

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055176.D
 Acq On : 22 Apr 2019 12:23
 Operator : JC/SP
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:46:59 PM

Quant Time: Apr 23 05:19:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	439217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	702160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	586530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	211134	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	62246	9.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.32%	
35) Dibromofluoromethane	7.59	113	48496	9.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.26%	
50) Toluene-d8	10.09	98	186244	10.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.42%	
62) 4-Bromofluorobenzene	12.40	95	58124	10.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	64526	11.410	ug/l	97
3) Chloromethane	2.06	50	75755	10.932	ug/l	98
4) Vinyl Chloride	2.19	62	59180	10.658	ug/l	99
5) Bromomethane	2.56	94	34059	10.577	ug/l	91
6) Chloroethane	2.70	64	32668	10.880	ug/l	98
7) Trichlorofluoromethane	3.02	101	82585	10.929	ug/l	97
8) Diethyl Ether	3.41	74	27828	10.318	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	48879	10.366	ug/l	98
10) Methyl Iodide	3.95	142	60545	9.557	ug/l	98
11) Tert butyl alcohol	4.79	59	18651	54.687	ug/l #	83
12) 1,1-Dichloroethene	3.74	96	47614	10.537	ug/l	95
13) Acrolein	3.61	56	25683	55.306	ug/l	100
14) Allyl chloride	4.33	41	91955	10.294	ug/l	99
15) Acrylonitrile	4.99	53	98447	51.721	ug/l	98
16) Acetone	3.82	43	84301	42.895	ug/l	96
17) Carbon Disulfide	4.06	76	131931	10.443	ug/l	100
18) Methyl Acetate	4.33	43	47591	8.774	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	127928	10.239	ug/l	99
20) Methylene Chloride	4.55	84	56259	9.958	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	48913	10.322	ug/l	91
22) Diisopropyl ether	5.95	45	181325	10.183	ug/l	97
23) Vinyl Acetate	5.90	43	622339	52.009	ug/l	98
24) 1,1-Dichloroethane	5.85	63	98309	10.264	ug/l	98
25) 2-Butanone	6.84	43	122416	48.248	ug/l	98
26) 2,2-Dichloropropane	6.82	77	64212	9.907	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	55896	10.233	ug/l	98
28) Bromochloromethane	7.20	49	50678	10.380	ug/l	99
29) Tetrahydrofuran	7.21	42	74909	46.973	ug/l	96
30) Chloroform	7.37	83	92056	10.104	ug/l	100
31) Cyclohexane	7.65	56	102725	9.341	ug/l #	94
32) 1,1,1-Trichloroethane	7.57	97	75272	10.284	ug/l	100
36) 1,1-Dichloropropene	7.79	75	69448	10.656	ug/l	99
37) Ethyl Acetate	6.93	43	50646	9.301	ug/l #	89
38) Carbon Tetrachloride	7.77	117	63438	9.742	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	80706	10.380	ug/l	98
40) Benzene	8.04	78	206882	10.283	ug/l	98
41) Methacrylonitrile	7.18	41	23897	8.902	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	70973	10.112	ug/l	99
43) Isopropyl Acetate	8.17	43	91502	10.744	ug/l #	90
44) Trichloroethene	8.84	130	52544	10.334	ug/l	96
45) 1,2-Dichloropropane	9.12	63	58931	10.377	ug/l	100
46) Dibromomethane	9.21	93	33305	10.245	ug/l	100
47) Bromodichloromethane	9.40	83	64233	9.870	ug/l	98
48) Methyl methacrylate	9.20	41	41042	9.934	ug/l	96
49) 1,4-Dioxane	9.20	88	10530	220.708	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	248483	50.701	ug/l	100
52) Toluene	10.16	92	125904	10.675	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	59007	9.880	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	72983	9.847	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	43871	10.090	ug/l	99
56) Ethyl methacrylate	10.43	69	54154	9.998	ug/l	99
57) 1,3-Dichloropropane	10.71	76	75864	10.028	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	84368	48.311	ug/l	99
59) 2-Hexanone	10.75	43	153170	49.479	ug/l	100
60) Dibromochloromethane	10.90	129	43776	9.775	ug/l	96
61) 1,2-Dibromoethane	11.00	107	40948	10.017	ug/l	100
64) Tetrachloroethene	10.63	164	51359	10.734	ug/l	99
65) Chlorobenzene	11.43	112	125910	10.517	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	45060	10.155	ug/l	99
67) Ethyl Benzene	11.51	91	227025	10.646	ug/l	96
68) m/p-Xylenes	11.62	106	162021	21.183	ug/l	99
69) o-Xylene	11.95	106	81079	10.682	ug/l	98
70) Styrene	11.96	104	124058	10.544	ug/l	99
71) Bromoform	12.12	173	25965	9.806	ug/l #	97
73) Isopropylbenzene	12.25	105	215441	10.629	ug/l	100
74) N-amyl acetate	12.07	43	53971	9.915	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	55152	10.282	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	47978m	12.125	ug/l	
77) Bromobenzene	12.53	156	49676	10.658	ug/l	99
78) n-propylbenzene	12.59	91	230036	10.864	ug/l	99
79) 2-Chlorotoluene	12.67	91	144081	10.776	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	173056	10.949	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	10624	9.402	ug/l	90
82) 4-Chlorotoluene	12.77	91	130219	10.586	ug/l	99
83) tert-Butylbenzene	12.99	119	149183	10.551	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	161642	10.837	ug/l	99
85) sec-Butylbenzene	13.17	105	190494	10.653	ug/l	99
86) p-Isopropyltoluene	13.29	119	159621	10.835	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	76052	10.629	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	70686	10.147	ug/l	98
89) n-Butylbenzene	13.61	91	112902	10.340	ug/l	97
90) Hexachloroethane	13.87	117	27020	10.342	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	77146	10.497	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6108	9.527	ug/l	99

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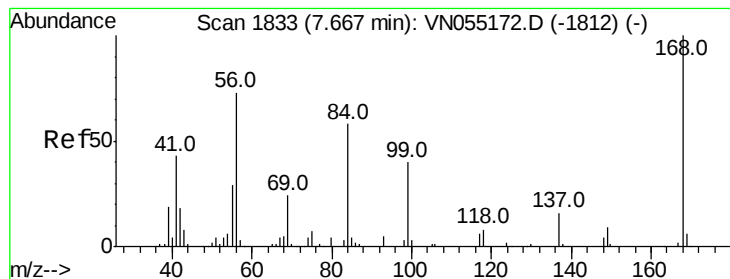
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	23356	9.002	ug/l	99
94) Hexachlorobutadiene	15.01	225	26801	10.189	ug/l	98
95) Naphthalene	15.13	128	47183	8.609	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	24041	8.907	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 439217

Ion Ratio Lower Upper

168 100

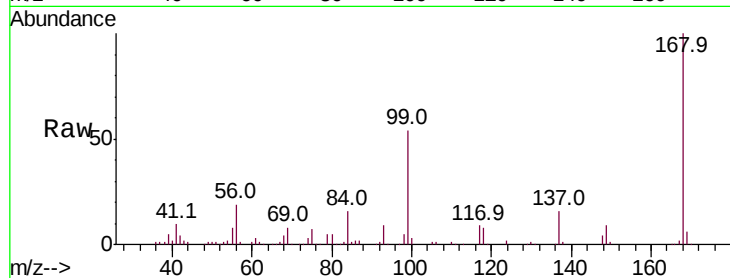
99 52.3 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

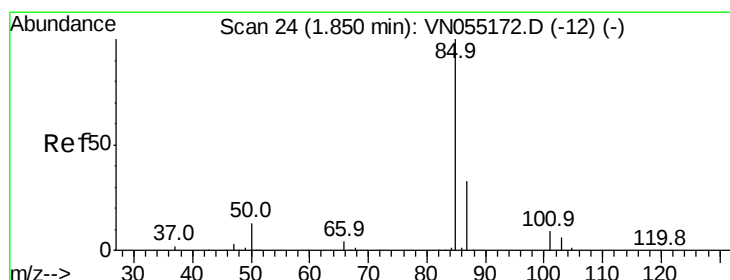
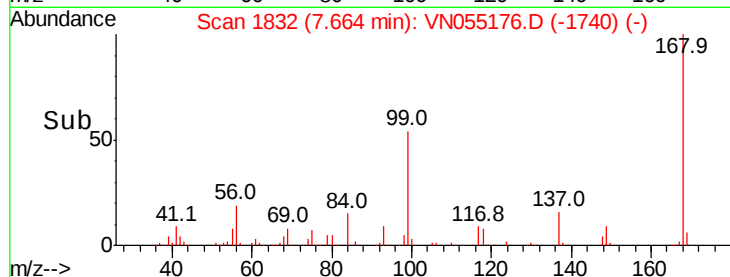
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 11.410 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055176.D

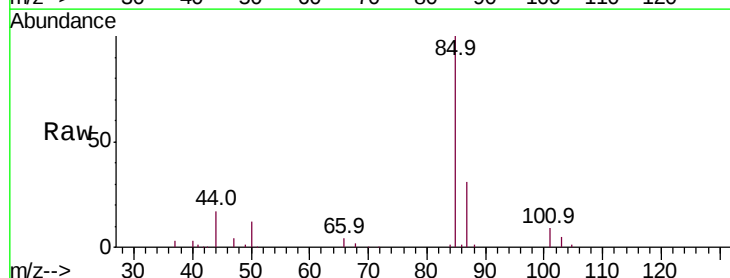
Acq: 22 Apr 2019 12:23

Tgt Ion: 85 Resp: 64526

Ion Ratio Lower Upper

85 100

87 30.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

50000

40000

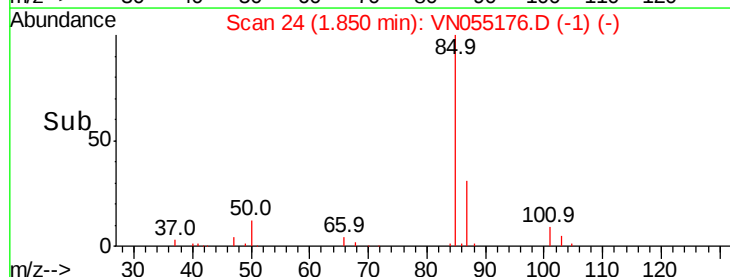
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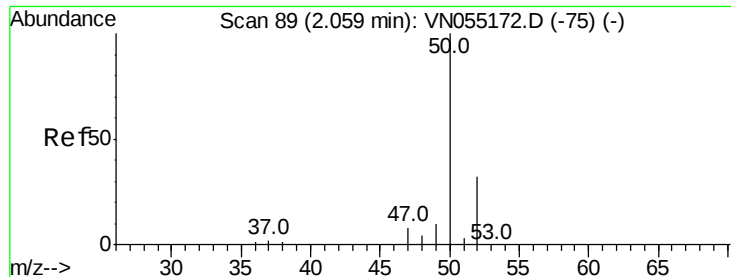
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10000

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Time-->





#3

Chloromethane

Concen: 10.932 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 75755

Ion Ratio Lower Upper

50 100

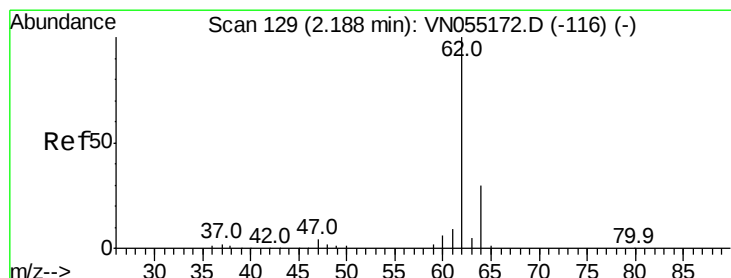
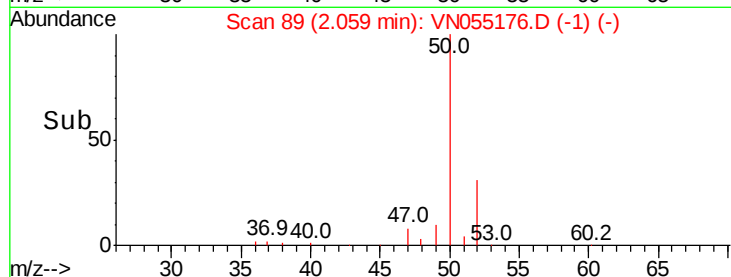
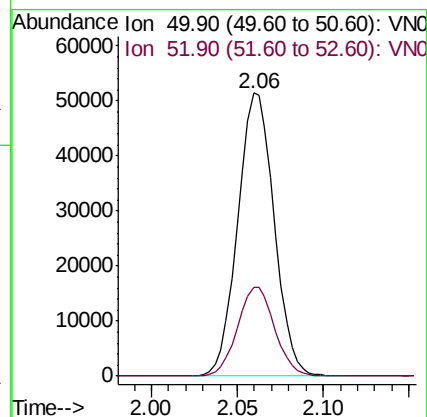
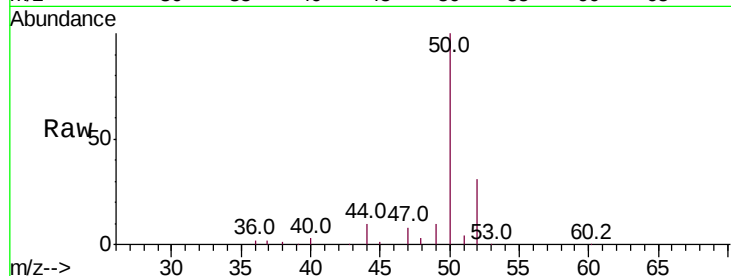
52 31.3 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 10.658 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055176.D

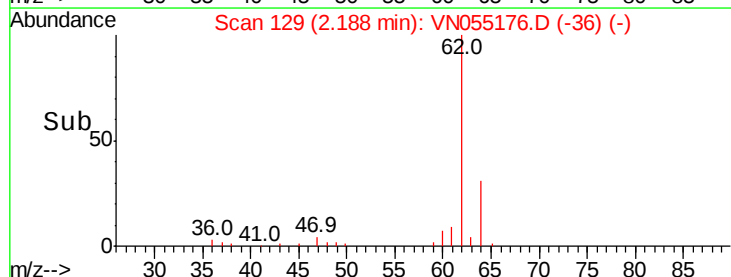
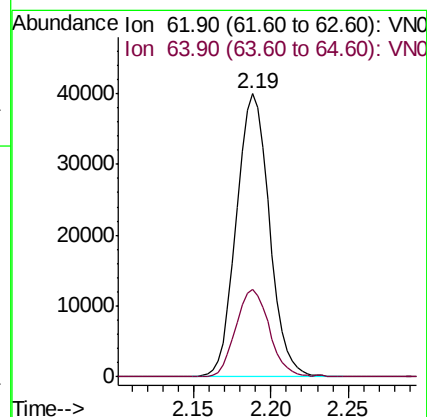
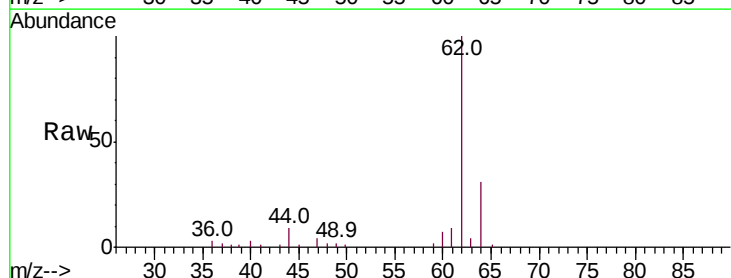
Acq: 22 Apr 2019 12:23

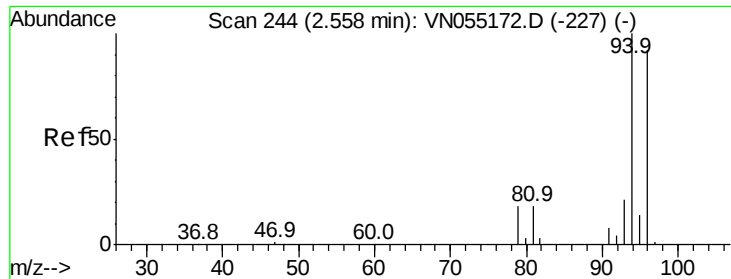
Tgt Ion: 62 Resp: 59180

Ion Ratio Lower Upper

62 100

64 30.9 24.2 36.4





#5

Bromomethane

Concen: 10.577 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 34059

Ion Ratio Lower Upper

94 100

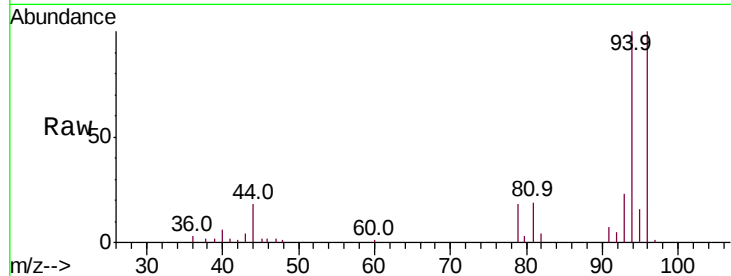
96 100.3 73.4 110.2

Manual Integrations

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4/23/2019 1:46:59 PM



Abundance Ion 93.90 (93.60 to 94.60): VN055176.D (-151) (-)

Ion 95.90 (95.60 to 96.60): VN055176.D (-151) (-)

2.56

20000

15000

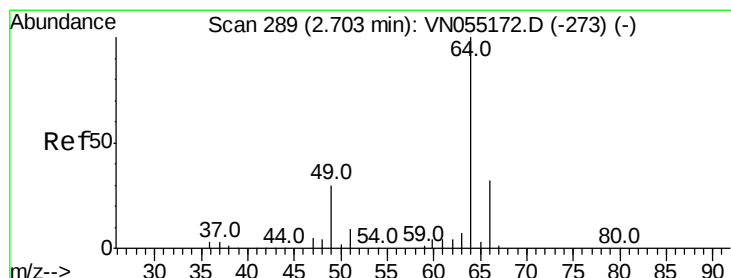
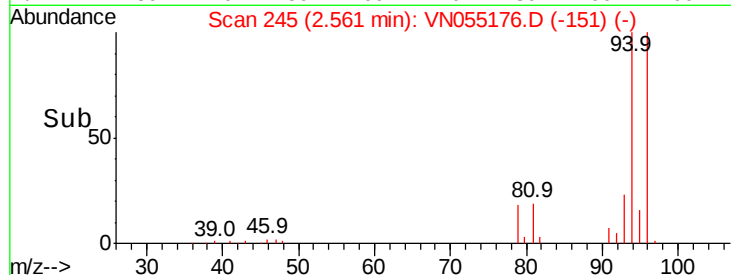
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5000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 10.880 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055176.D

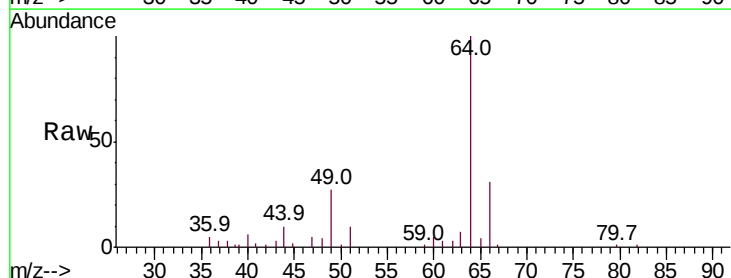
Acq: 22 Apr 2019 12:23

Tgt Ion: 64 Resp: 32668

Ion Ratio Lower Upper

64 100

66 31.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN055176.D (-196) (-)

Ion 65.90 (65.60 to 66.60): VN055176.D (-196) (-)

2.70

15000

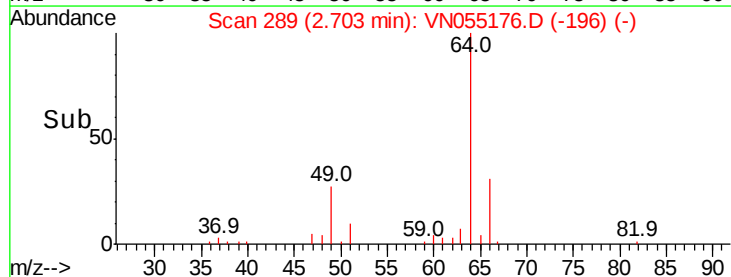
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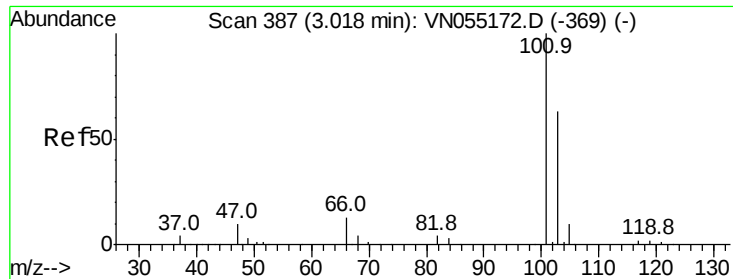
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Time-->

2.65 2.70 2.75 2.80





#7

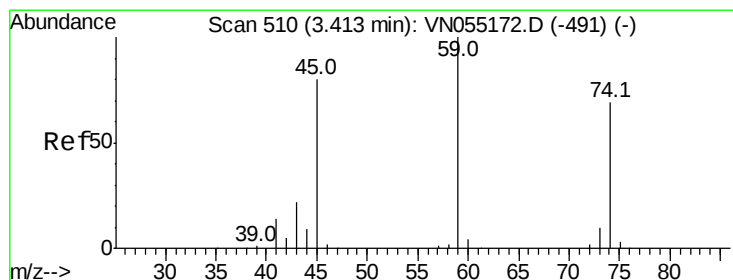
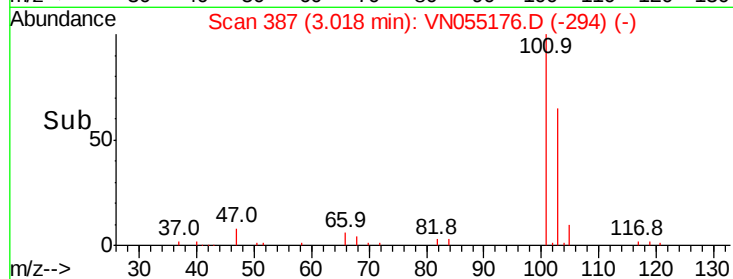
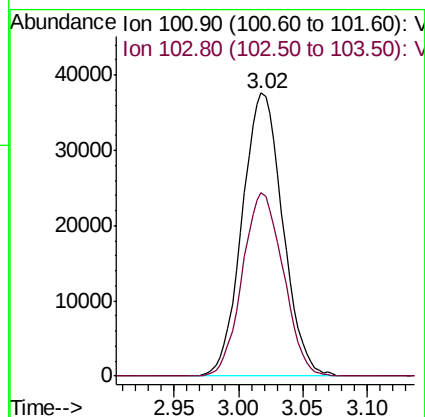
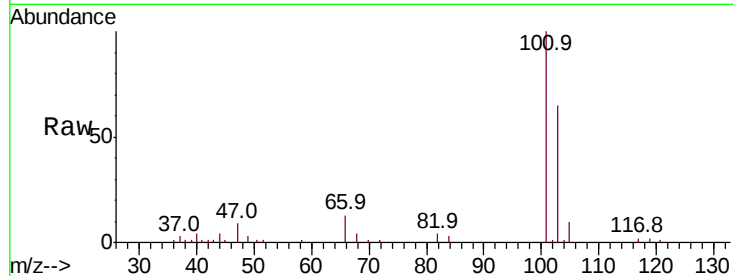
Trichlorofluoromethane
 Concen: 10.929 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	50.1	75.1

Manual Integrations
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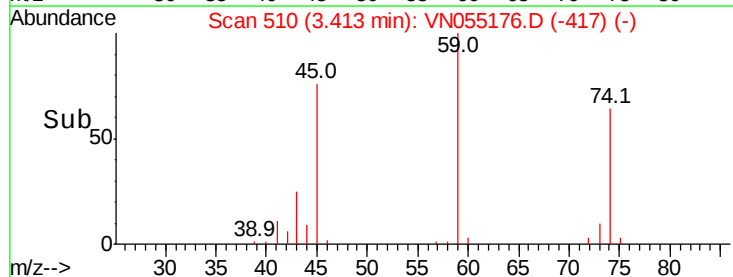
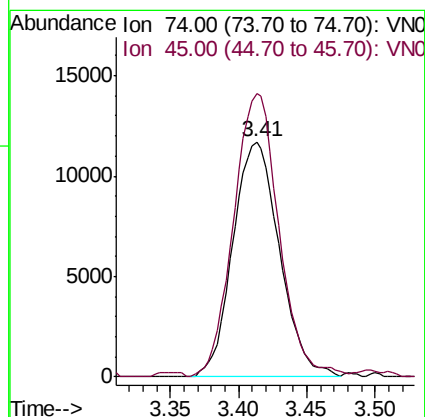
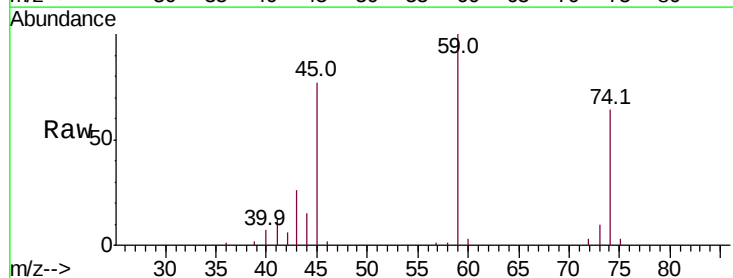
MMDadoda
 4/23/2019 1:46:59 PM

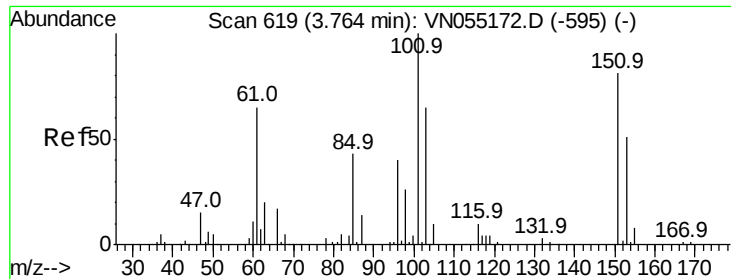


#8

Diethyl Ether
 Concen: 10.318 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.6	56.9	170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.366 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

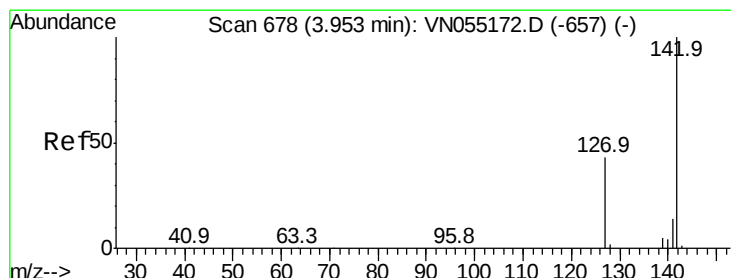
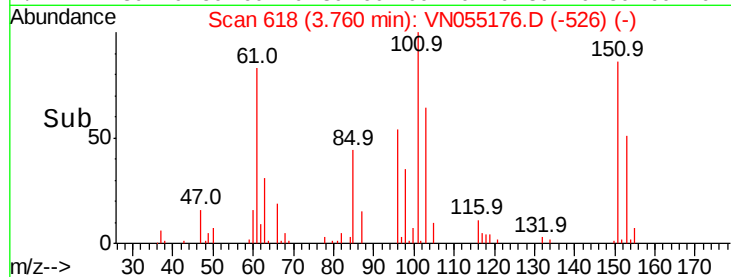
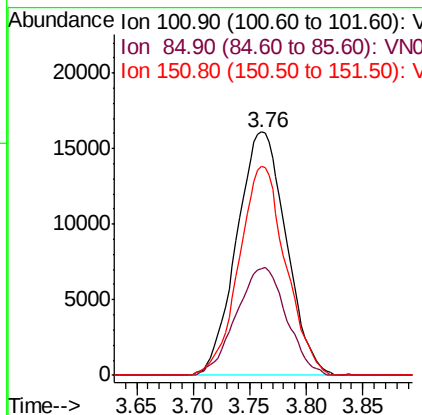
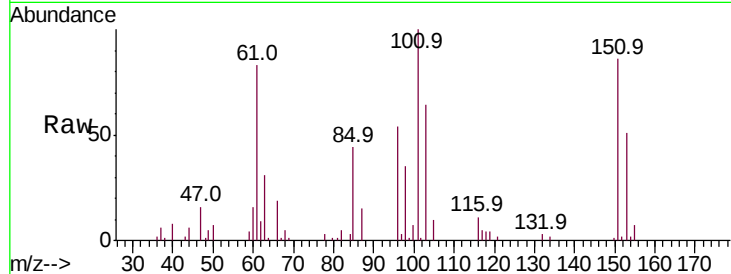
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	48879
Ion Ratio	Lower	Upper	
101	100		
85	45.0	34.9	52.3
151	81.3	63.8	95.8

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#10

Methyl Iodide

Concen: 9.557 ug/l

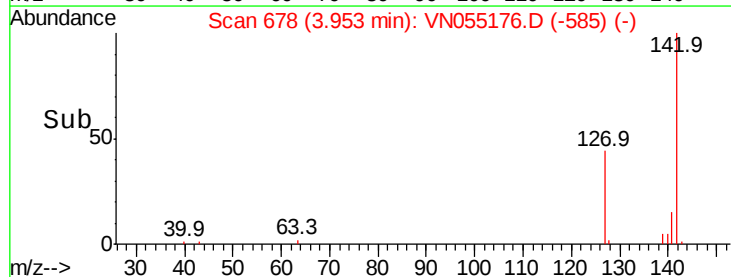
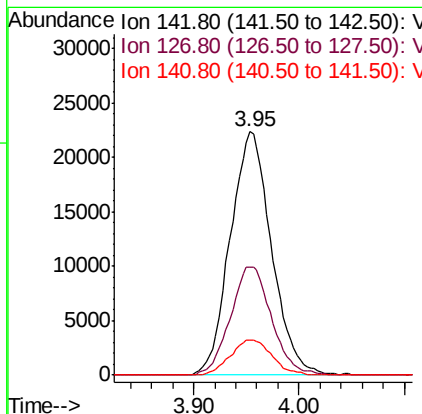
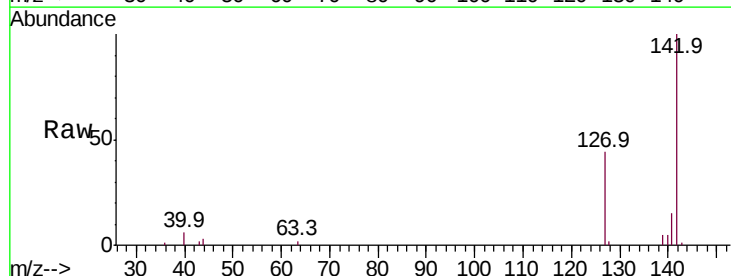
RT: 3.95 min Scan# 678

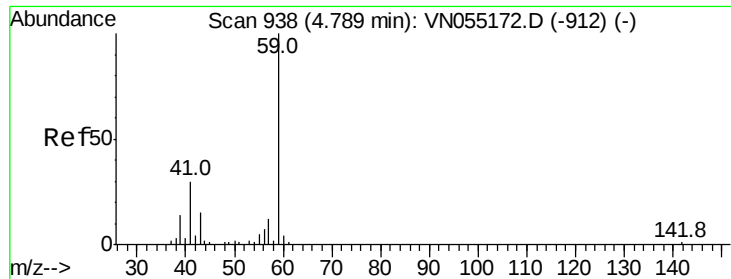
Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Tgt Ion:	142	Resp:	60545
Ion Ratio	Lower	Upper	
142	100		
127	44.5	34.1	51.1
141	14.6	11.4	17.2





#11

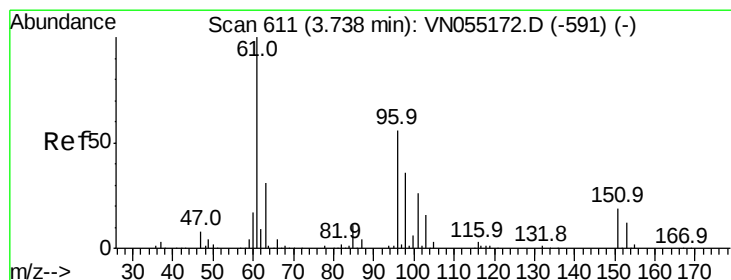
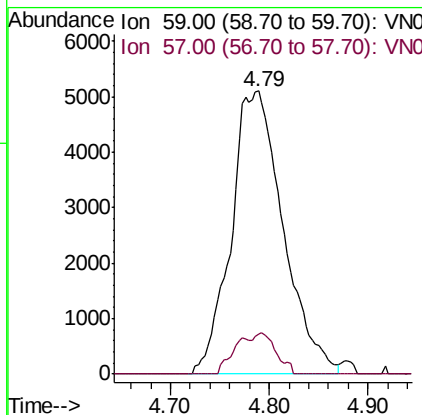
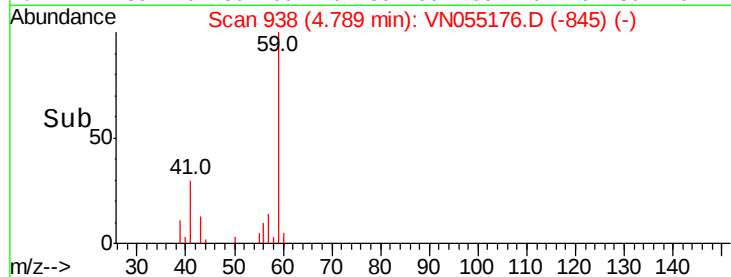
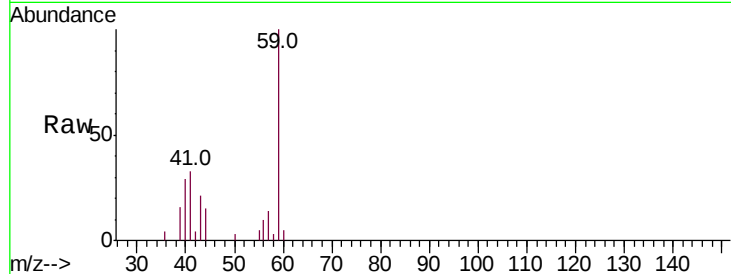
Tert butyl alcohol
Concen: 54.687 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	59	57	Ratio	100	4.6	Resp:	18651	Lower	Upper
Ion	59	57	Ratio	100	4.6	Resp:	18651	Lower	Upper
								8.8	13.2#

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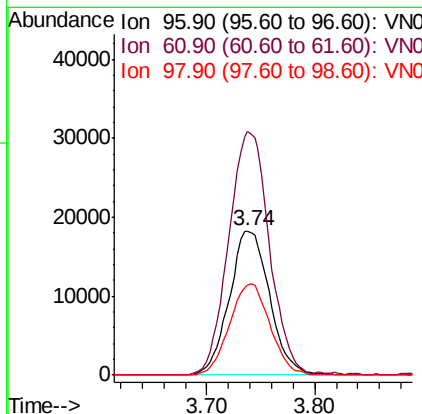
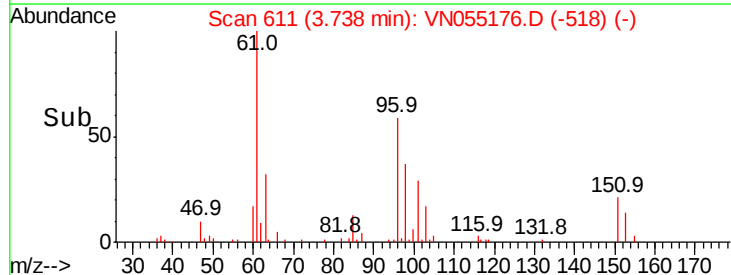
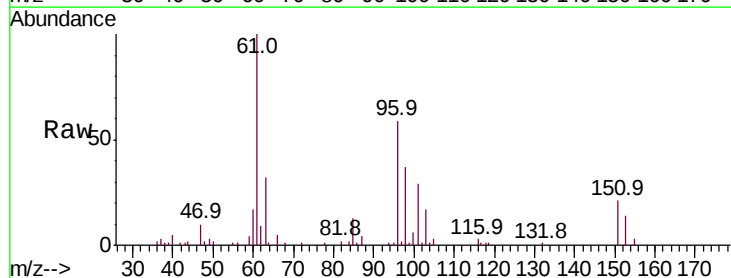
MMDadoda
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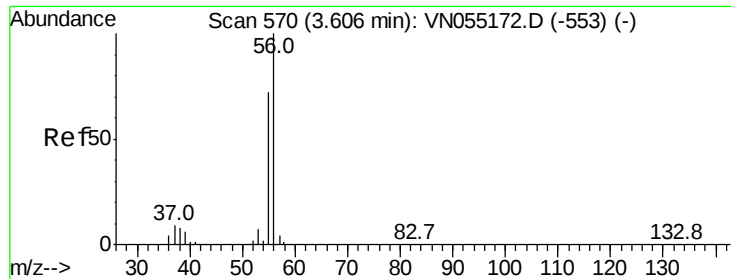


#12

1,1-Dichloroethene
Concen: 10.537 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion	96	61	98	Ratio	100	169.3	62.4	Resp:	47614	Lower	Upper
Ion	96	61	98	Ratio	100	169.3	62.4	Resp:	47614	Lower	Upper
										142.1	213.1
										51.2	76.8





#13

Acrolein

Concen: 55.306 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 25683

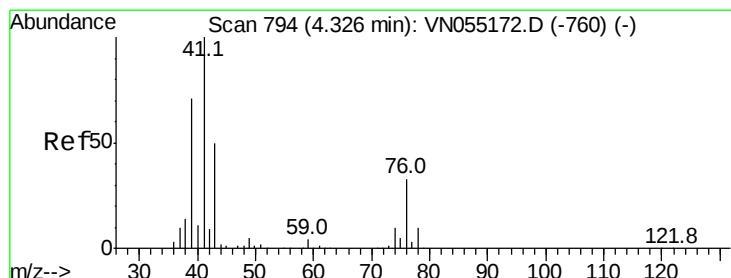
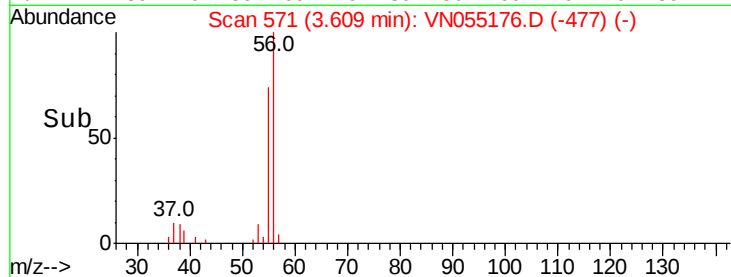
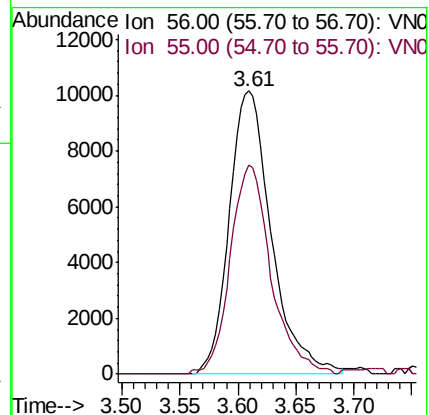
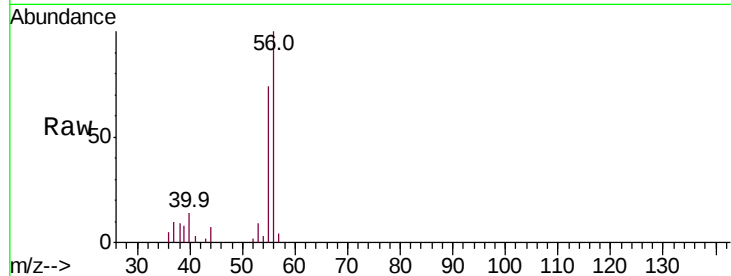
Ion Ratio Lower Upper

56 100

55 71.4 57.4 86.0

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#14

Allyl chloride

Concen: 10.294 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

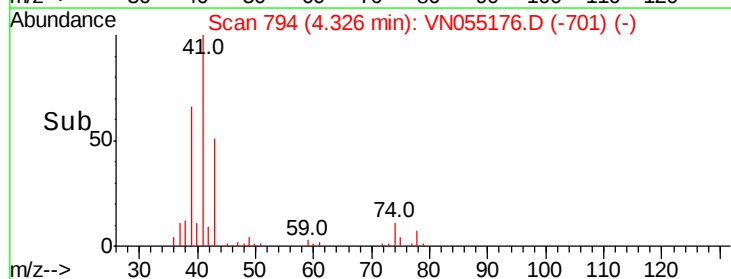
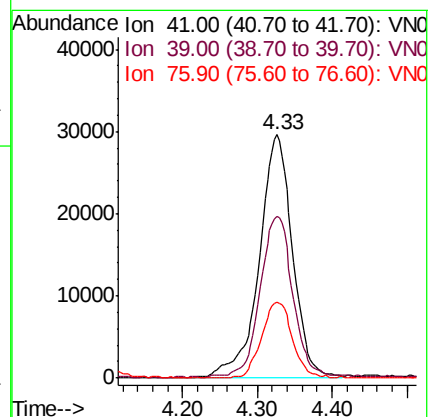
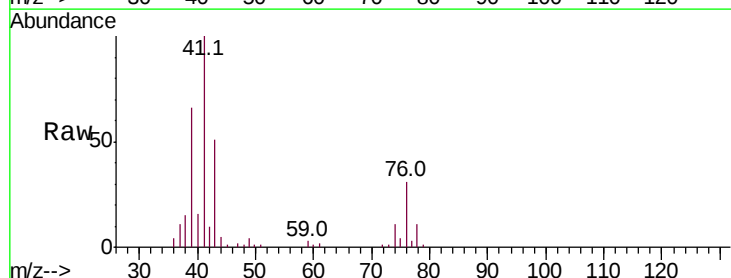
Tgt Ion: 41 Resp: 91955

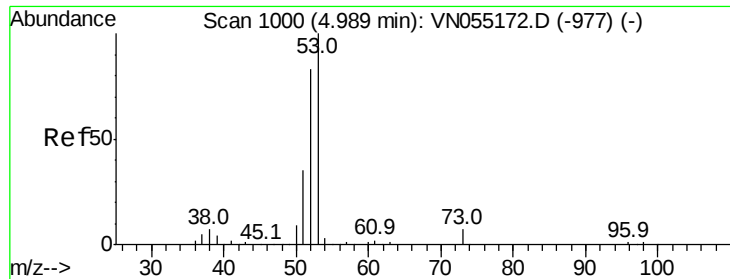
Ion Ratio Lower Upper

41 100

39 66.3 52.9 79.3

76 28.8 23.6 35.4





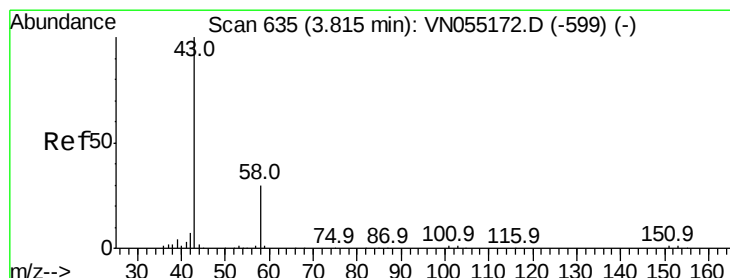
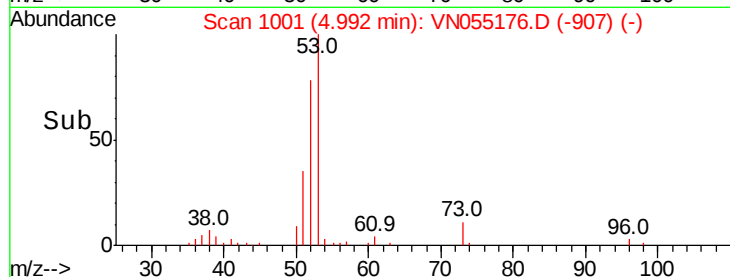
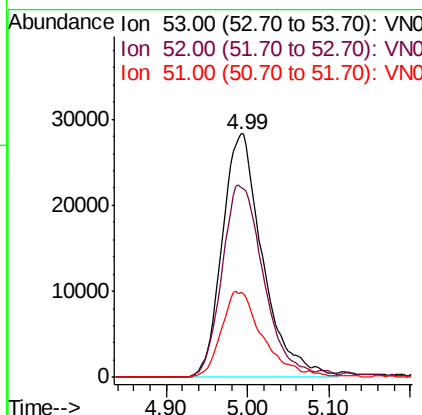
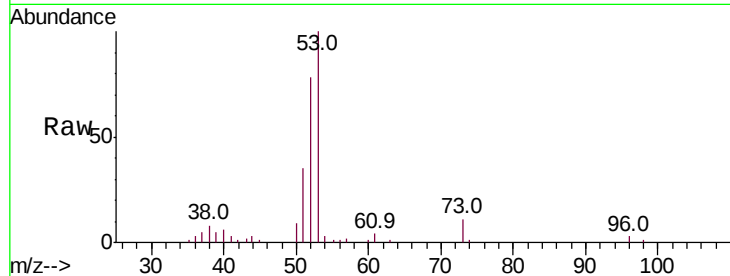
#15
 Acrylonitrile
 Concen: 51.721 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.8	98.8
51	35.3	28.9	43.3

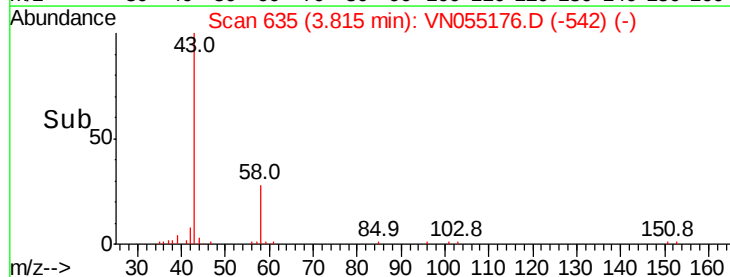
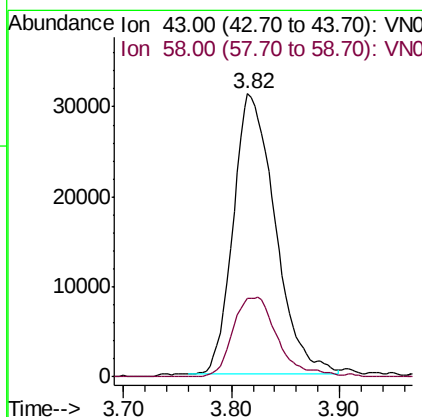
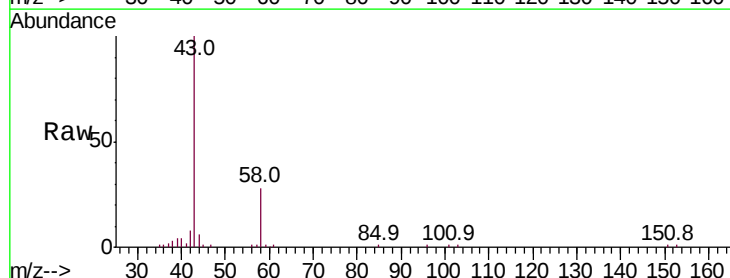
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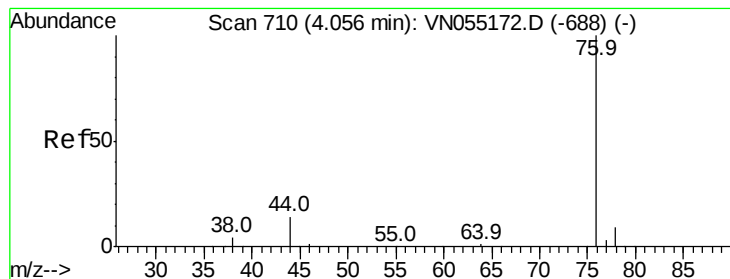
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#16
 Acetone
 Concen: 42.895 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.9	23.8	35.8





#17

Carbon Disulfide

Concen: 10.443 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Tot Ion: 76 Resp: 131931

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

Instrument :

MSVOA_N

ClientSampleId :

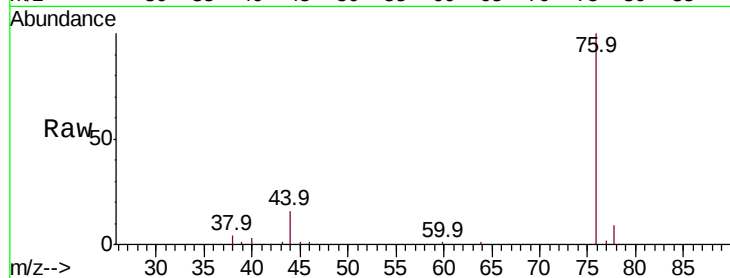
VSTDIC010

Manual Integrations

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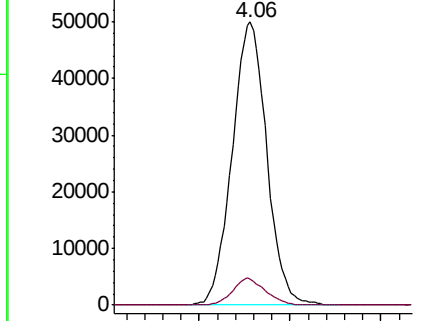
MMDadoda

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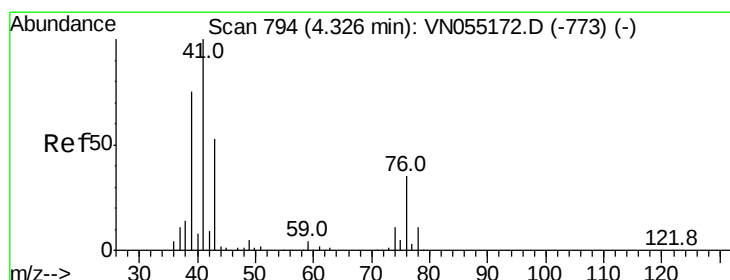
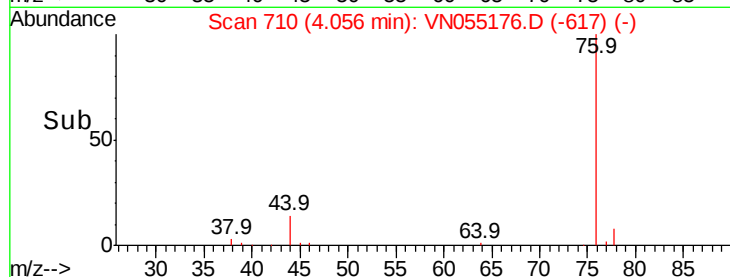


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#18

Methyl Acetate

Concen: 8.774 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055176.D

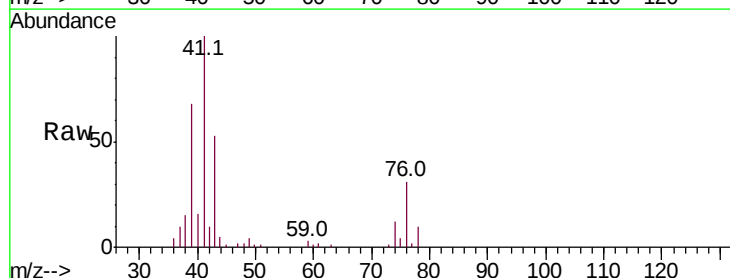
Acq: 22 Apr 2019 12:23

Tgt Ion: 43 Resp: 47591

Ion Ratio Lower Upper

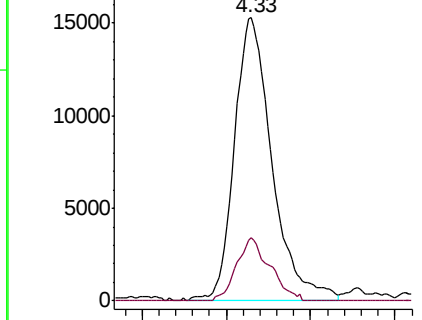
43 100

74 19.8 16.7 25.1

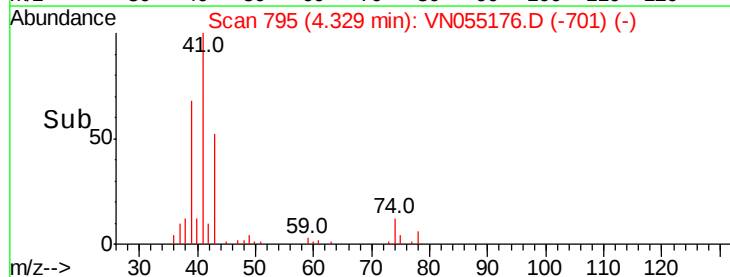


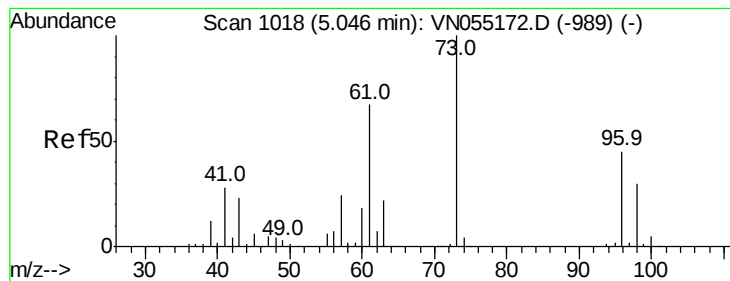
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



Time-->





#19

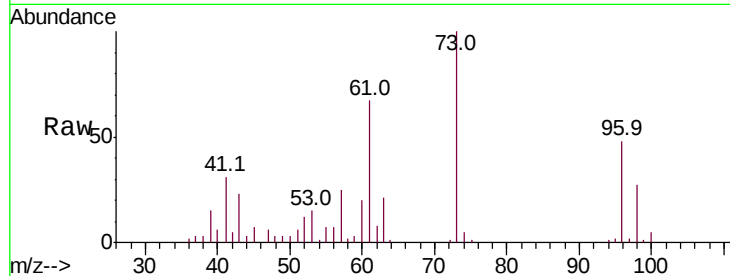
Methyl tert-butyl Ether
 Concen: 10.239 ug/l
 RT: 5.04 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

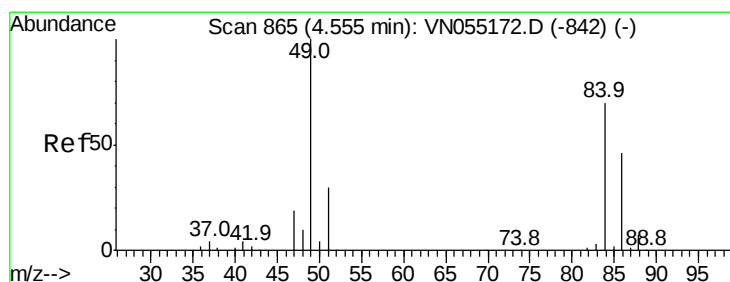
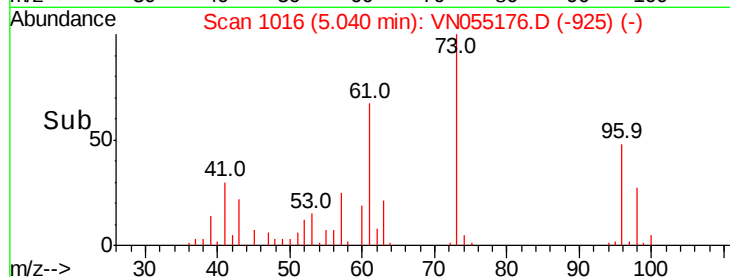
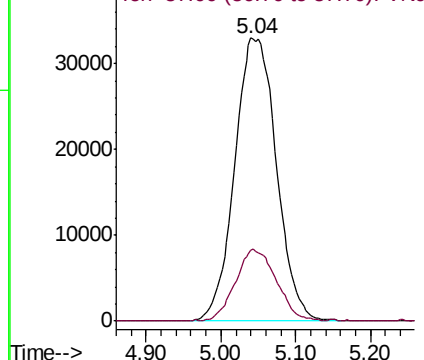
Tot Ion	Ratio	Lower	Upper
73	100		
57	25.0	19.5	29.3

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Abundance Ion 73.00 (72.70 to 73.70): VN055176.D (-989) (-)

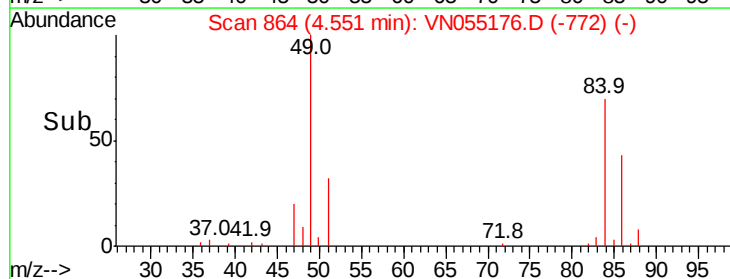
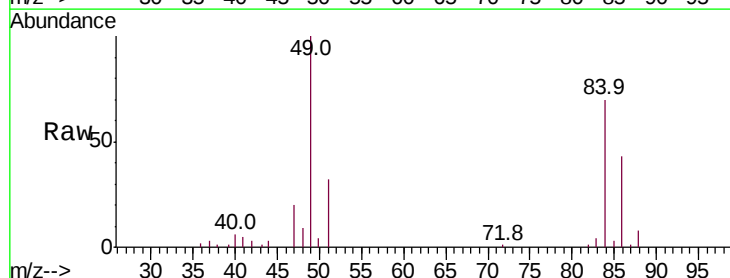
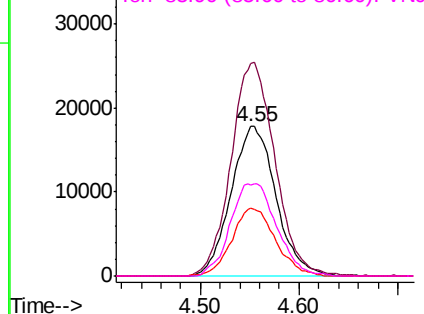


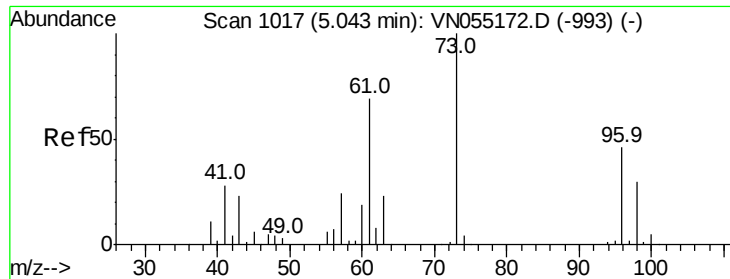
#20

Methylene Chloride
 Concen: 9.958 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.0	113.8	170.6
51	45.0	34.0	51.0
86	60.9	52.3	78.5

Abundance Ion 83.90 (83.60 to 84.60): VN055176.D (-772) (-)





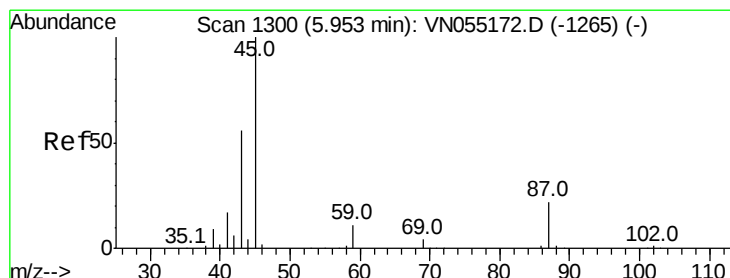
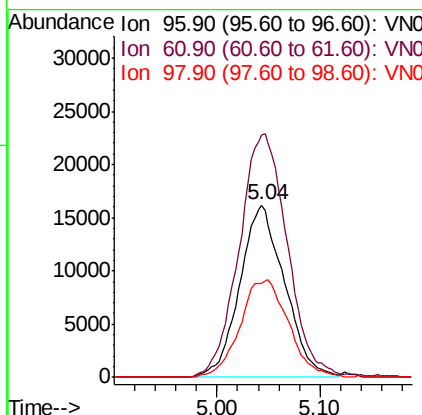
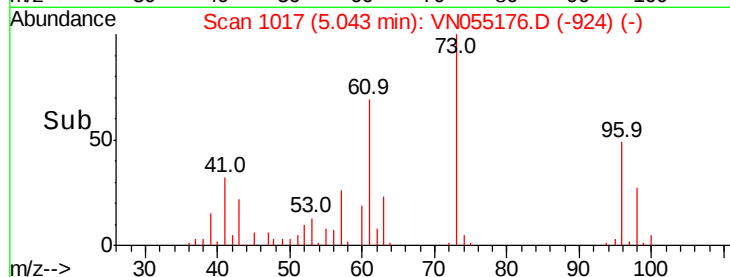
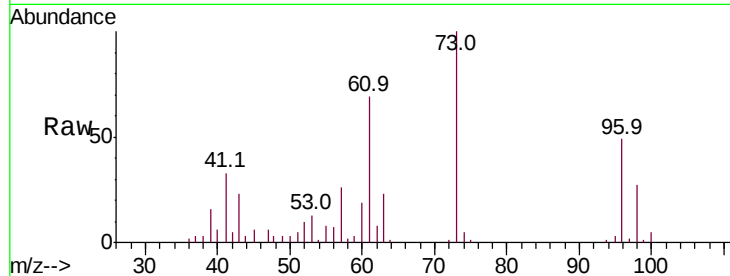
#21
trans-1,2-Dichloroethene
Concen: 10.322 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	119.3	178.9
98	54.4	53.0	79.4

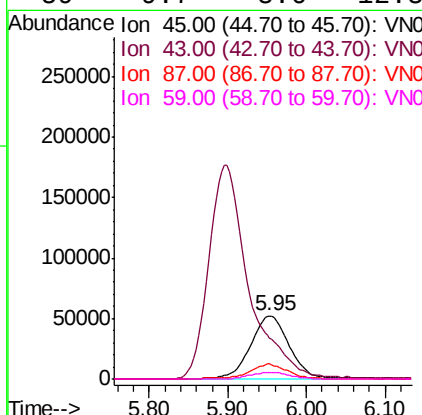
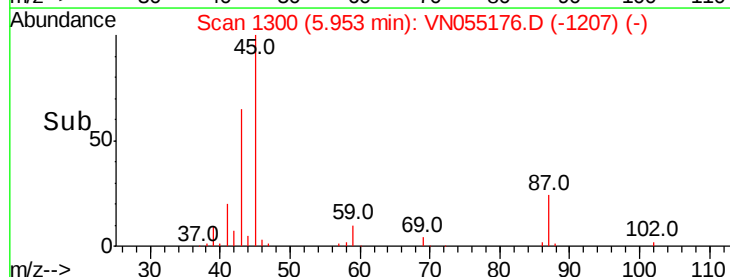
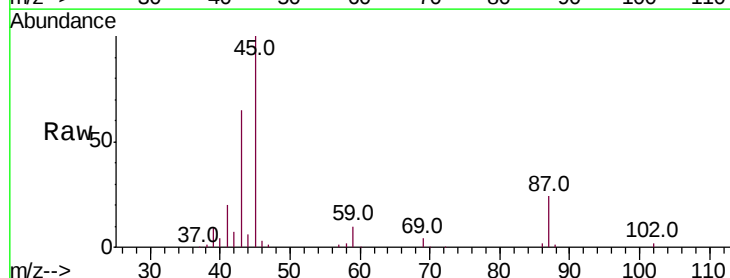
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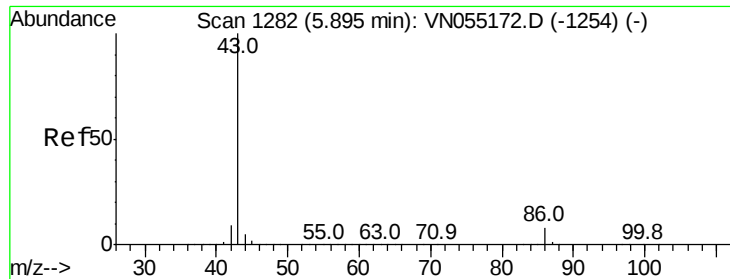
MMDadoda
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#22
Diisopropyl ether
Concen: 10.183 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	47.4	71.0
87	23.5	18.4	27.6
59	9.7	8.6	12.8





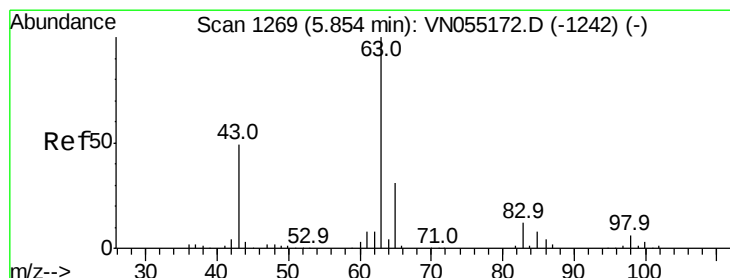
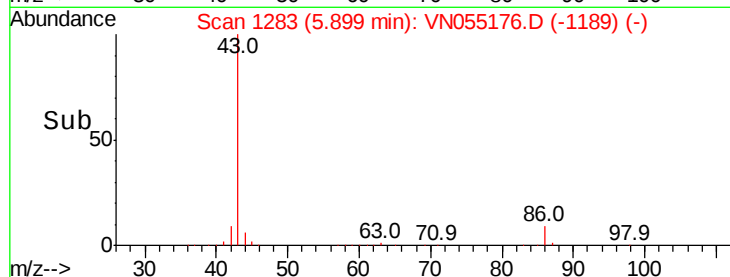
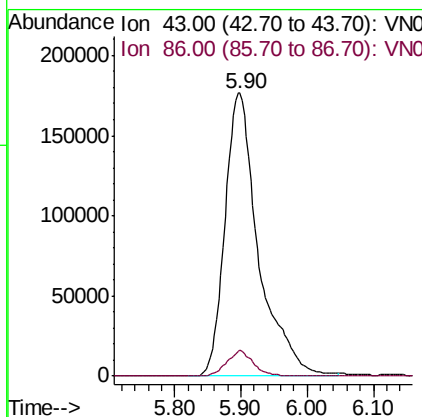
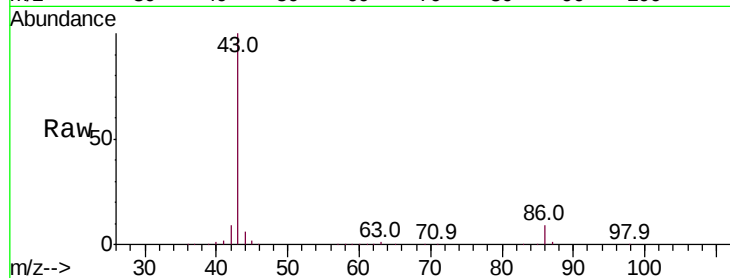
#23
 Vinyl Acetate
 Concen: 52.009 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.2	6.8	10.2

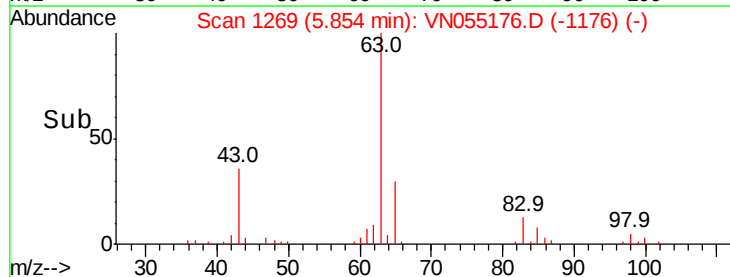
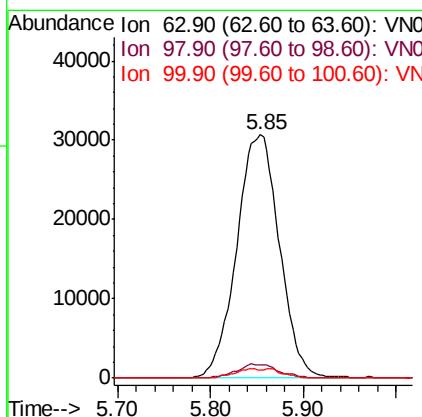
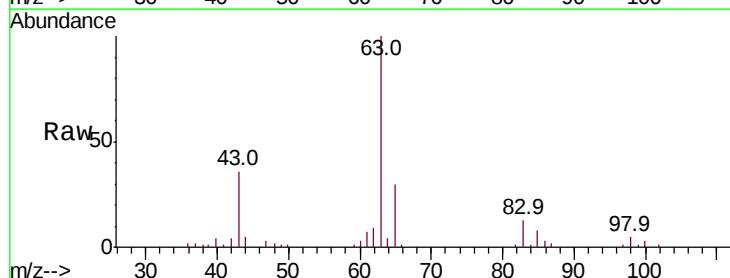
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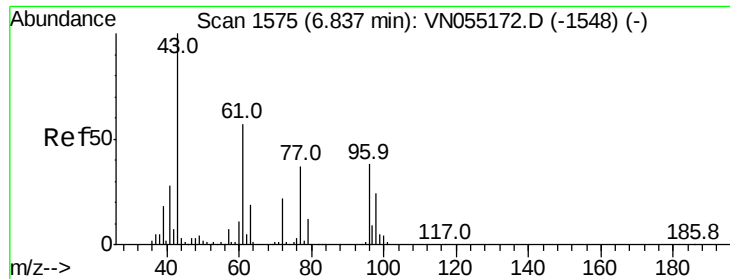
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 10.264 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.1	9.3
100	3.4	1.8	5.3





#25

2-Butanone

Concen: 48.248 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 122416

Ion Ratio Lower Upper

43 100

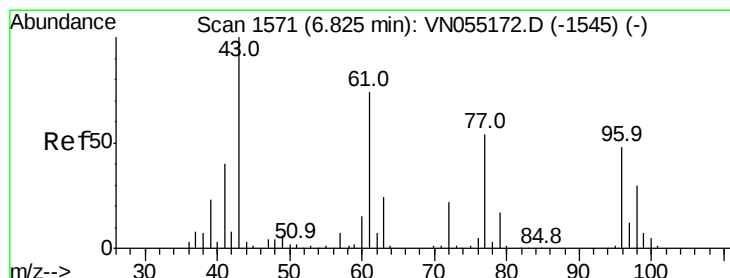
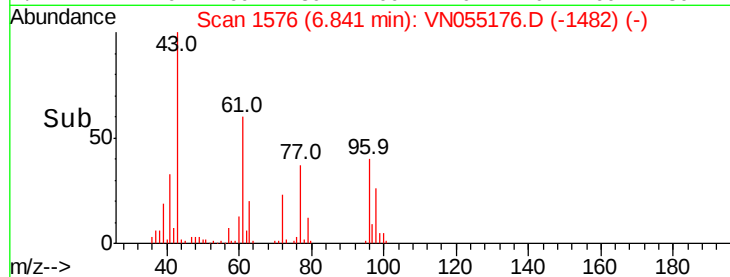
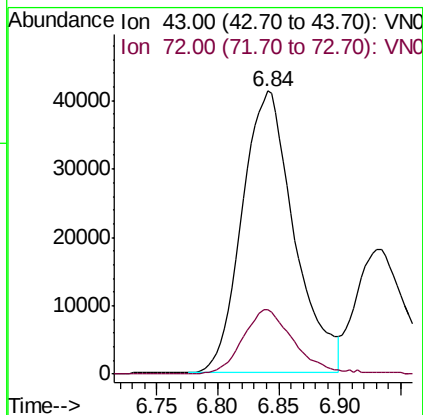
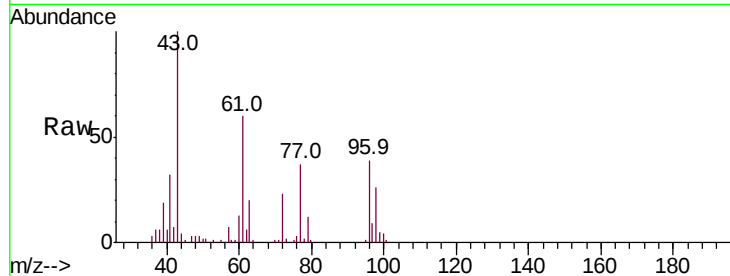
72 23.1 17.8 26.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 9.907 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055176.D

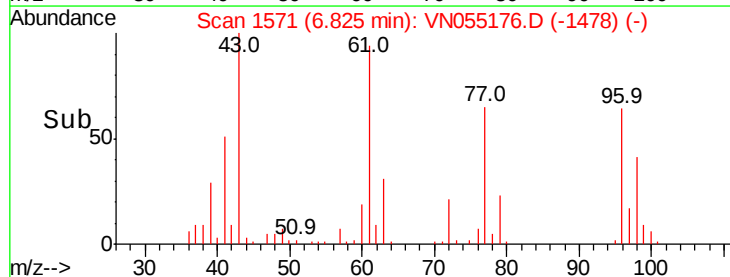
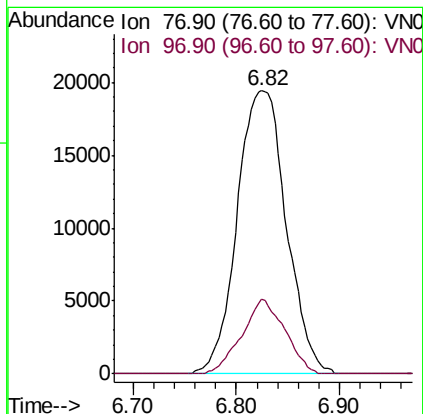
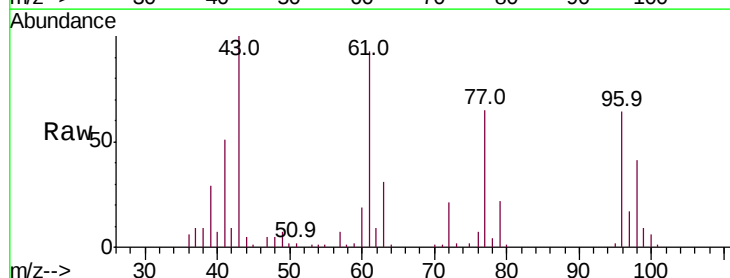
Acq: 22 Apr 2019 12:23

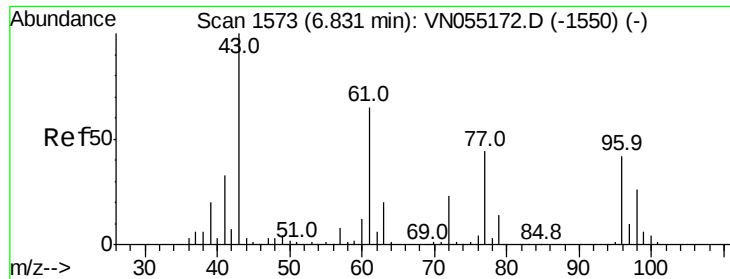
Tgt Ion: 77 Resp: 64212

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.8





#27

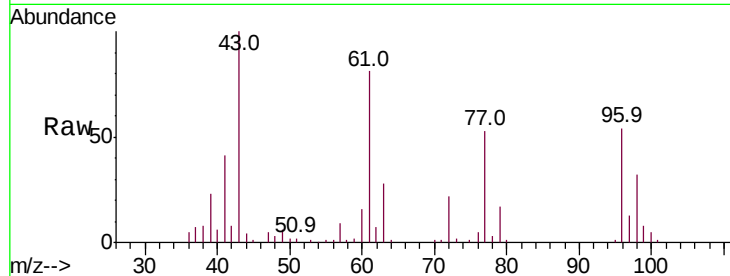
cis-1,2-Dichloroethene
Concen: 10.233 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.3	0.0	310.8
98	64.7	0.0	127.4

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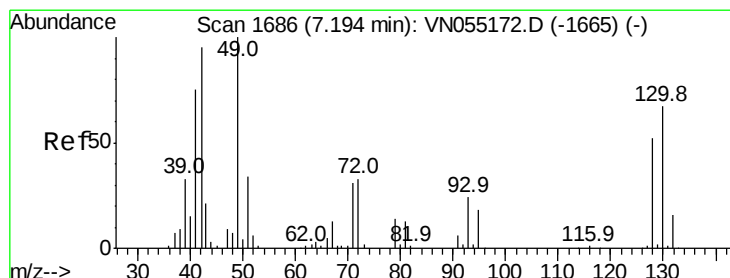
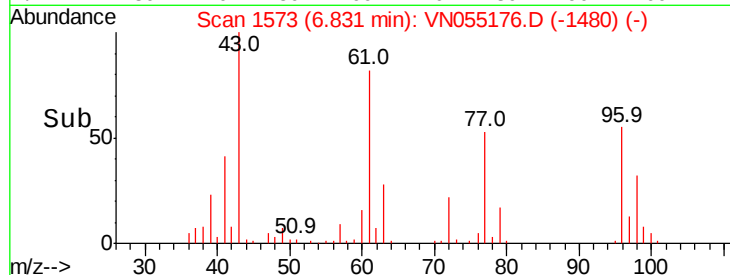
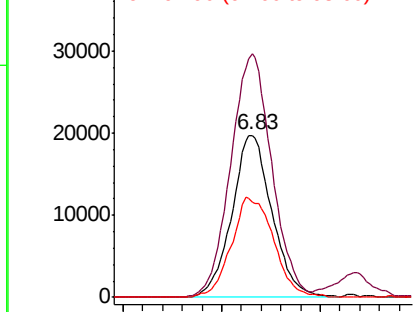


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

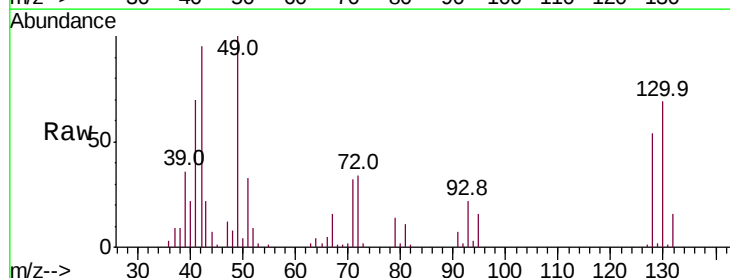
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane
Concen: 10.380 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.8
130	67.7	53.4	80.2

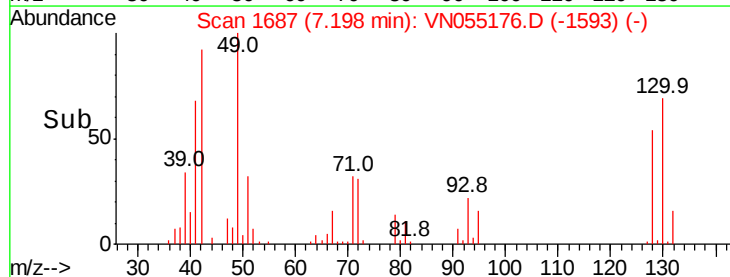
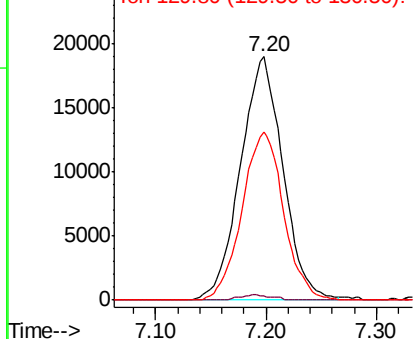


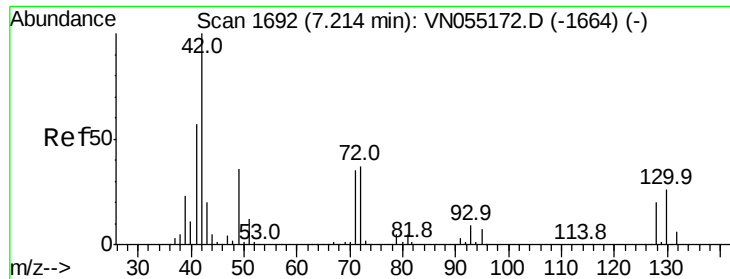
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





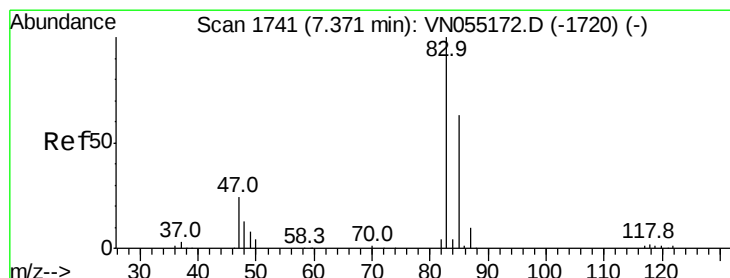
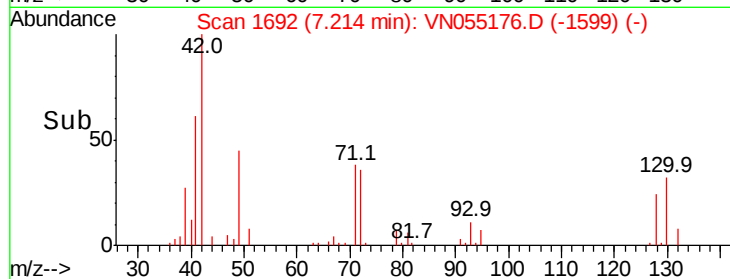
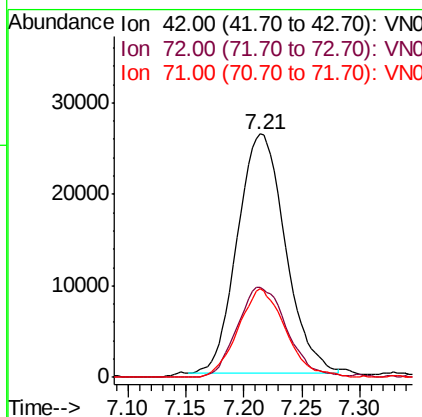
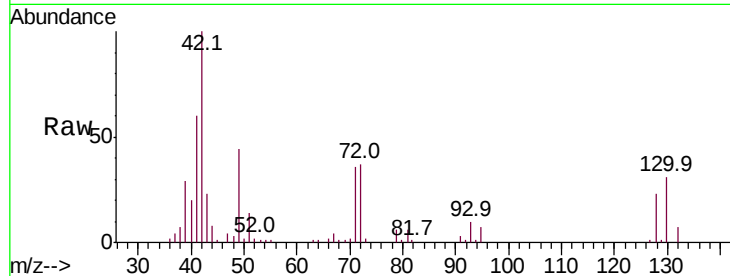
#29
Tetrahydrofuran
Concen: 46.973 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	29.4	44.2
71	36.7	27.8	41.8

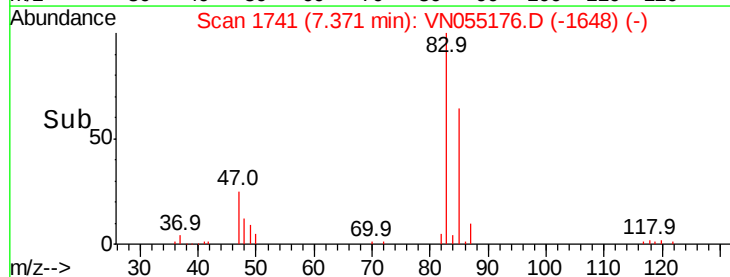
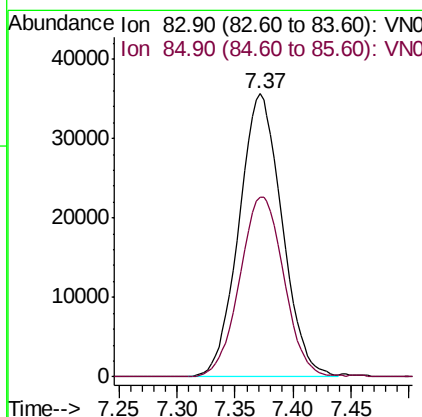
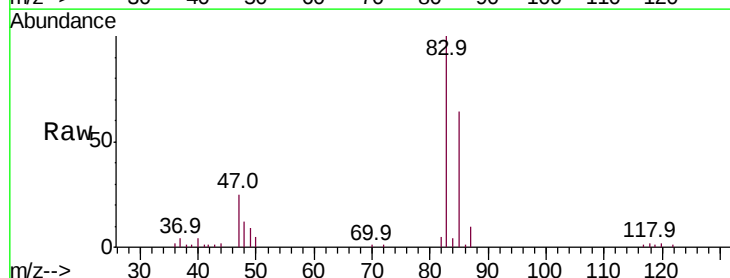
Manual Integrations
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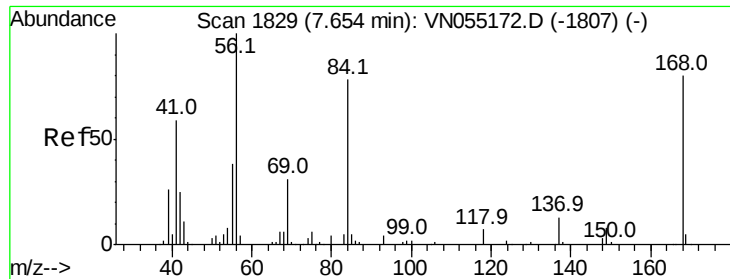
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4/23/2019 1:46:59 PM



#30
Chloroform
Concen: 10.104 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.6	76.0





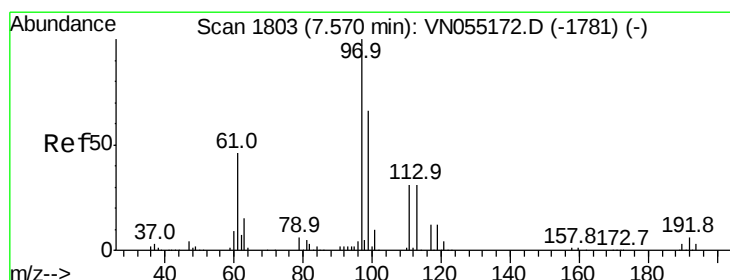
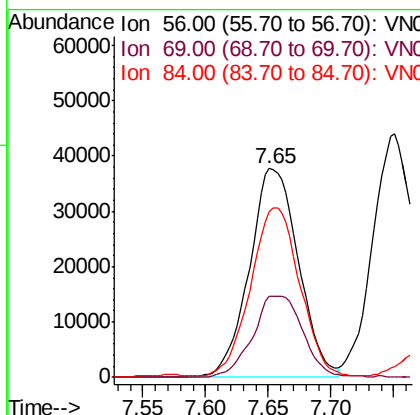
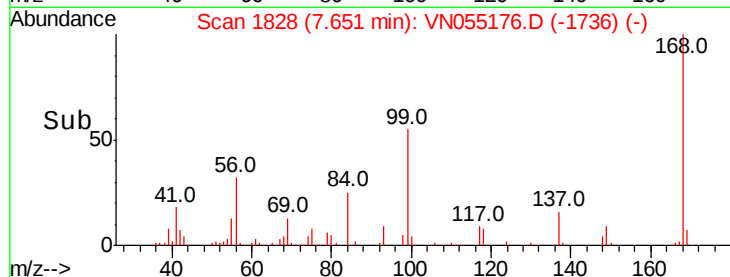
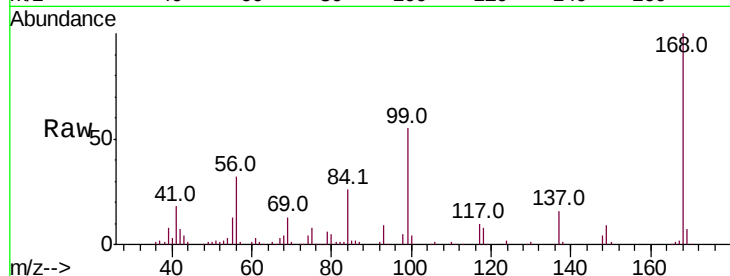
#31
Cyclohexane
Concen: 9.341 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	24.6	37.0#
84	78.7	61.4	92.2

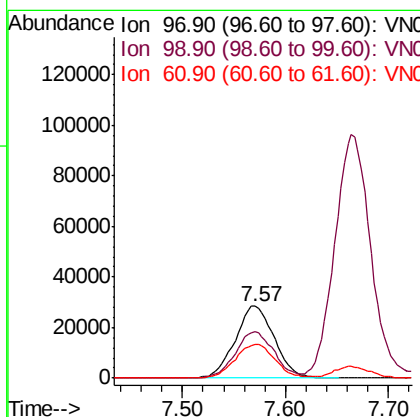
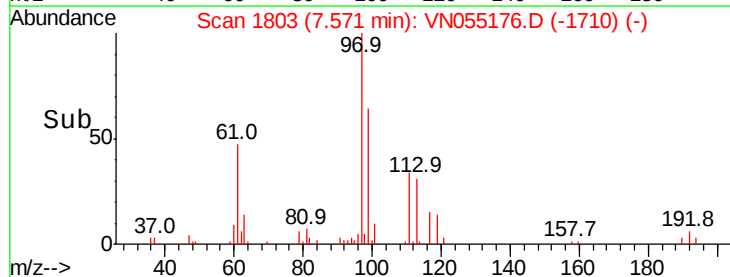
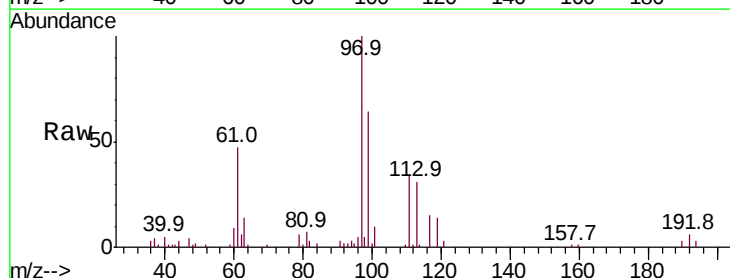
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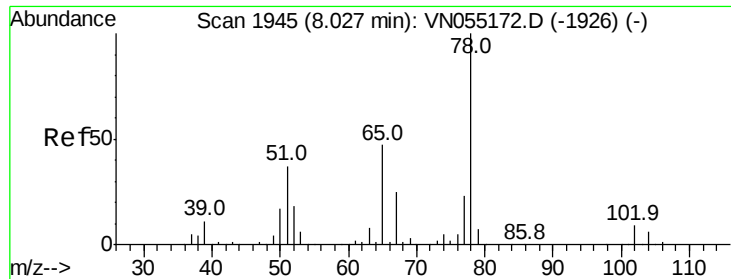
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4/23/2019 1:46:59 PM



#32
1,1,1-Trichloroethane
Concen: 10.284 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	48.1	38.3	57.5





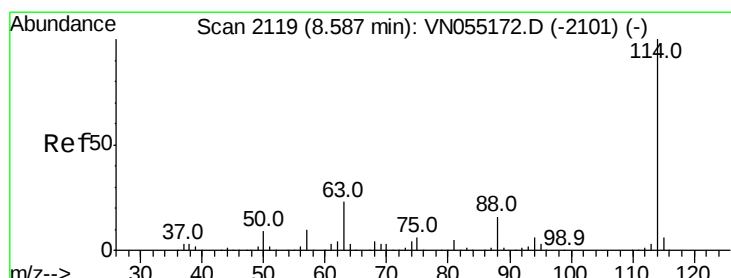
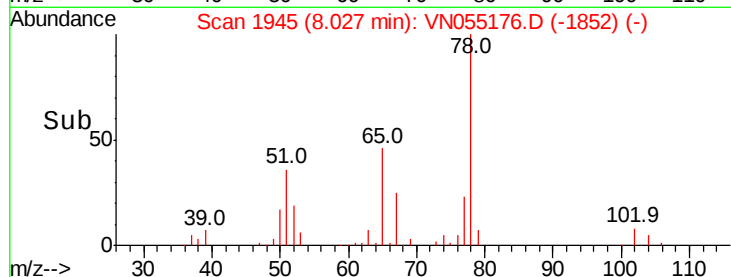
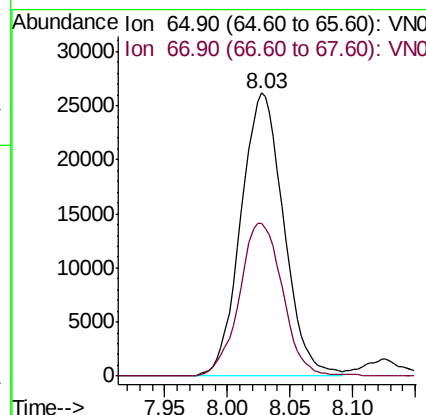
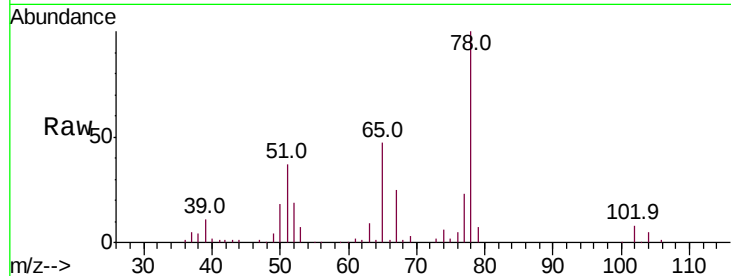
#33
 1,2-Dichloroethane-d4
 Concen: 9.655 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	108.6

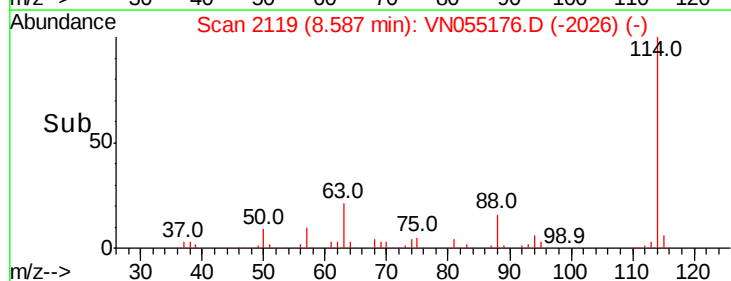
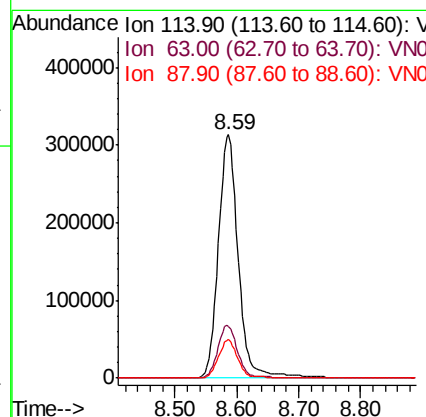
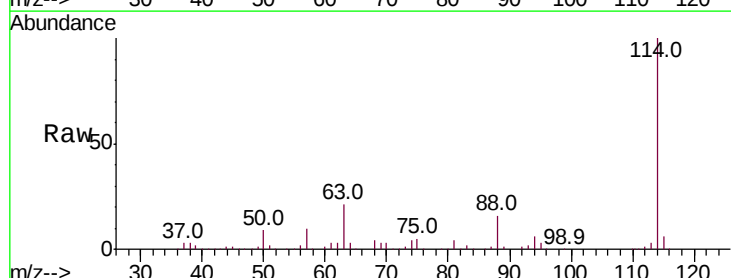
Manual Integrations
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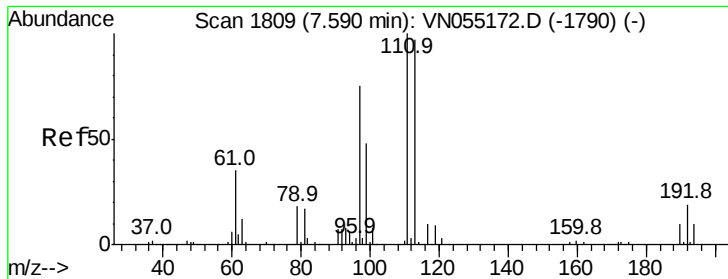
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 4/23/2019 1:46:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	45.2
88	15.8	0.0	32.8





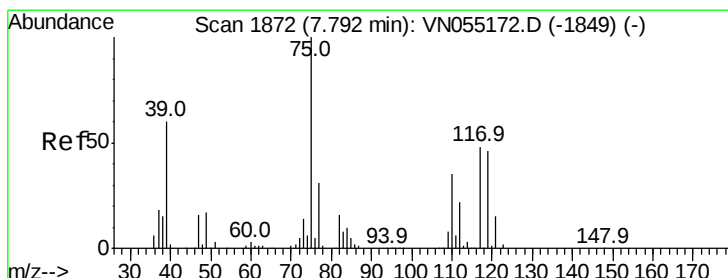
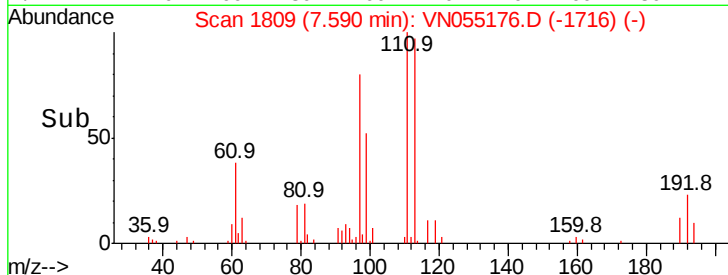
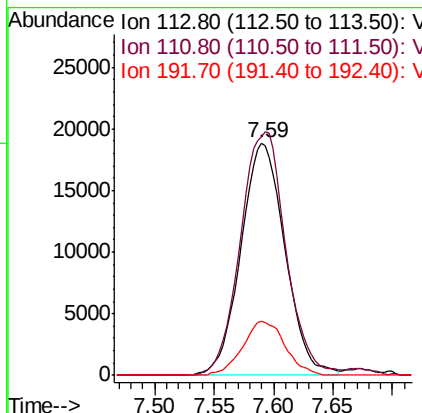
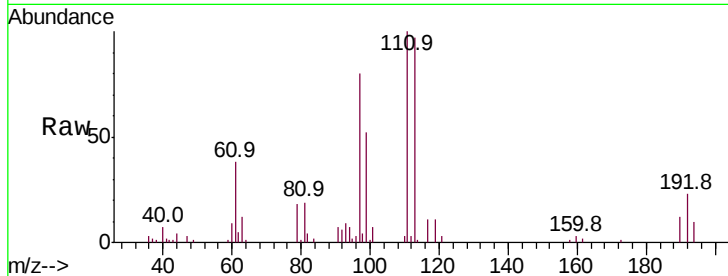
#35
 Dibromofluoromethane
 Concen: 9.626 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	108.2	81.0	121.4
192	22.4	16.2	24.4

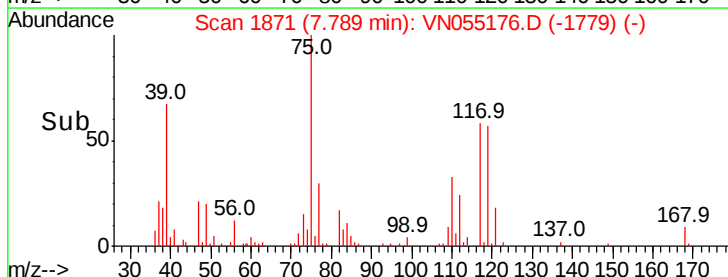
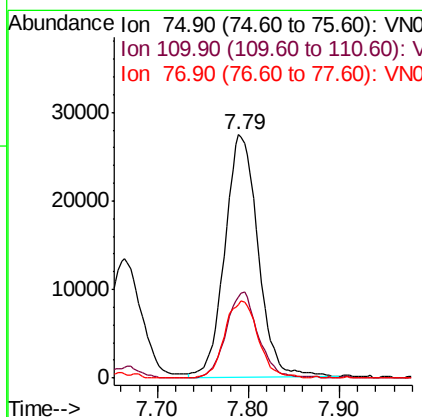
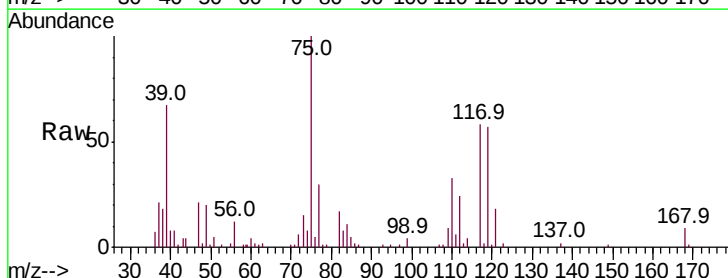
Manual Integrations
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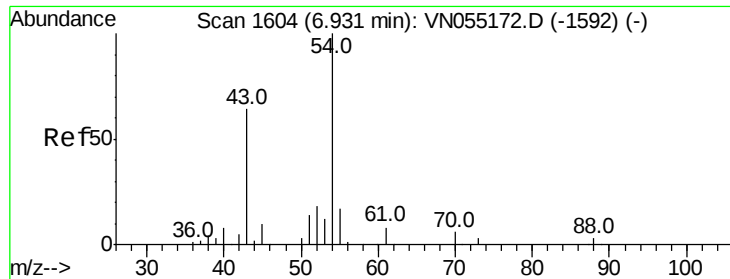
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#36
 1,1-Dichloropropene
 Concen: 10.656 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.1	51.2
77	32.1	24.6	36.8





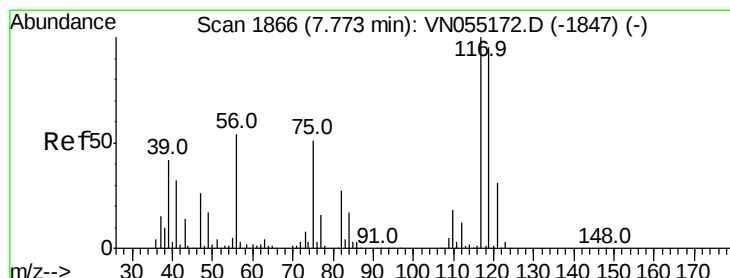
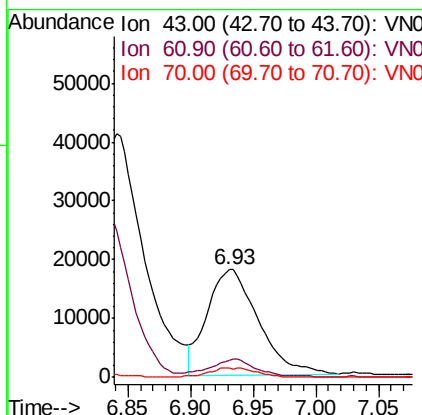
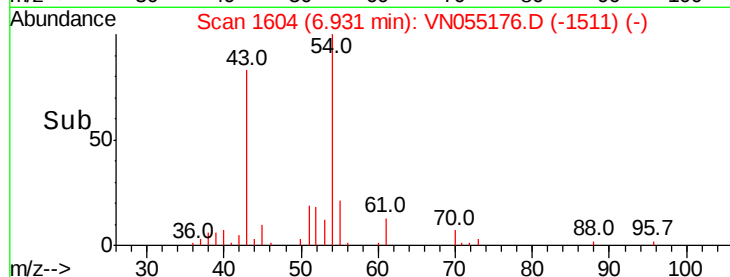
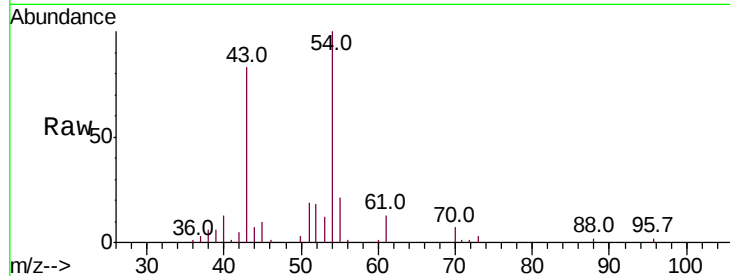
#37
Ethyl Acetate
Concen: 9.301 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	9.7	14.5#
70	4.4	6.9	10.3#

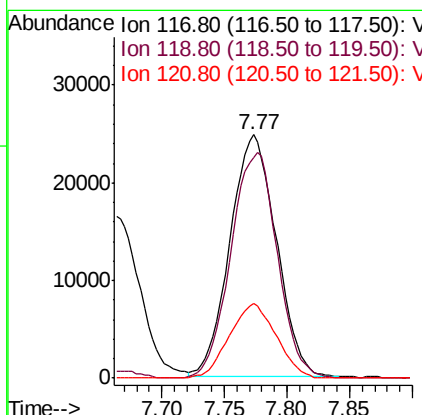
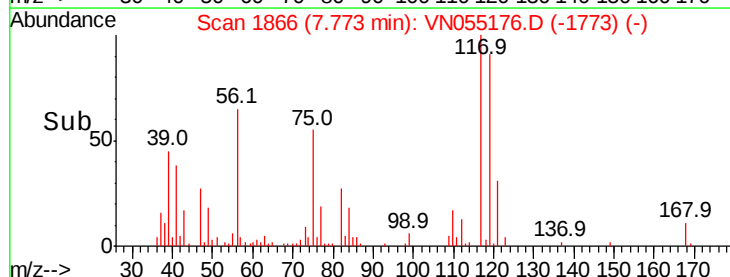
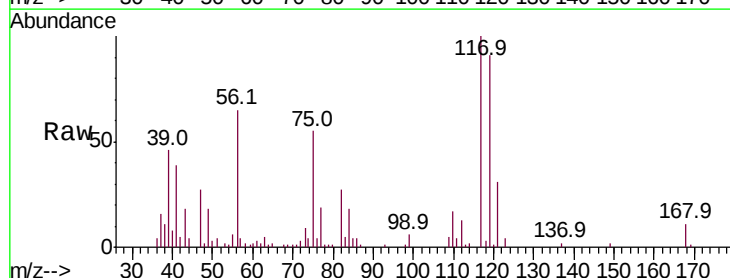
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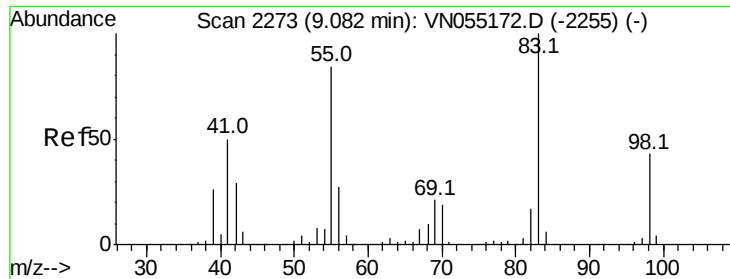
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4/23/2019 1:46:59 PM



#38
Carbon Tetrachloride
Concen: 9.742 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.4	76.0	114.0
121	30.8	24.6	36.8





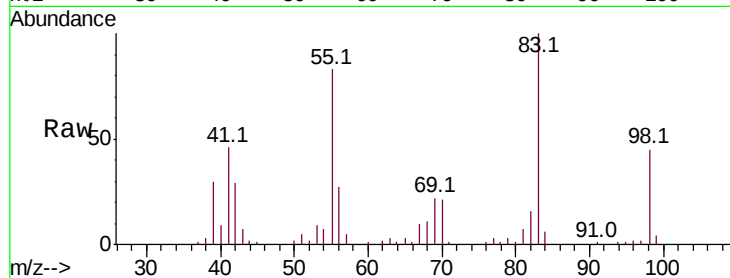
#39
Methvlcvclohexane
Concen: 10.380 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.0	67.4	101.0
98	45.1	34.7	52.1

Manual Integrations
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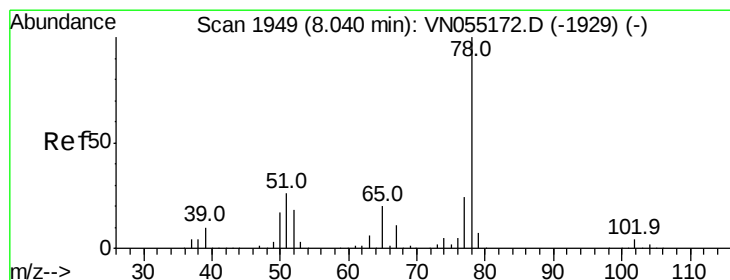
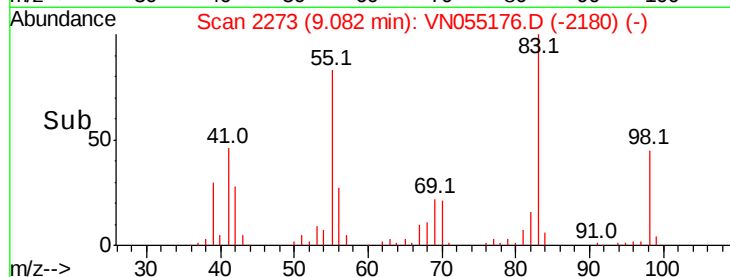
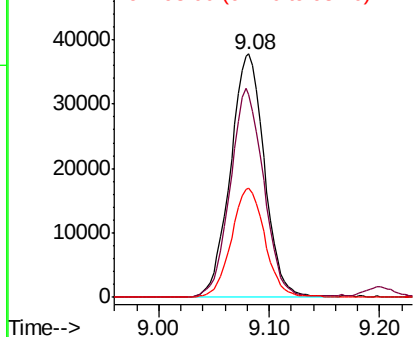


Abundance

Ion 83.00 (82.70 to 83.70): VN0

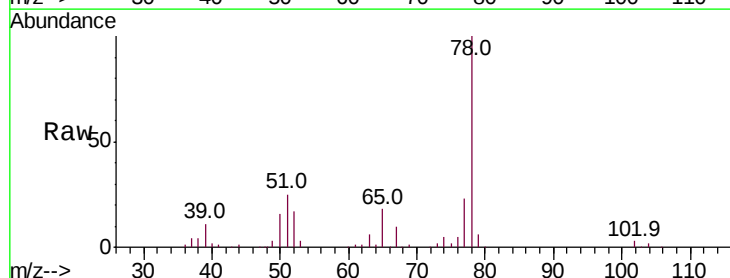
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 10.283 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

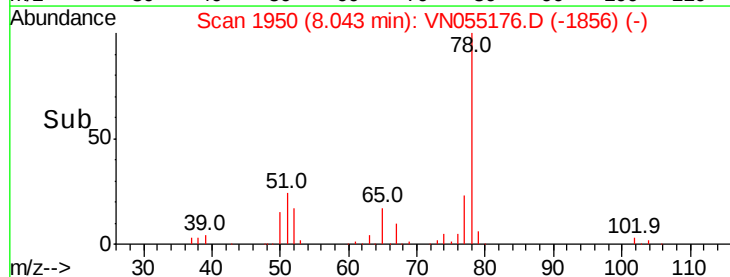
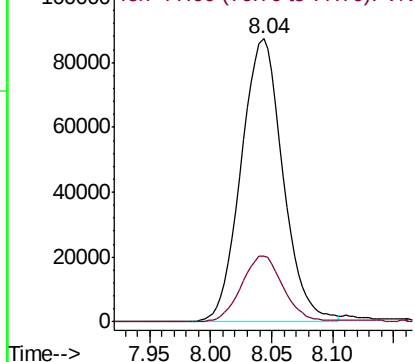
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.5	29.3

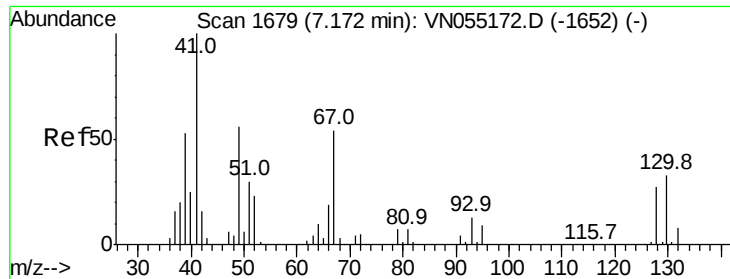


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 8.902 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 23897
Ion Ratio Lower Upper

41 100

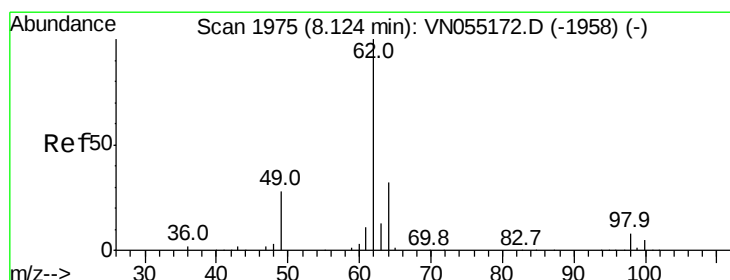
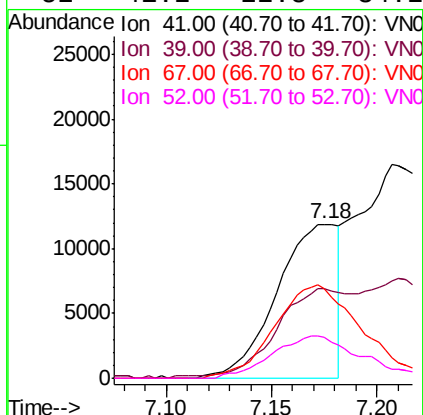
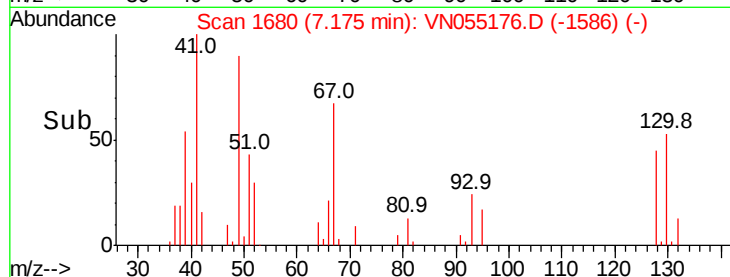
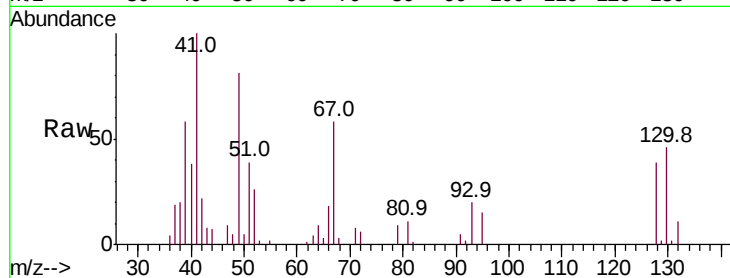
39 65.0 45.4 68.0

67 85.3 54.6 81.8#

52 41.2 22.8 34.2#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 10.112 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

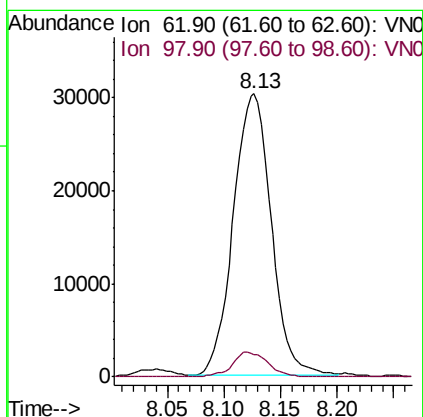
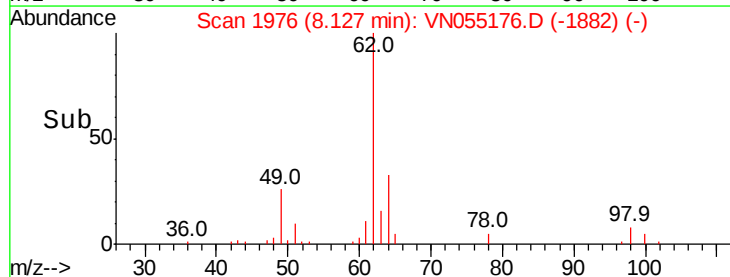
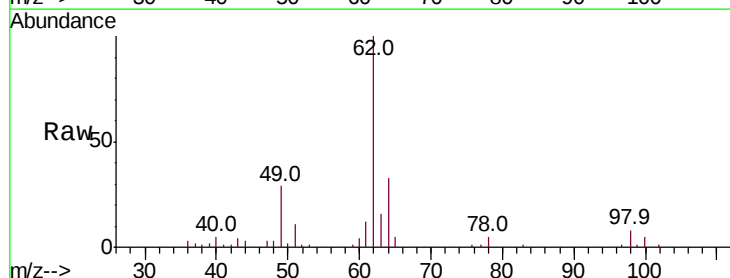
Lab File: VN055176.D

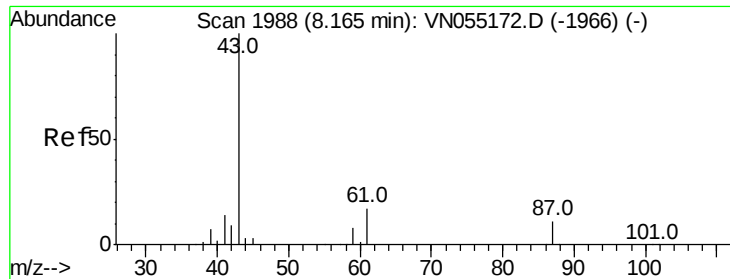
Acq: 22 Apr 2019 12:23

Tgt Ion: 62 Resp: 70973
Ion Ratio Lower Upper

62 100

98 8.2 0.0 17.0





#43

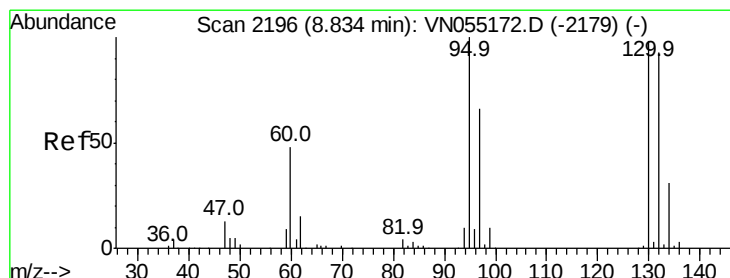
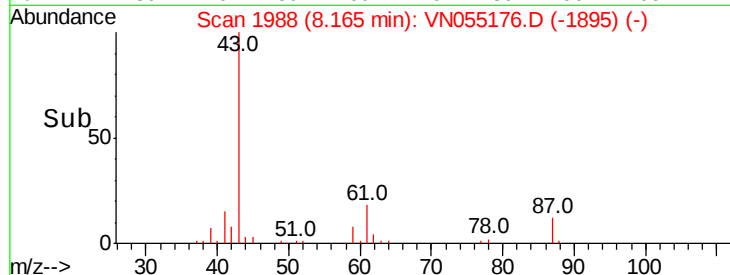
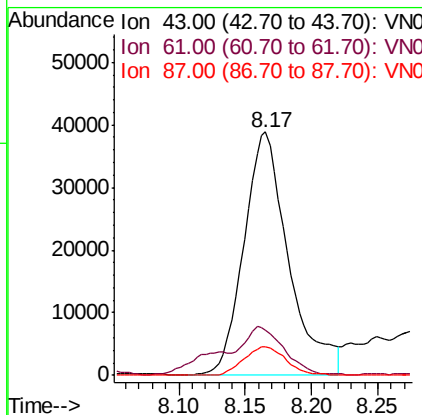
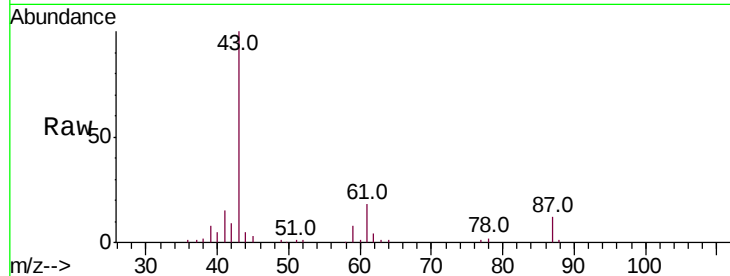
Isopropyl Acetate
 Concen: 10.744 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	43	61	87
Ratio	100	18.4	11.0
Lower		20.6	8.8
Upper		30.8	13.2

Manual Integrations
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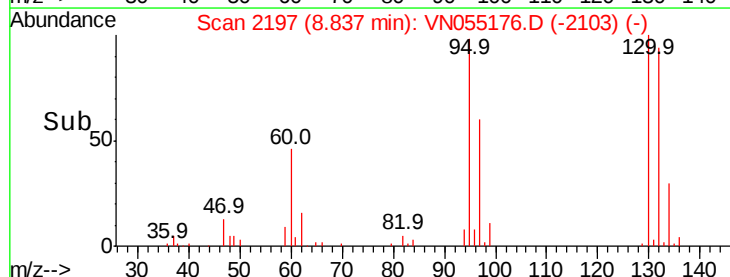
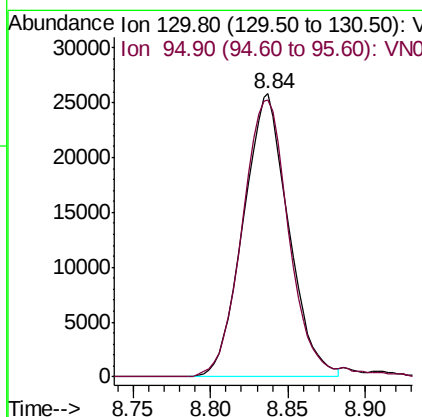
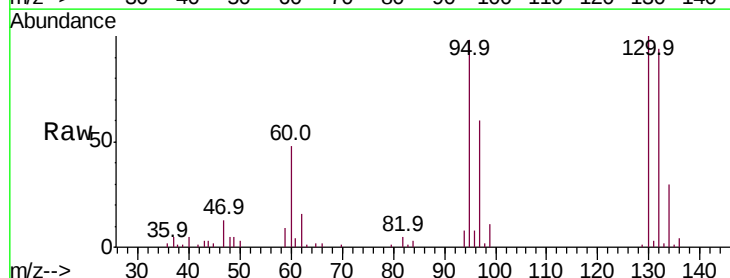
MMDadoda
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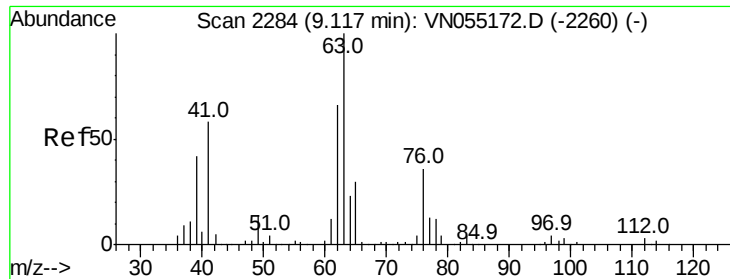


#44

Trichloroethene
 Concen: 10.334 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Tgt Ion	130	95
Ratio	100	97.8
Lower		0.0
Upper		203.6





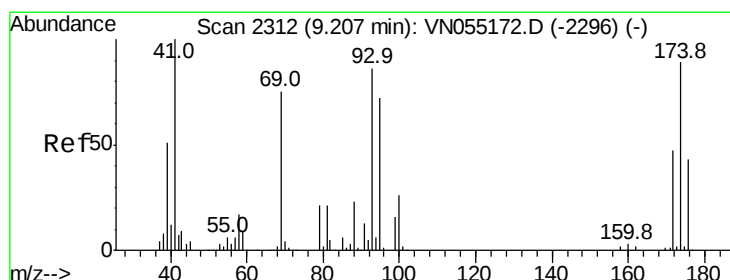
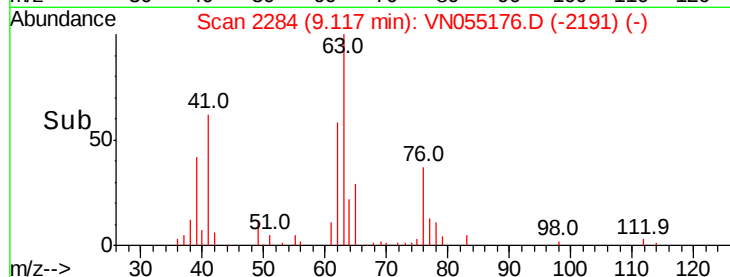
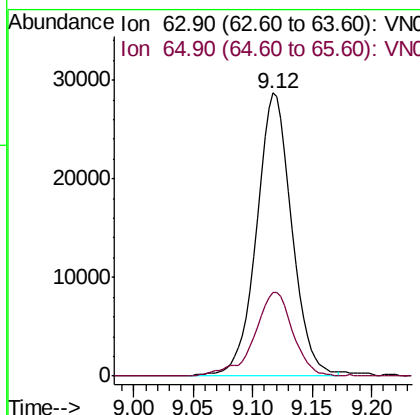
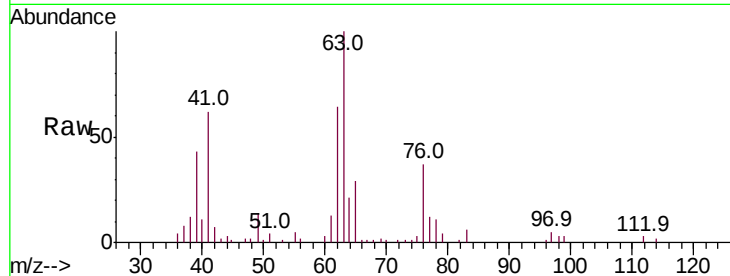
#45
 1,2-Dichloropropane
 Concen: 10.377 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	23.8	35.6

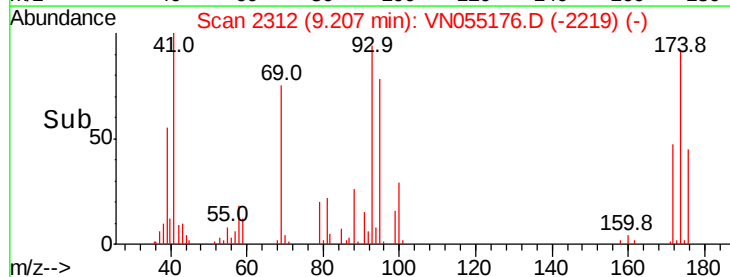
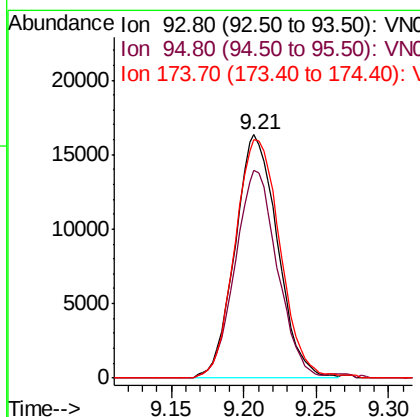
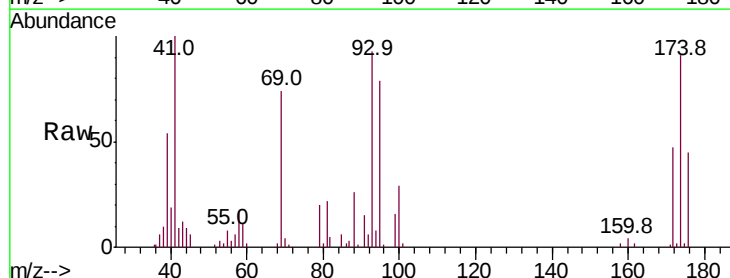
Manual Integrations
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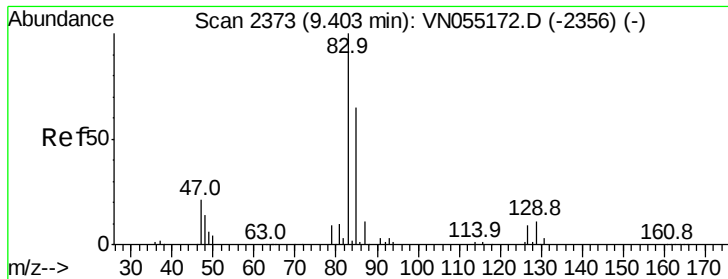
MMDadoda
 4/23/2019 1:46:59 PM



#46
 Dibromomethane
 Concen: 10.245 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	67.6	101.4
174	104.3	83.4	125.2





#47

Bromodichloromethane

Concen: 9.870 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

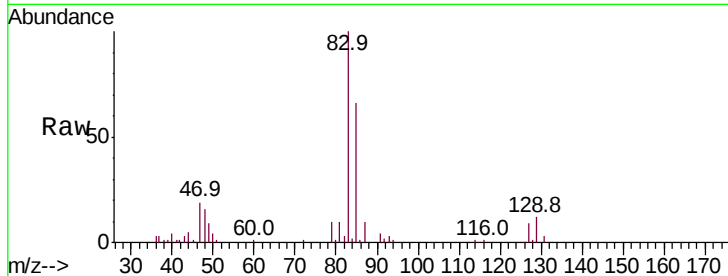
ClientSampleId :

VSTDIC010

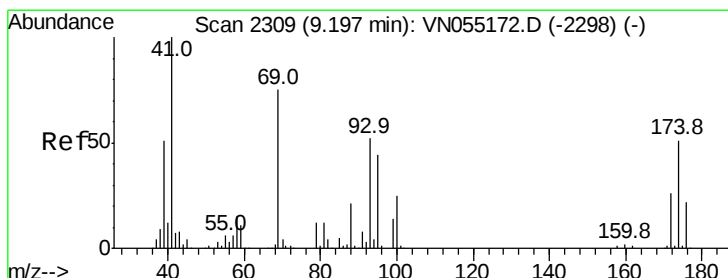
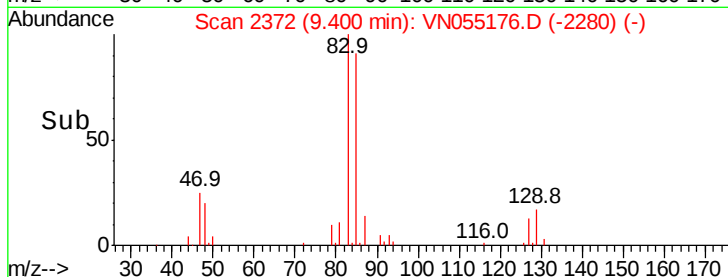
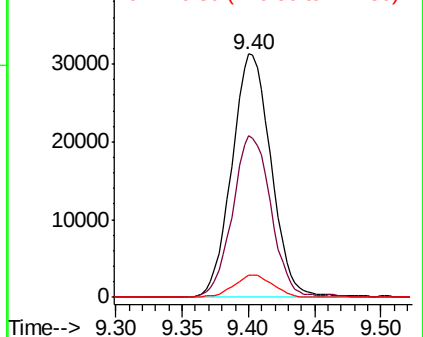
Tot Ion:	83	Resp:	64233
Ion Ratio	Lower	Upper	
83	100		
85	66.4	52.1	78.1
127	9.2	6.9	10.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 9.934 ug/l

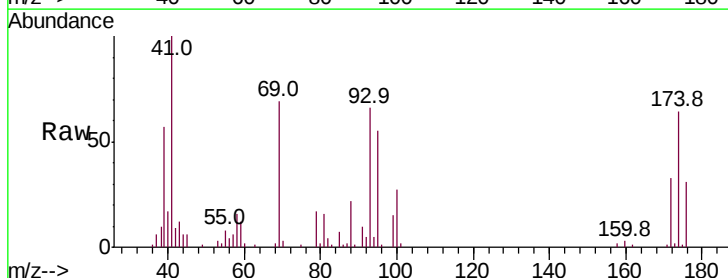
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

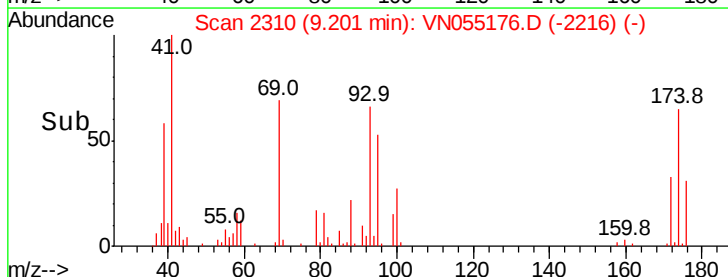
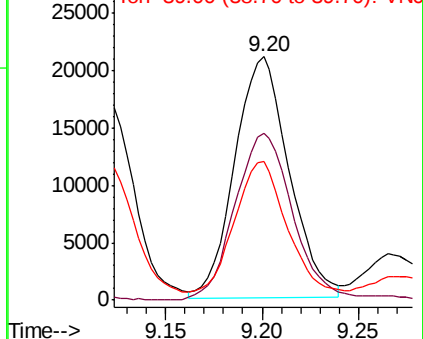
Lab File: VN055176.D

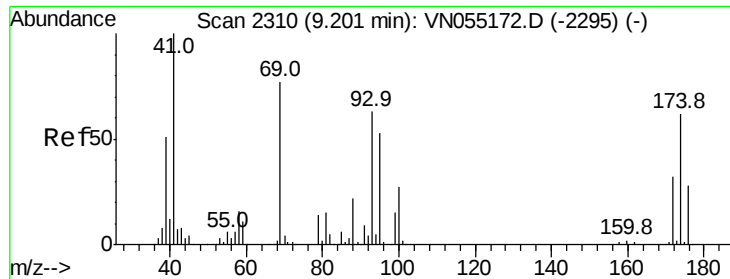
Acq: 22 Apr 2019 12:23

Tgt Ion:	41	Resp:	41042
Ion Ratio	Lower	Upper	
41	100		
69	74.7	63.6	95.4
39	56.4	43.8	65.8



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 220.708 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

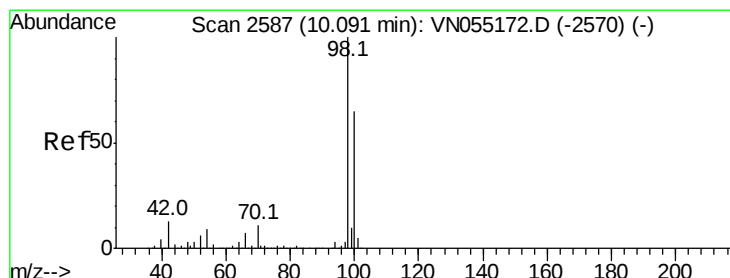
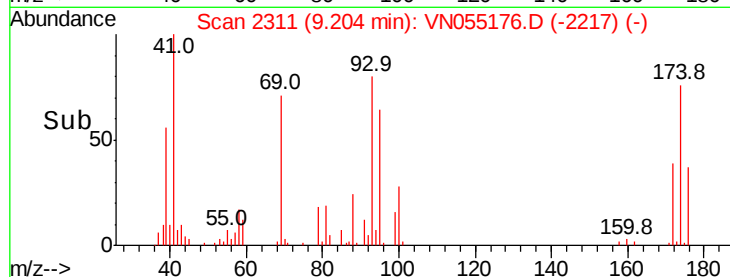
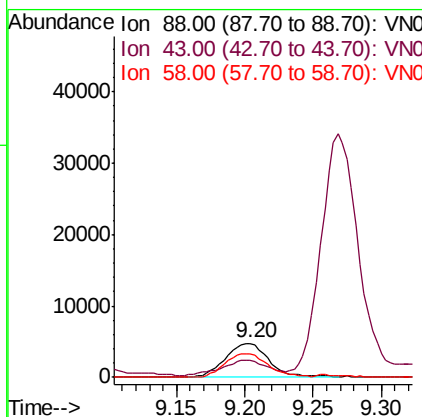
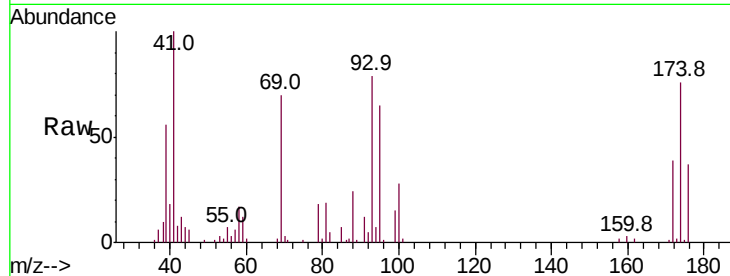
ClientSampleId :

VSTDIC010

Tot Ion:	88	Resp:	10530
Ion Ratio	Lower	Upper	
88	100		
43	47.4	32.0	48.0
58	68.8	60.4	90.6

Manual Integrations
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4/23/2019 1:46:59 PM



#50

Toluene-d8

Concen: 10.211 ug/l

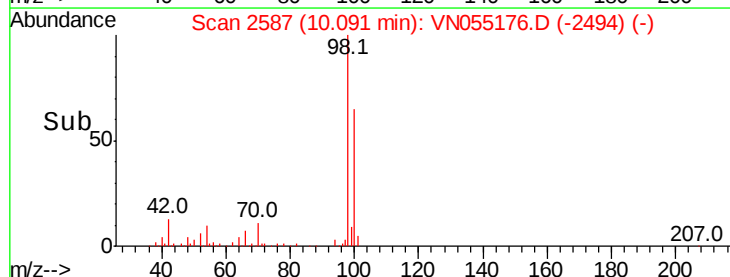
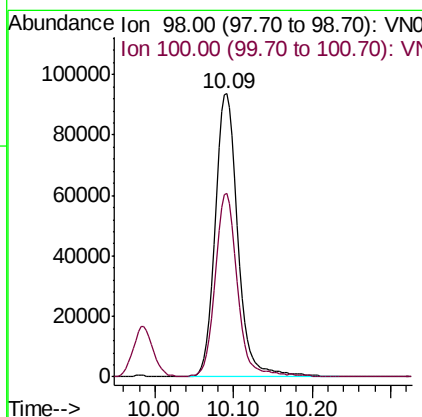
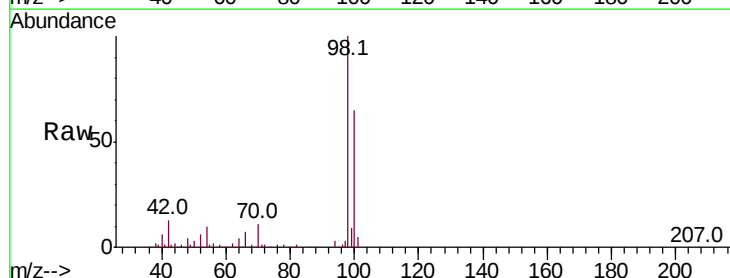
RT: 10.09 min Scan# 2587

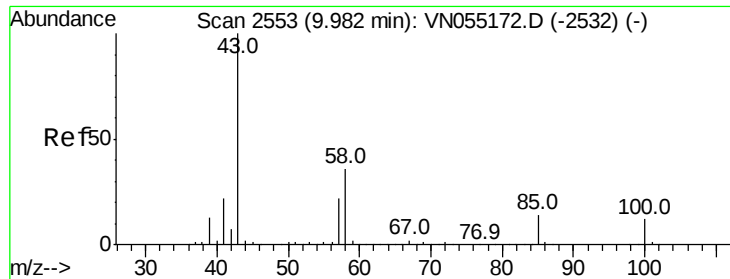
Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Tgt Ion:	98	Resp:	186244
Ion Ratio	Lower	Upper	
98	100		
100	63.9	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 50.701 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 248483

Ion Ratio Lower Upper

43 100

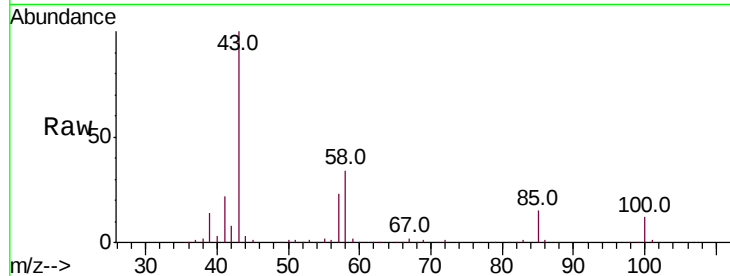
58 35.2 28.3 42.5

Manual Integrations

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4/23/2019 1:46:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

100000

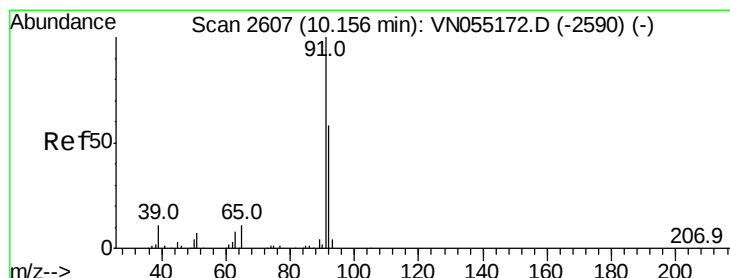
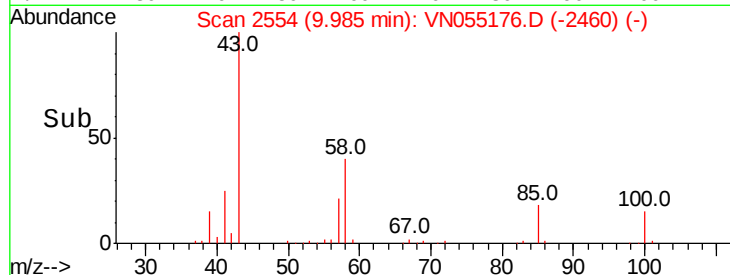
50000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 10.675 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055176.D

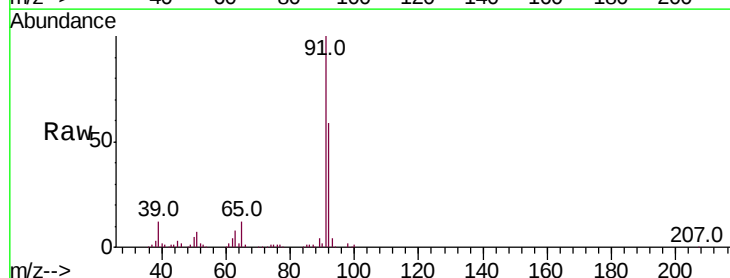
Acq: 22 Apr 2019 12:23

Tgt Ion: 92 Resp: 125904

Ion Ratio Lower Upper

92 100

91 173.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

120000

100000

80000

60000

40000

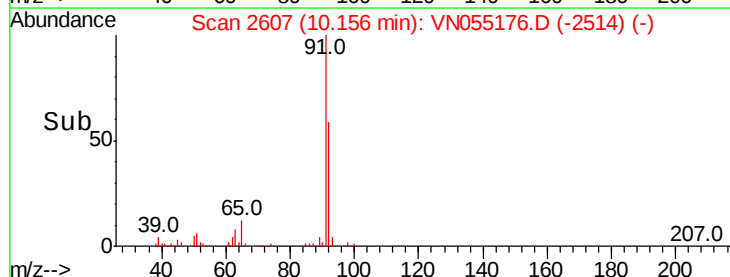
20000

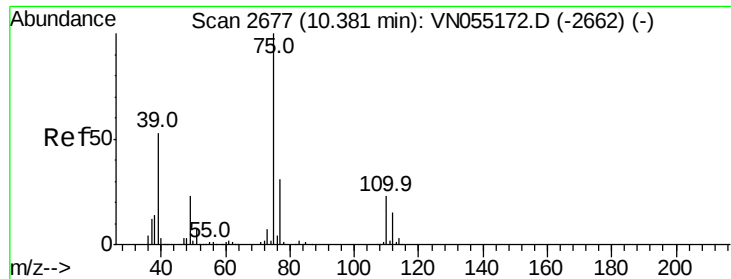
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 9.880 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 59007

Ion Ratio Lower Upper

75 100

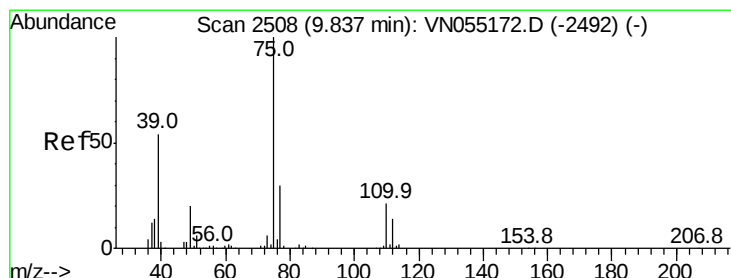
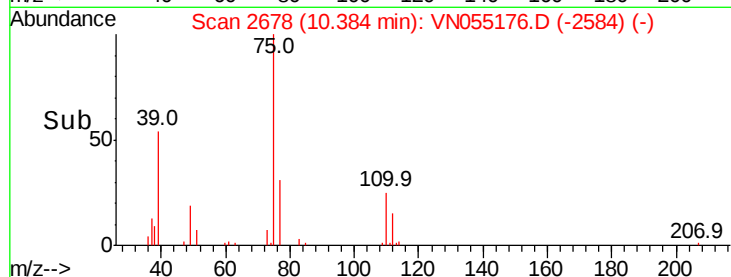
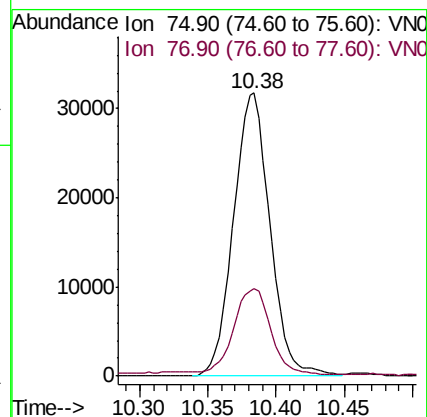
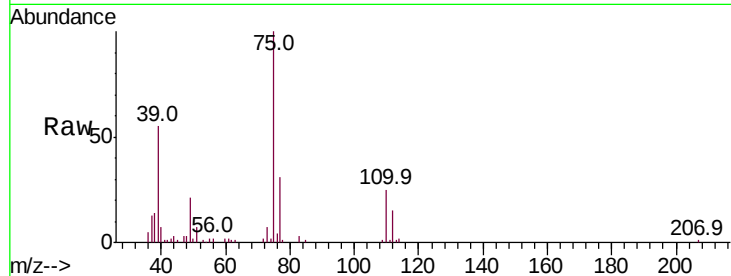
77 30.4 25.1 37.7

Manual Integrations

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4/23/2019 1:46:59 PM



#54

cis-1,3-Dichloropropene

Concen: 9.847 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

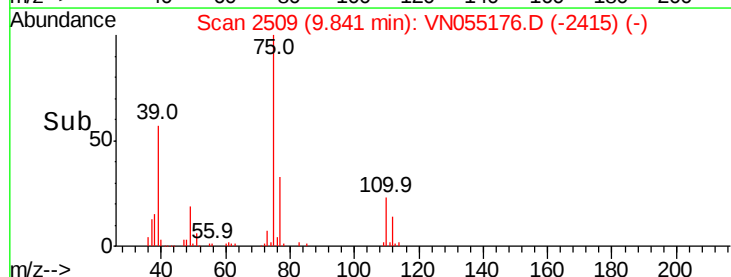
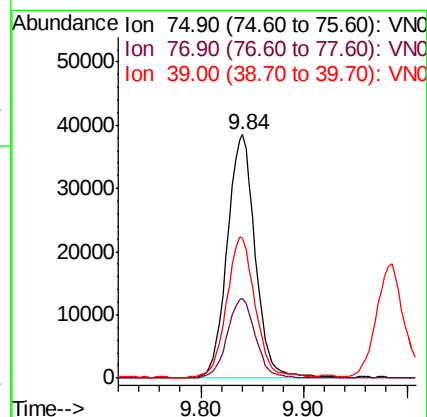
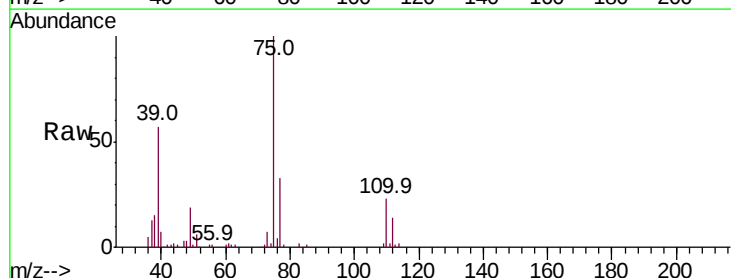
Tgt Ion: 75 Resp: 72983

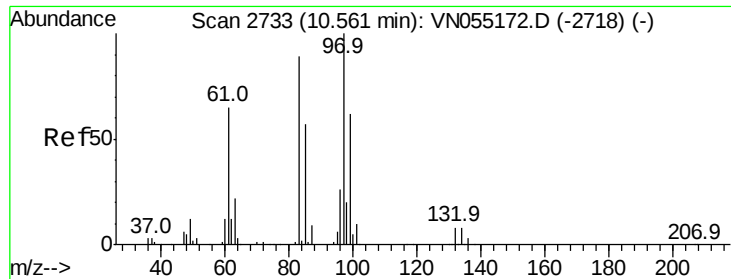
Ion Ratio Lower Upper

75 100

77 32.9 24.3 36.5

39 56.6 43.0 64.4





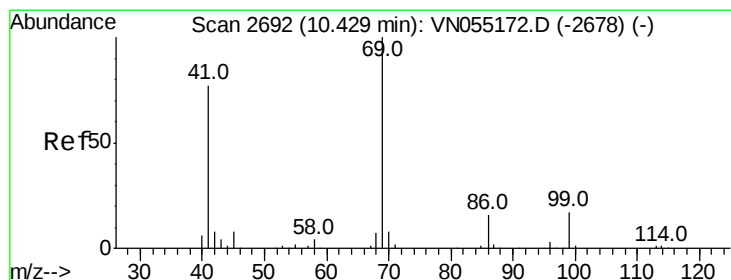
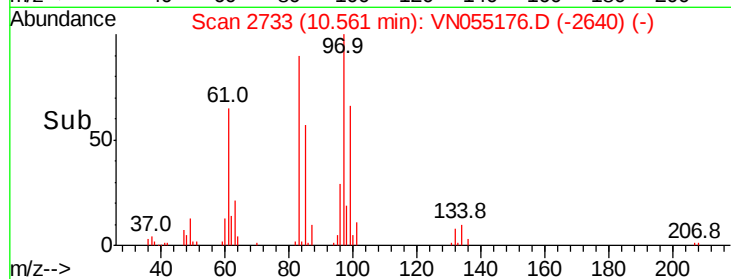
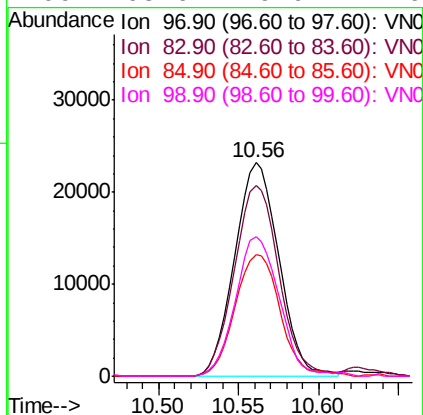
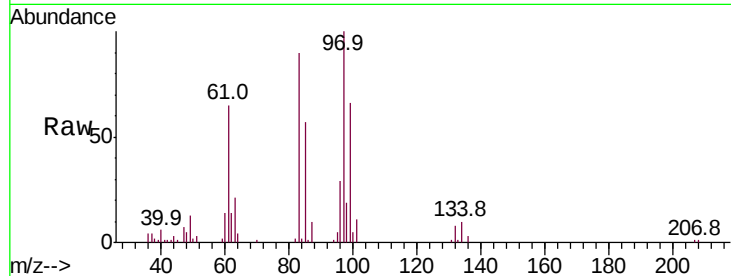
#55
 1,1,2-Trichloroethane
 Concen: 10.090 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	43871
Ion	Ratio	Lower	Upper
97	100		
83	89.5	71.5	107.3
85	56.9	45.8	68.6
99	65.6	49.9	74.9

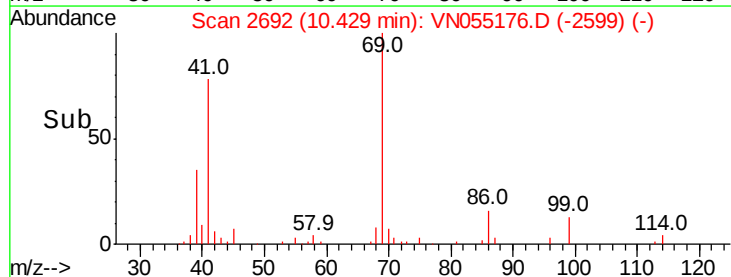
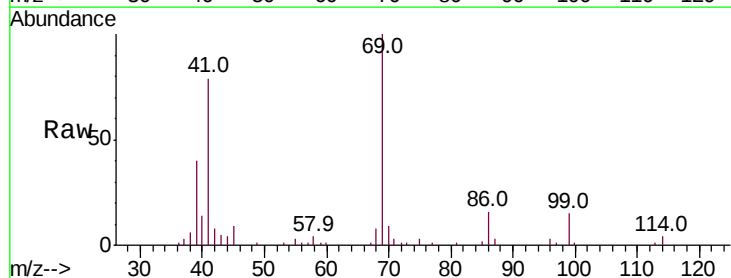
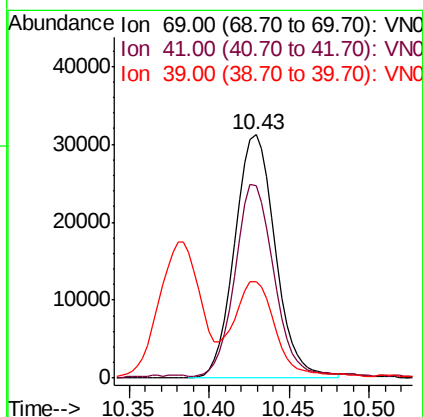
Manual Integrations
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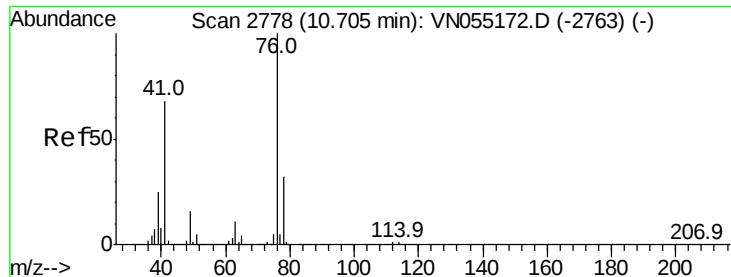
MMDadoda
 4/23/2019 1:46:59 PM



#56
 Ethyl methacrylate
 Concen: 9.998 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Tgt Ion:	69	Resp:	54154
Ion	Ratio	Lower	Upper
69	100		
41	74.9	60.6	90.8
39	39.6	31.7	47.5





#57

1,3-Dichloropropane

Concen: 10.028 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 75864

Ion Ratio Lower Upper

76 100

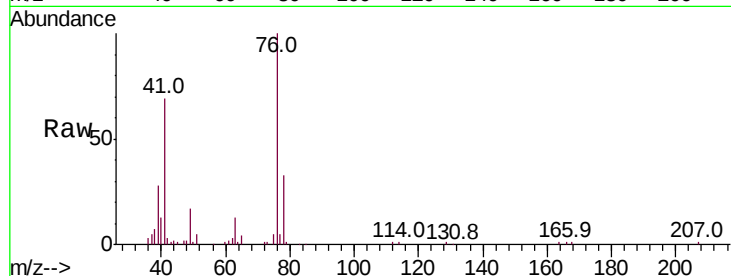
78 31.8 25.3 37.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

40000

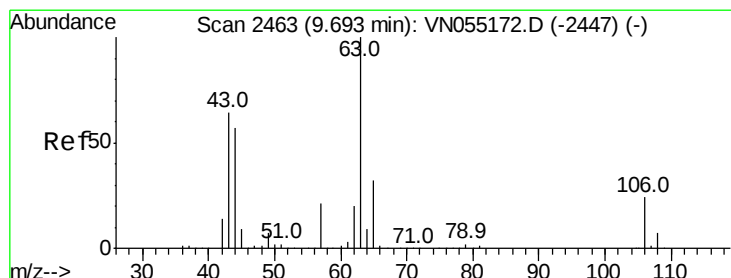
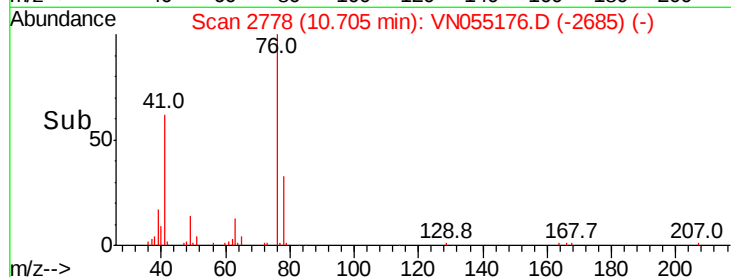
30000

20000

10000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 48.311 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055176.D

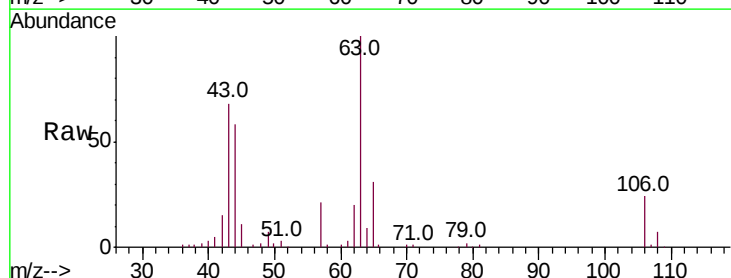
Acq: 22 Apr 2019 12:23

Tgt Ion: 63 Resp: 84368

Ion Ratio Lower Upper

63 100

106 23.6 19.4 29.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

50000

40000

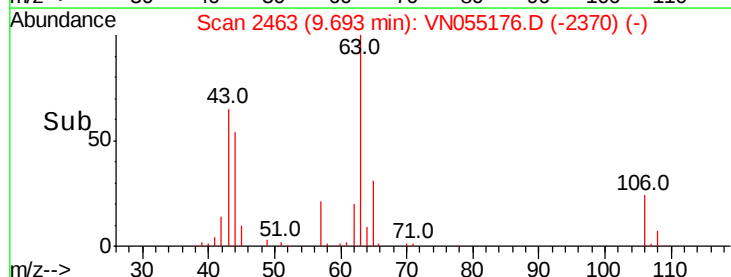
30000

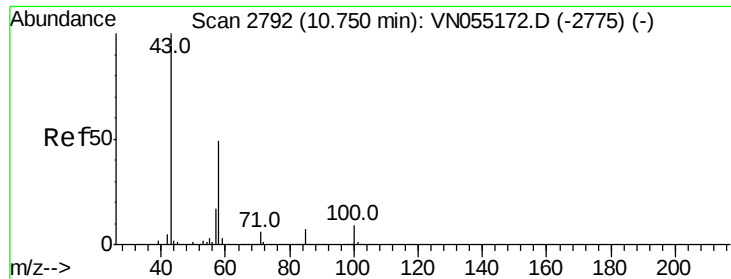
20000

10000

0

Time--> 9.60 9.65 9.70 9.75





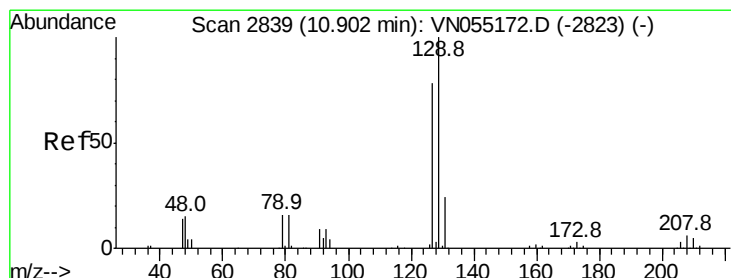
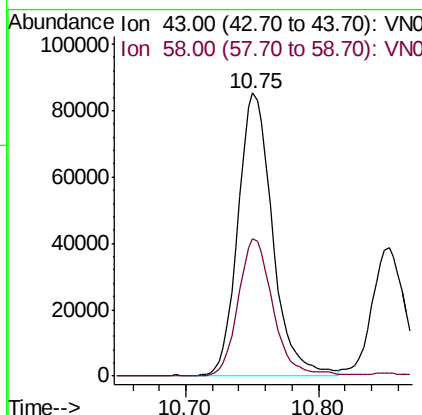
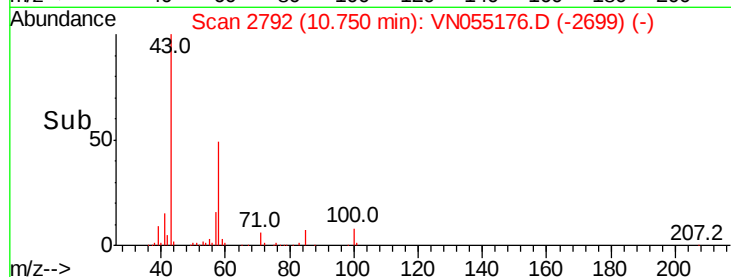
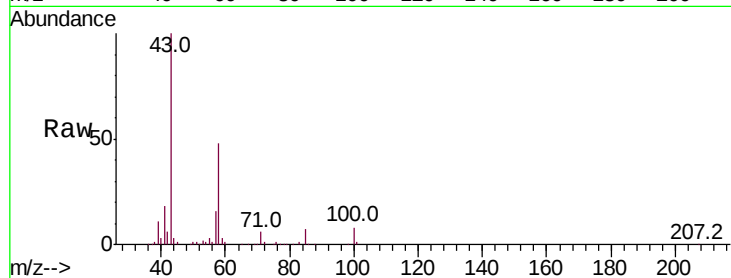
#59
2-Hexanone
Concen: 49.479 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 153170
Ion Ratio Lower Upper
43 100
58 49.3 24.5 73.5

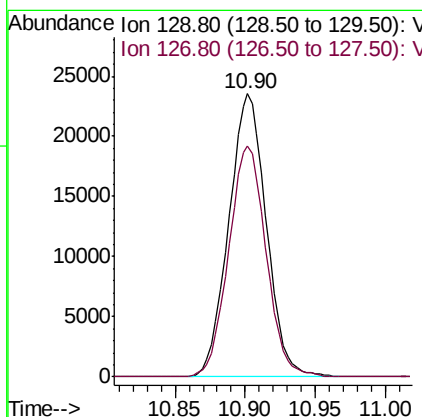
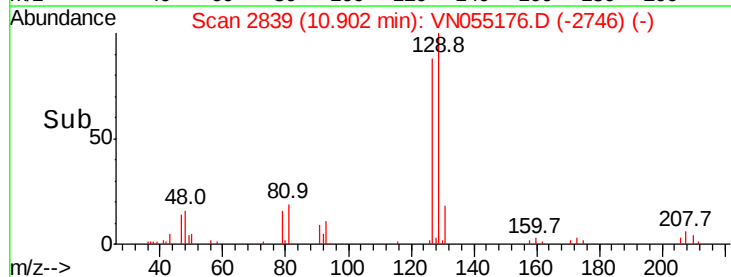
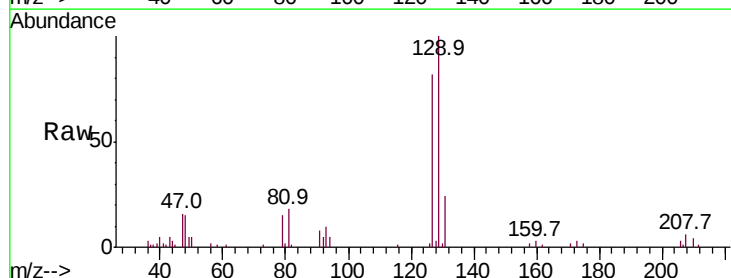
Manual Integrations
APPROVED

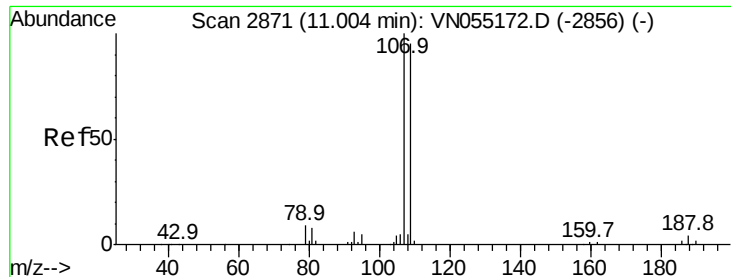
MMDadoda
4/23/2019 1:46:59 PM



#60
Dibromochloromethane
Concen: 9.775 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion: 129 Resp: 43776
Ion Ratio Lower Upper
129 100
127 81.5 39.0 117.0





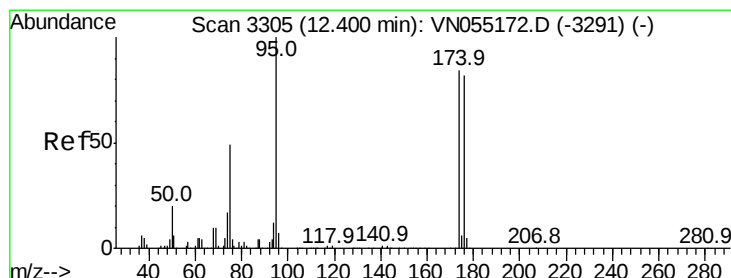
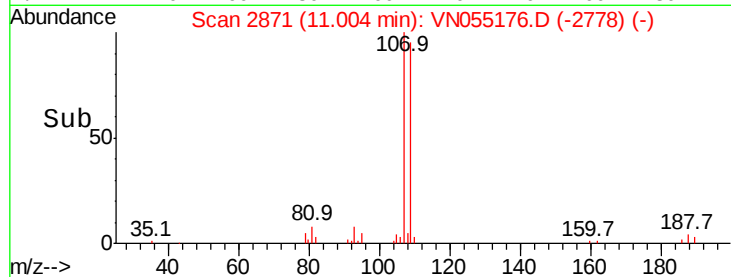
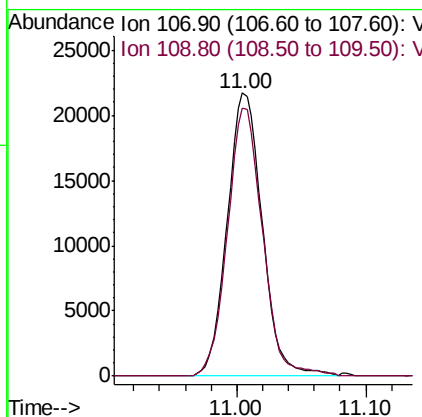
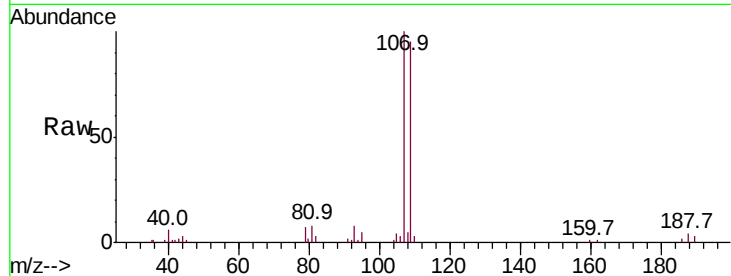
#61
1,2-Dibromoethane
Concen: 10.017 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.8	113.6

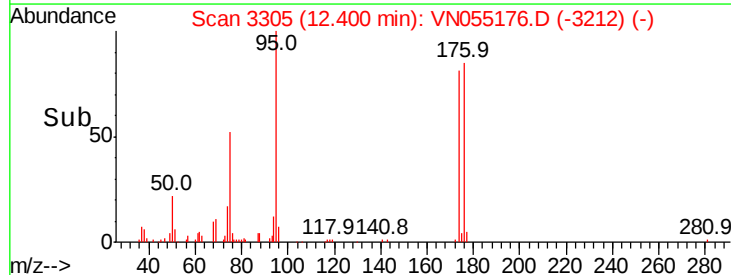
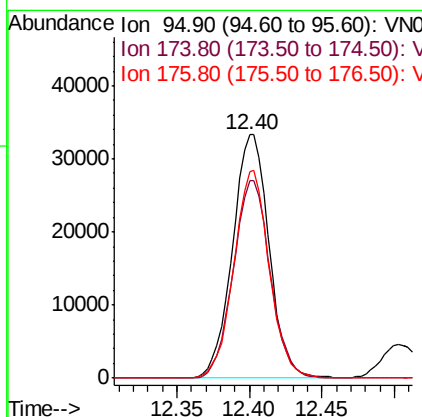
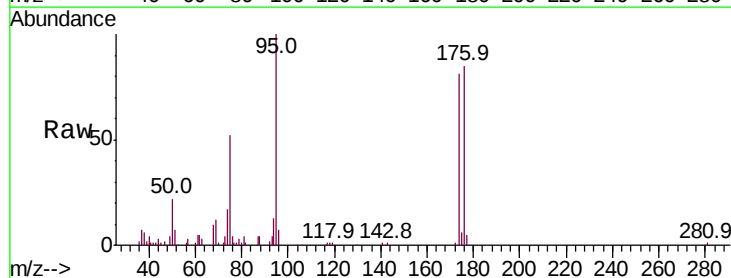
Manual Integrations
APPROVED

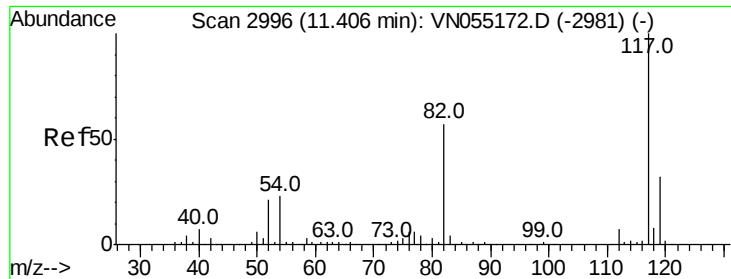
MMDadoda
4/23/2019 1:46:59 PM



#62
4-Bromofluorobenzene
Concen: 10.112 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.9	0.0	168.4
176	82.7	0.0	164.0





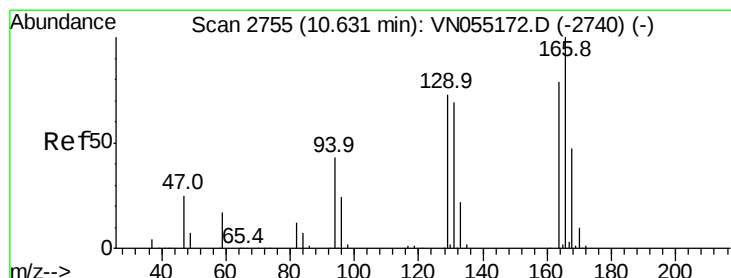
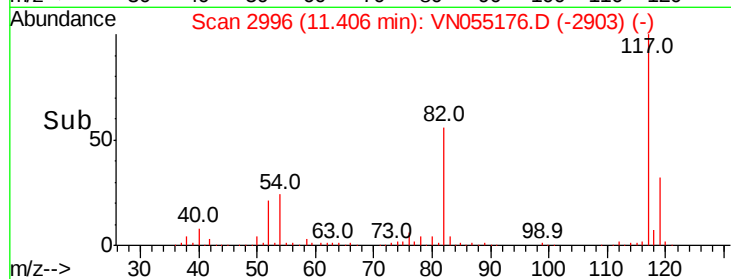
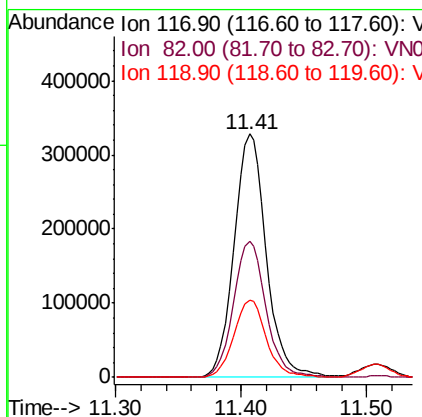
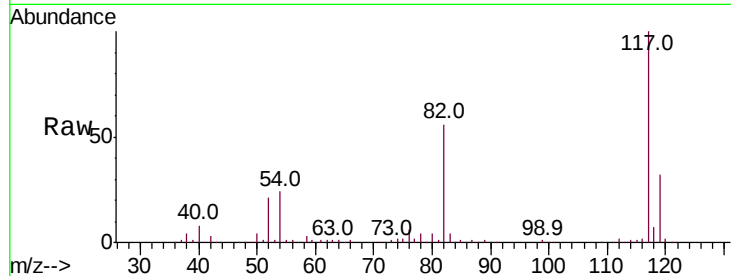
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.7	68.5
119	31.8	25.4	38.2

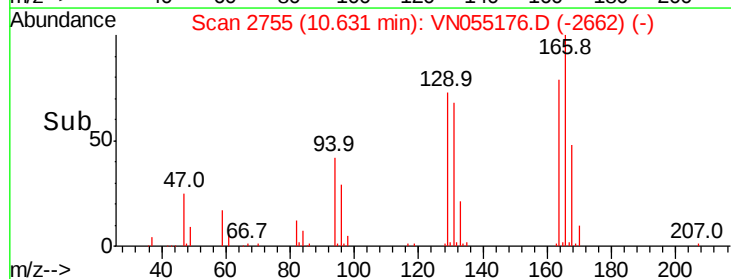
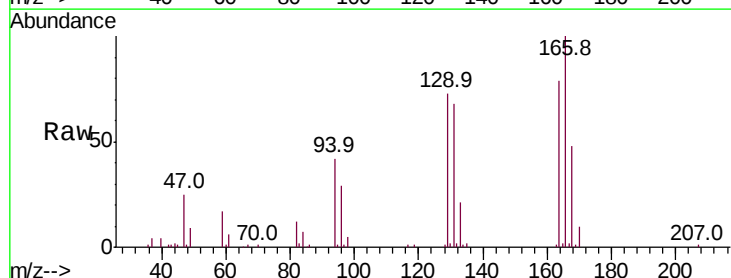
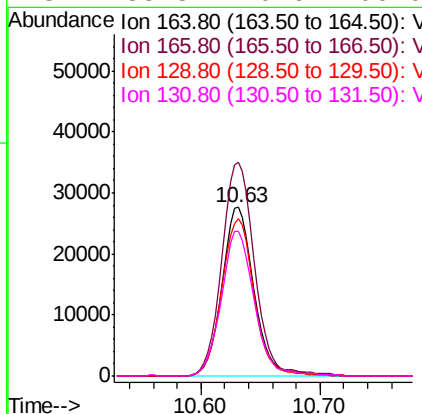
Manual Integrations
APPROVED

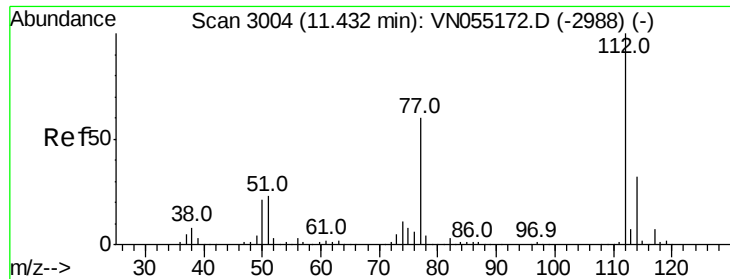
MMDadoda
4/23/2019 1:46:59 PM



#64
Tetrachloroethene
Concen: 10.734 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.9	152.9
129	93.1	74.1	111.1
131	85.8	70.6	106.0





#65

Chlorobenzene

Concen: 10.517 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 125910

Ion Ratio Lower Upper

112 100

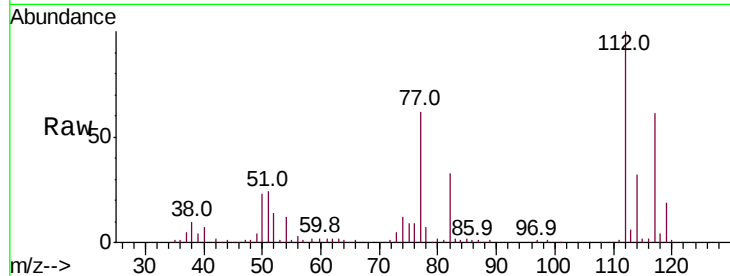
114 32.1 25.4 38.0

Manual Integrations

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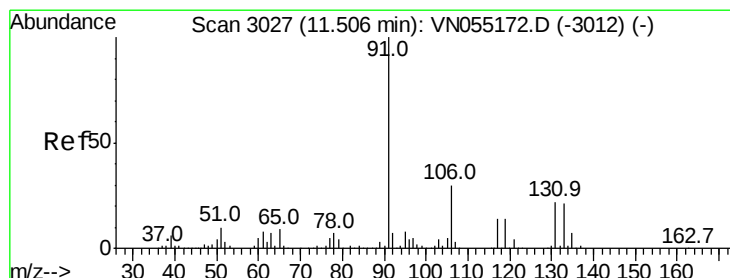
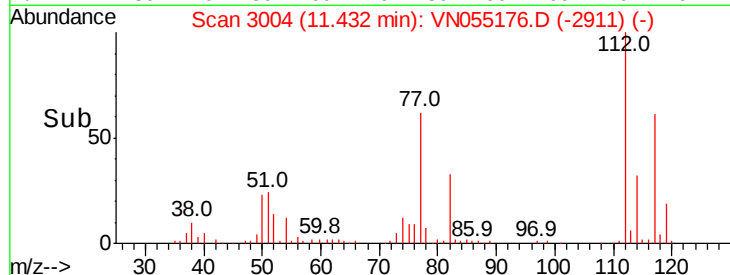
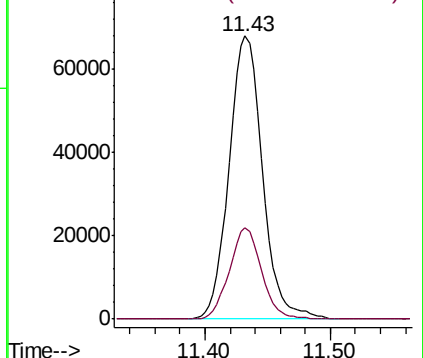
MMDadoda

4/23/2019 1:46:59 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.155 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

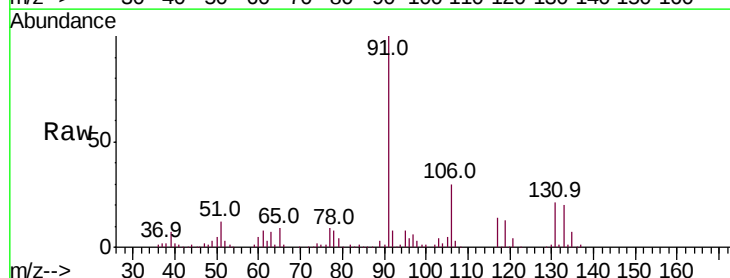
Tgt Ion:131 Resp: 45060

Ion Ratio Lower Upper

131 100

133 97.2 47.7 143.1

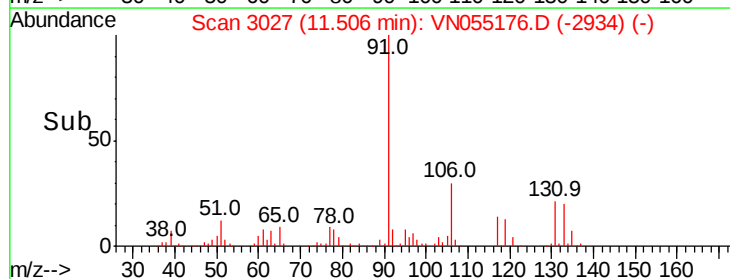
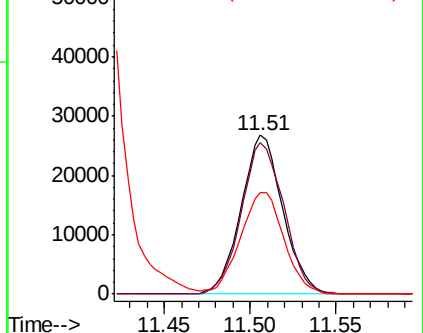
119 67.1 33.2 99.6

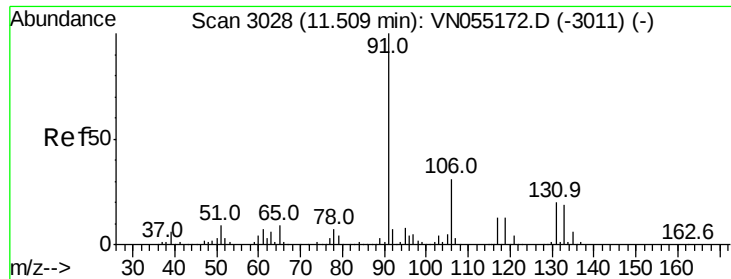


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





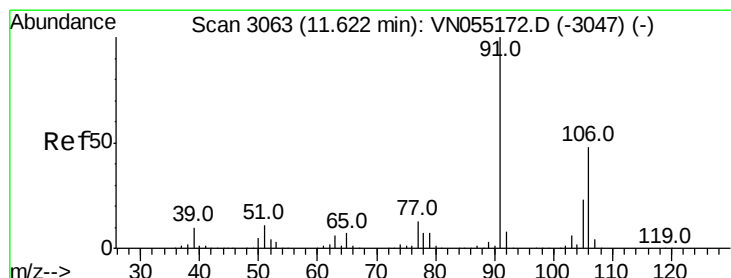
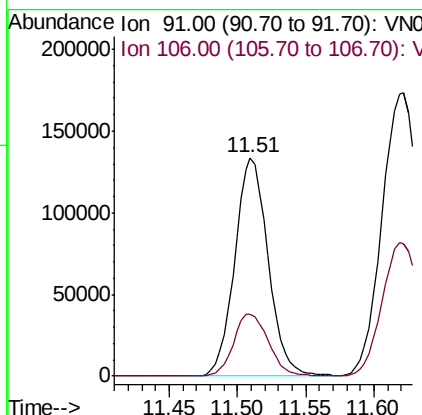
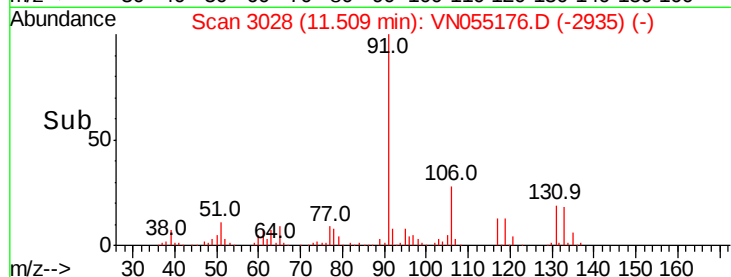
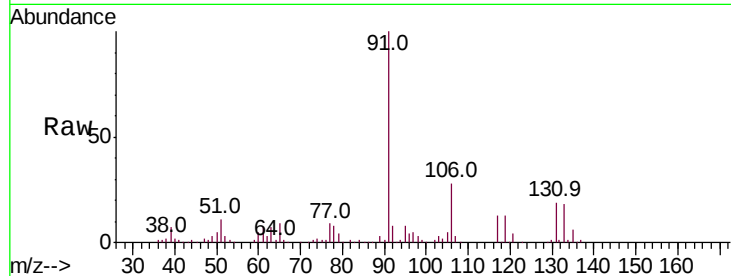
#67
Ethyl Benzene
Concen: 10.646 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 227025
Ion Ratio Lower Upper
91 100
106 28.5 24.5 36.7

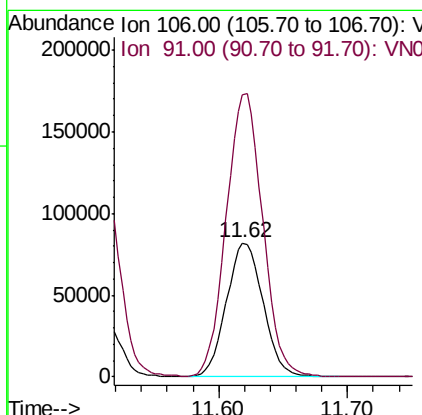
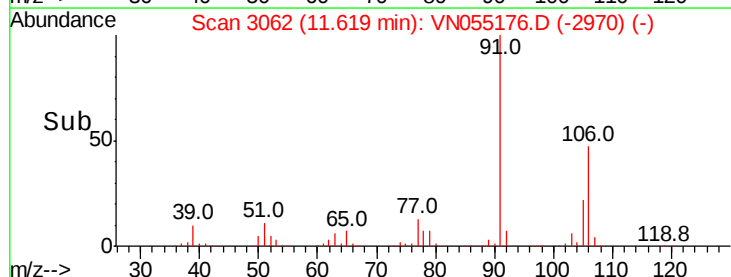
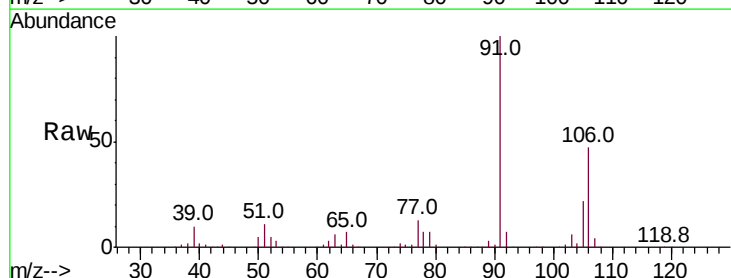
Manual Integrations
APPROVED

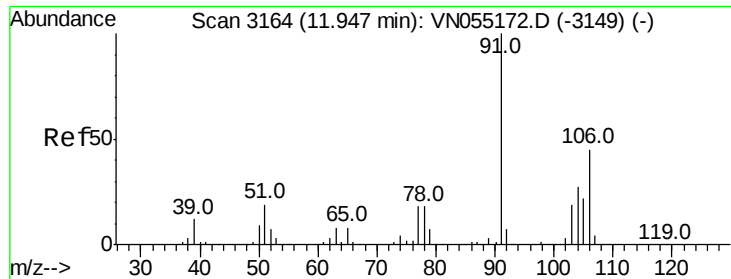
MMDadoda
4/23/2019 1:46:59 PM



#68
m/p-Xylenes
Concen: 21.183 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion: 106 Resp: 162021
Ion Ratio Lower Upper
106 100
91 210.2 167.1 250.7





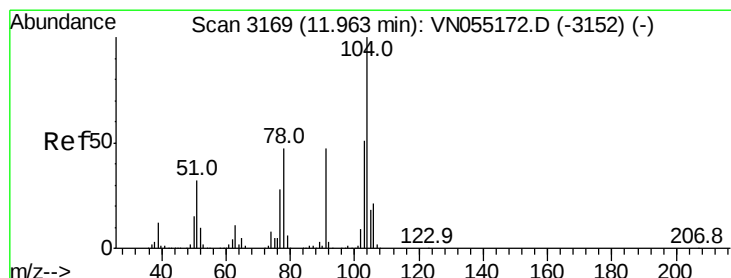
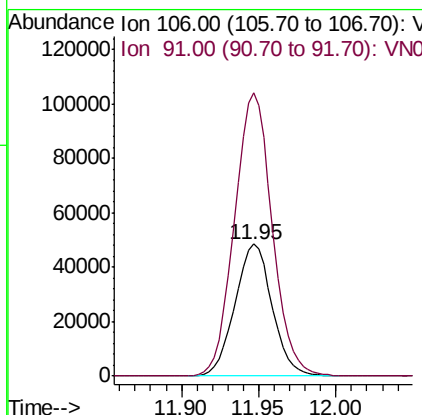
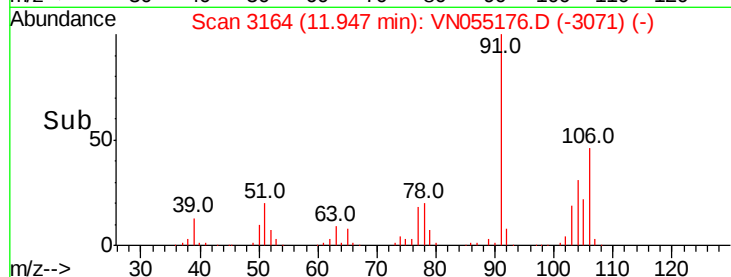
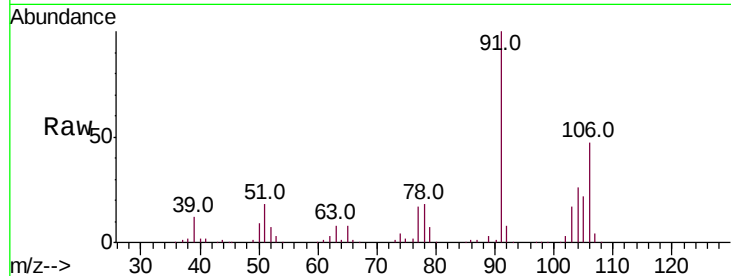
#69
o-Xylene
Concen: 10.682 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.8	110.6	331.8

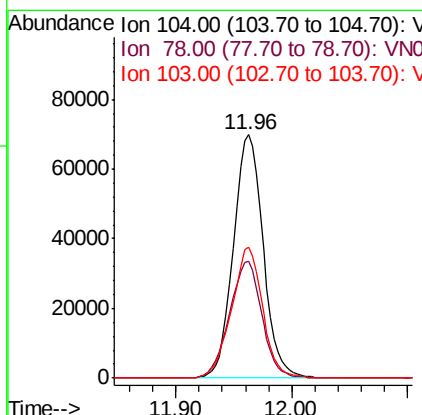
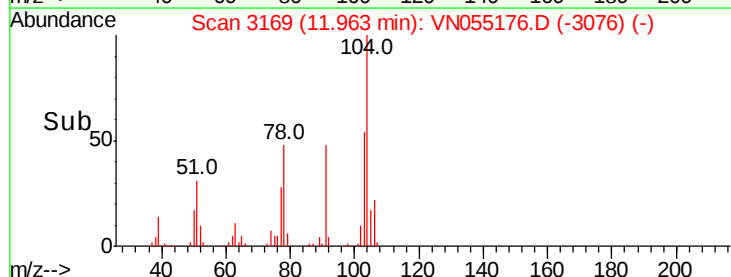
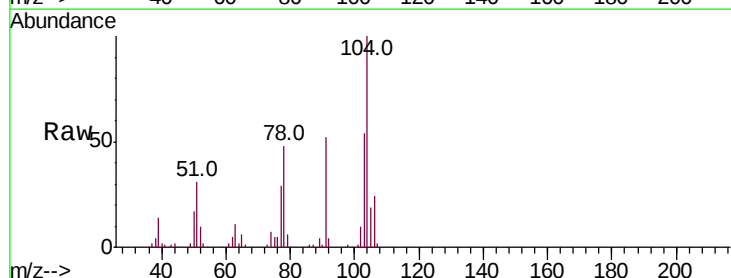
Manual Integrations
APPROVED

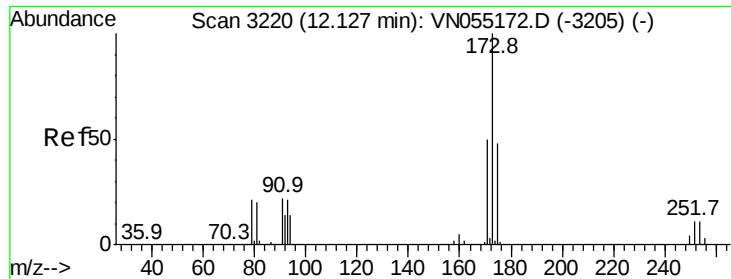
MMDadoda
4/23/2019 1:46:59 PM



#70
Styrene
Concen: 10.544 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.3	61.9
103	56.2	44.2	66.4





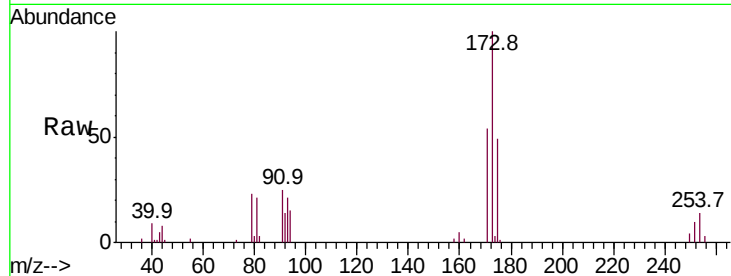
#71
Bromoform
Concen: 9.806 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

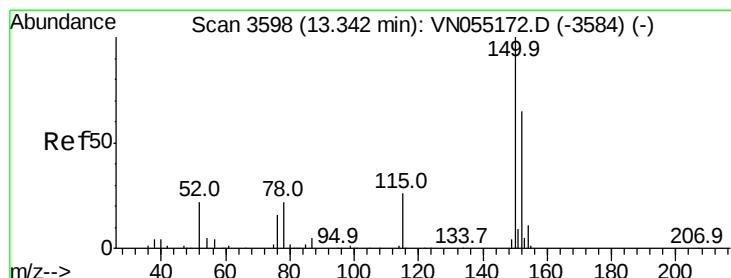
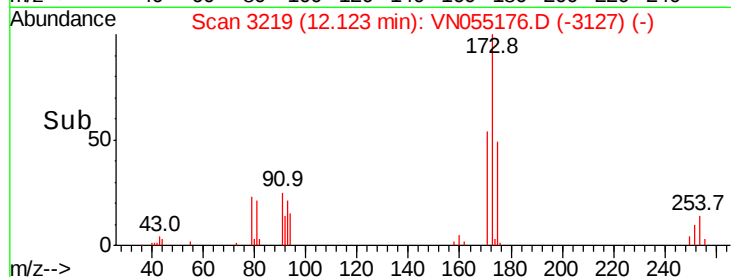
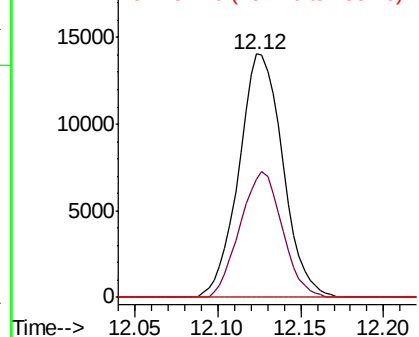
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	23.8	71.2
254	0.0	0.1	0.1#

Manual Integrations
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4/23/2019 1:46:59 PM

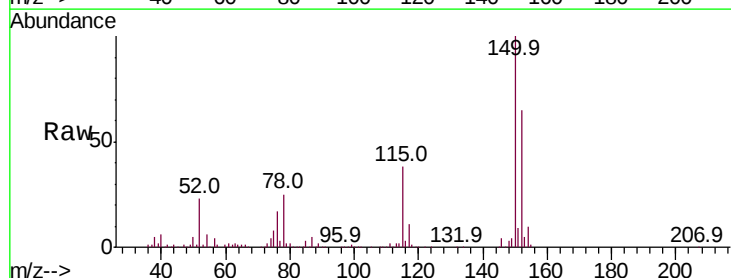


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

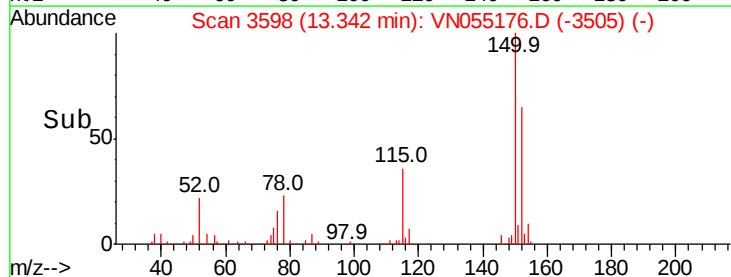
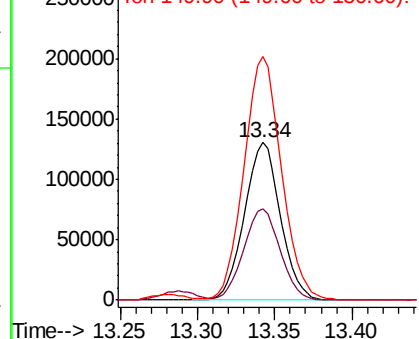


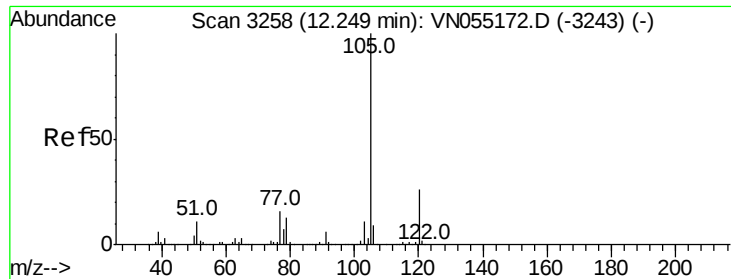
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.9	86.7
150	161.1	0.0	346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.629 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 215441

Ion Ratio Lower Upper

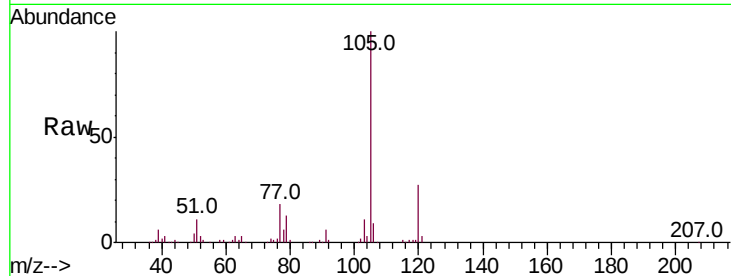
105 100

120 26.2 13.1 39.1

Manual Integrations
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4/23/2019 1:46:59 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

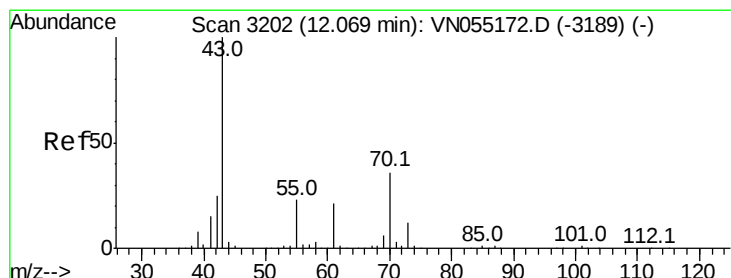
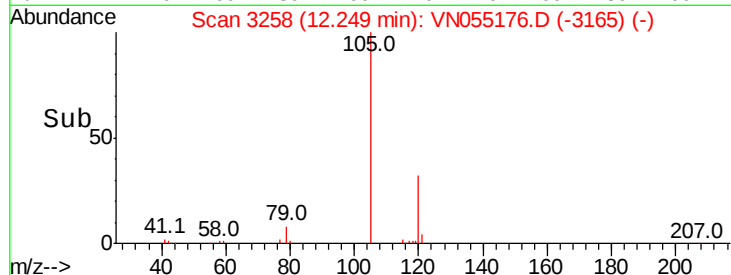
12.25

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 9.915 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Tgt Ion: 43 Resp: 53971

Ion Ratio Lower Upper

43 100

70 37.9 29.0 43.6

55 24.4 18.5 27.7

61 21.8 17.0 25.4

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

50000

12.07

40000

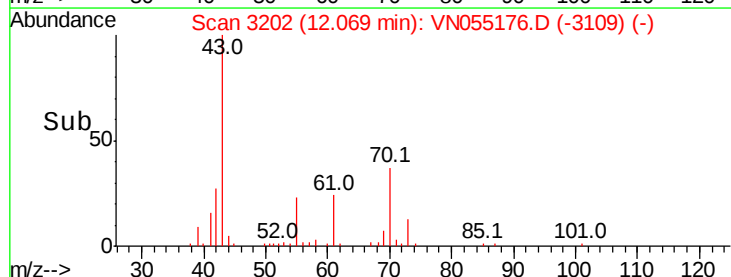
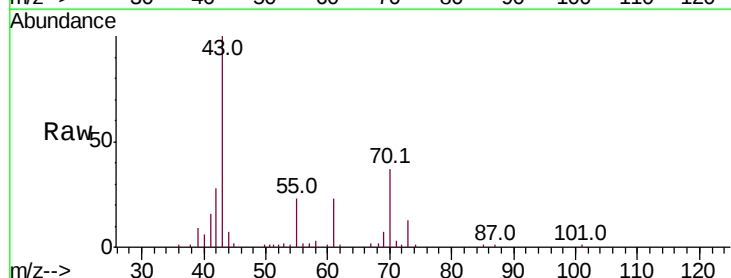
30000

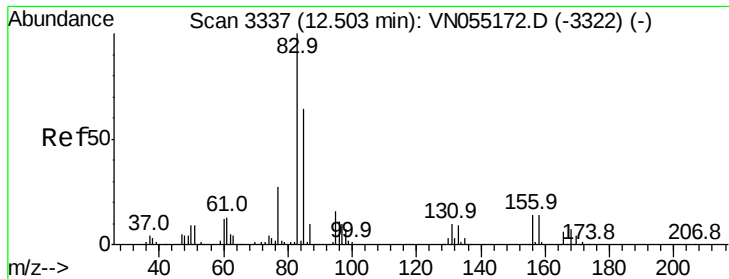
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.282 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

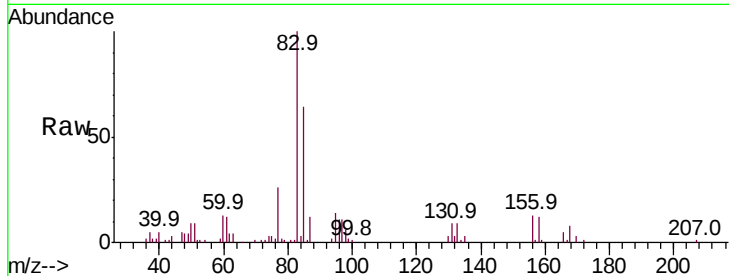
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	55152
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.0	15.0
85	62.5	32.1	96.3

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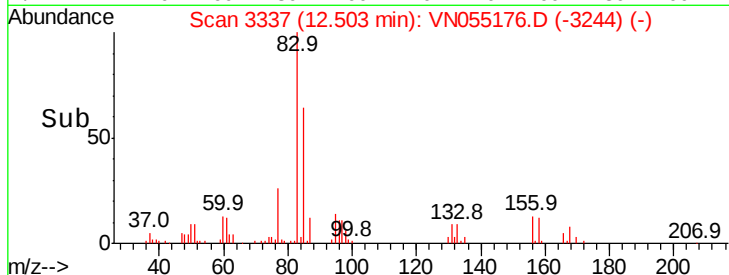


Abundance Ion 82.90 (82.60 to 83.60): VN055176.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055176.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055176.D (-3322) (-)

Time-->

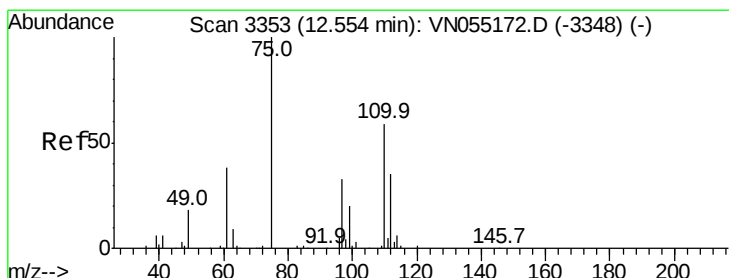


Abundance Ion 82.90 (82.60 to 83.60): VN055176.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN055176.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN055176.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 12.125 ug/l m

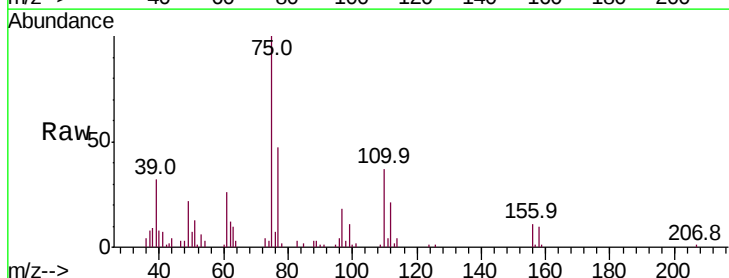
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

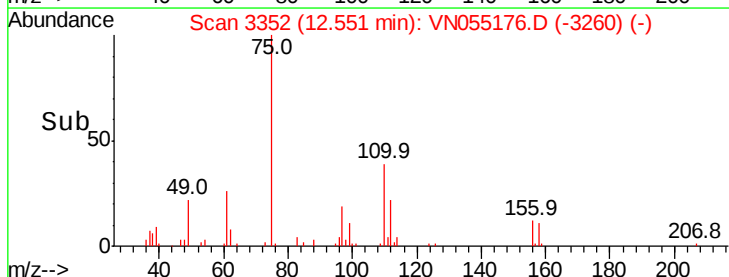
Tgt Ion:	75	Resp:	47978
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055176.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN055176.D (-3352) (-)

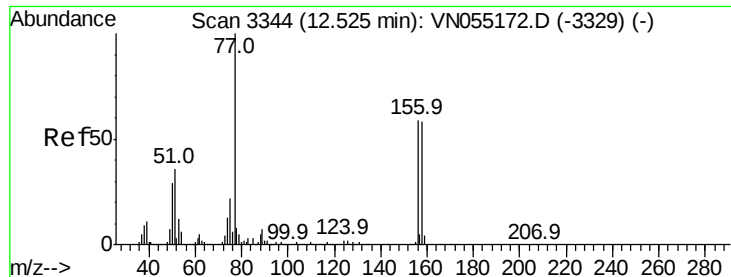
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN055176.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055176.D (-3260) (-)

Time-->



#77

Bromobenzene

Concen: 10.658 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

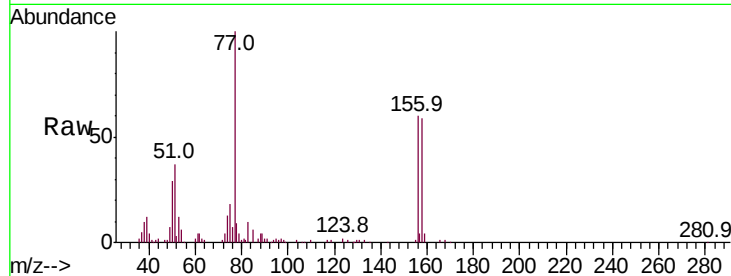
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	49676
Ion Ratio	Lower	Upper	
156	100		
77	193.5	98.0	293.9
158	98.7	48.9	146.8

Manual Integrations
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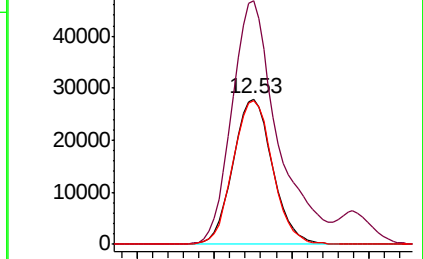
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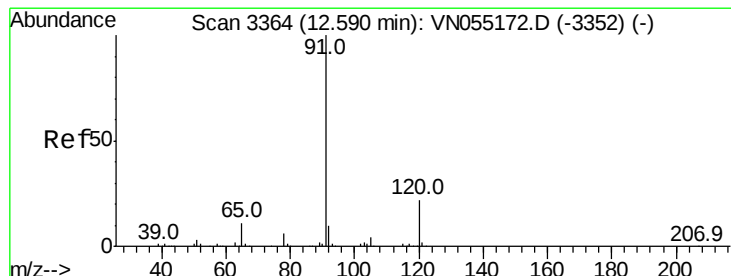
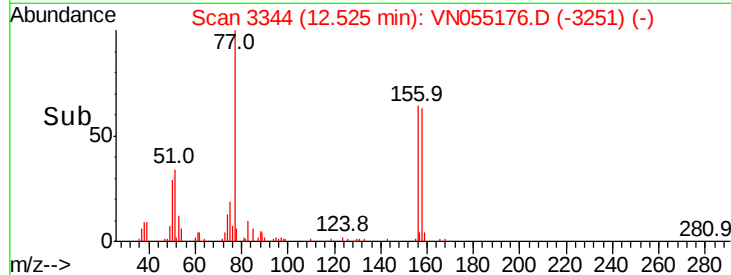
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 10.864 ug/l

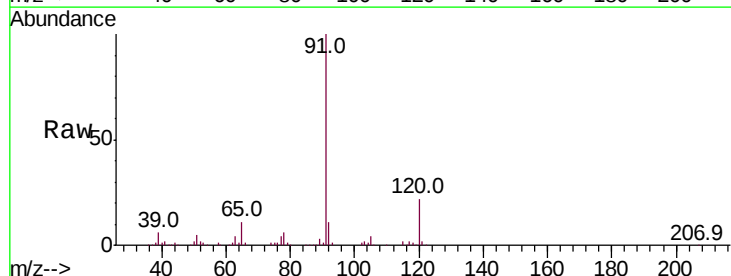
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055176.D

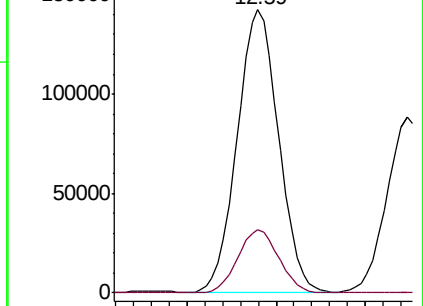
Acq: 22 Apr 2019 12:23

Tgt Ion:	91	Resp:	230036
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.3	33.9

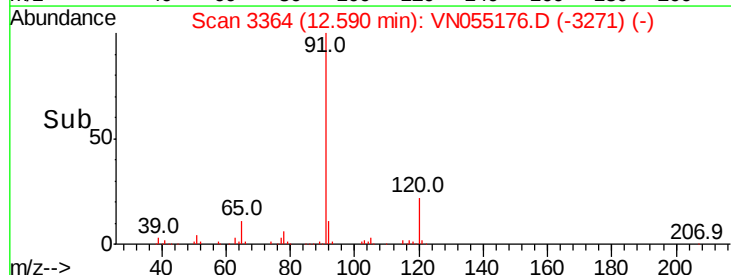


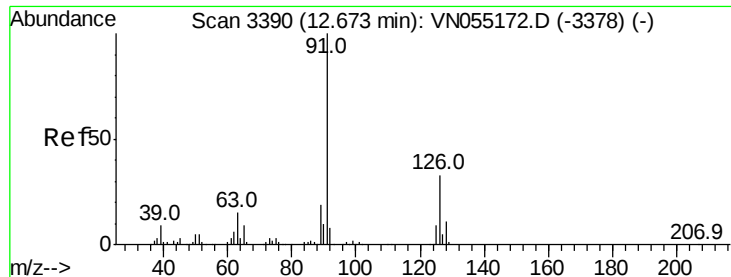
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 10.776 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 144081

Ion Ratio Lower Upper

91 100

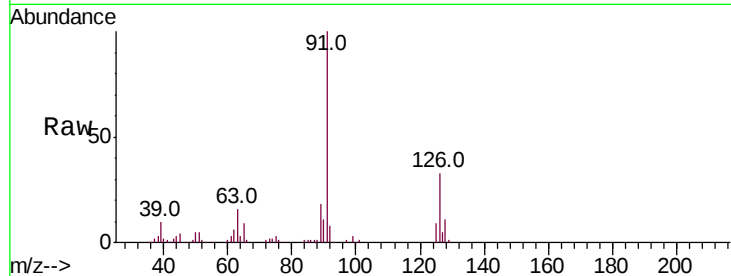
126 32.9 16.8 50.3

Manual Integrations

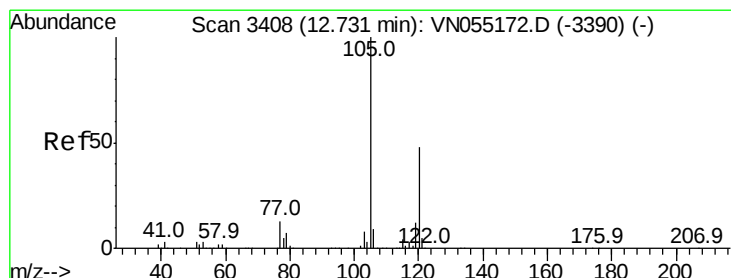
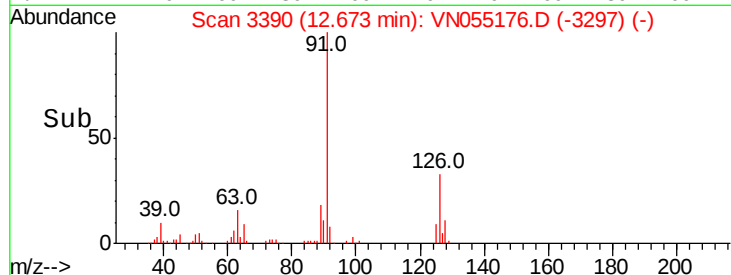
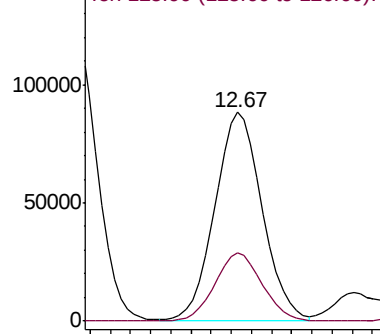
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Abundance Ion 91.00 (90.70 to 91.70): VN055176.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.949 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055176.D

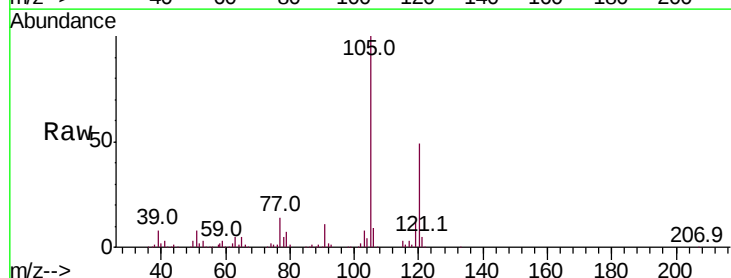
Acq: 22 Apr 2019 12:23

Tgt Ion:105 Resp: 173056

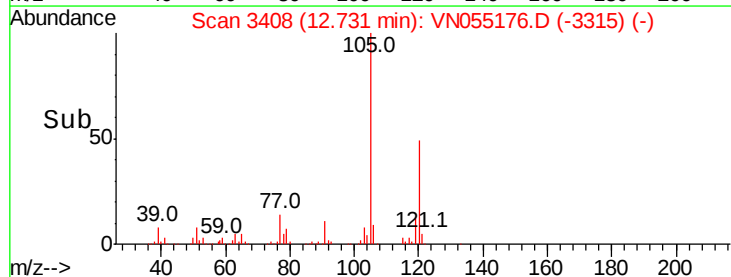
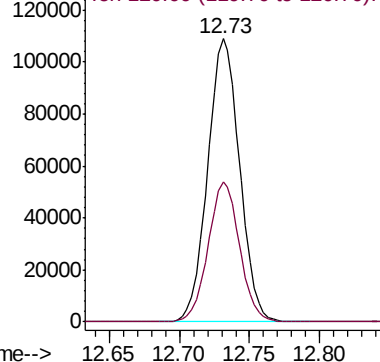
Ion Ratio Lower Upper

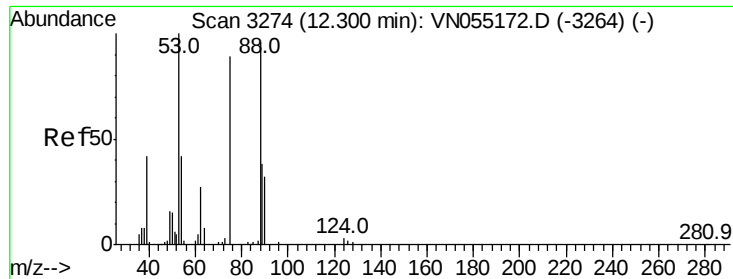
105 100

120 48.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN055176.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 9.402 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

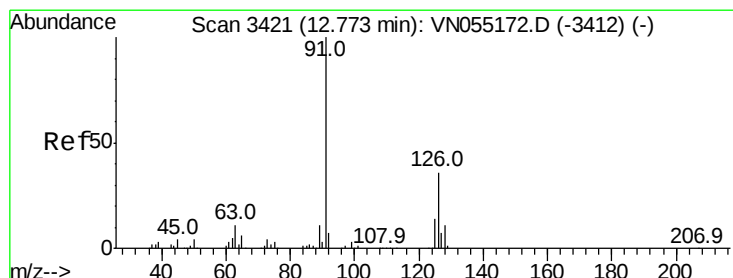
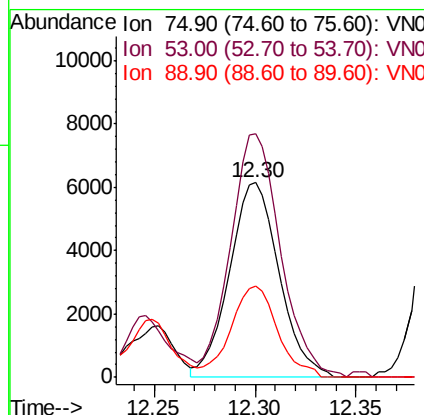
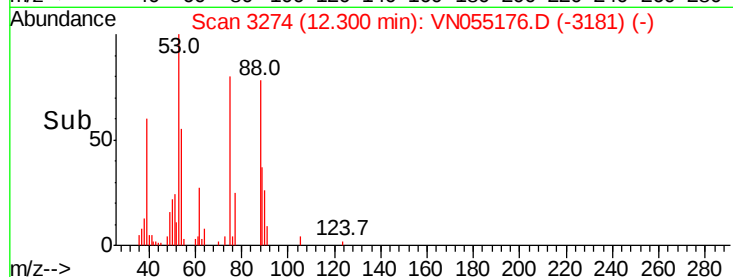
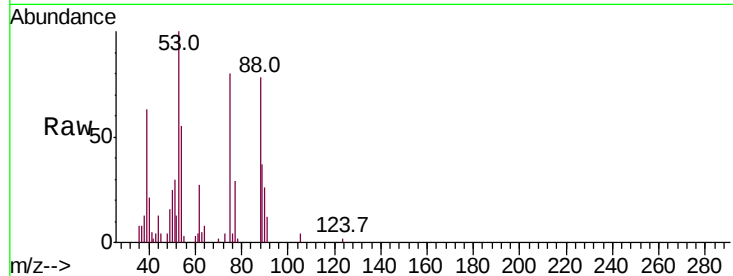
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	10624
Ion	Ratio	Lower	Upper
75	100		
53	125.7	90.1	135.1
89	44.0	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 10.586 ug/l

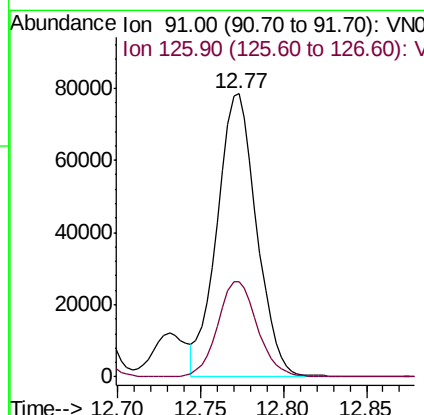
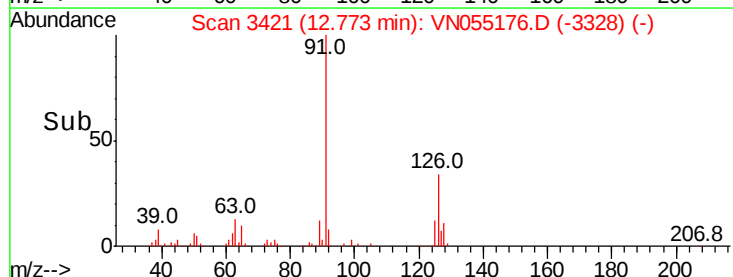
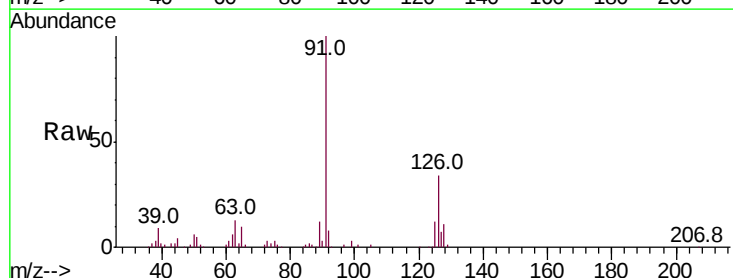
RT: 12.77 min Scan# 3421

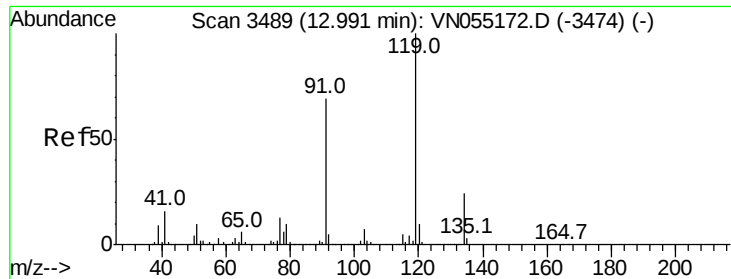
Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Tgt Ion:	91	Resp:	130219
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.5	49.5





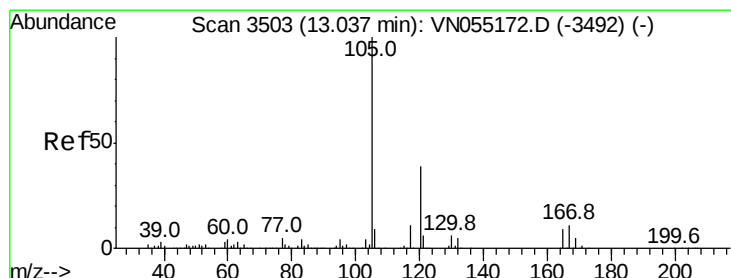
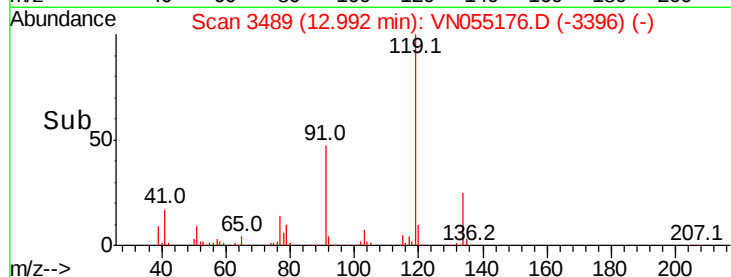
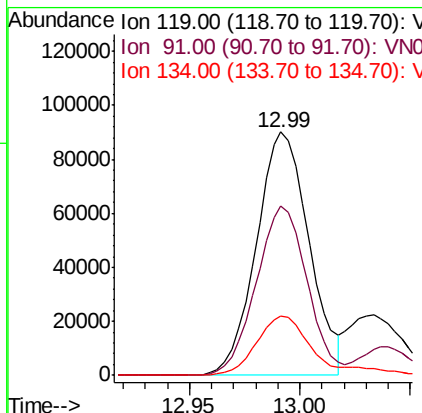
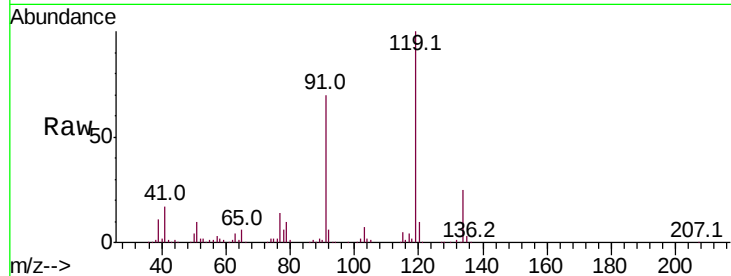
#83
tert-Butylbenzene
Concen: 10.551 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	149183		
91	67.4	33.8	101.3	
134	26.5	13.2	39.5	

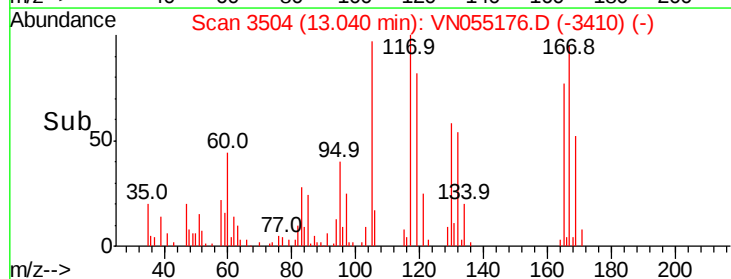
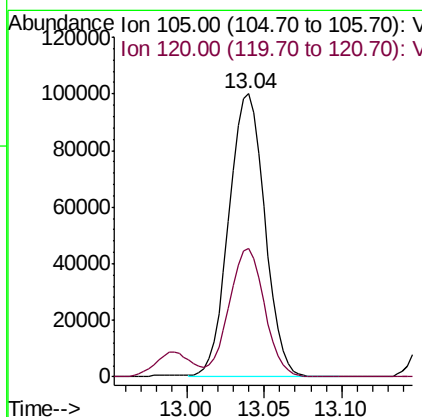
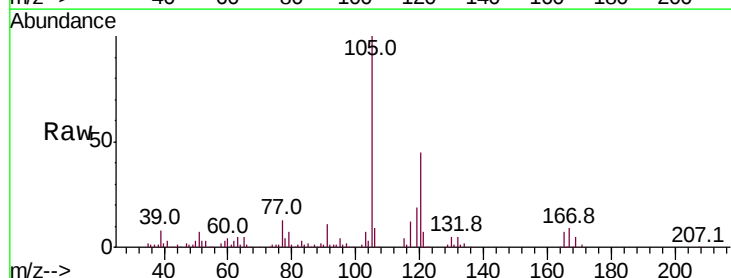
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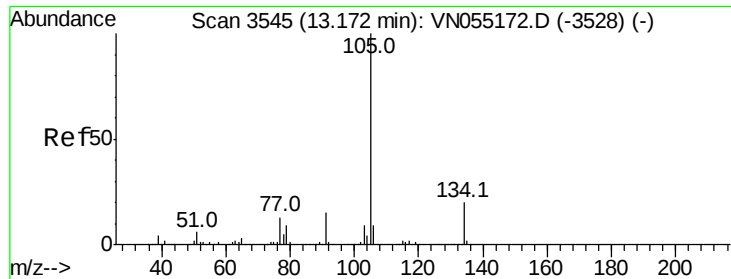
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4/23/2019 1:46:59 PM



#84
1,2,4-Trimethylbenzene
Concen: 10.837 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	161642		
120	44.7	22.7	68.1	





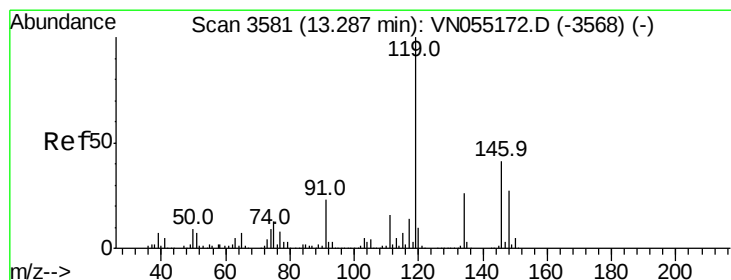
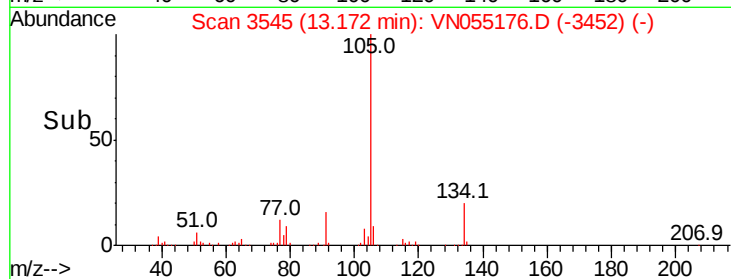
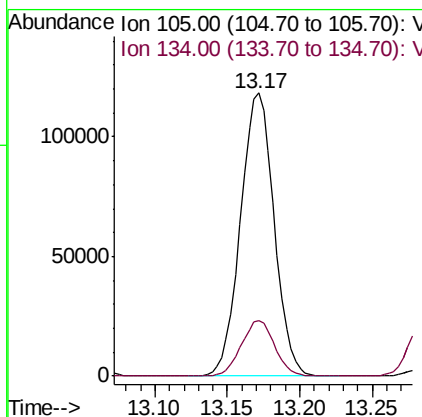
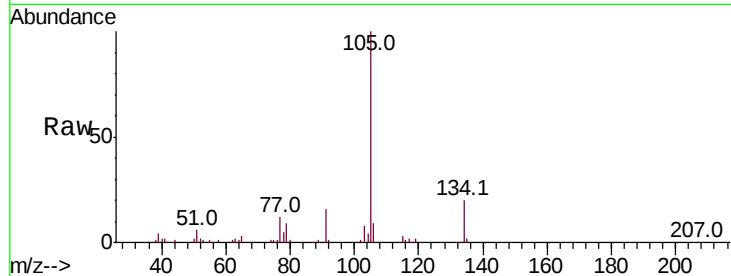
#85
 sec-Butylbenzene
 Concen: 10.653 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	190494		
134	19.6	10.0	30.0	

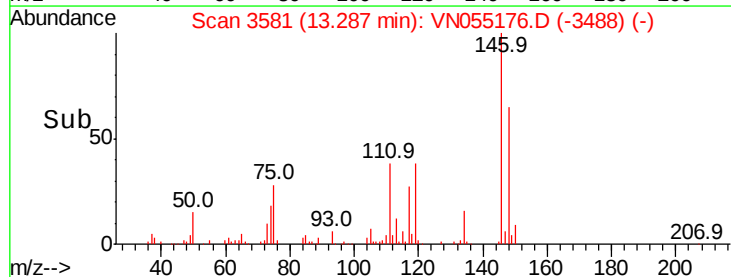
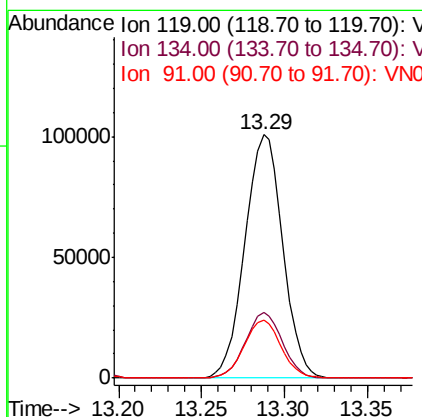
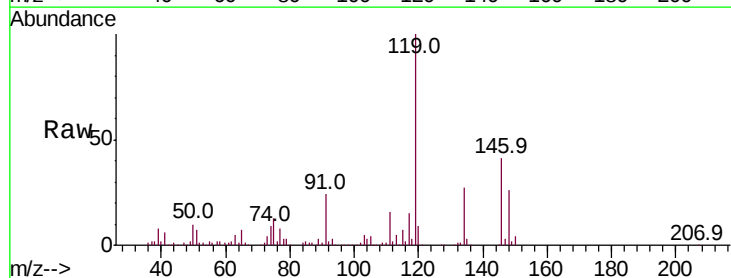
Manual Integrations
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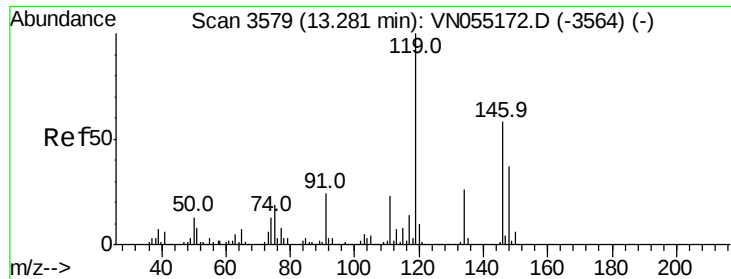
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 4/23/2019 1:46:59 PM



#86
 p-Isopropyltoluene
 Concen: 10.835 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	159621		
134	26.3	13.1	39.3	
91	23.5	11.8	35.3	





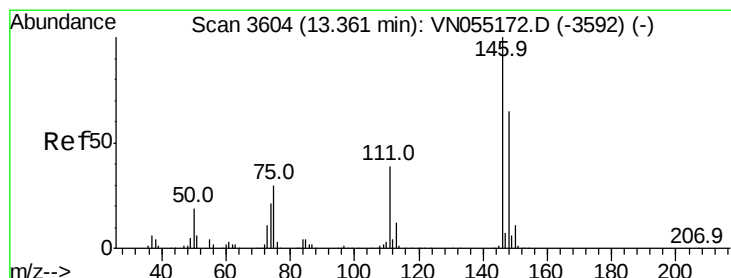
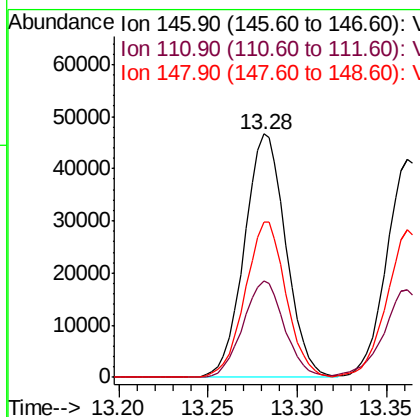
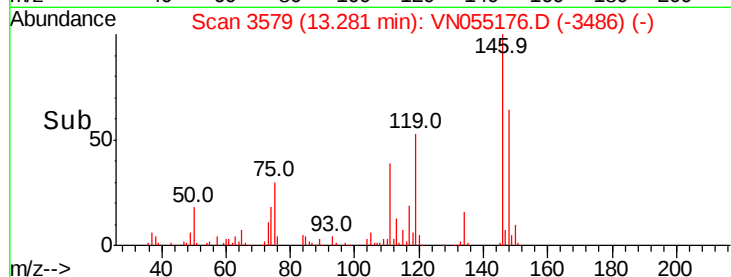
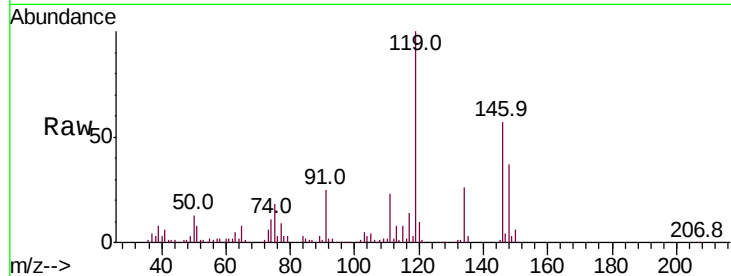
#87
 1,3-Dichlorobenzene
 Concen: 10.629 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	62.9	32.0	96.0

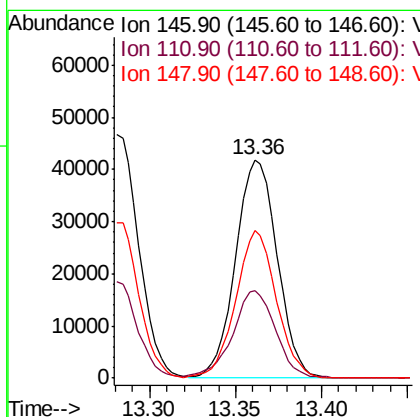
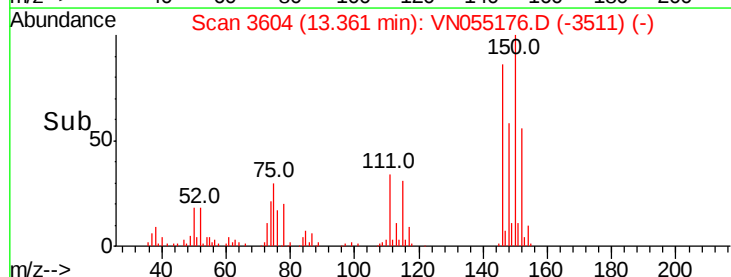
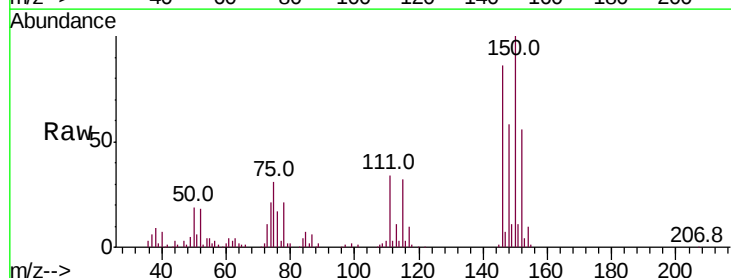
Manual Integrations
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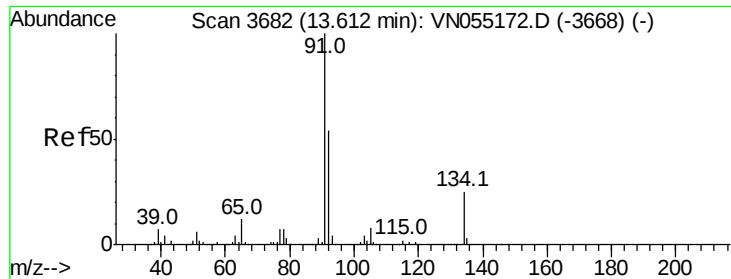
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#88
 1,4-Dichlorobenzene
 Concen: 10.147 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.4	58.2
148	65.8	32.9	98.6





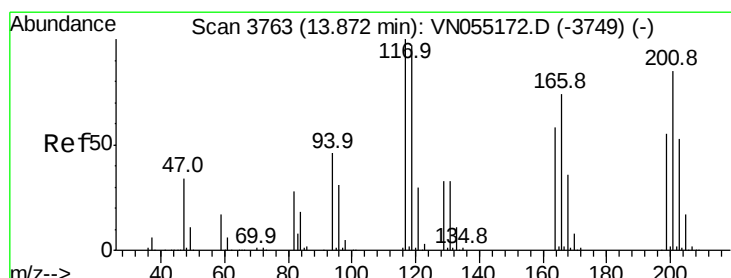
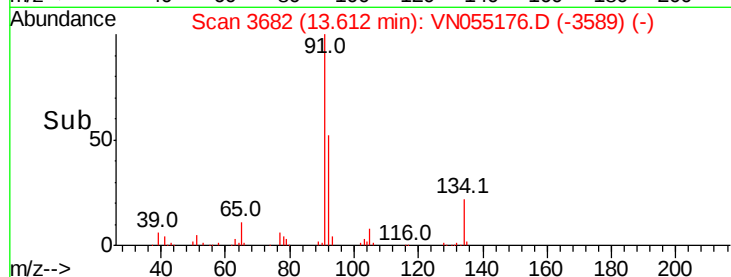
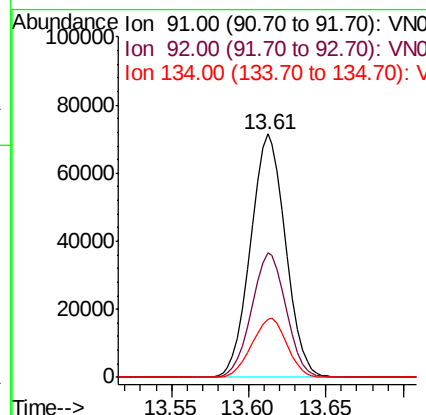
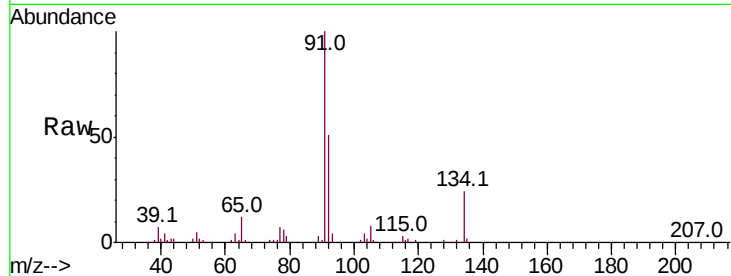
#89
n-Butylbenzene
Concen: 10.340 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.4	79.2
134	24.3	12.8	38.4

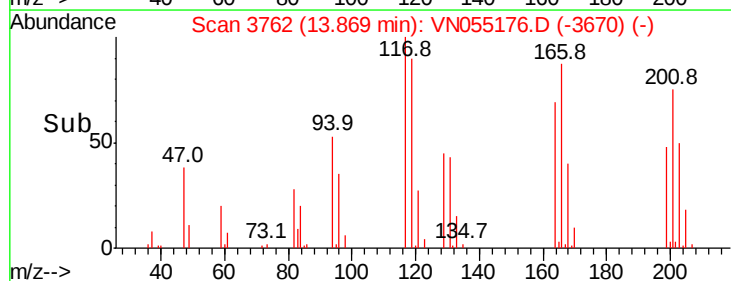
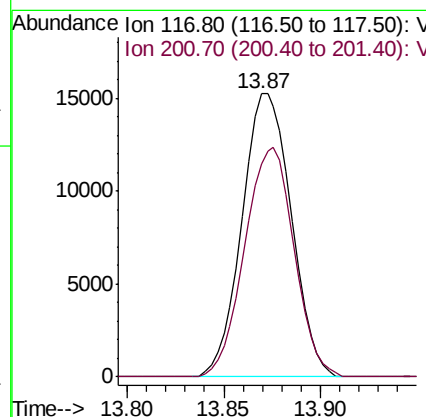
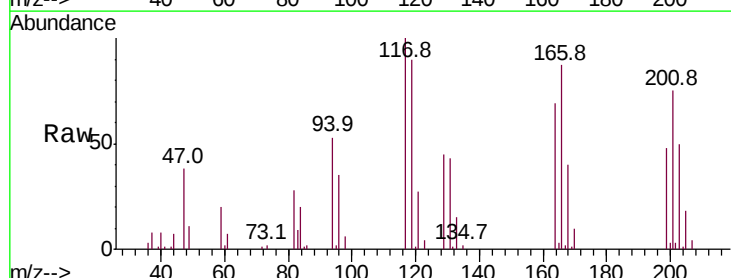
Manual Integrations
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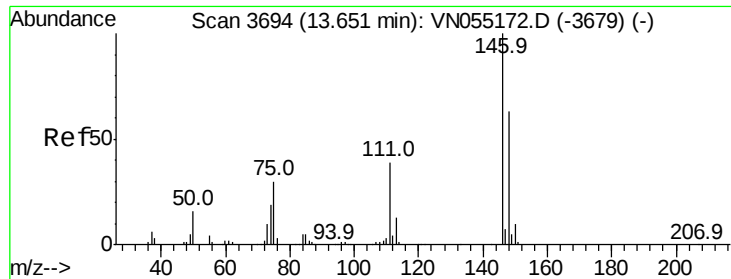
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#90
Hexachloroethane
Concen: 10.342 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	43.1	129.4





#91

1,2-Dichlorobenzene

Concen: 10.497 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Instrument :

MSVOA_N

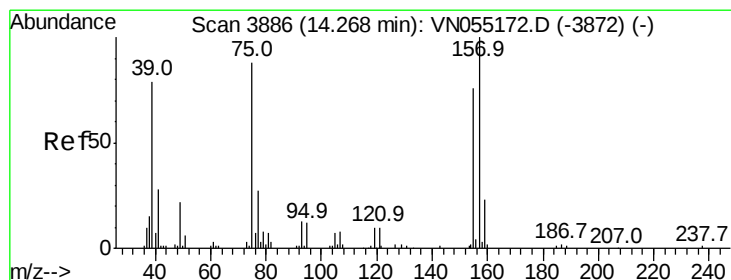
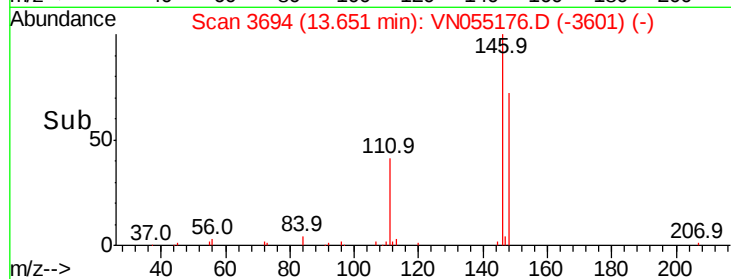
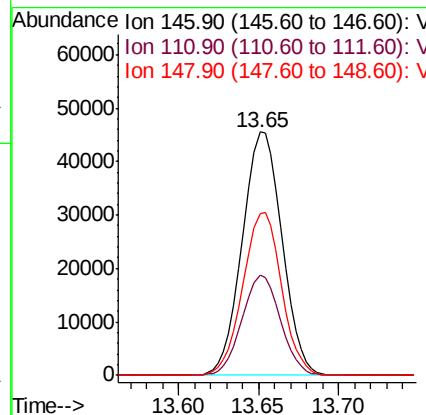
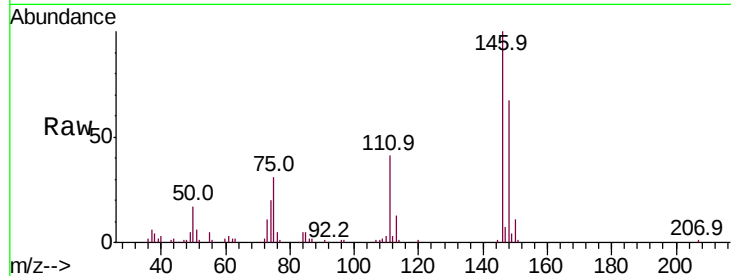
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	77146
Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.3
148	65.0	31.7	95.1

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4/23/2019 1:46:59 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.527 ug/l

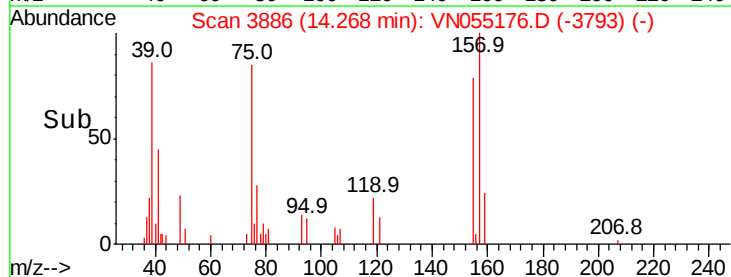
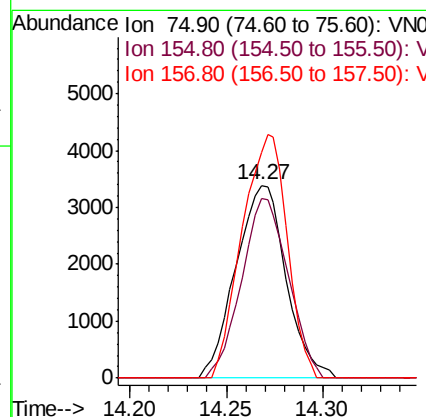
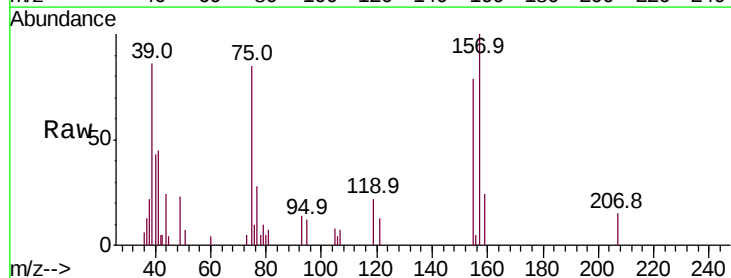
RT: 14.27 min Scan# 3886

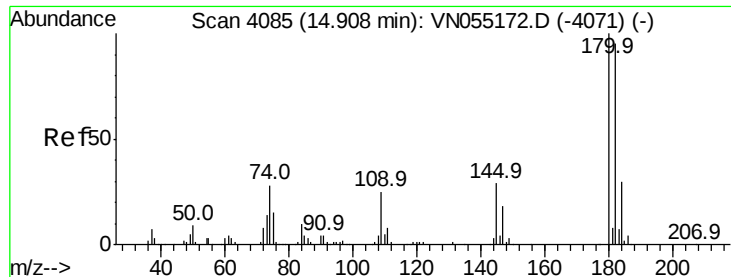
Delta R.T. 0.00 min

Lab File: VN055176.D

Acq: 22 Apr 2019 12:23

Tgt Ion:	75	Resp:	6108
Ion	Ratio	Lower	Upper
75	100		
155	86.7	43.0	129.0
157	113.6	55.7	167.1





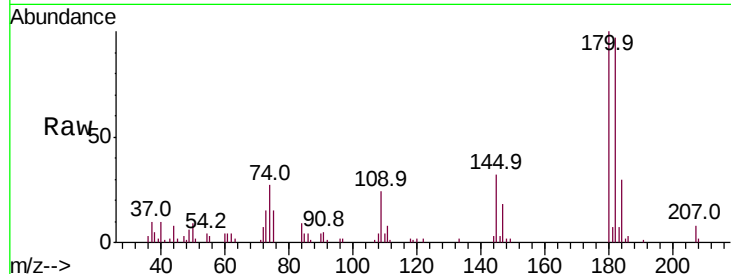
#93
 1,2,4-Trichlorobenzene
 Concen: 9.002 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

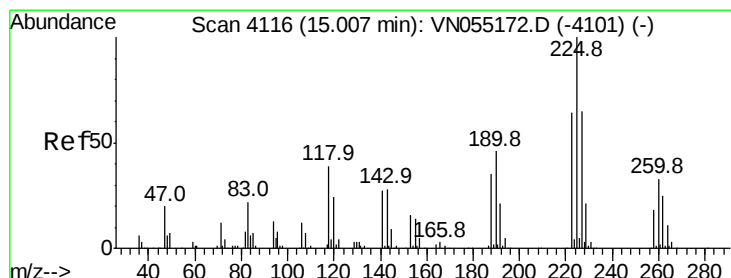
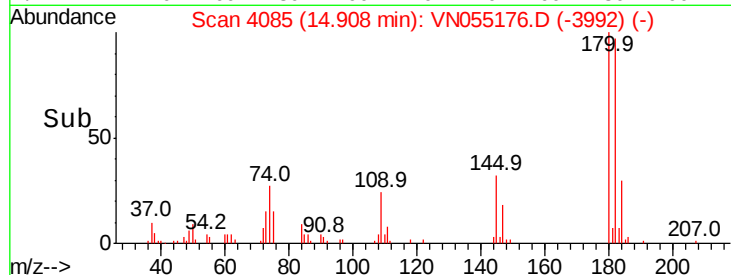
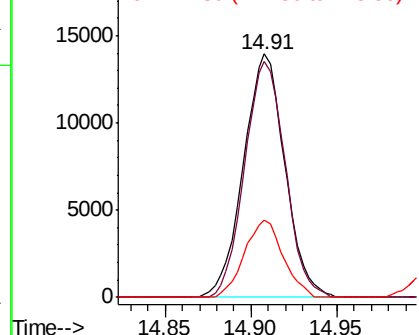
Tot Ion:	180	Resp:	23356
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.8	143.4
145	29.7	14.5	43.5

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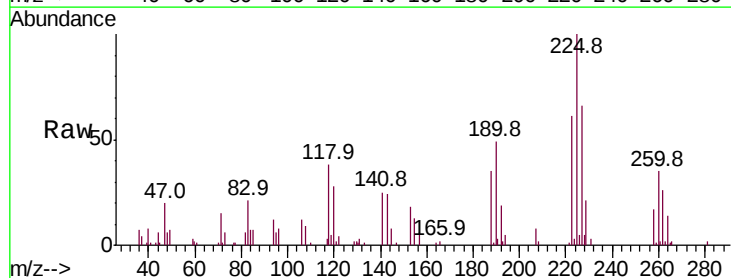


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

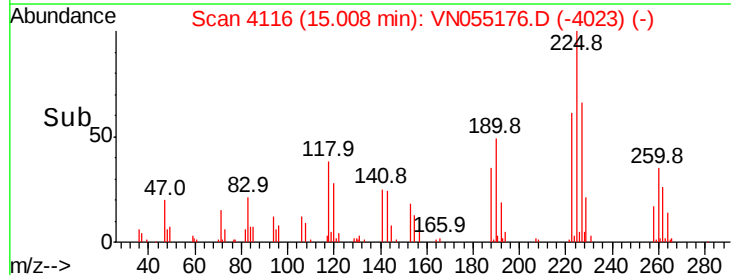
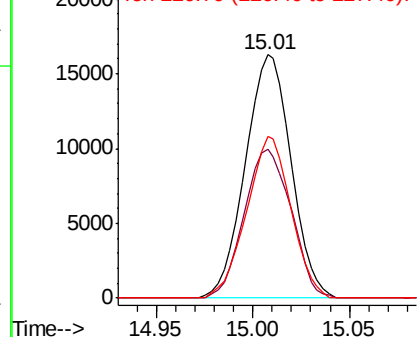


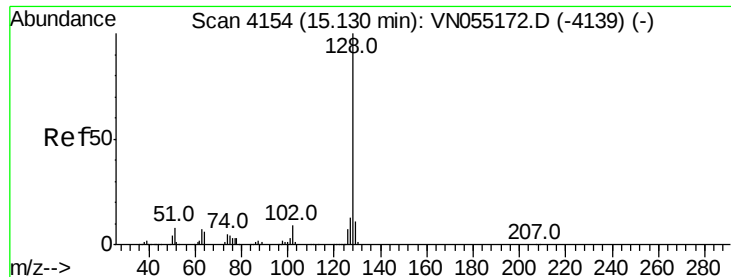
#94
 Hexachlorobutadiene
 Concen: 10.189 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055176.D
 Acq: 22 Apr 2019 12:23

Tgt Ion:	225	Resp:	26801
Ion Ratio	Lower	Upper	
225	100		
223	62.6	32.2	96.6
227	64.1	32.6	98.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





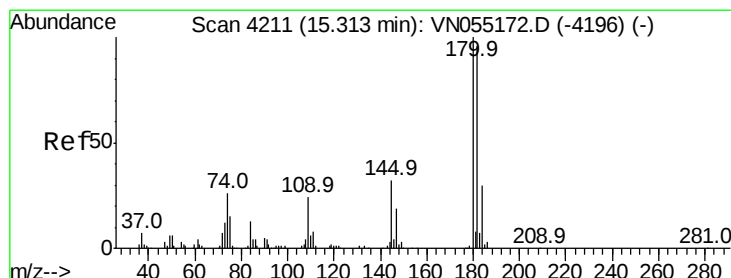
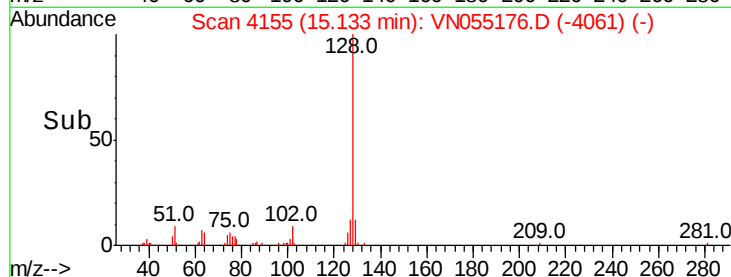
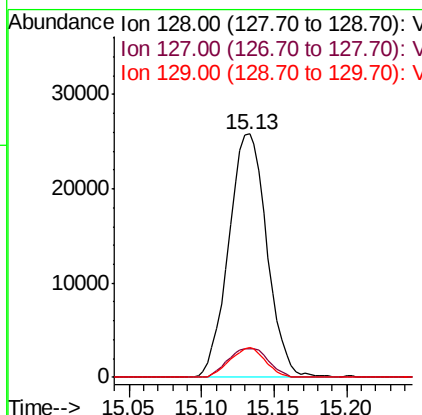
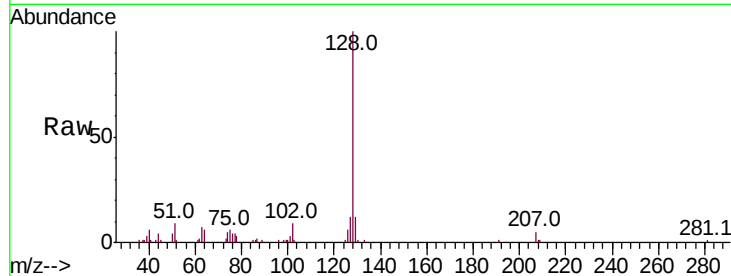
#95
Naphthalene
Concen: 8.609 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	11.1	8.8	13.2

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4/23/2019 1:46:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 8.907 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055176.D
Acq: 22 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	47.2	141.6
145	30.7	15.4	46.1

