

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055170.D
 Acq On : 22 Apr 2019 9:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:46:27 PM

Quant Time: Apr 23 05:10:11 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	422794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	700650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	591265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	190524	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	29975	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
35) Dibromofluoromethane	7.59	113	23459	4.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.34%	
50) Toluene-d8	10.09	98	85760	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
62) 4-Bromofluorobenzene	12.40	95	24627	4.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	22396	4.114	ug/l	98
3) Chloromethane	2.06	50	31082	4.660	ug/l	98
4) Vinyl Chloride	2.19	62	26413	4.942	ug/l	98
5) Bromomethane	2.56	94	15048	4.855	ug/l	93
6) Chloroethane	2.71	64	14849	5.138	ug/l	99
7) Trichlorofluoromethane	3.02	101	36933	5.078	ug/l	86
8) Diethyl Ether	3.41	74	13356	5.144	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	23110	5.092	ug/l	99
10) Methyl Iodide	3.95	142	29781	4.884	ug/l #	76
11) Tert butyl alcohol	4.79	59	8448	25.733	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	21743	4.999	ug/l	92
13) Acrolein	3.61	56	7400	16.554	ug/l	88
14) Allyl chloride	4.33	41	45196	5.256	ug/l #	85
15) Acrylonitrile	4.99	53	47073	25.691	ug/l	99
16) Acetone	3.82	43	45342	23.968	ug/l	98
17) Carbon Disulfide	4.05	76	55752	4.585	ug/l	100
18) Methyl Acetate	4.33	43	27336	5.236	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	60498	5.030	ug/l	95
20) Methylene Chloride	4.55	84	28458	5.233	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	23385	5.127	ug/l	96
22) Diisopropyl ether	5.96	45	88133	5.142	ug/l	97
23) Vinyl Acetate	5.90	43	270845	23.514	ug/l	100
24) 1,1-Dichloroethane	5.85	63	47216	5.121	ug/l	98
25) 2-Butanone	6.84	43	59746	24.462	ug/l	98
26) 2,2-Dichloropropane	6.82	77	30381	4.869	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	26683	5.075	ug/l	96
28) Bromochloromethane	7.19	49	22913	4.875	ug/l	99
29) Tetrahydrofuran	7.22	42	38921	25.354	ug/l	99
30) Chloroform	7.37	83	46809	5.337	ug/l	99
31) Cyclohexane	7.66	56	49684	4.693	ug/l #	76
32) 1,1,1-Trichloroethane	7.57	97	36042	5.115	ug/l	98
36) 1,1-Dichloropropene	7.80	75	31575	4.855	ug/l	97
37) Ethyl Acetate	6.93	43	25841	4.756	ug/l #	95
38) Carbon Tetrachloride	7.77	117	31165	4.796	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	37081	4.780	ug/l	94
40) Benzene	8.04	78	99903	4.977	ug/l	98
41) Methacrylonitrile	7.17	41	13825	5.161	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	36022	5.143	ug/l	99
43) Isopropyl Acetate	8.17	43	42649	5.018	ug/l #	86
44) Trichloroethene	8.83	130	25259	4.978	ug/l	98
45) 1,2-Dichloropropane	9.12	63	28201	4.977	ug/l	97
46) Dibromomethane	9.21	93	16124	4.971	ug/l	98
47) Bromodichloromethane	9.40	83	32798	5.051	ug/l #	96
48) Methyl methacrylate	9.20	41	17960	4.357	ug/l	94
49) 1,4-Dioxane	9.20	88	4794	100.698	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	119291	24.393	ug/l	98
52) Toluene	10.16	92	57228	4.863	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	26743	4.487	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	34408	4.653	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	21338	4.918	ug/l	97
56) Ethyl methacrylate	10.43	69	24309	4.498	ug/l	91
57) 1,3-Dichloropropane	10.71	76	37066	4.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	38867	22.304	ug/l	99
59) 2-Hexanone	10.75	43	70648	22.871	ug/l	100
60) Dibromochloromethane	10.90	129	22249	4.979	ug/l	100
61) 1,2-Dibromoethane	11.00	107	19747	4.841	ug/l	100
64) Tetrachloroethene	10.63	164	26338	5.460	ug/l	96
65) Chlorobenzene	11.43	112	59529	4.933	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	22753	5.087	ug/l	97
67) Ethyl Benzene	11.51	91	106035	4.932	ug/l	98
68) m/p-Xylenes	11.62	106	73963	9.593	ug/l	98
69) o-Xylene	11.95	106	38699	5.058	ug/l	96
70) Styrene	11.96	104	56647	4.776	ug/l	99
71) Bromoform	12.13	173	12029	4.507	ug/l #	95
73) Isopropylbenzene	12.25	105	99578	5.444	ug/l	99
74) N-amyl acetate	12.07	43	23696	4.824	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	26082	5.389	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	21379m	5.988	ug/l	
77) Bromobenzene	12.53	156	22089	5.252	ug/l	95
78) n-propylbenzene	12.59	91	100208	5.245	ug/l	100
79) 2-Chlorotoluene	12.67	91	64757	5.367	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	76775	5.383	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	4998	4.902	ug/l #	93
82) 4-Chlorotoluene	12.77	91	57268	5.159	ug/l	98
83) tert-Butylbenzene	12.99	119	70387	5.516	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	68584	5.096	ug/l	99
85) sec-Butylbenzene	13.17	105	84370	5.229	ug/l	100
86) p-Isopropyltoluene	13.29	119	67899	5.108	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	32665	5.059	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	30824	4.903	ug/l	96
89) n-Butylbenzene	13.61	91	46240	4.693	ug/l	94
90) Hexachloroethane	13.87	117	12049	5.111	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	34094	5.141	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	2996	5.179	ug/l	89

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ALS Vial : 3 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
VSTDICC005

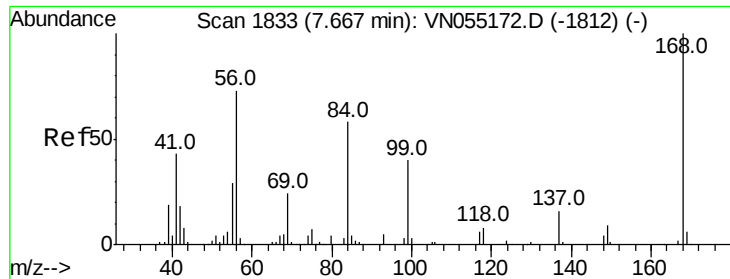
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	8524	3.641	ug/l	97
94) Hexachlorobutadiene	15.01	225	11885	5.007	ug/l	98
95) Naphthalene	15.13	128	18153	3.670	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	9386	3.853	ug/l	97

(#) = 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: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 422794

Ion Ratio Lower Upper

168 100

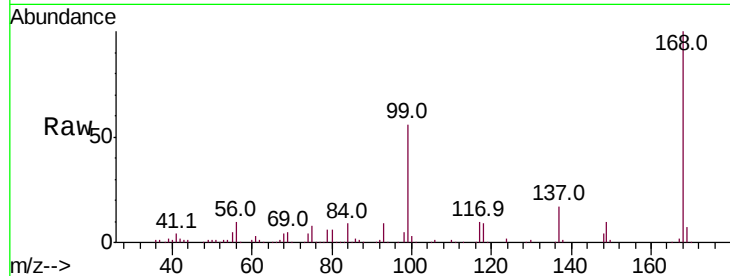
99 54.4 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

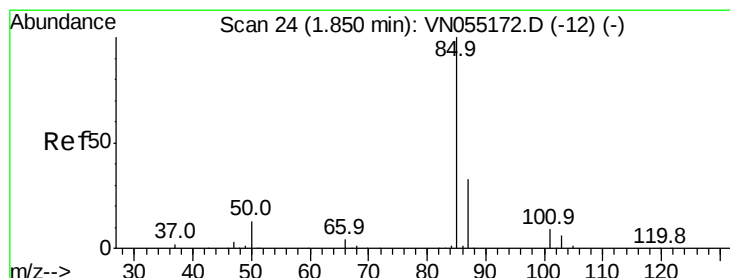
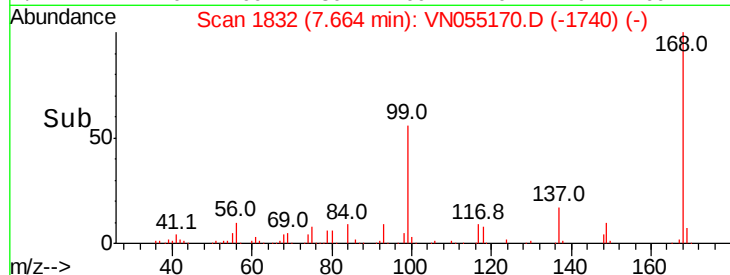
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 4.114 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055170.D

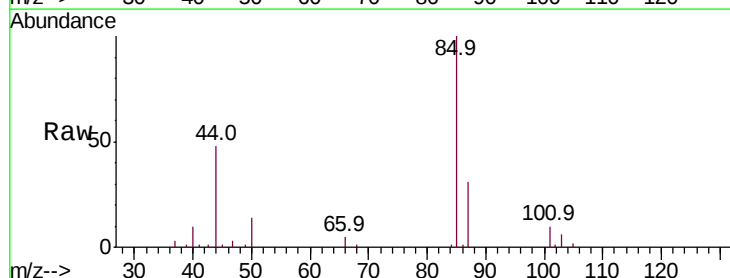
Acq: 22 Apr 2019 9:47

Tgt Ion: 85 Resp: 22396

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

15000

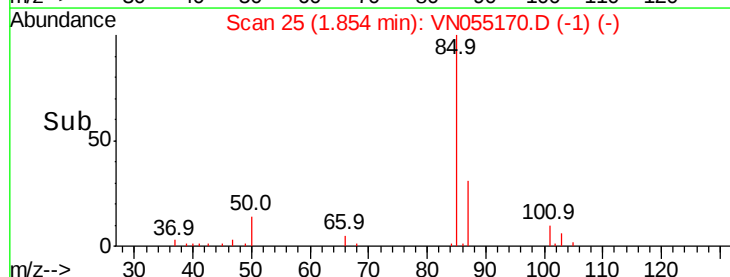
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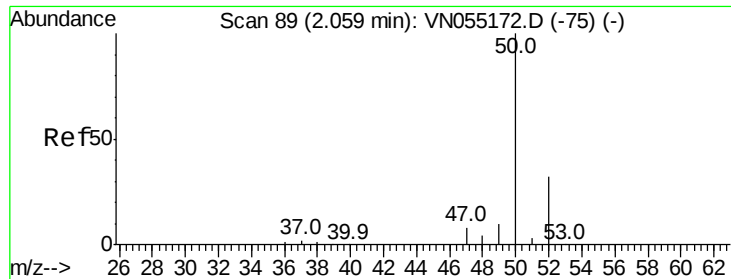
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 4.660 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 31082

Ion Ratio Lower Upper

50 100

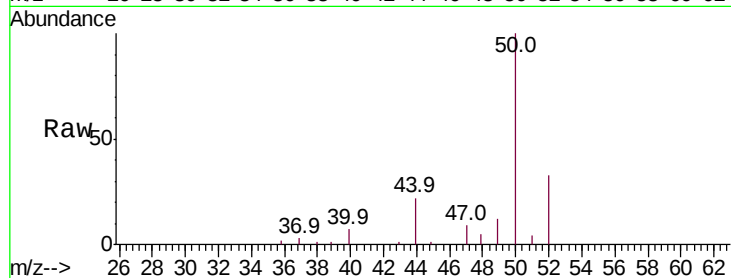
52 33.5 25.8 38.6

Manual Integrations

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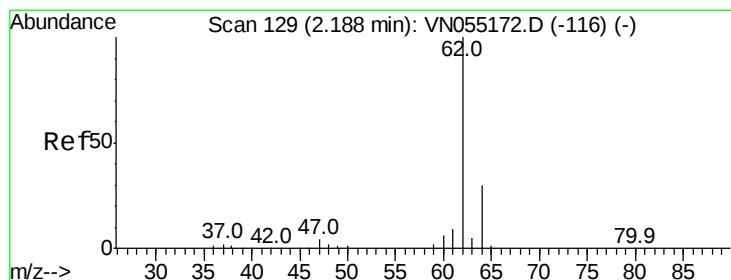
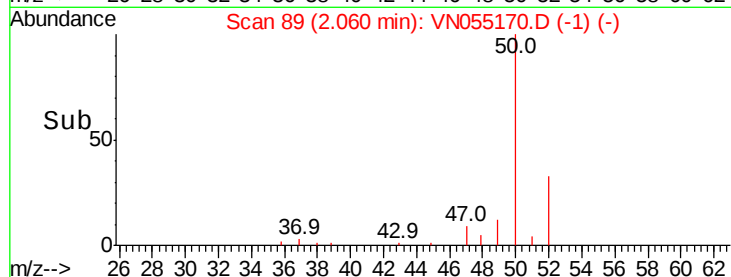
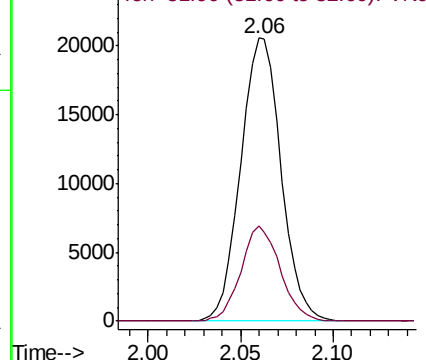
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 4.942 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055170.D

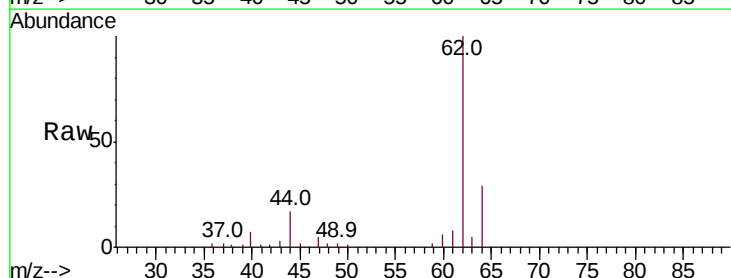
Acq: 22 Apr 2019 9:47

Tgt Ion: 62 Resp: 26413

Ion Ratio Lower Upper

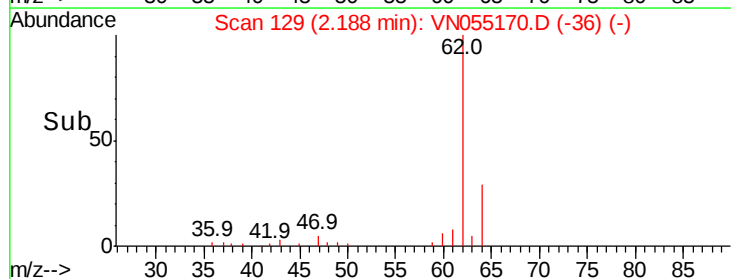
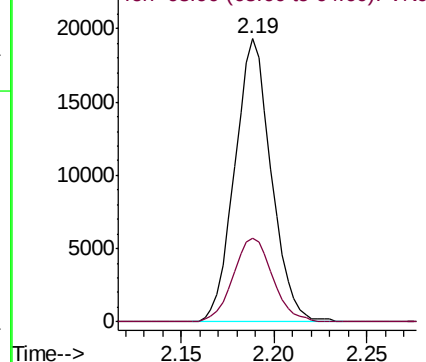
62 100

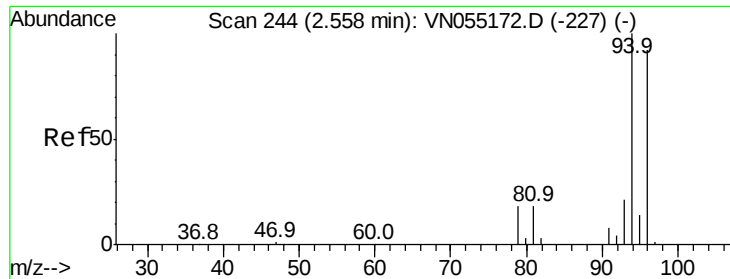
64 29.4 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 4.855 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 15048

Ion Ratio Lower Upper

94 100

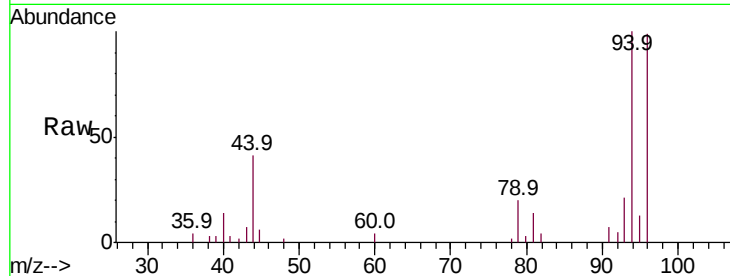
96 98.8 73.4 110.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN055170.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VN055170.D (-227) (-)

2.56

8000

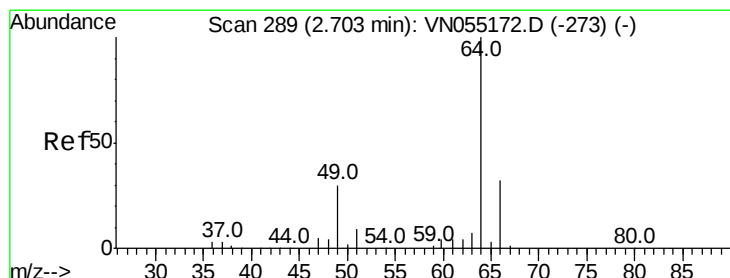
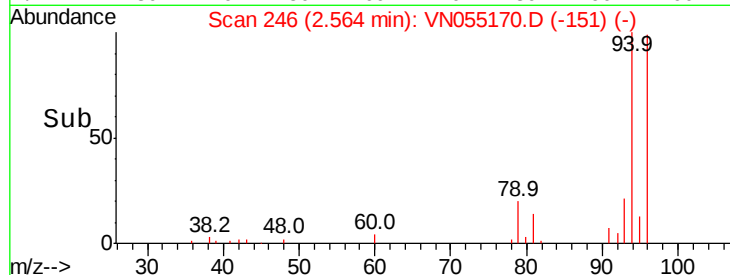
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 5.138 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055170.D

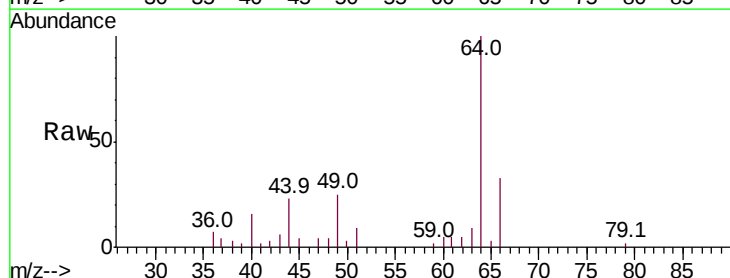
Acq: 22 Apr 2019 9:47

Tgt Ion: 64 Resp: 14849

Ion Ratio Lower Upper

64 100

66 32.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN055170.D (-273) (-)

Ion 65.90 (65.60 to 66.60): VN055170.D (-273) (-)

2.71

8000

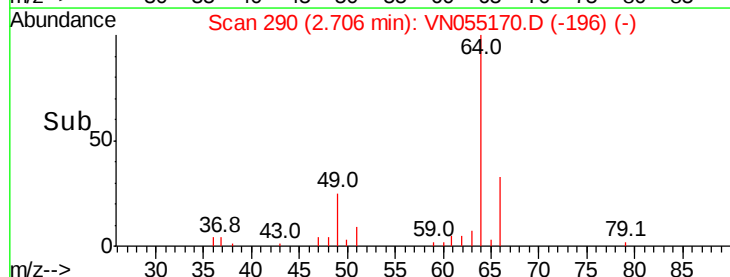
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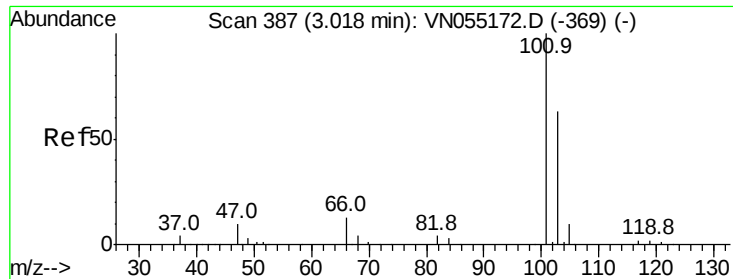
4000

2000

0

Time-->





#7

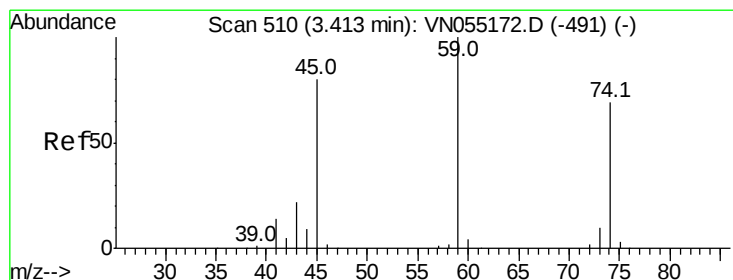
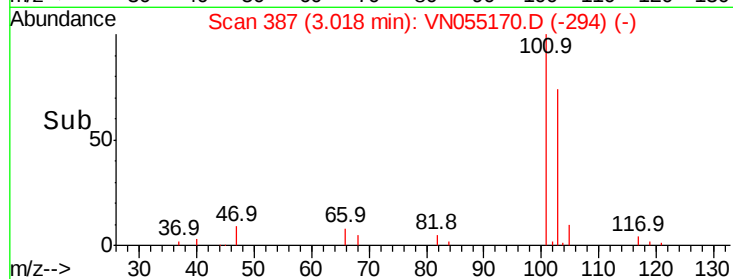
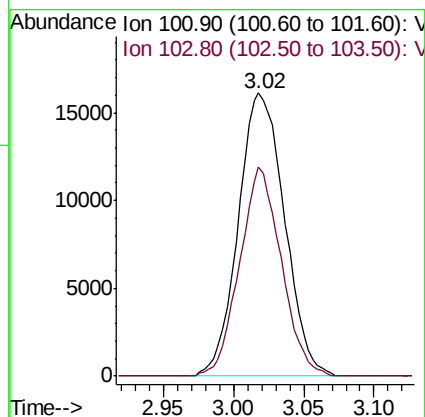
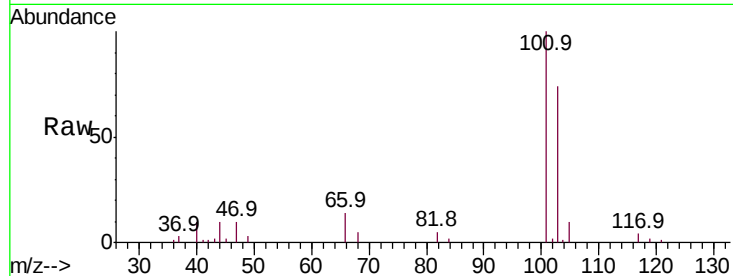
Trichlorofluoromethane
 Concen: 5.078 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:101 Resp: 36933
 Ion Ratio Lower Upper
 101 100
 103 73.7 50.1 75.1

Manual Integrations
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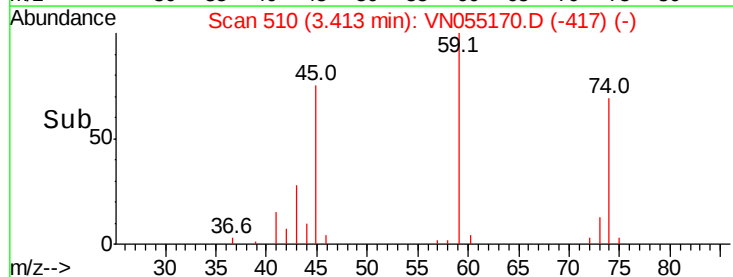
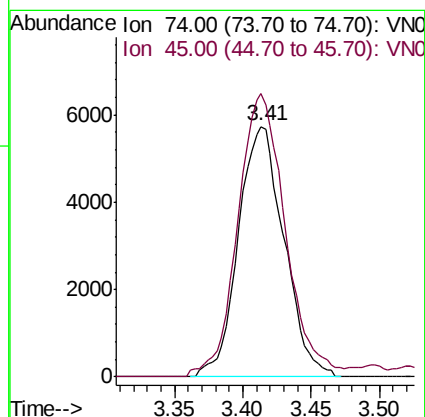
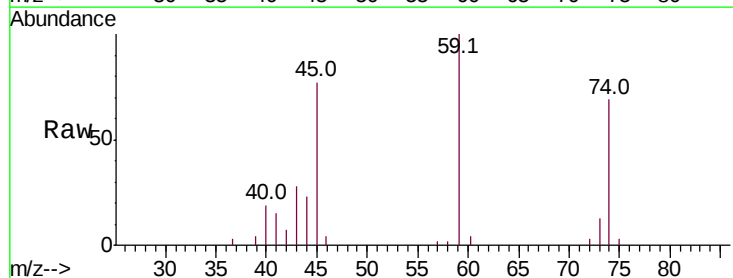
MMDadoda
 4/23/2019 1:46:27 PM

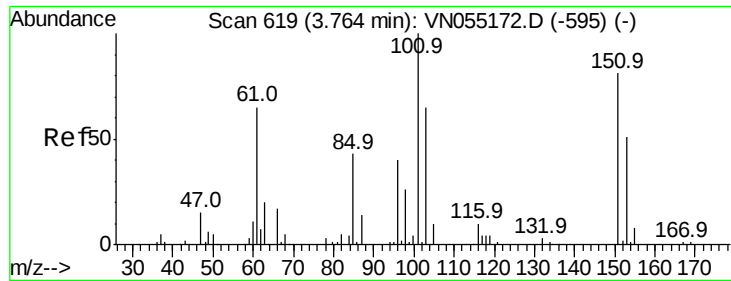


#8

Diethyl Ether
 Concen: 5.144 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Tgt Ion: 74 Resp: 13356
 Ion Ratio Lower Upper
 74 100
 45 117.9 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.092 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

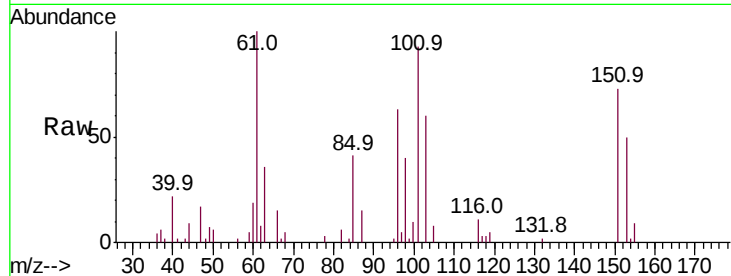
ClientSampleId :

VSTDIC005

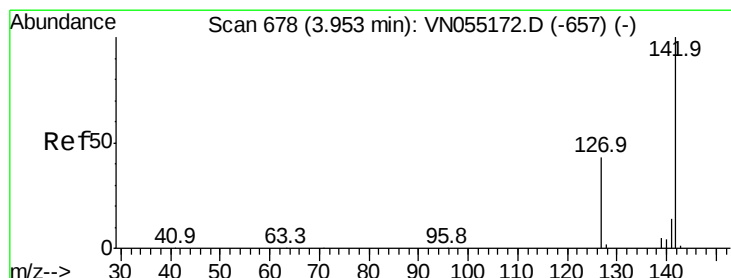
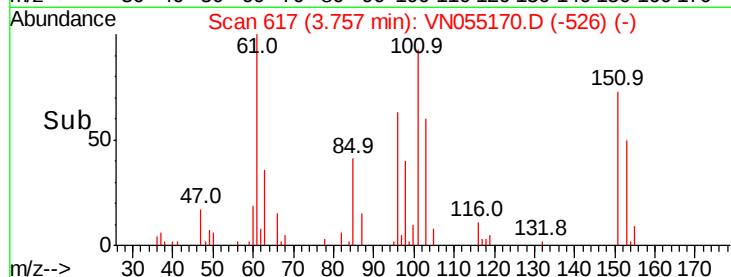
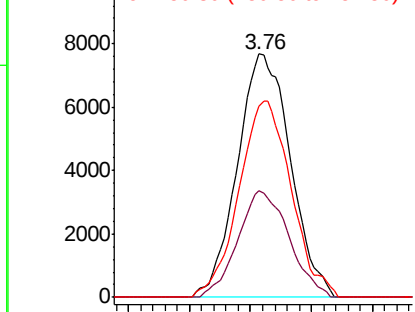
Tot Ion:	101	Resp:	23110
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.9	52.3
151	79.4	63.8	95.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.884 ug/l

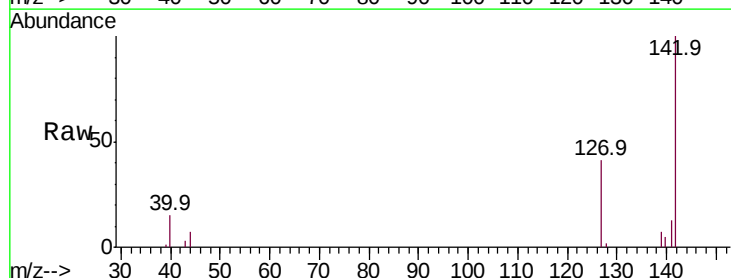
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

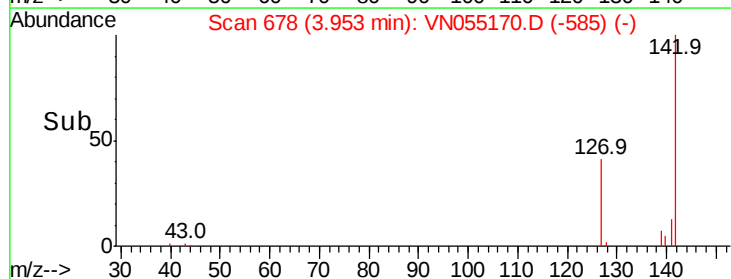
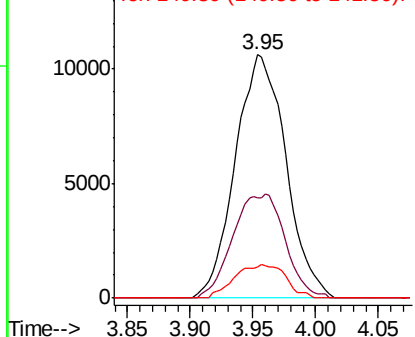
Lab File: VN055170.D

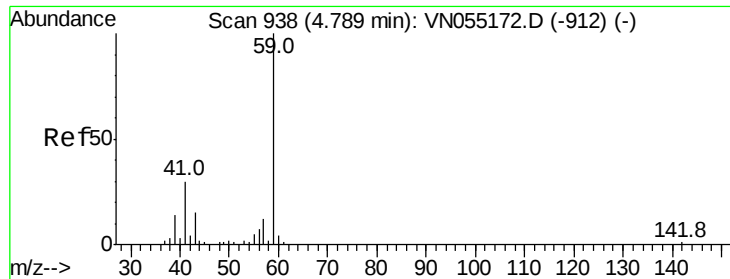
Acq: 22 Apr 2019 9:47

Tgt Ion:	142	Resp:	29781
Ion Ratio	Lower	Upper	
142	100		
127	22.4	34.1	51.1#
141	13.9	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





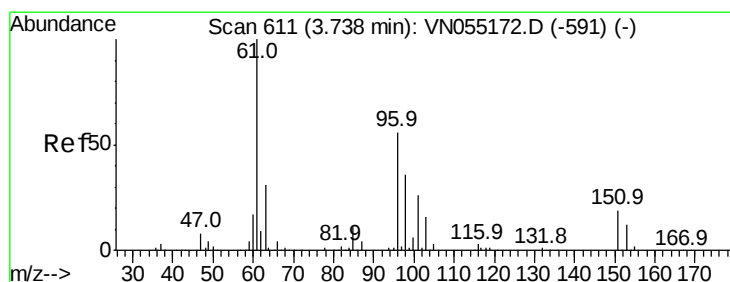
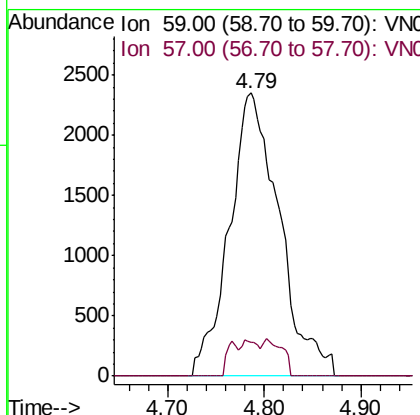
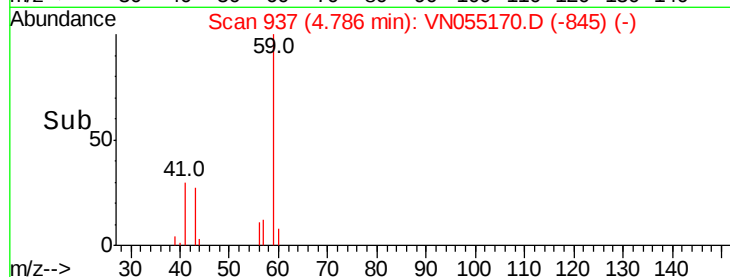
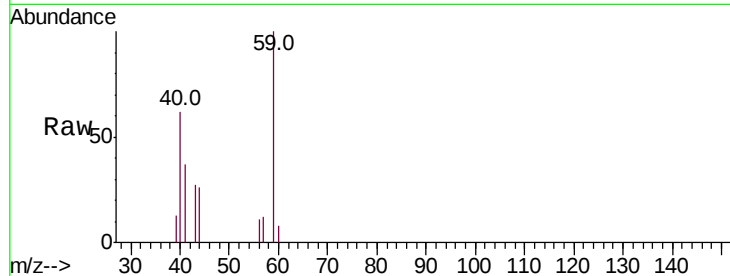
#11
Tert butyl alcohol
Concen: 25.733 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 59 Resp: 8448
Ion Ratio Lower Upper
59 100
57 5.2 8.8 13.2#

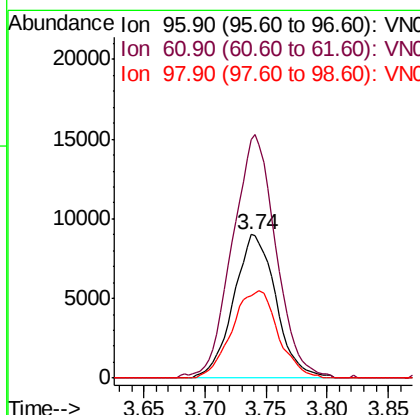
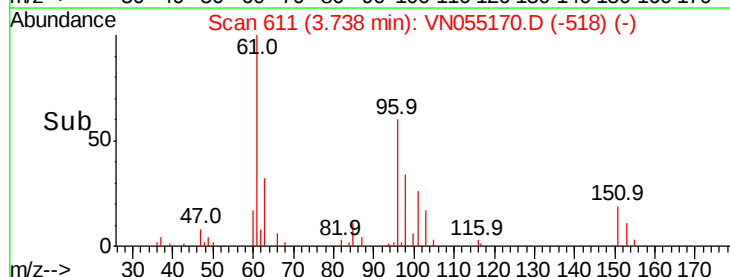
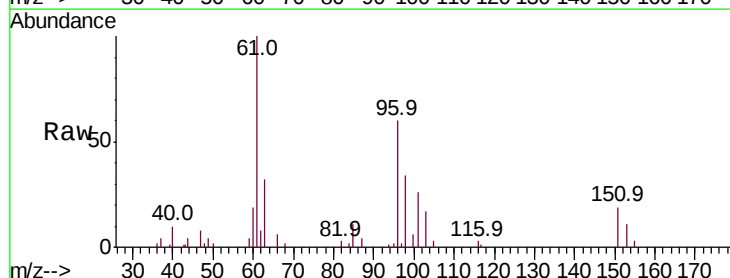
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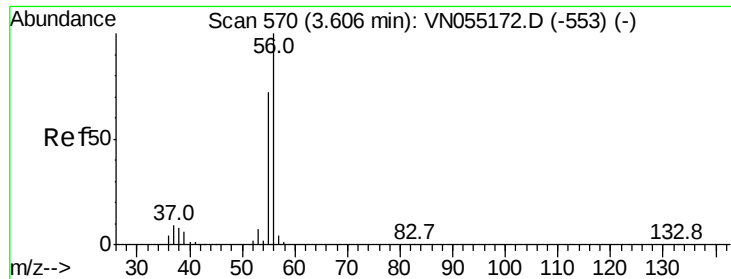
MMDadoda
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#12
1,1-Dichloroethene
Concen: 4.999 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Tgt Ion: 96 Resp: 21743
Ion Ratio Lower Upper
96 100
61 166.8 142.1 213.1
98 57.4 51.2 76.8





#13

Acrolein

Concen: 16.554 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7400

Ion Ratio Lower Upper

56 100

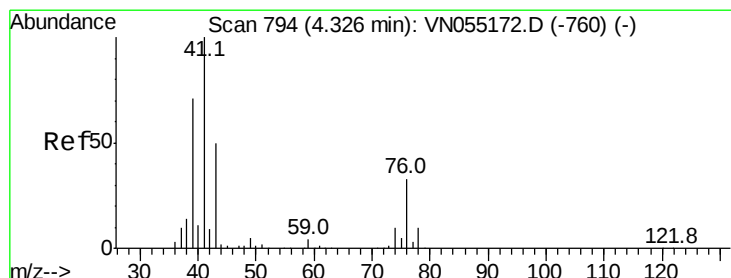
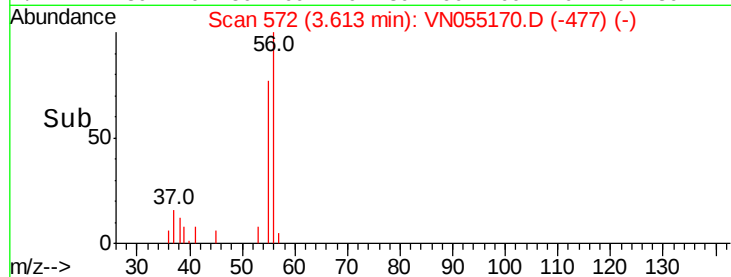
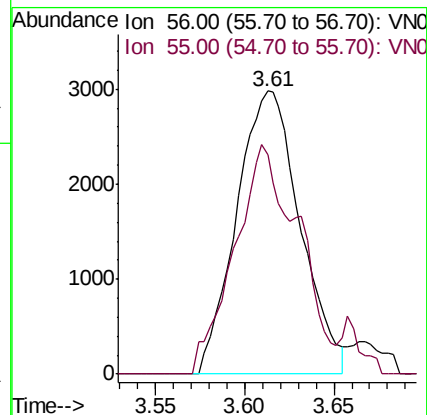
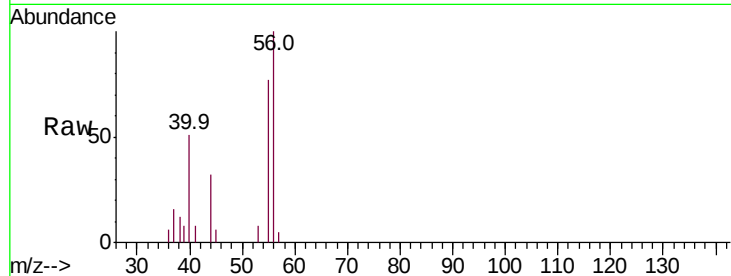
55 81.7 57.4 86.0

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#14

Allyl chloride

Concen: 5.256 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

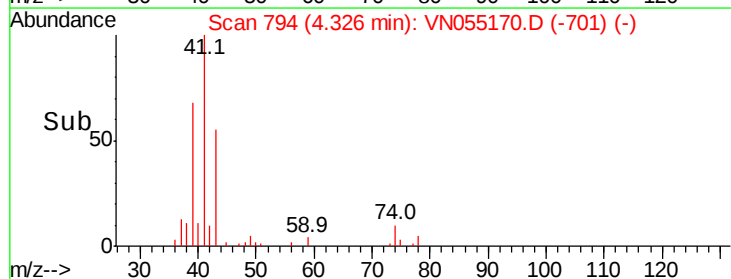
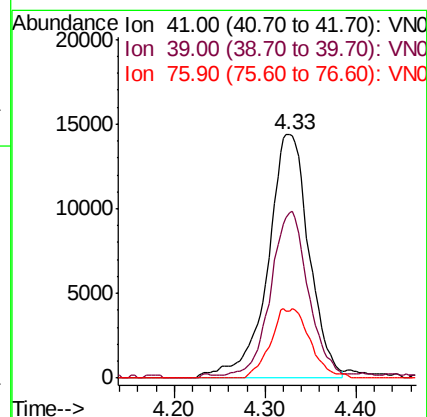
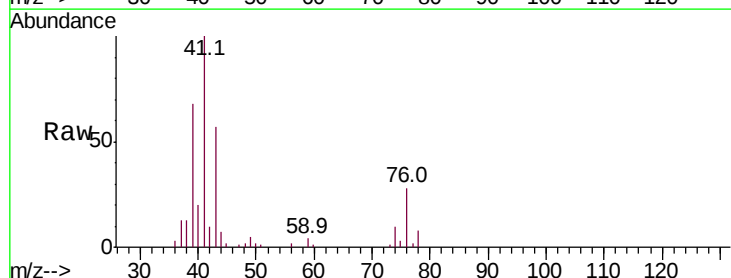
Tgt Ion: 41 Resp: 45196

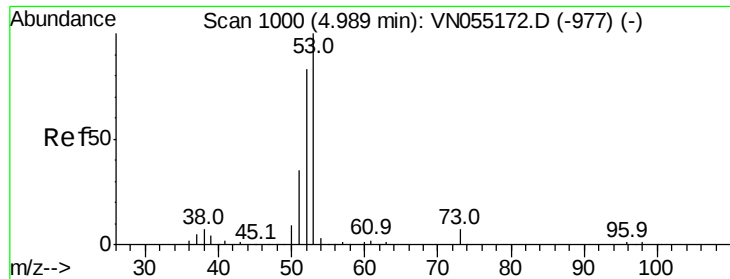
Ion Ratio Lower Upper

41 100

39 59.9 52.9 79.3

76 13.5 23.6 35.4#





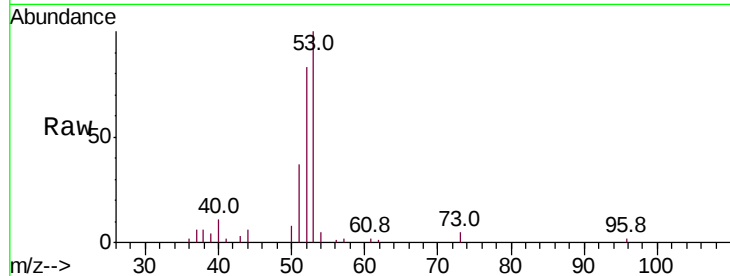
#15
 Acrylonitrile
 Concen: 25.691 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

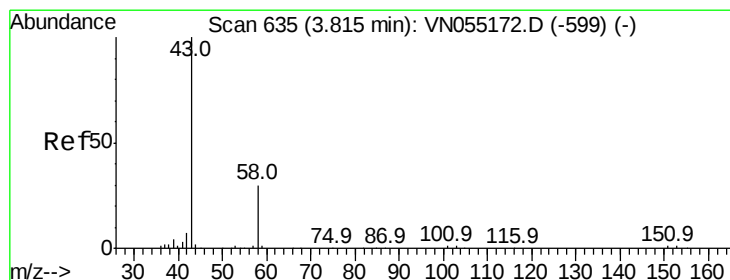
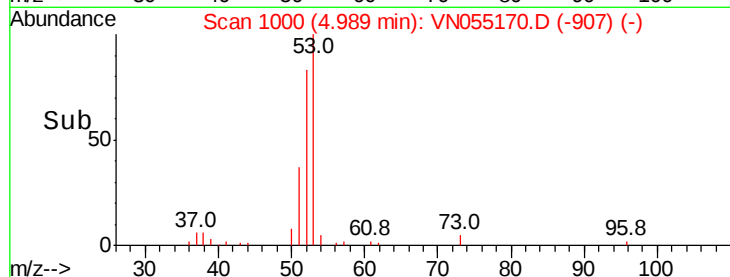
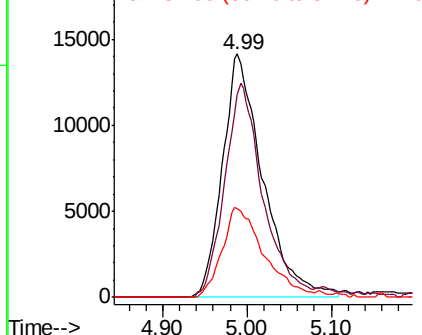
Tot Ion	53	Resp	47073
Ion Ratio	100	Lower	Upper
53	100		
52	82.5	65.8	98.8
51	37.9	28.9	43.3

Manual Integrations
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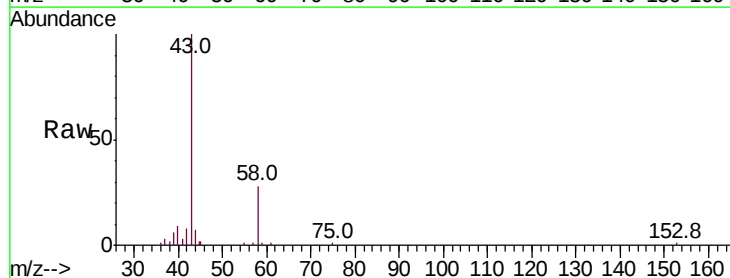


Abundance Ion 53.00 (52.70 to 53.70): VN055170.D (-977) (-)
 Ion 52.00 (51.70 to 52.70): VN055170.D (-977) (-)
 Ion 51.00 (50.70 to 51.70): VN055170.D (-977) (-)

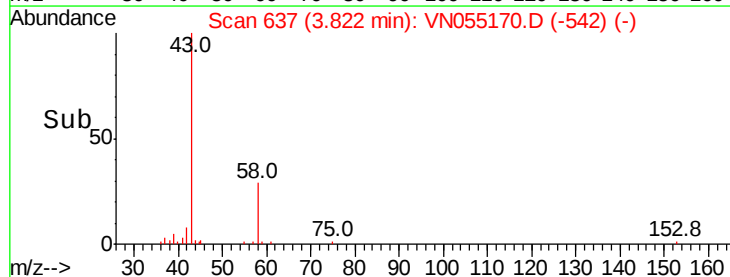
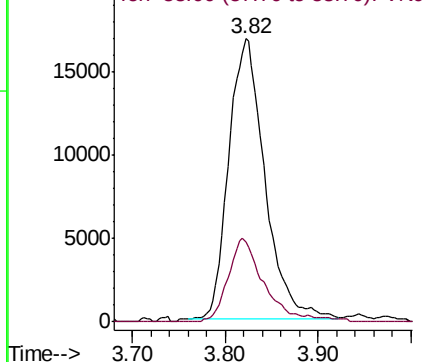


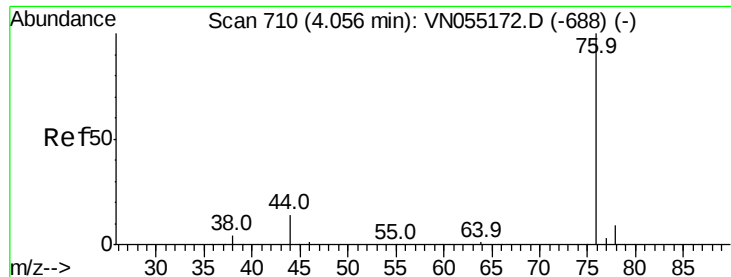
#16
 Acetone
 Concen: 23.968 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Tgt Ion	43	Resp	45342
Ion Ratio	100	Lower	Upper
43	100		
58	28.6	23.8	35.8



Abundance Ion 43.00 (42.70 to 43.70): VN055170.D (-542) (-)
 Ion 58.00 (57.70 to 58.70): VN055170.D (-542) (-)





#17

Carbon Disulfide

Concen: 4.585 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 55752

Ion Ratio Lower Upper

76 100

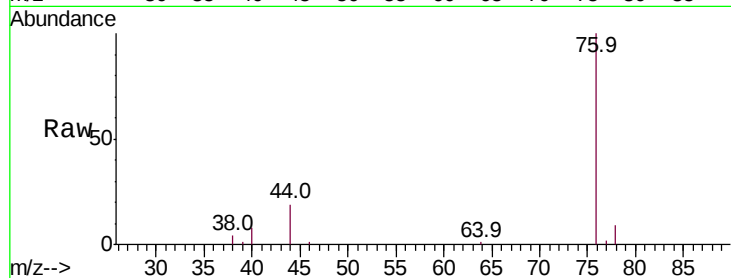
78 9.2 7.3 10.9

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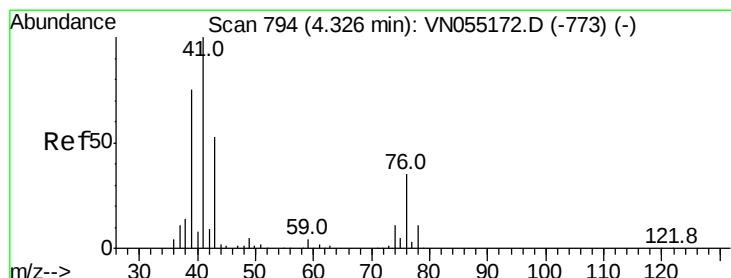
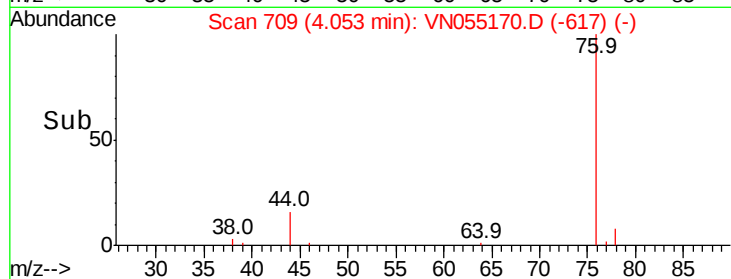
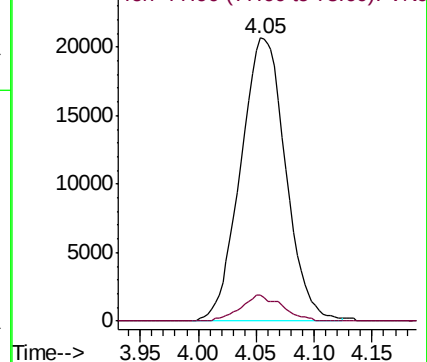
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 5.236 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055170.D

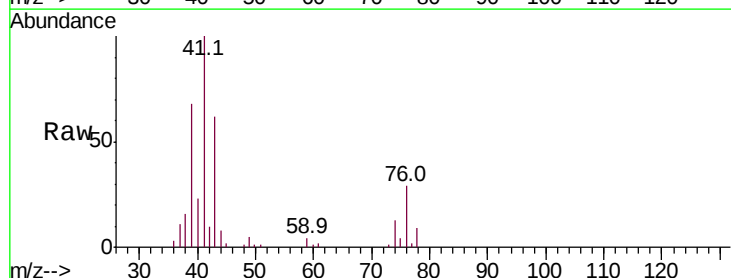
Acq: 22 Apr 2019 9:47

Tgt Ion: 43 Resp: 27336

Ion Ratio Lower Upper

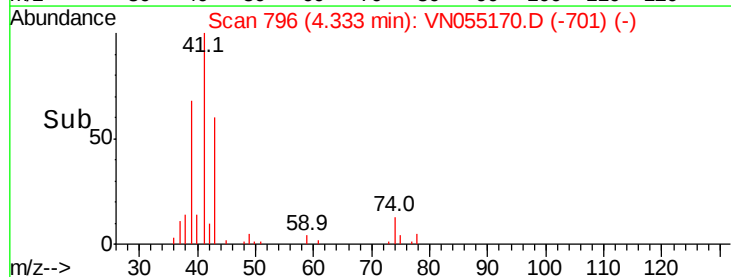
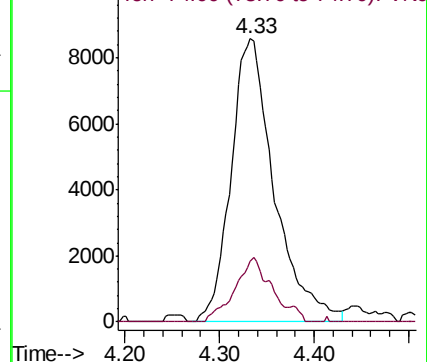
43 100

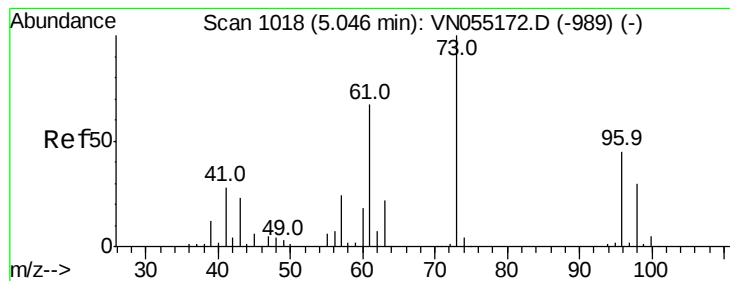
74 18.3 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 5.030 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tot Ion: 73 Resp: 60498

Ion Ratio Lower Upper

73 100

57 21.8 19.5 29.3

Instrument :

MSVOA_N

ClientSampleId :

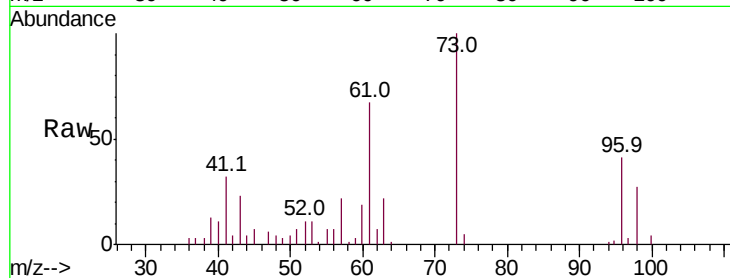
VSTDIC005

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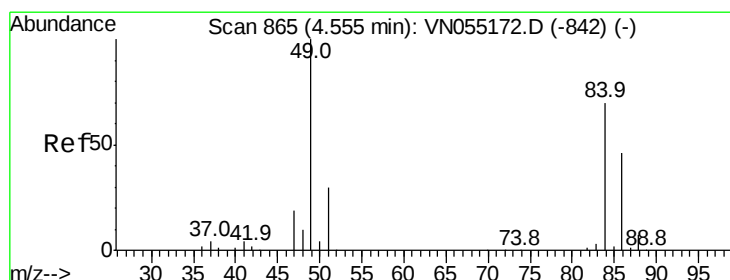
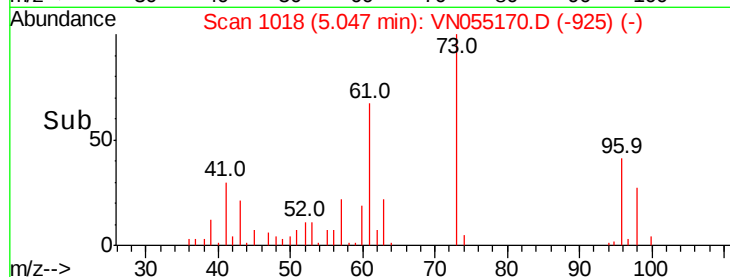
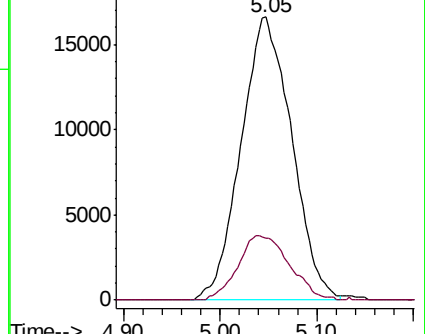
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Abundance Ion 73.00 (72.70 to 73.70): VN055170.D (-989) (-)

Ion 57.00 (56.70 to 57.70): VN055170.D (-989) (-)



#20

Methylene Chloride

Concen: 5.233 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tgt Ion: 84 Resp: 28458

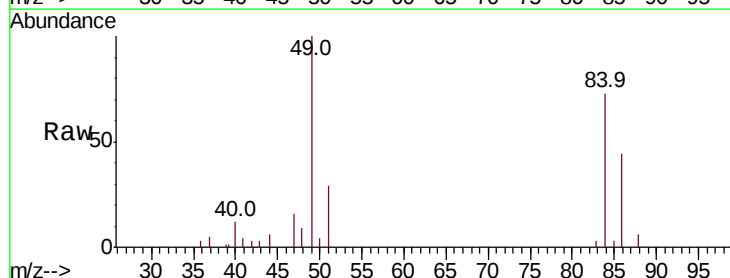
Ion Ratio Lower Upper

84 100

49 137.4 113.8 170.6

51 39.5 34.0 51.0

86 60.7 52.3 78.5

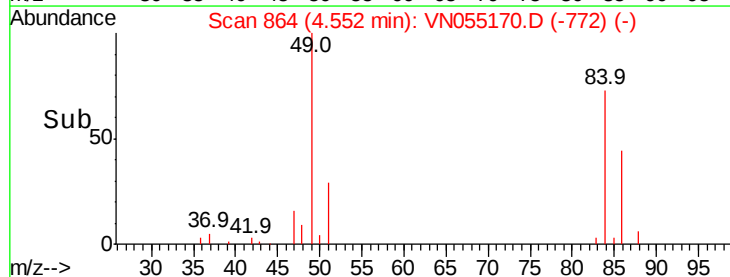
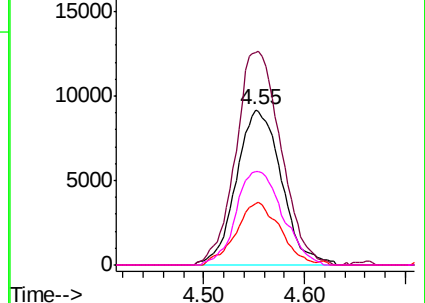


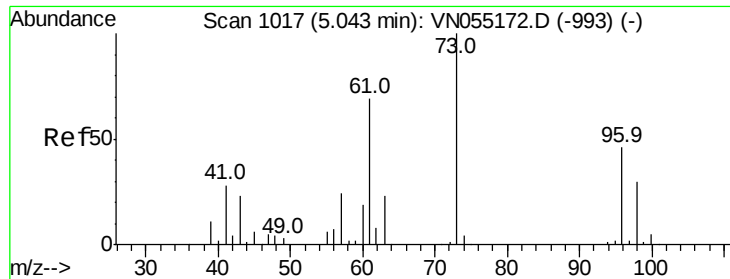
Abundance Ion 83.90 (83.60 to 84.60): VN055170.D (-772) (-)

Ion 48.90 (48.60 to 49.60): VN055170.D (-772) (-)

Ion 50.90 (50.60 to 51.60): VN055170.D (-772) (-)

Ion 85.90 (85.60 to 86.60): VN055170.D (-772) (-)





#21

trans-1,2-Dichloroethene

Concen: 5.127 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 23385

Ion Ratio Lower Upper

96 100

61 145.2 119.3 178.9

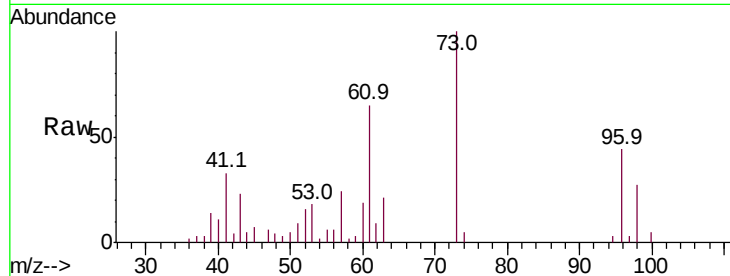
98 60.8 53.0 79.4

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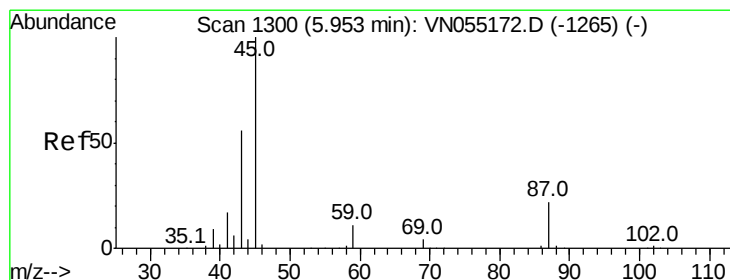
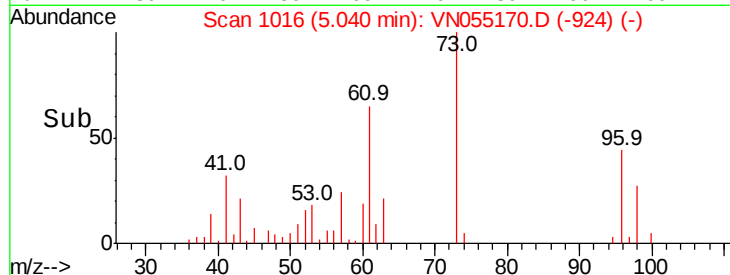
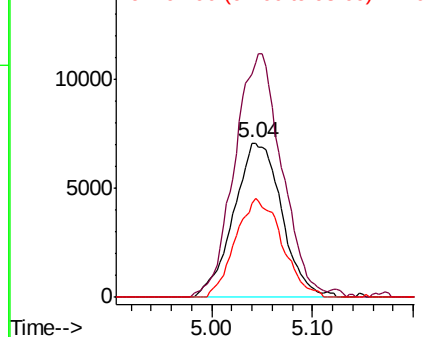
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Abundance Ion 95.90 (95.60 to 96.60): VNC
15000 Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 5.142 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tgt Ion: 45 Resp: 88133

Ion Ratio Lower Upper

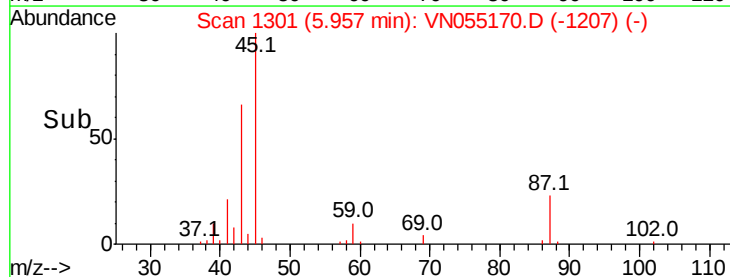
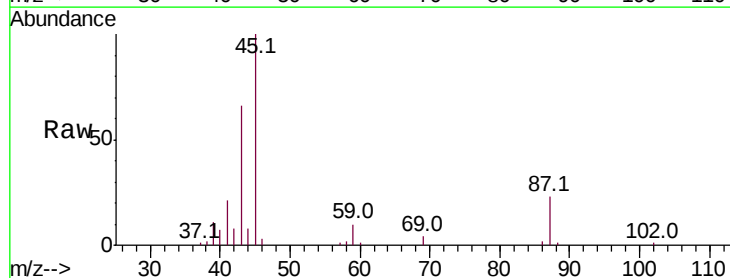
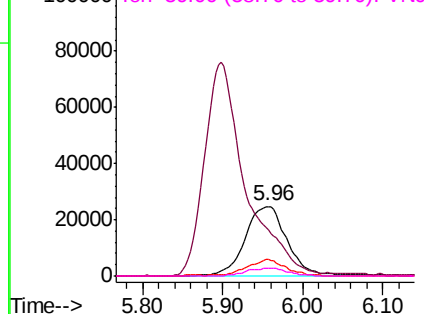
45 100

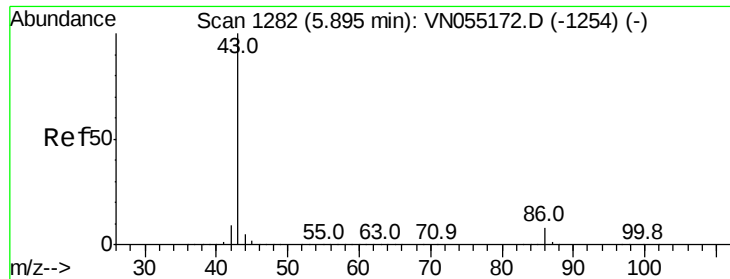
43 62.4 47.4 71.0

87 23.2 18.4 27.6

59 10.3 8.6 12.8

Abundance Ion 45.00 (44.70 to 45.70): VNC
120000 Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 23.514 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 270845

Ion Ratio Lower Upper

43 100

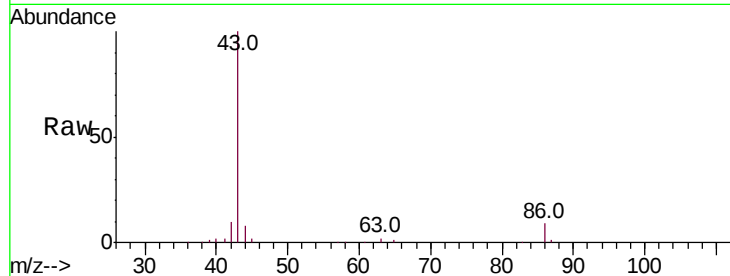
86 8.5 6.8 10.2

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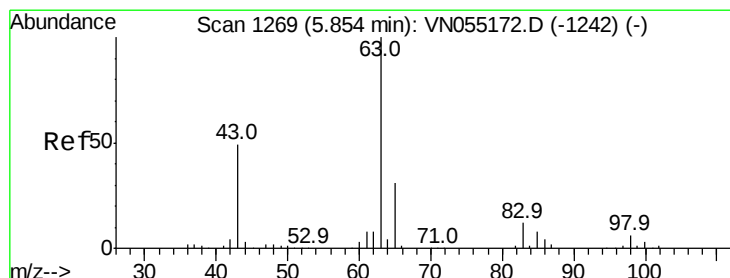
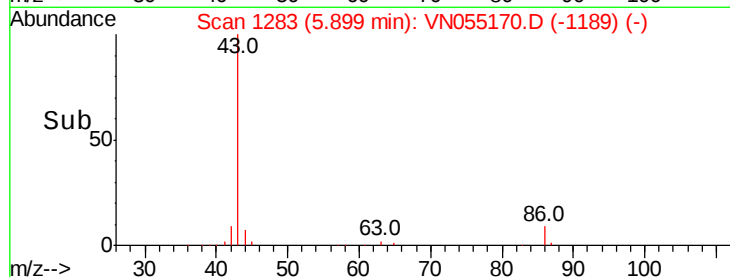
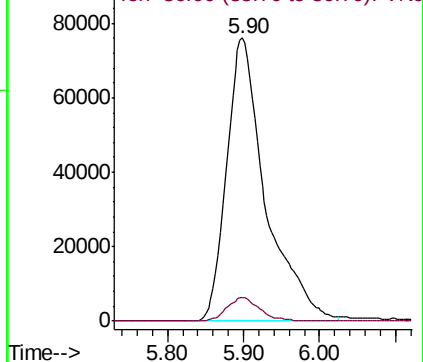
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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 5.121 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

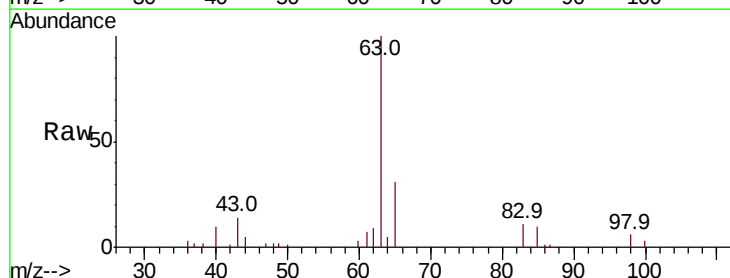
Tgt Ion: 63 Resp: 47216

Ion Ratio Lower Upper

63 100

98 5.5 3.1 9.3

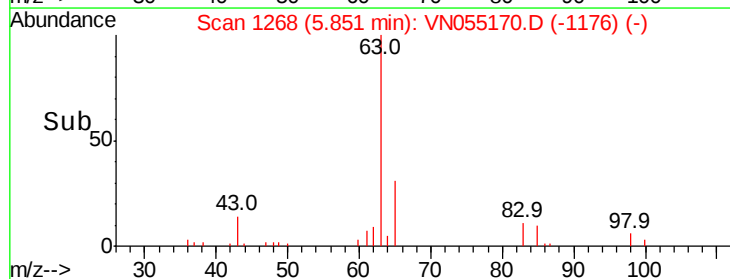
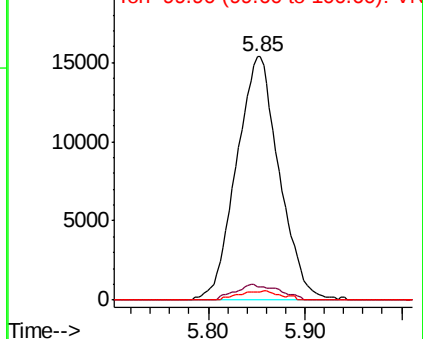
100 3.1 1.8 5.3

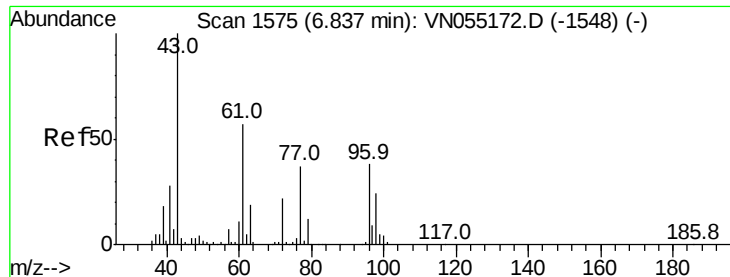


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





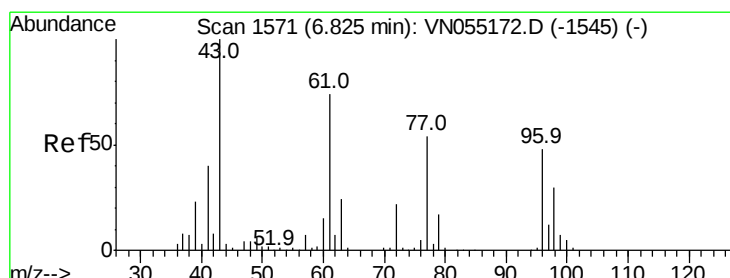
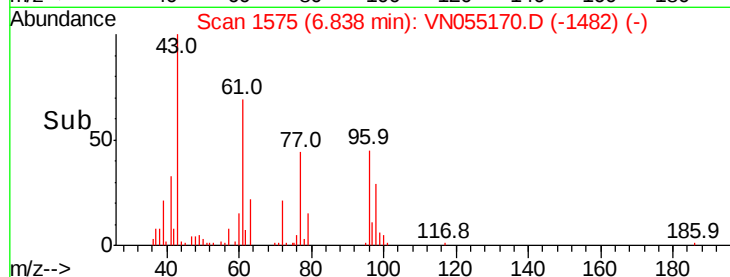
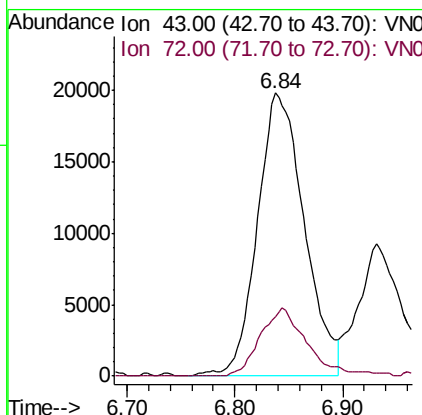
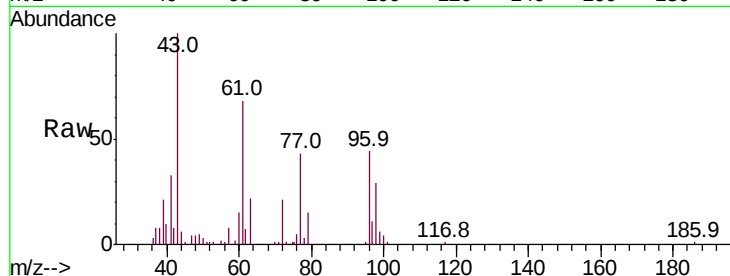
#25
 2-Butanone
 Concen: 24.462 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 43 Resp: 59746
 Ion Ratio Lower Upper
 43 100
 72 21.2 17.8 26.8

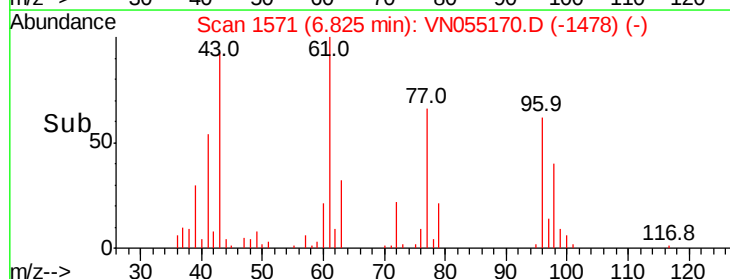
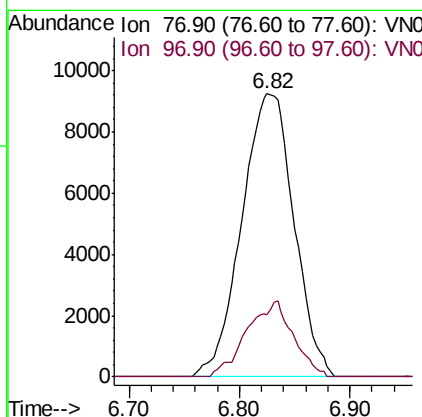
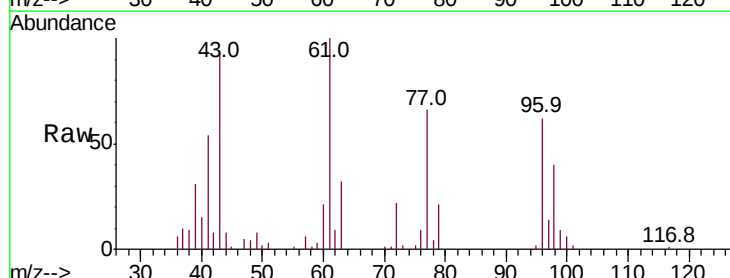
Manual Integrations
 APPROVED

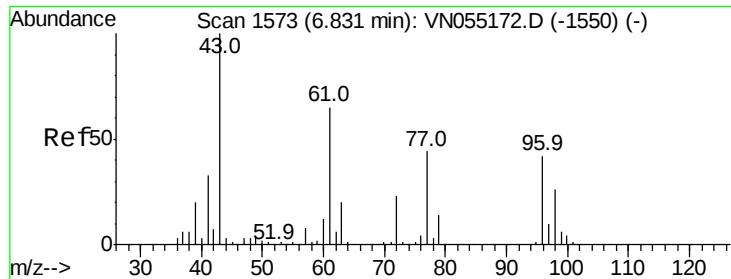
MMDadoda
 4/23/2019 1:46:27 PM



#26
 2,2-Dichloropropane
 Concen: 4.869 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Tgt Ion: 77 Resp: 30381
 Ion Ratio Lower Upper
 77 100
 97 23.9 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 5.075 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055170.D

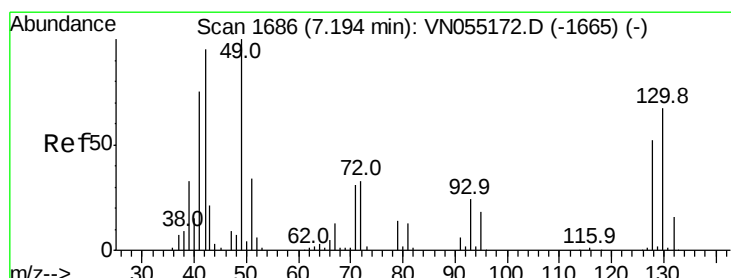
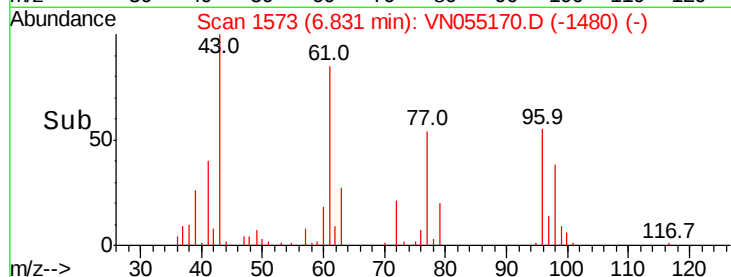
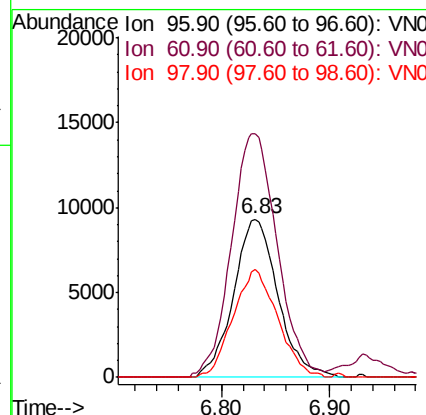
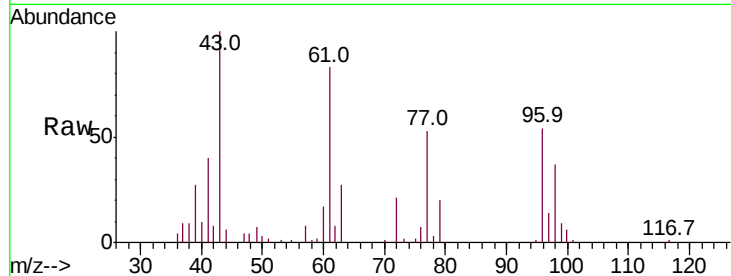
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	310.8
98	68.2	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:46:27 PM



#28

Bromochloromethane

Concen: 4.875 ug/l

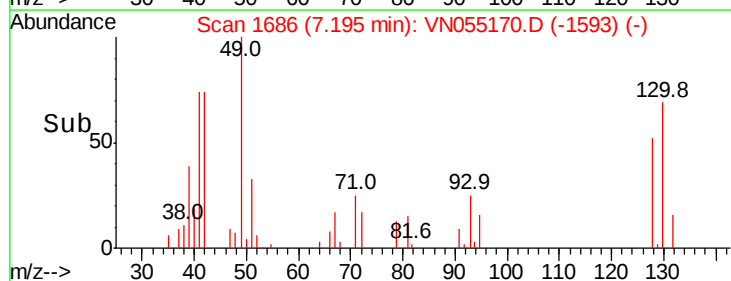
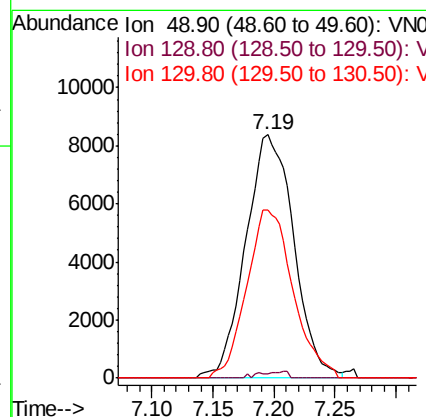
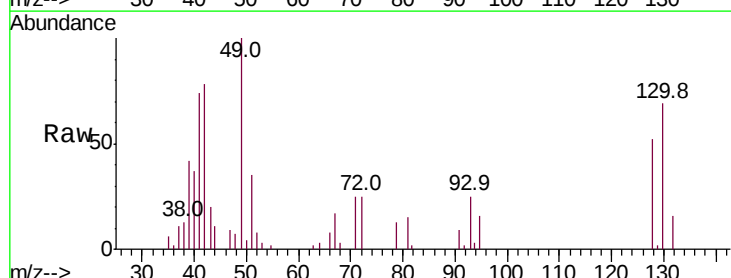
RT: 7.19 min Scan# 1686

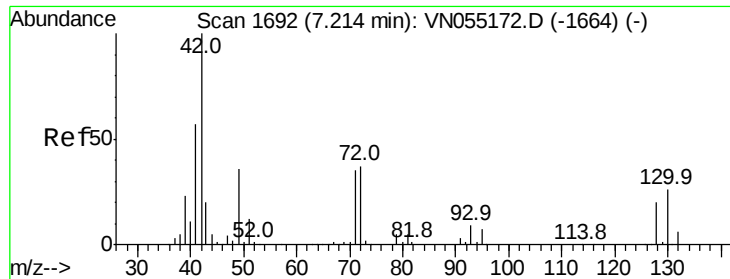
Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.8
130	66.4	53.4	80.2





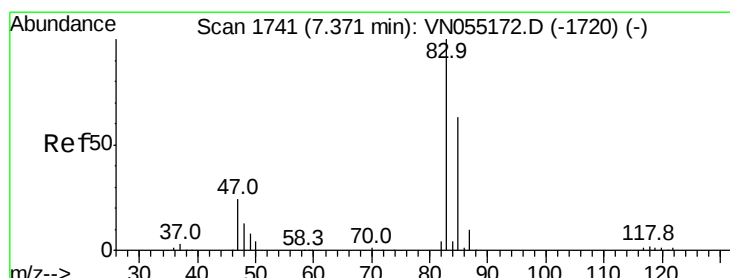
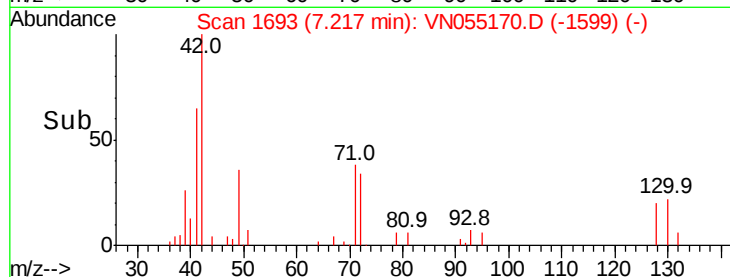
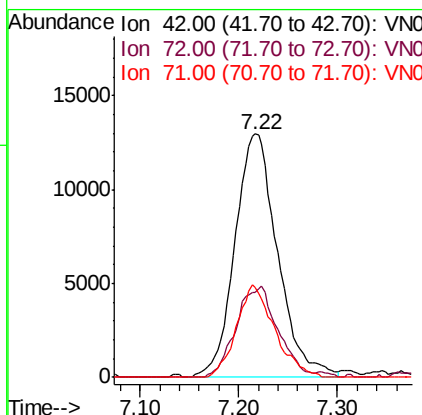
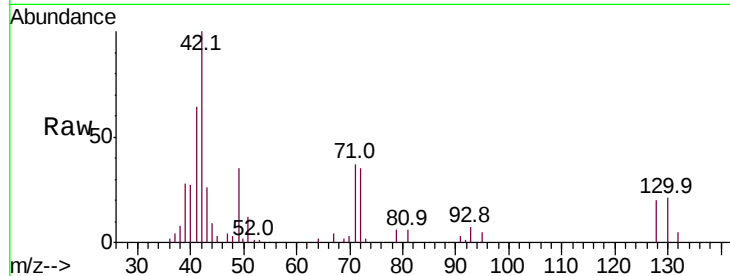
#29
Tetrahydrofuran
Concen: 25.354 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.4	44.2
71	34.0	27.8	41.8

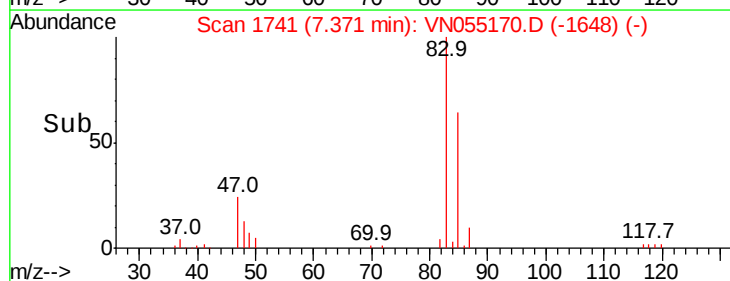
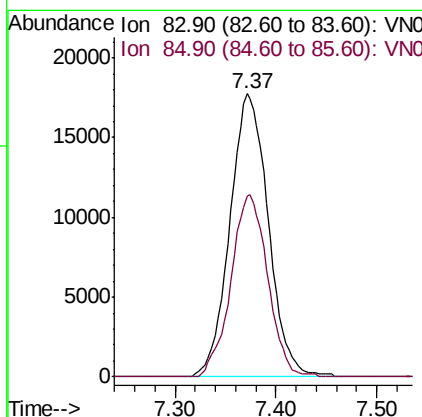
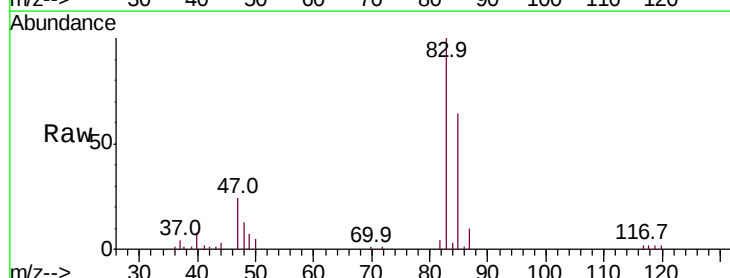
Manual Integrations
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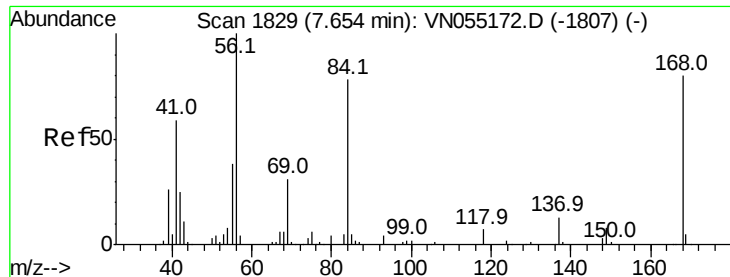
MMDadoda
4/23/2019 1:46:27 PM



#30
Chloroform
Concen: 5.337 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.6	76.0





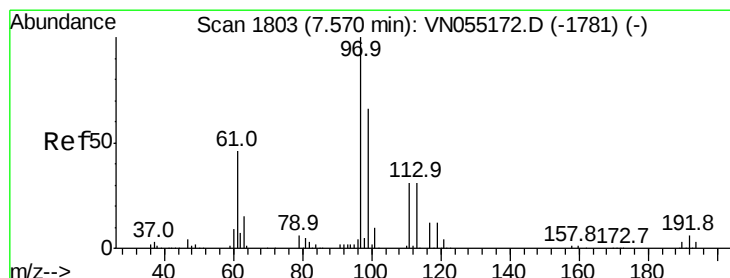
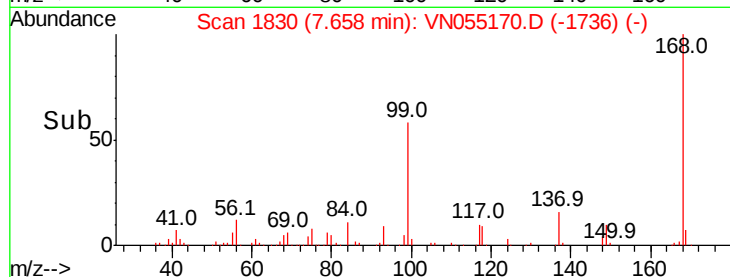
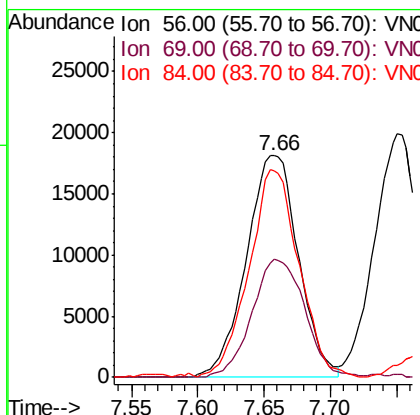
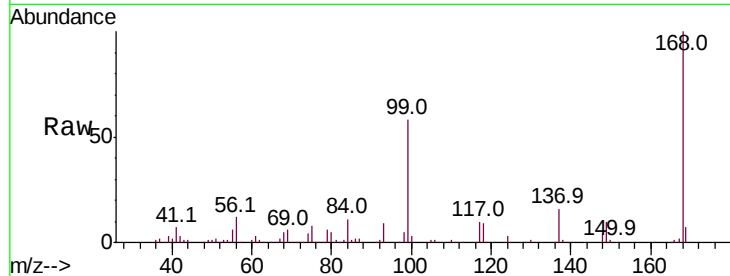
#31
Cyclohexane
Concen: 4.693 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	53.1	24.6	37.0
84	91.3	61.4	92.2

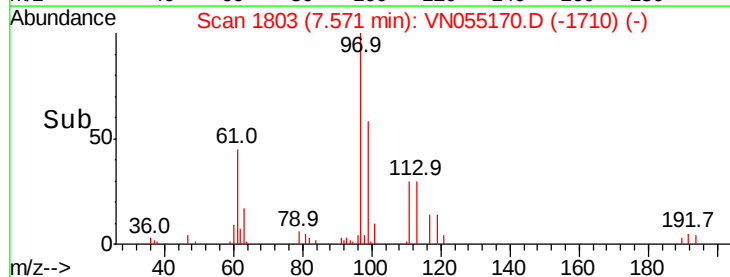
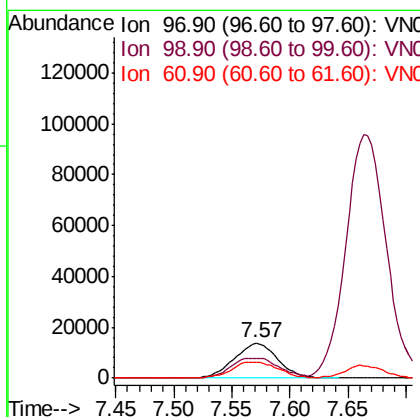
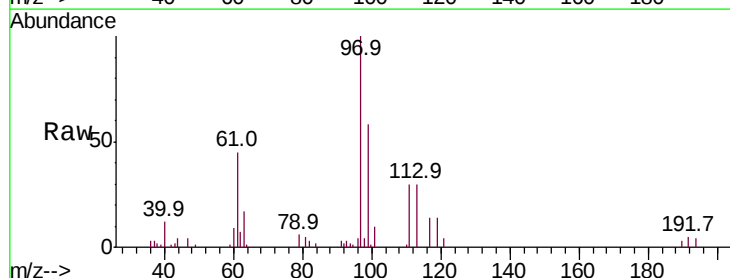
Manual Integrations
APPROVED

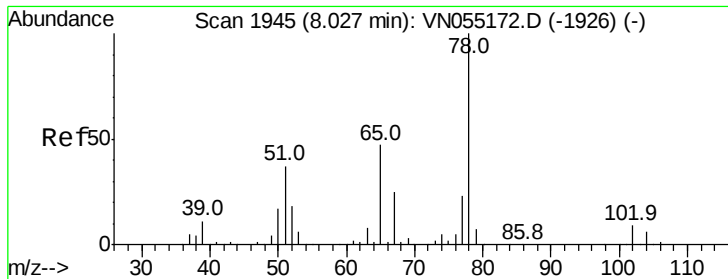
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 5.115 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.1	76.7
61	49.1	38.3	57.5





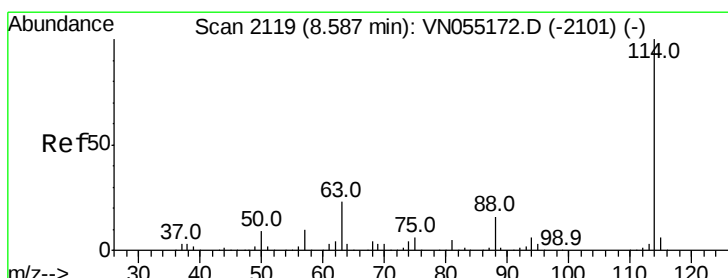
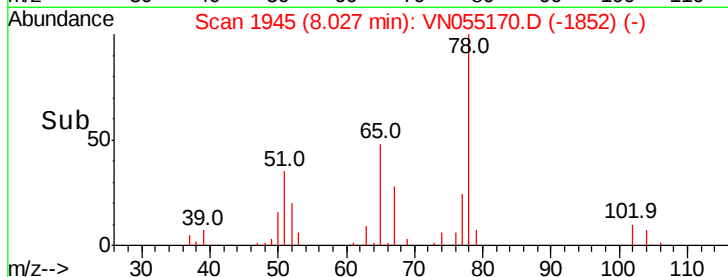
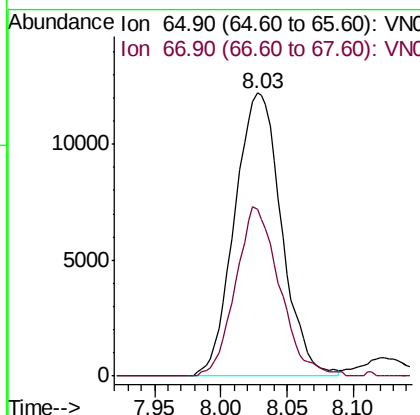
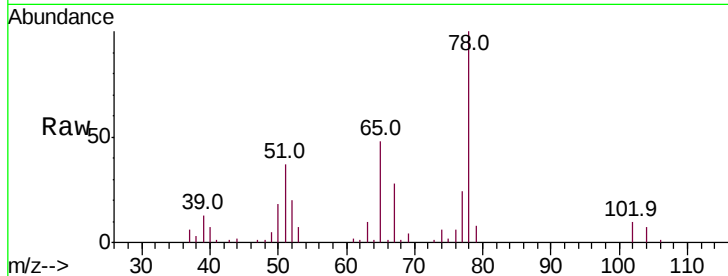
#33
 1,2-Dichloroethane-d4
 Concen: 4.830 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	29975		
67	56.2	0.0	108.6	

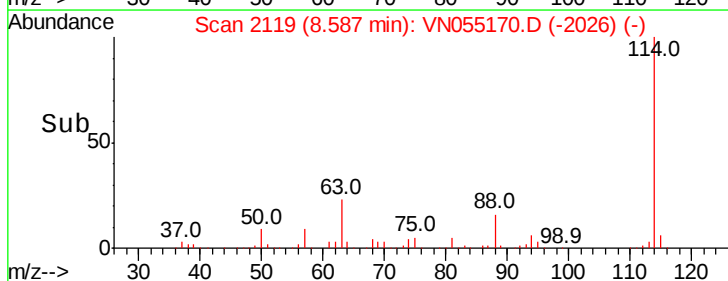
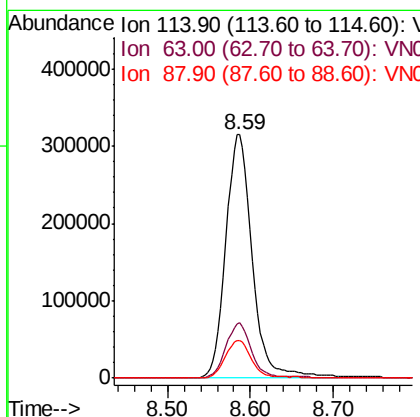
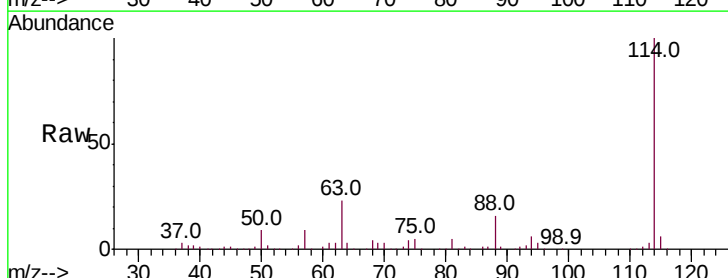
Manual Integrations
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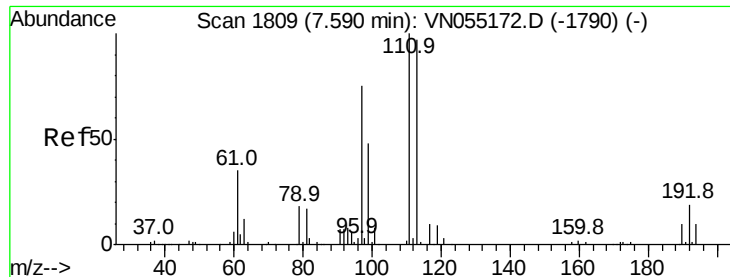
MMDadoda
 4/23/2019 1:46:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	700650		
63	22.5	0.0	45.2	
88	15.7	0.0	32.8	





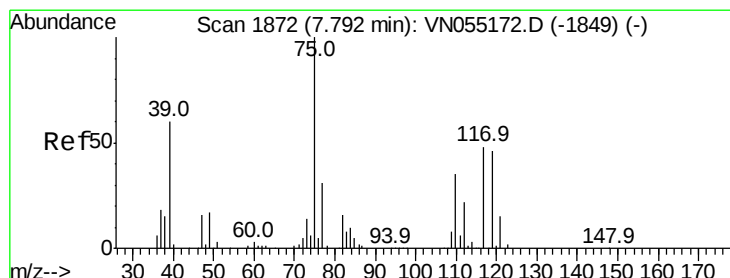
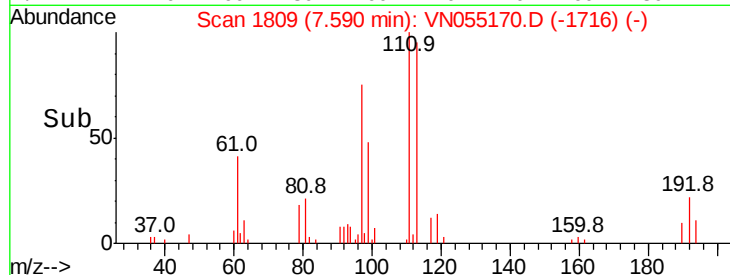
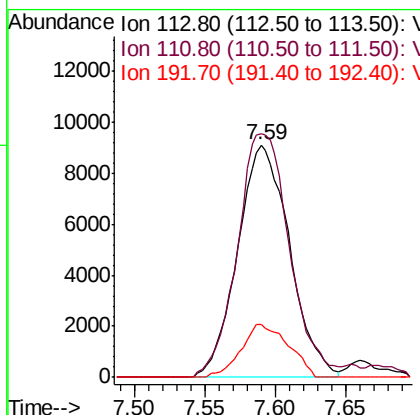
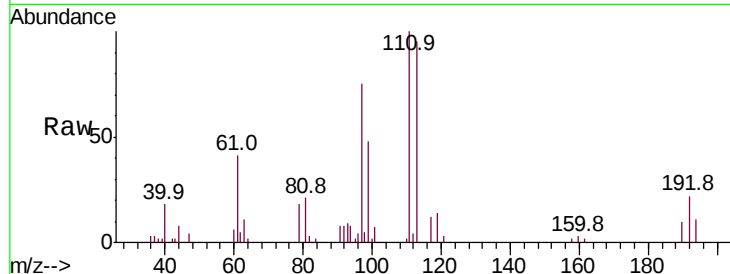
#35
 Dibromofluoromethane
 Concen: 4.666 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.7	81.0	121.4
192	20.7	16.2	24.4

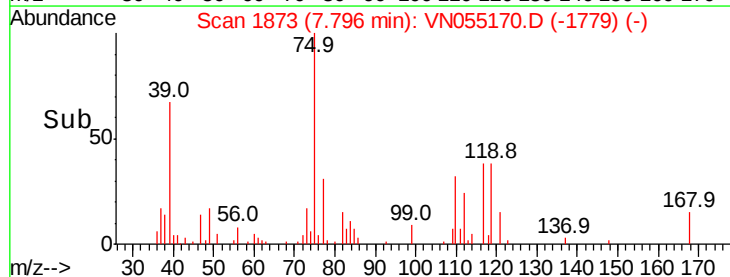
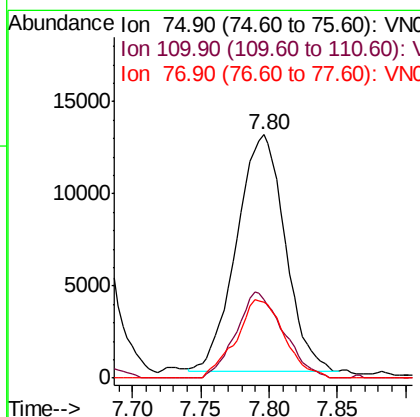
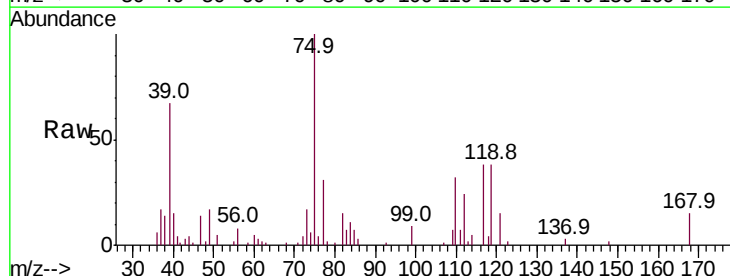
Manual Integrations
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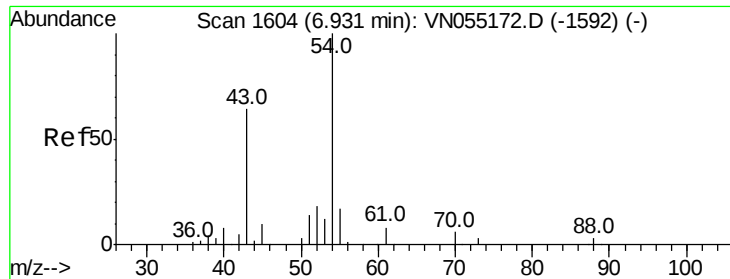
MMDadoda
 4/23/2019 1:46:27 PM



#36
 1,1-Dichloropropene
 Concen: 4.855 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.1	51.2
77	32.9	24.6	36.8





#37

Ethyl Acetate

Concen: 4.756 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

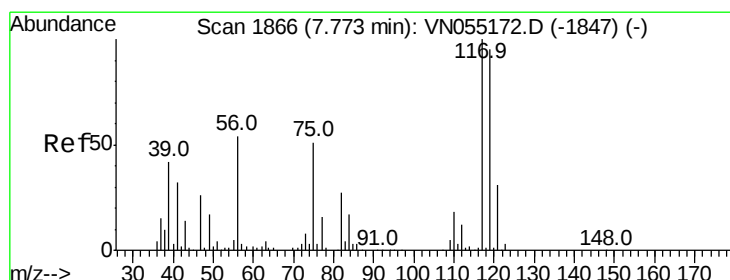
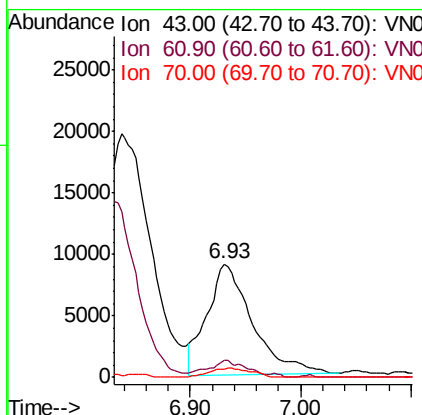
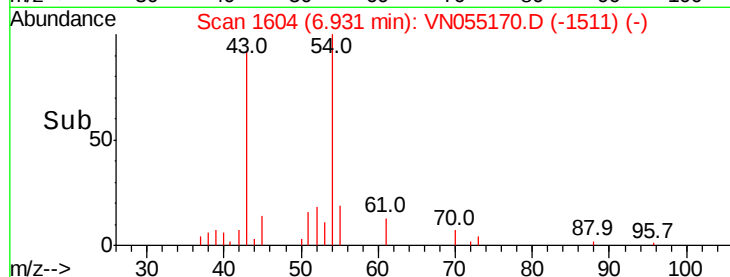
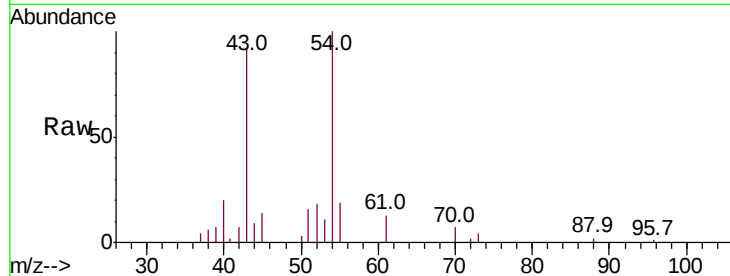
ClientSampled :

VSTDIC005

Tot Ion:	43	Resp:	25841
Ion	Ratio	Lower	Upper
43	100		
61	9.7	9.7	14.5#
70	7.7	6.9	10.3

Manual Integrations
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4/23/2019 1:46:27 PM



#38

Carbon Tetrachloride

Concen: 4.796 ug/l

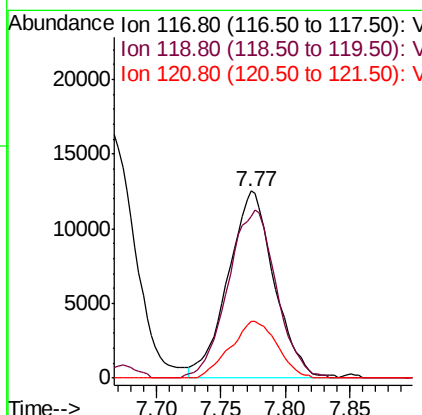
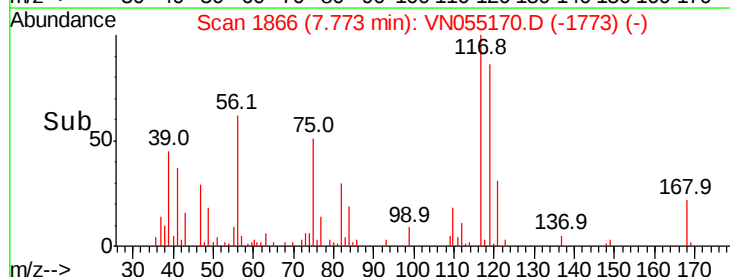
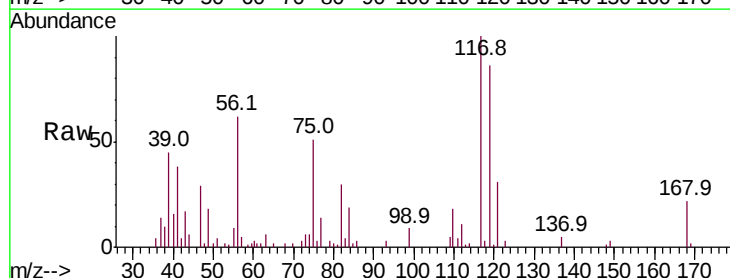
RT: 7.77 min Scan# 1866

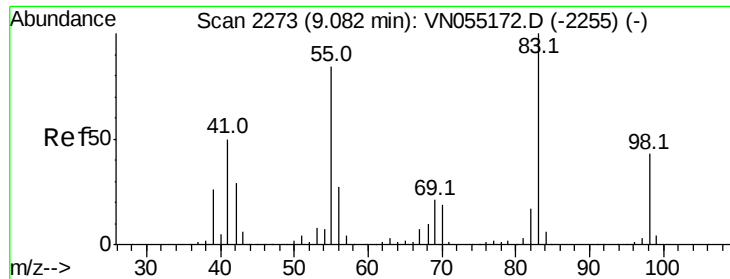
Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tgt Ion:	117	Resp:	31165
Ion	Ratio	Lower	Upper
117	100		
119	86.2	76.0	114.0
121	30.5	24.6	36.8





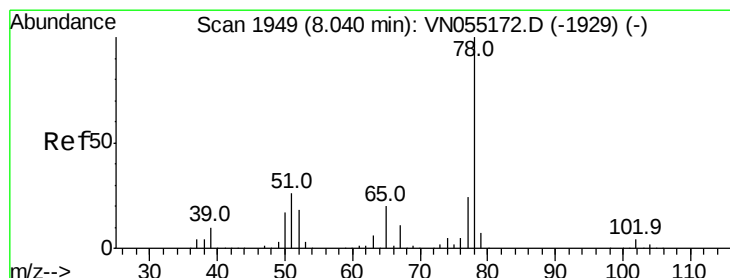
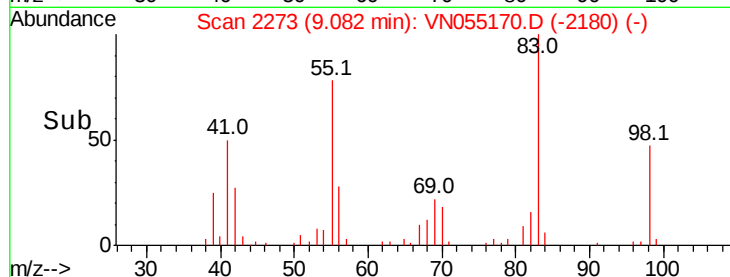
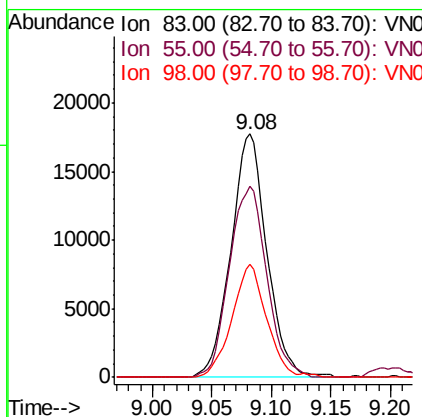
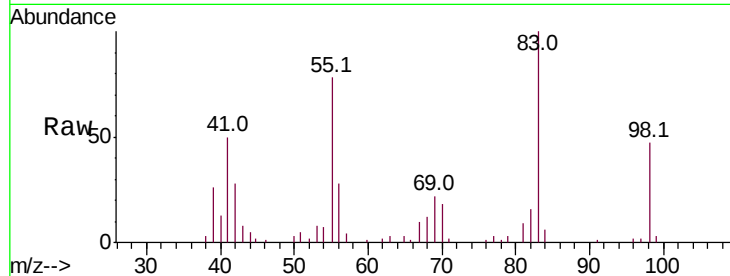
#39
Methvlcvclohexane
Concen: 4.780 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	37081
Ion Ratio	100	Lower	Upper
83	100		
55	78.4	67.4	101.0
98	46.5	34.7	52.1

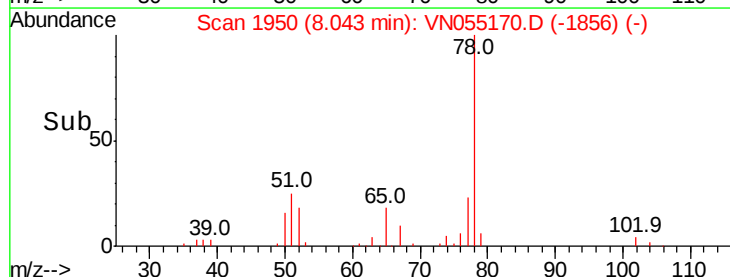
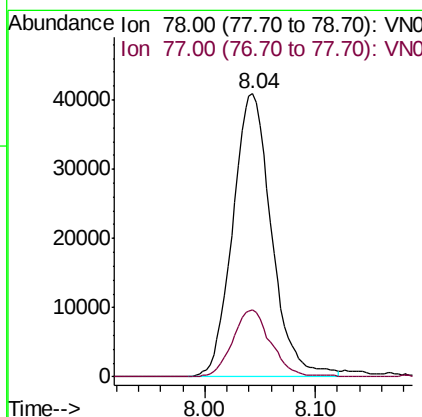
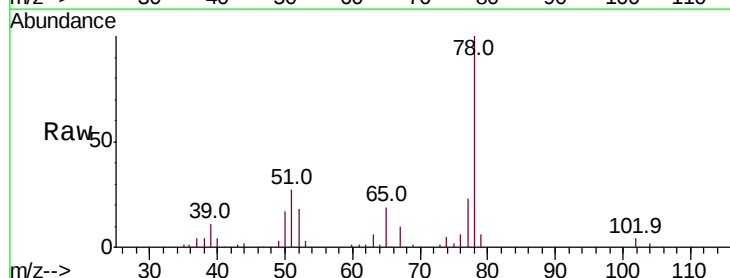
Manual Integrations
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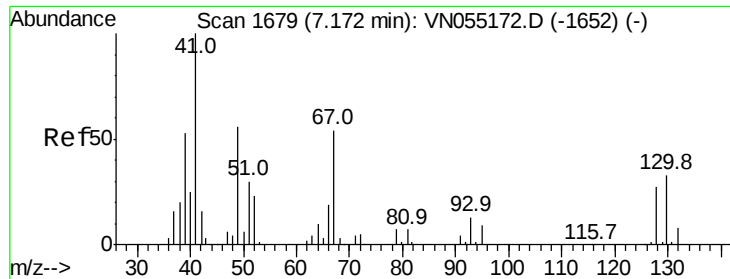
MMDadoda
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#40
Benzene
Concen: 4.977 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Tgt Ion	78	Resp	99903
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	19.5	29.3





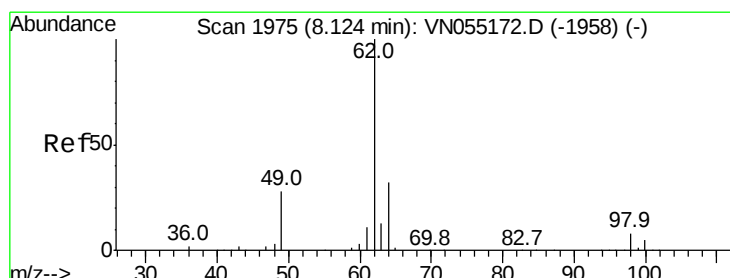
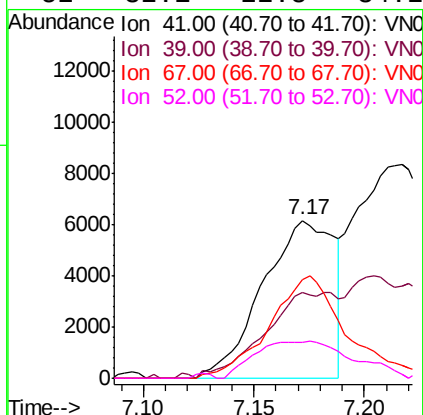
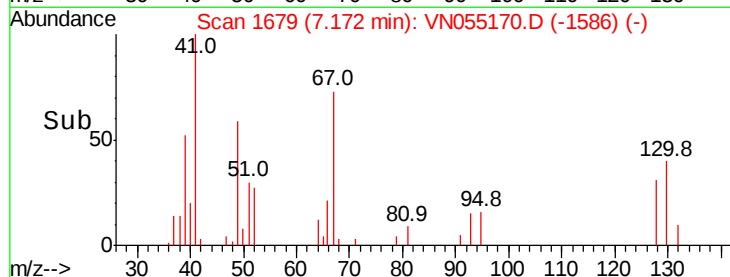
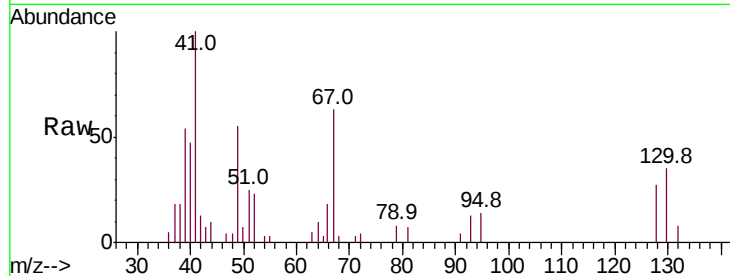
#41
Methacrylonitrile
Concen: 5.161 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp	13825
Ion Ratio	100	Lower	Upper
41	100		
39	40.6	45.4	68.0#
67	70.8	54.6	81.8
52	32.1	22.8	34.2

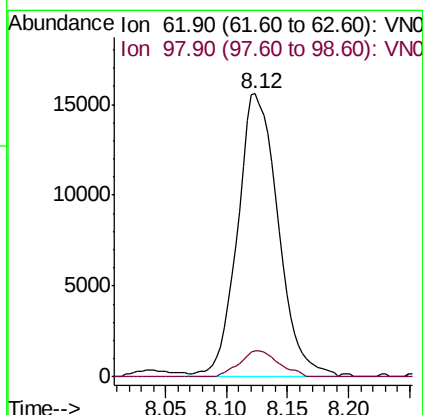
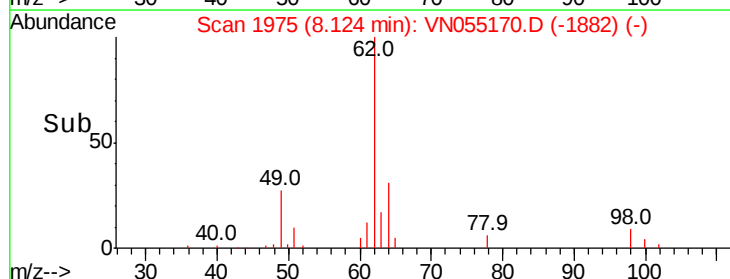
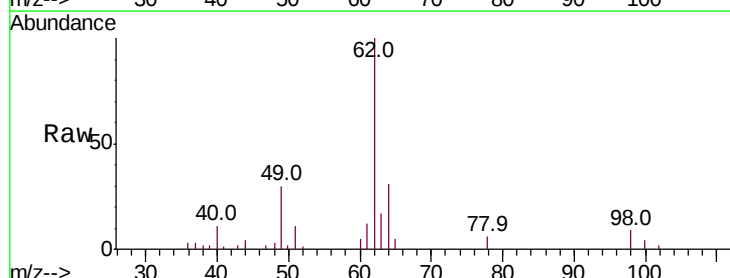
Manual Integrations
APPROVED

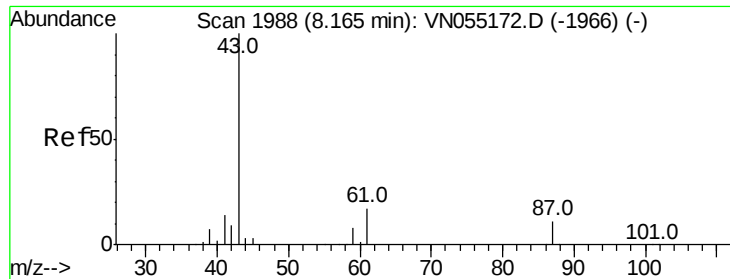
MMDadoda
4/23/2019 1:46:27 PM



#42
1,2-Dichloroethane
Concen: 5.143 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Tgt Ion	62	Resp	36022
Ion Ratio	100	Lower	Upper
62	100		
98	8.9	0.0	17.0





#43

Isopropyl Acetate

Concen: 5.018 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

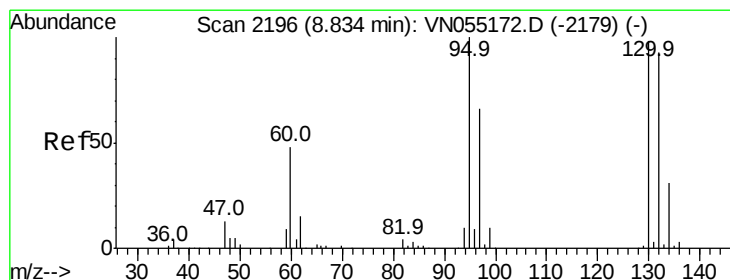
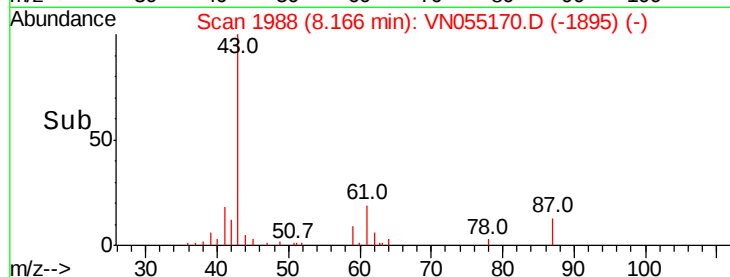
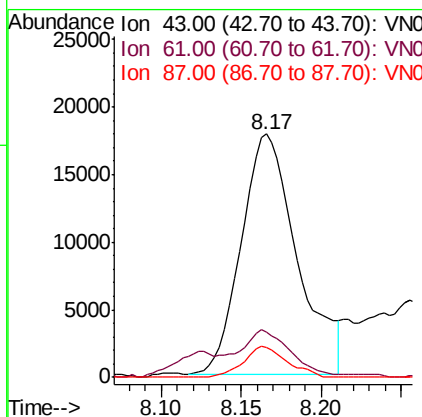
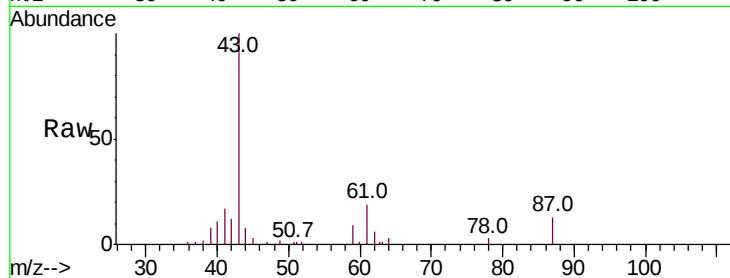
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	42649
Ion	Ratio	Lower	Upper
43	100		
61	15.9	20.6	30.8#
87	10.2	8.8	13.2

Manual Integrations
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4/23/2019 1:46:27 PM



#44

Trichloroethene

Concen: 4.978 ug/l

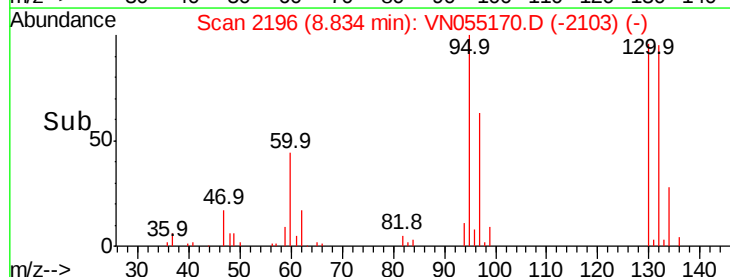
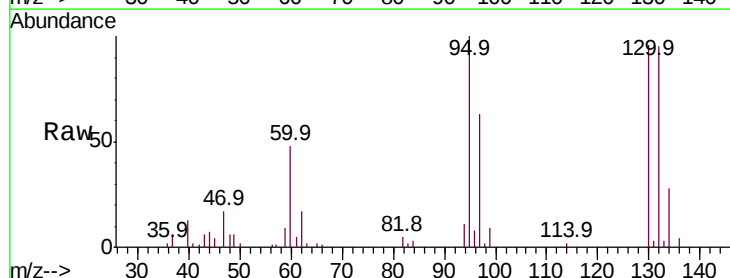
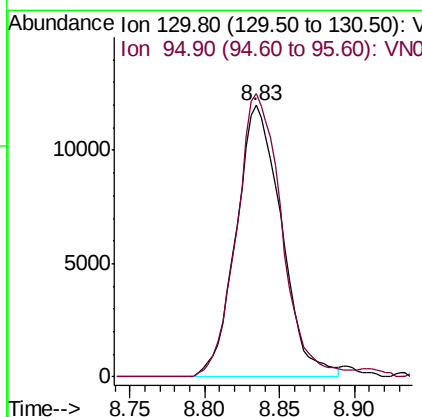
RT: 8.83 min Scan# 2196

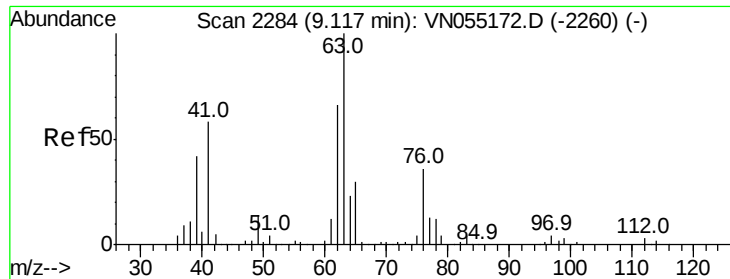
Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tgt Ion:	130	Resp:	25259
Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	203.6





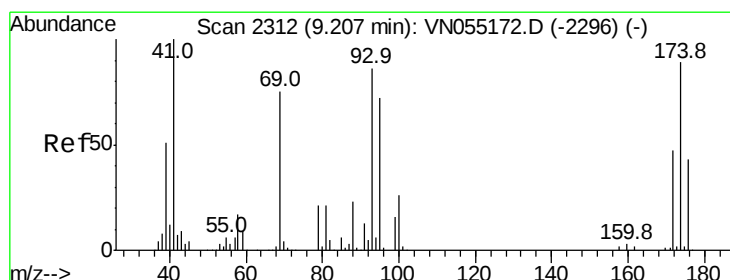
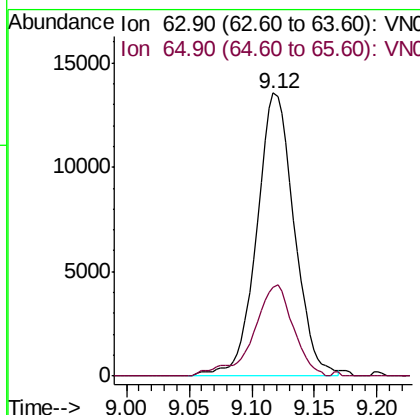
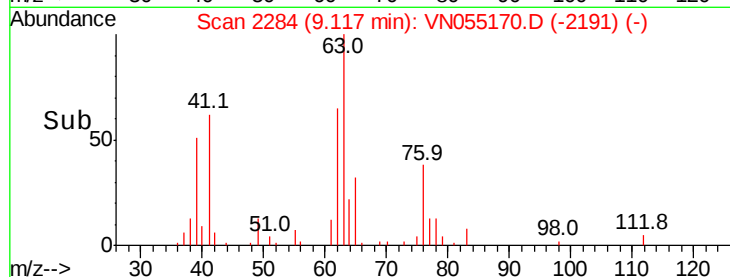
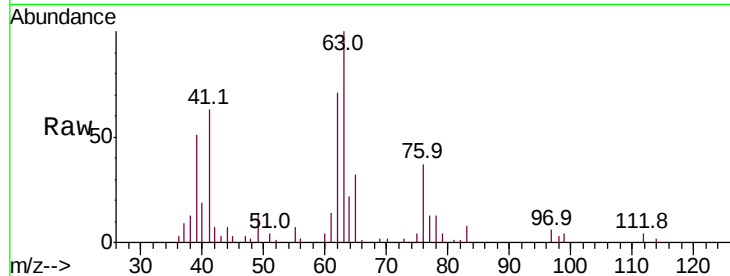
#45
 1,2-Dichloropropane
 Concen: 4.977 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.8	35.6

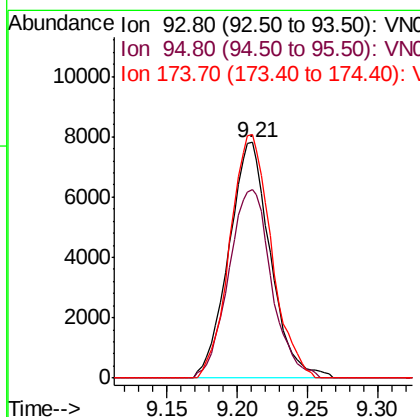
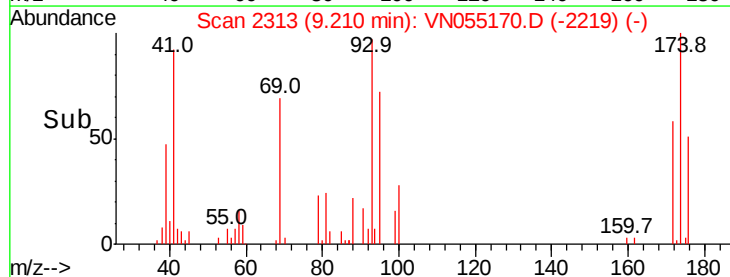
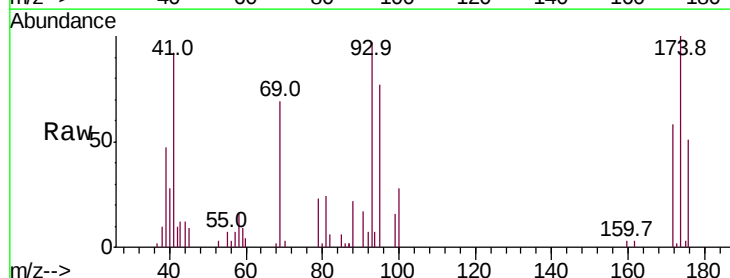
Manual Integrations
 APPROVED

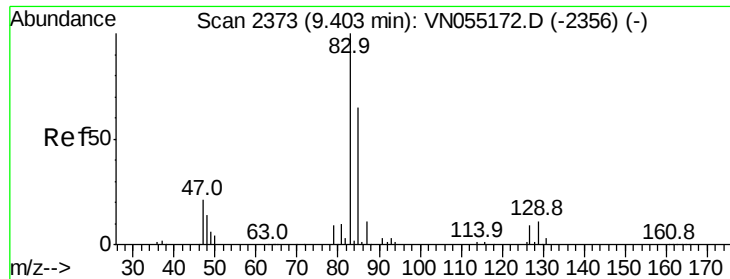
MMDadoda
 4/23/2019 1:46:27 PM



#46
 Dibromomethane
 Concen: 4.971 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	67.6	101.4
174	102.7	83.4	125.2





#47

Bromodichloromethane

Concen: 5.051 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

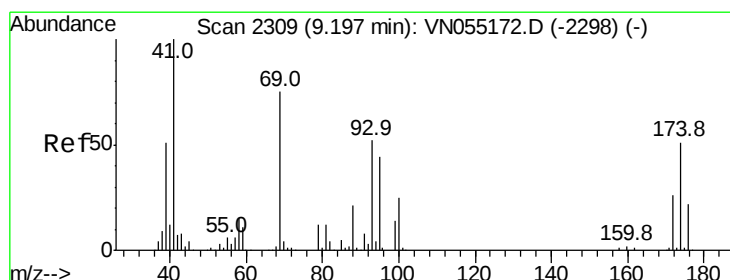
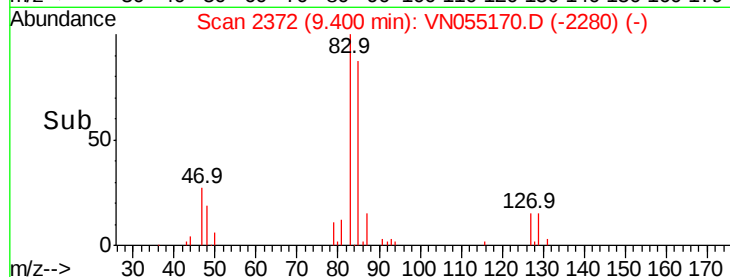
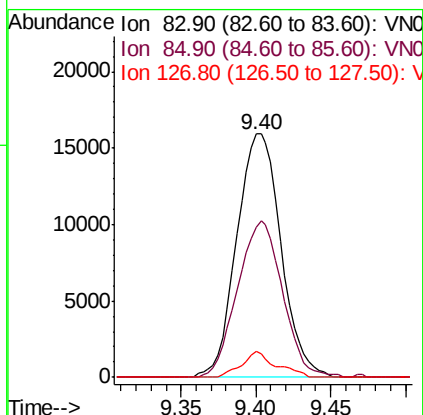
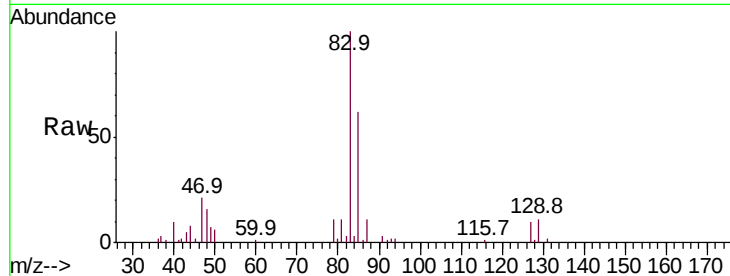
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	32798
Ion Ratio	Lower	Upper	
83	100		
85	61.9	52.1	78.1
127	10.5	6.9	10.3#

Manual Integrations
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MMDadoda
4/23/2019 1:46:27 PM



#48

Methyl methacrylate

Concen: 4.357 ug/l

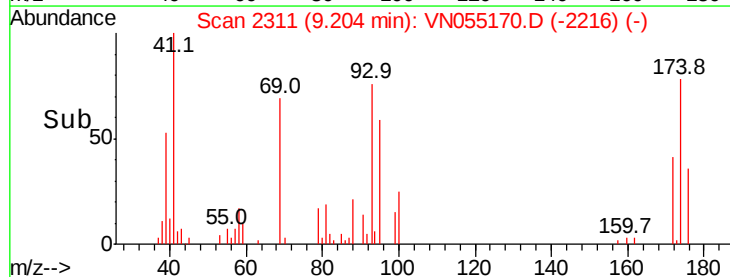
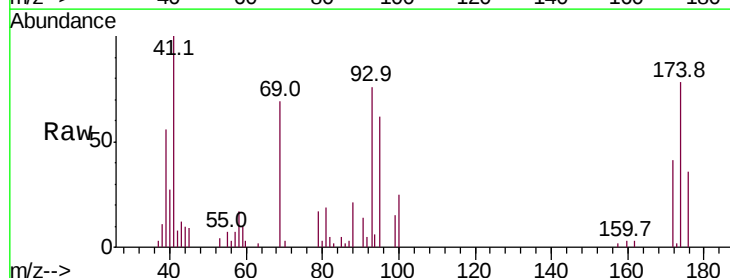
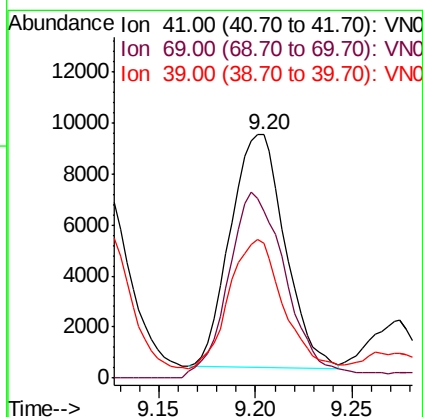
RT: 9.20 min Scan# 2311

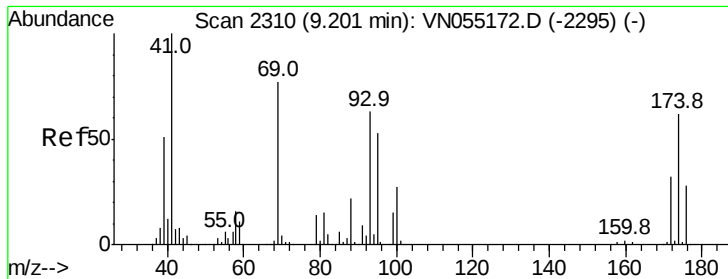
Delta R.T. 0.01 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tgt Ion:	41	Resp:	17960
Ion Ratio	Lower	Upper	
41	100		
69	84.8	63.6	95.4
39	59.8	43.8	65.8





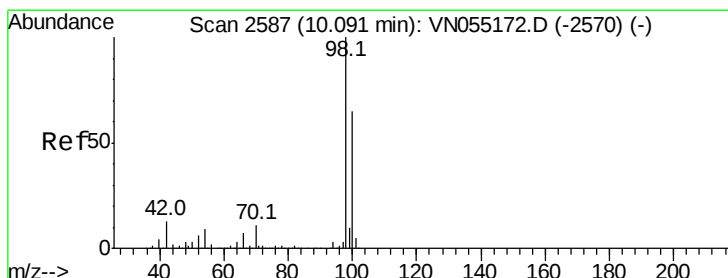
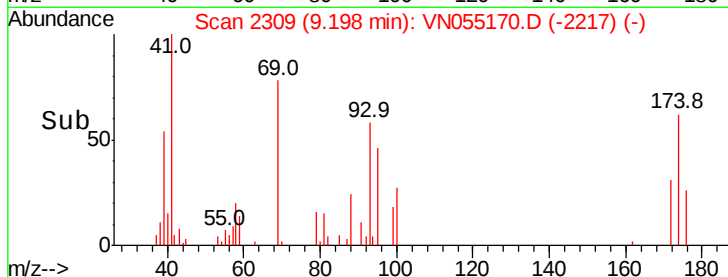
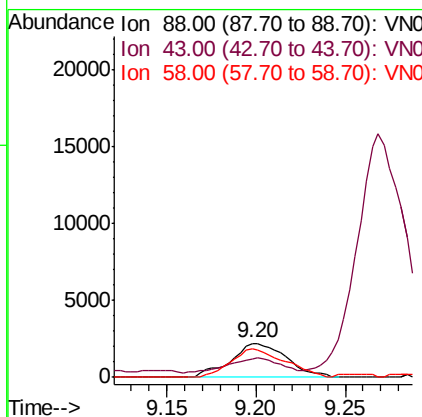
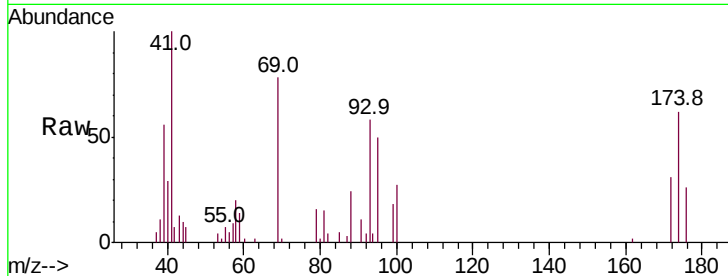
#49
1,4-Dioxane
Concen: 100.698 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	32.0	48.0
58	81.2	60.4	90.6

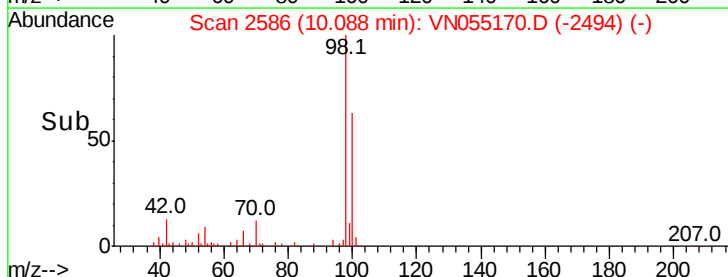
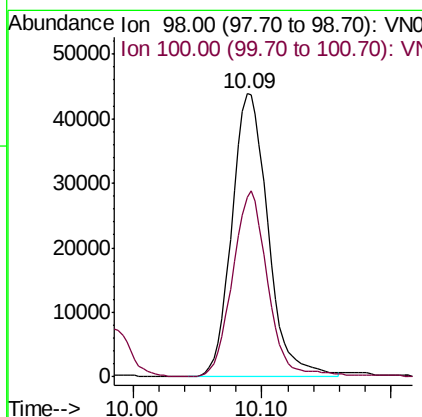
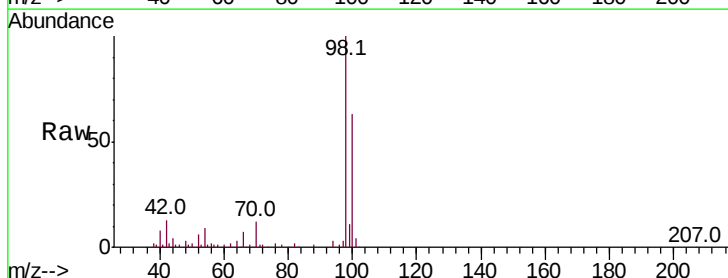
Manual Integrations
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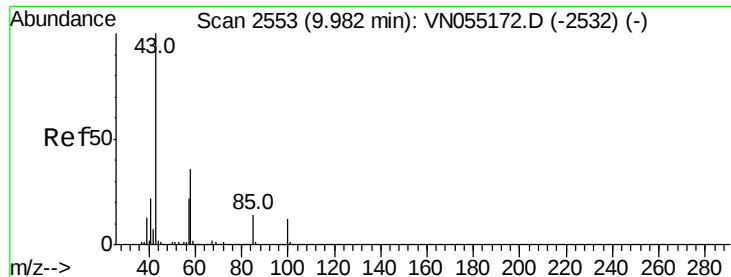
MMDadoda
4/23/2019 1:46:27 PM



#50
Toluene-d8
Concen: 4.712 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.6





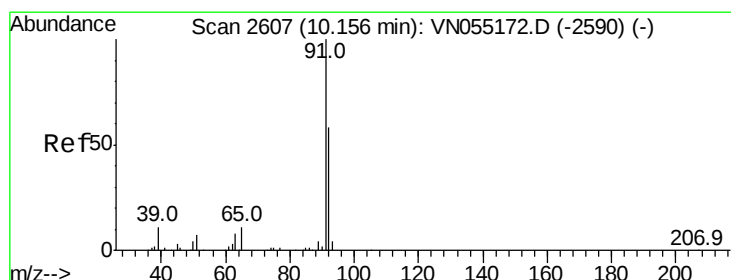
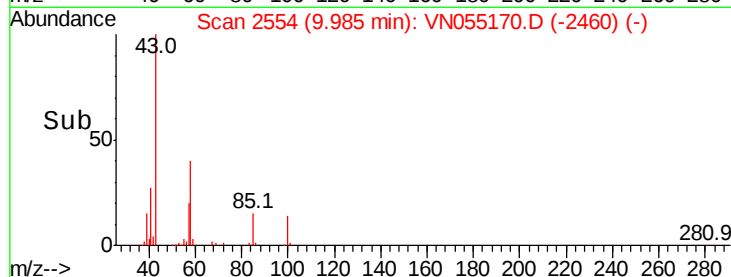
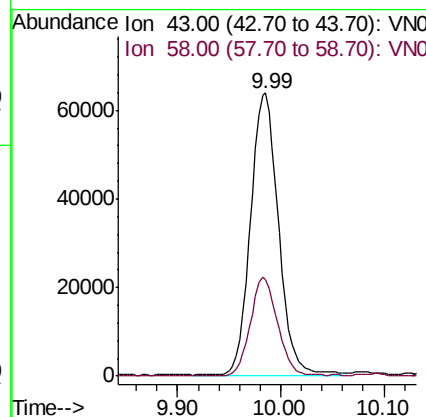
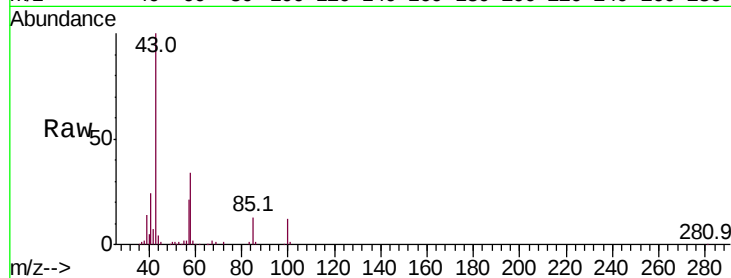
#51
 4-Methyl-2-Pentanone
 Concen: 24.393 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.3	28.3	42.5

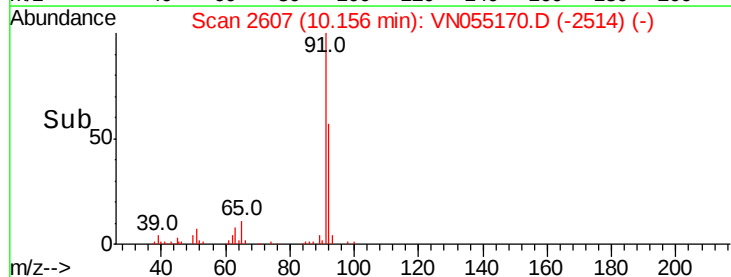
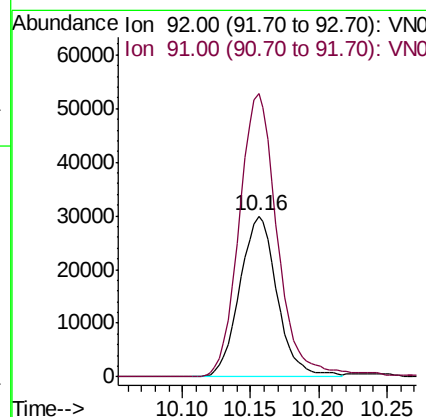
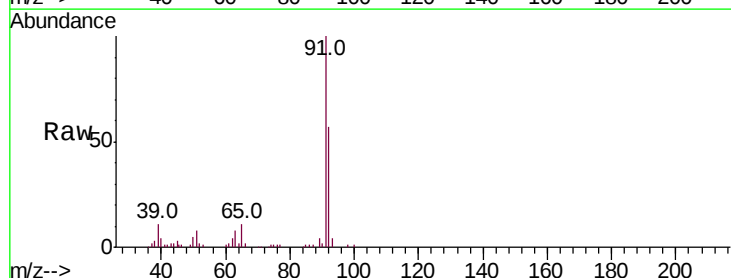
Manual Integrations
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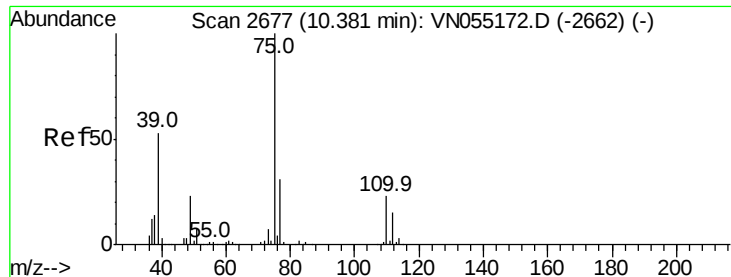
MMDadoda
 4/23/2019 1:46:27 PM



#52
 Toluene
 Concen: 4.863 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Lower	Upper
92	100		
91	180.4	138.7	208.1





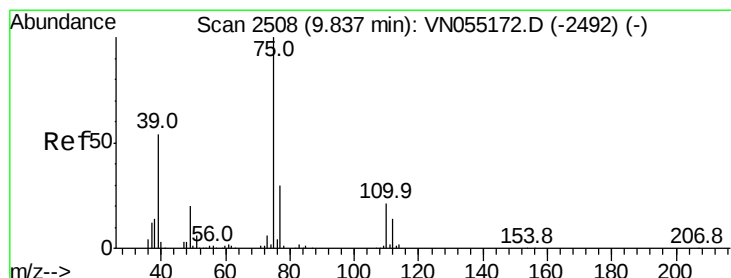
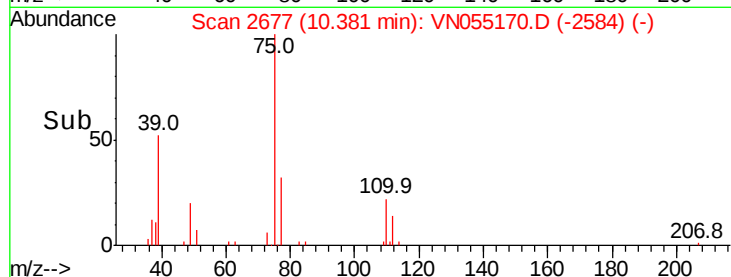
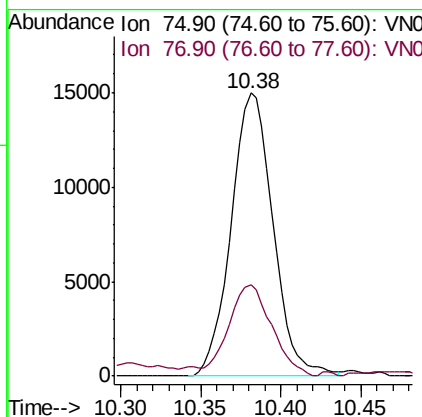
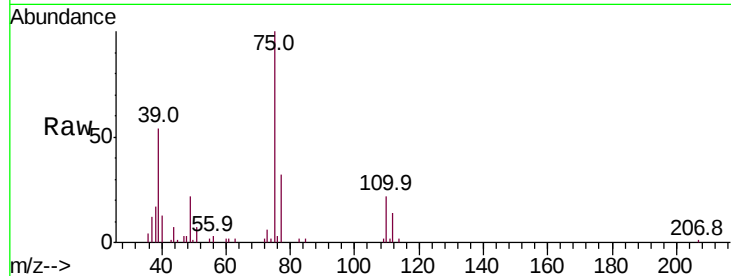
#53
 t-1,3-Dichloropropene
 Concen: 4.487 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 26743
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.1 37.7

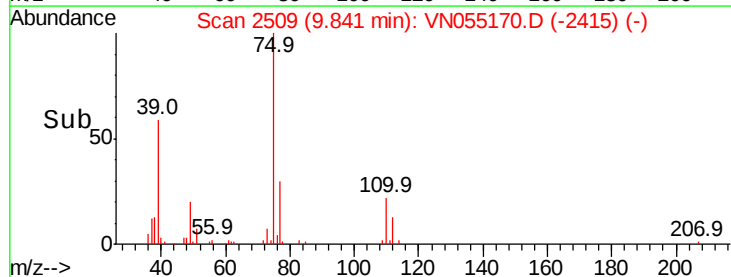
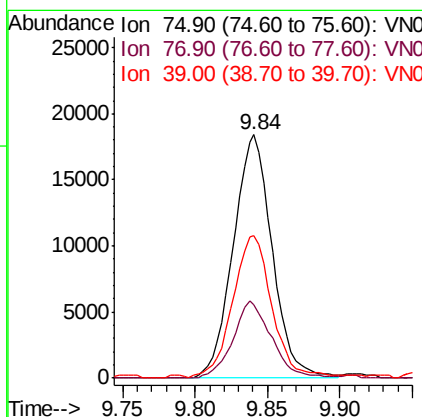
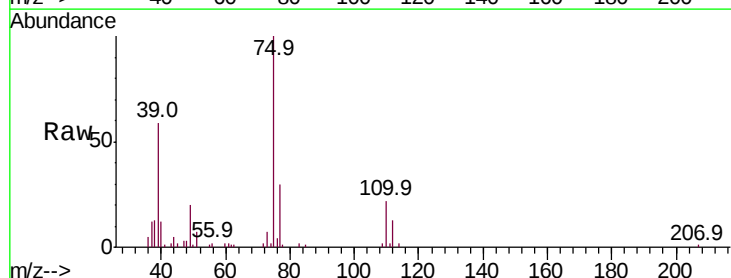
Manual Integrations
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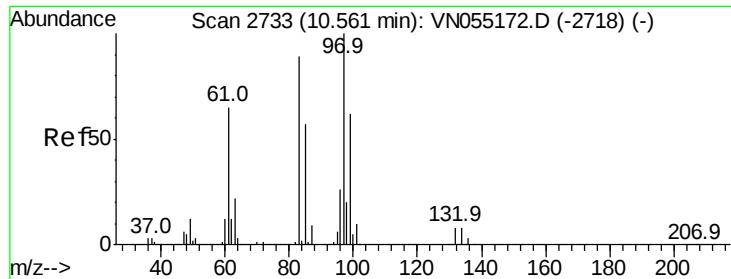
MMDadoda
 4/23/2019 1:46:27 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.653 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Tgt Ion: 75 Resp: 34408
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.3 36.5
 39 58.7 43.0 64.4





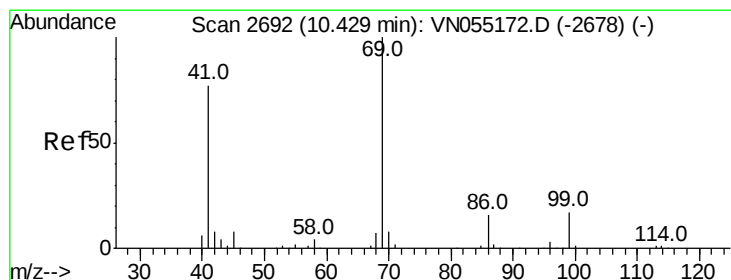
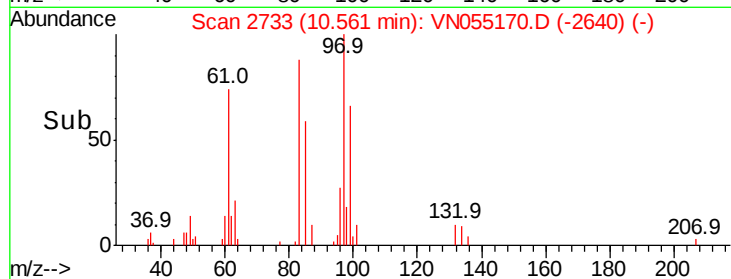
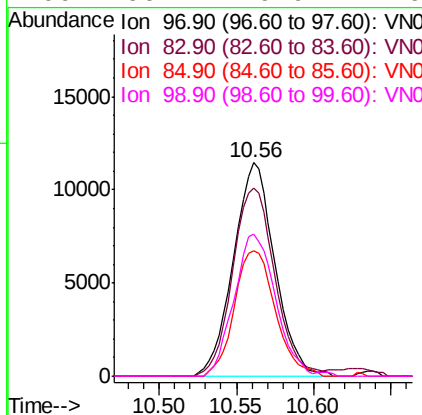
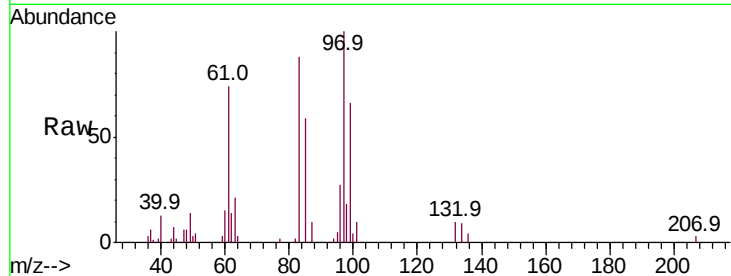
#55
 1,1,2-Trichloroethane
 Concen: 4.918 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	21338
Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.5	107.3
85	58.6	45.8	68.6
99	66.4	49.9	74.9

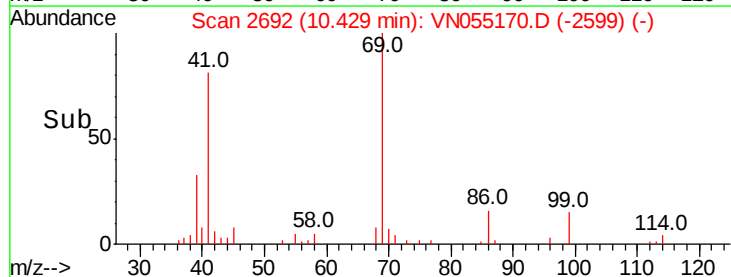
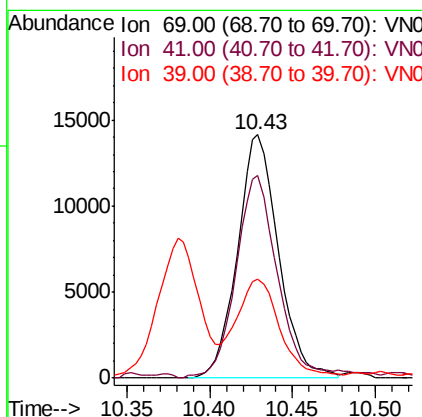
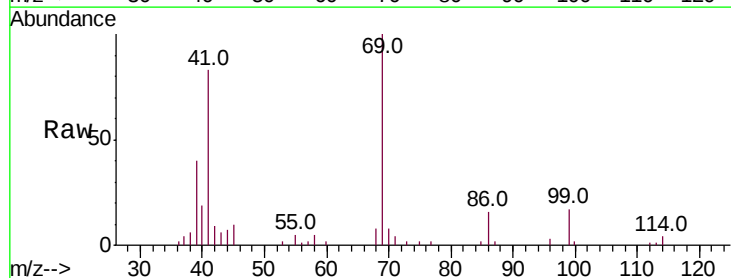
Manual Integrations
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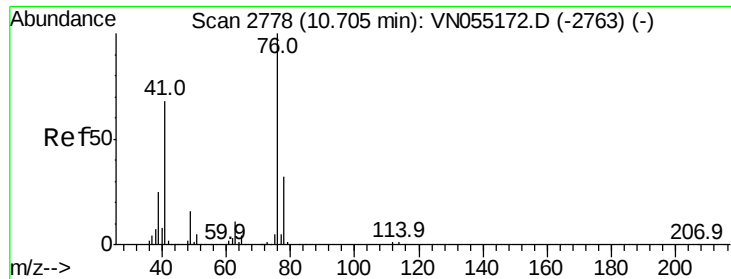
MMDadoda
 4/23/2019 1:46:27 PM



#56
 Ethyl methacrylate
 Concen: 4.498 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Tgt Ion:	69	Resp:	24309
Ion	Ratio	Lower	Upper
69	100		
41	86.3	60.6	90.8
39	41.1	31.7	47.5





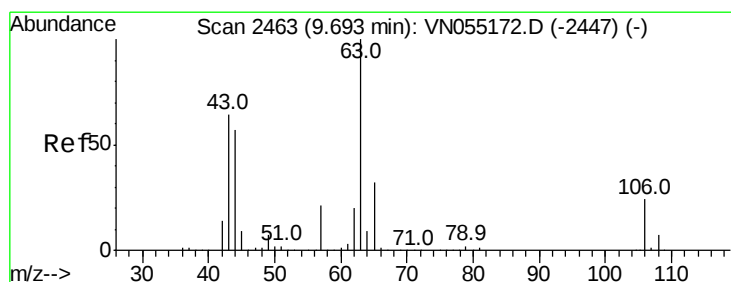
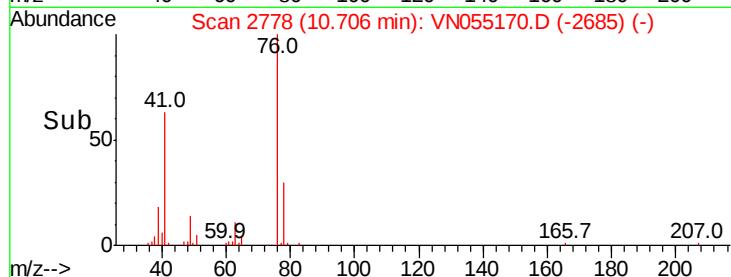
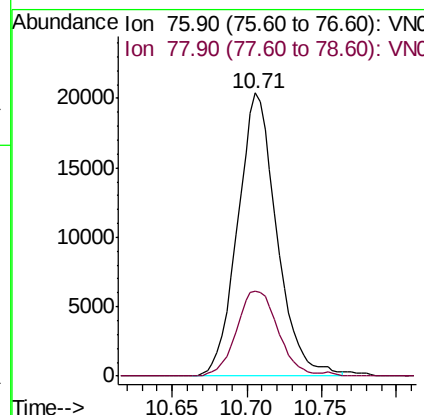
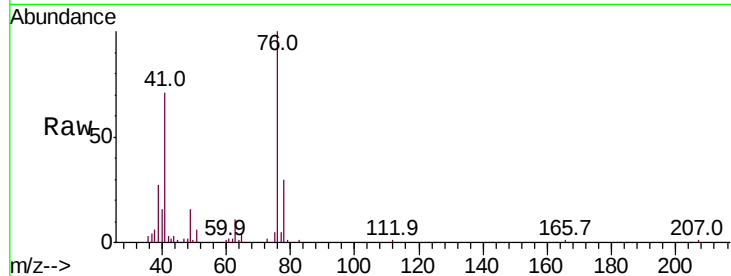
#57
 1,3-Dichloropropane
 Concen: 4.910 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.3	37.9

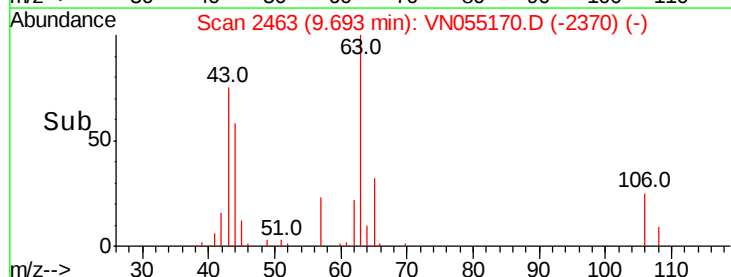
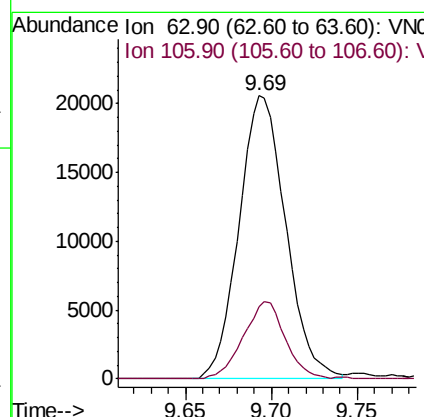
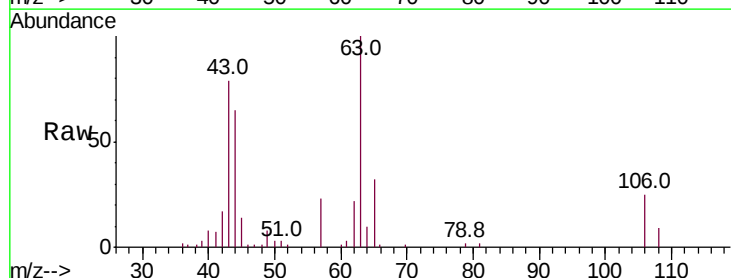
Manual Integrations
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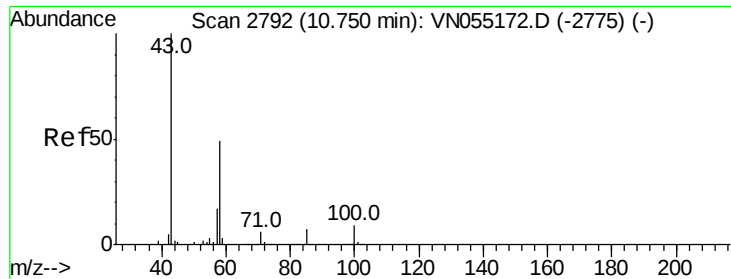
MMDadoda
 4/23/2019 1:46:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.304 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.5	19.4	29.0





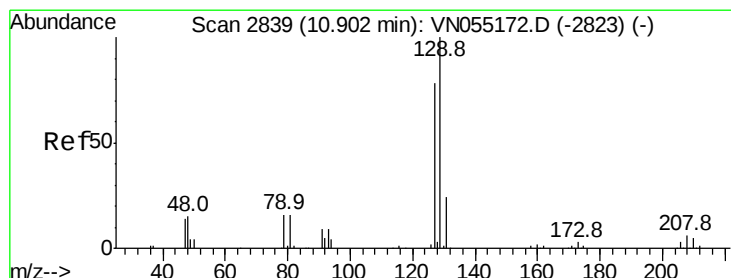
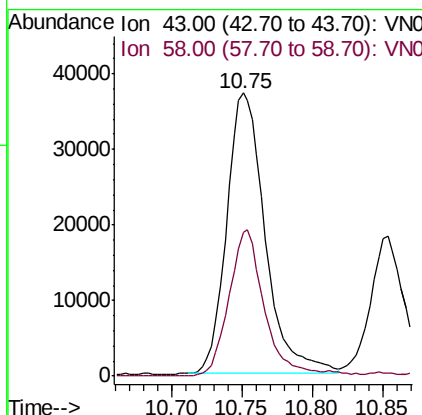
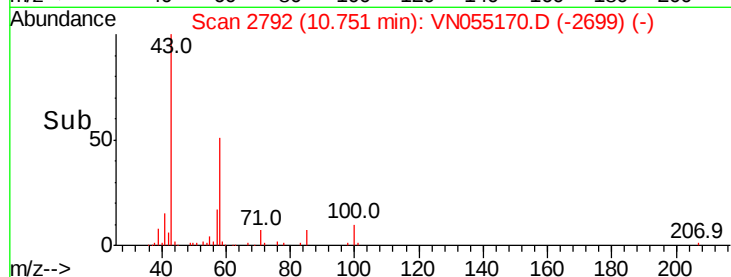
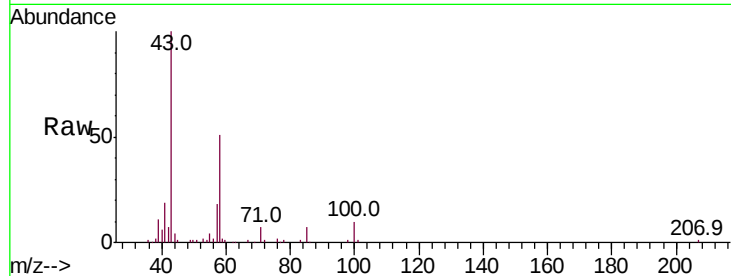
#59
2-Hexanone
Concen: 22.871 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 70648
Ion Ratio Lower Upper
43 100
58 49.0 24.5 73.5

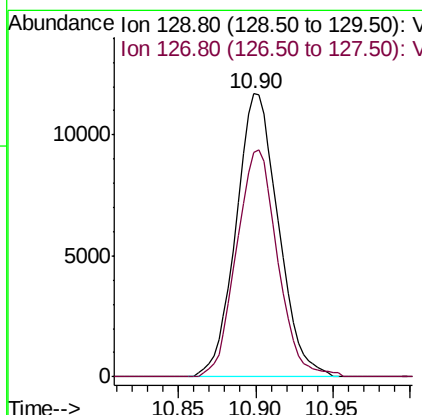
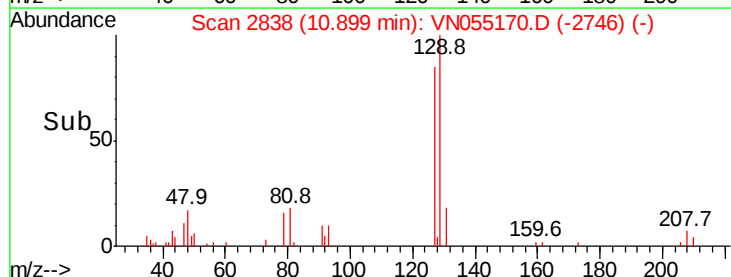
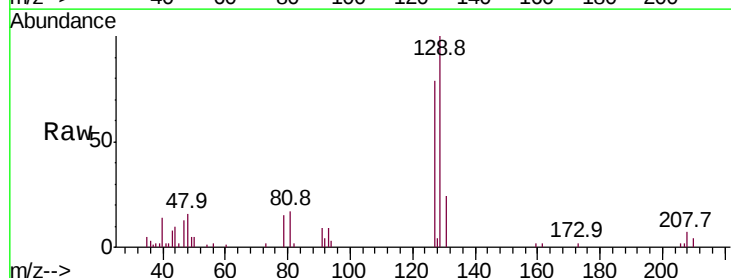
Manual Integrations
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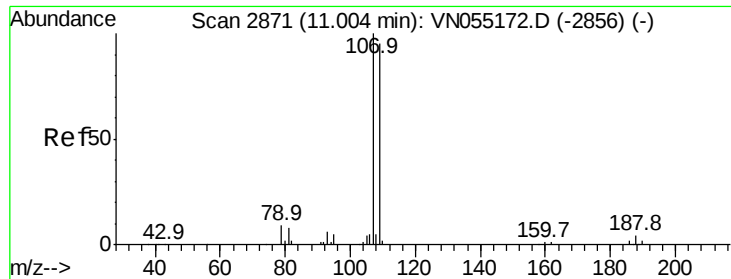
MMDadoda
4/23/2019 1:46:27 PM



#60
Dibromochloromethane
Concen: 4.979 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Tgt Ion: 129 Resp: 22249
Ion Ratio Lower Upper
129 100
127 77.9 39.0 117.0





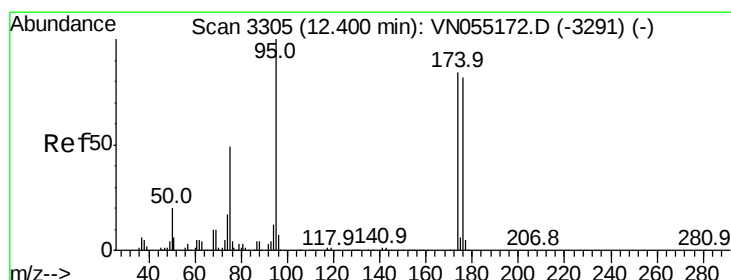
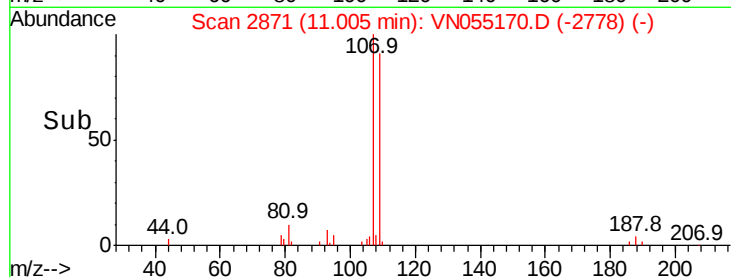
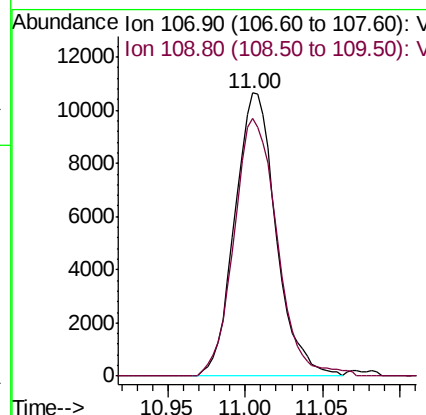
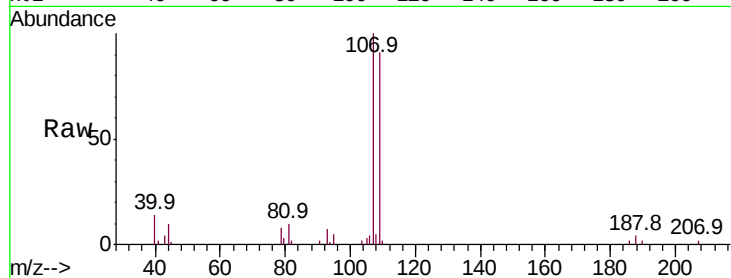
#61
 1,2-Dibromoethane
 Concen: 4.841 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 19747
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.8 113.6

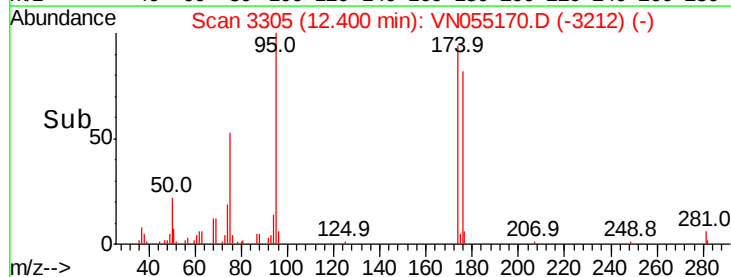
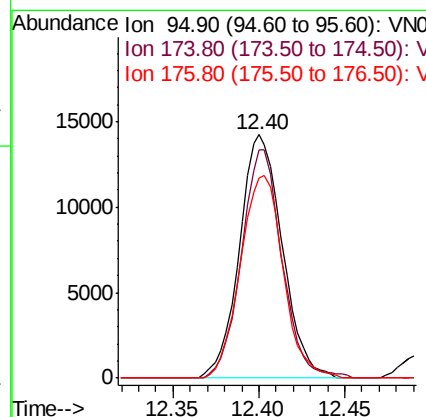
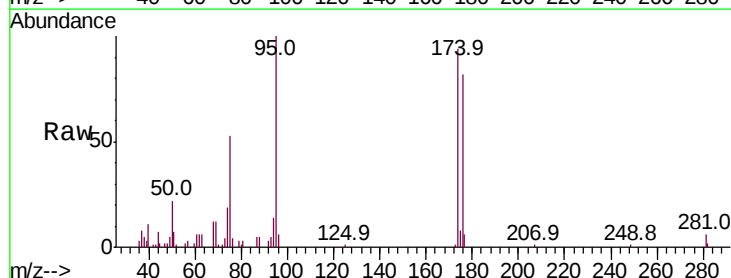
Manual Integrations
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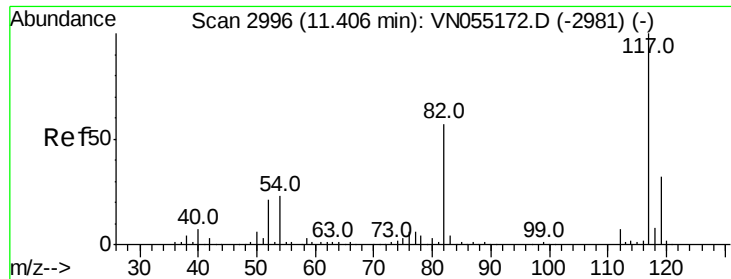
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 4/23/2019 1:46:27 PM



#62
 4-Bromofluorobenzene
 Concen: 4.294 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Tgt Ion: 95 Resp: 24627
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 168.4
 176 83.2 0.0 164.0





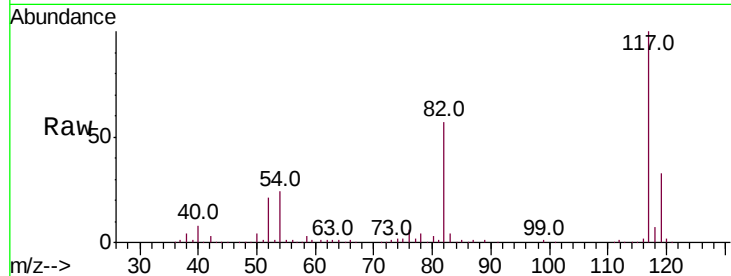
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	591265		
82	56.9	45.7	68.5	
119	32.5	25.4	38.2	

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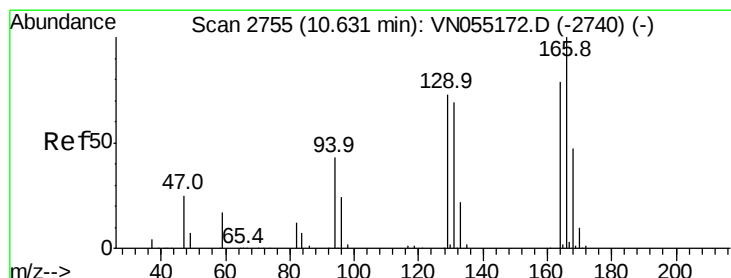
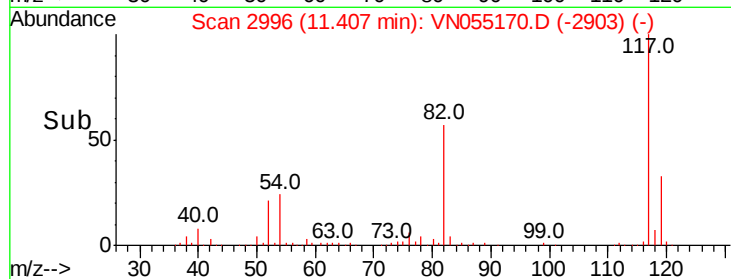
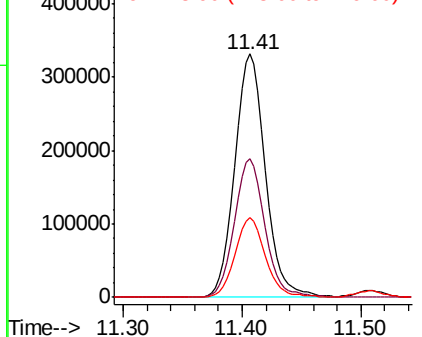


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.460 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26338		
166	124.1	101.9	152.9	
129	84.4	74.1	111.1	
131	87.3	70.6	106.0	

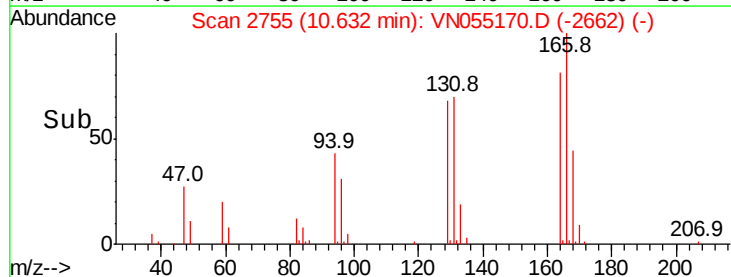
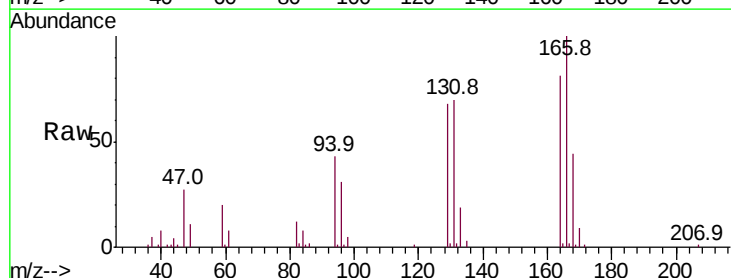
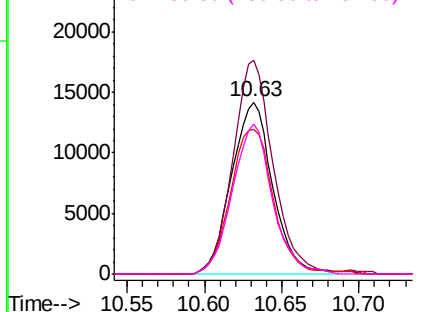
Abundance

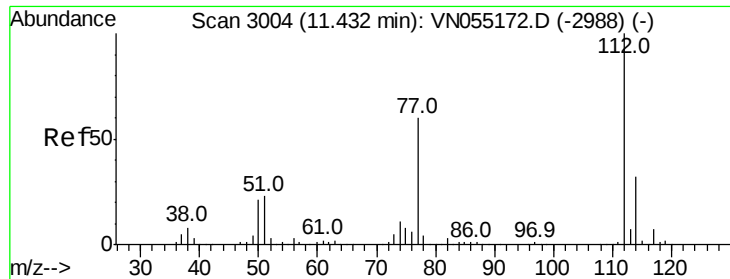
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 4.933 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 59529

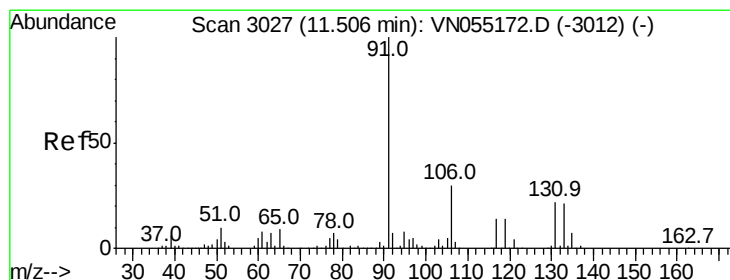
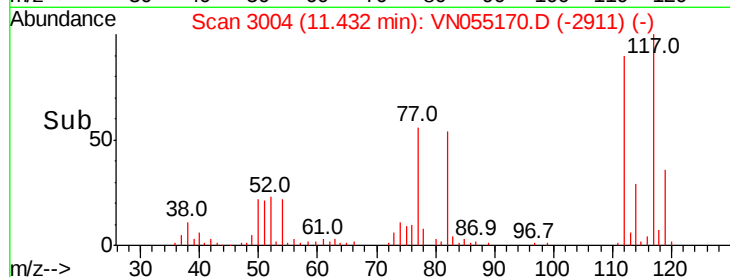
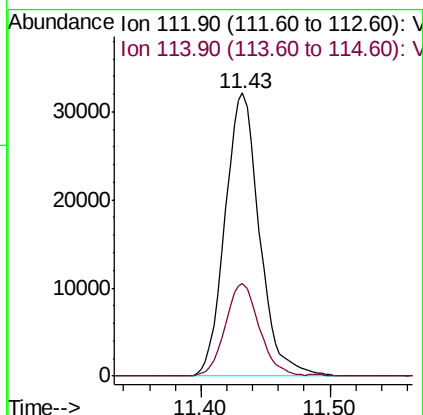
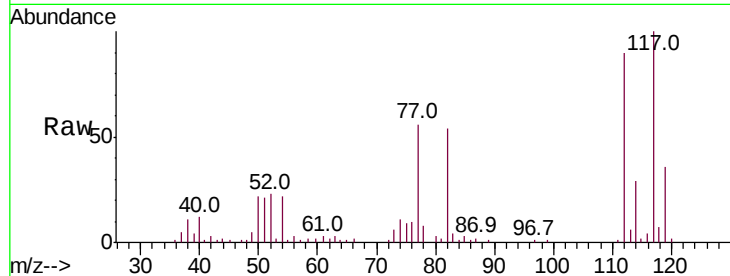
Ion Ratio Lower Upper

112 100

114 32.6 25.4 38.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 5.087 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

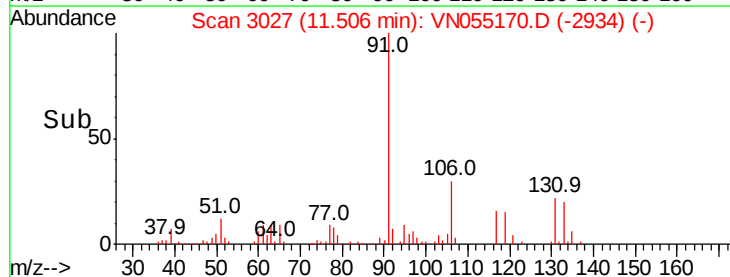
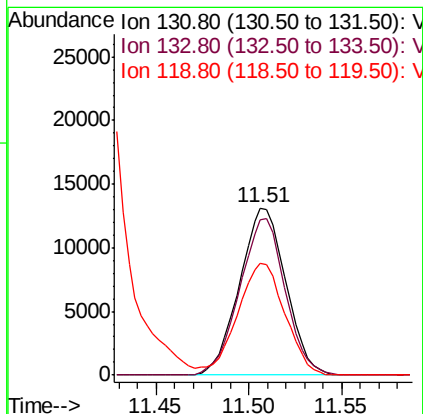
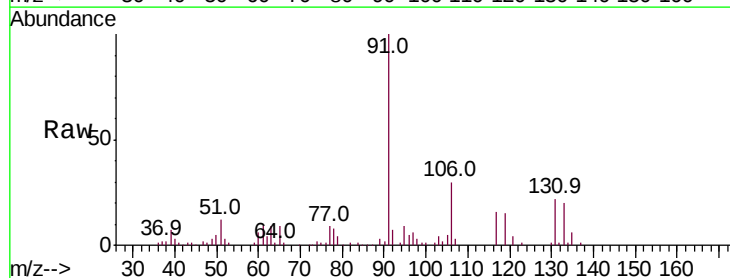
Tgt Ion:131 Resp: 22753

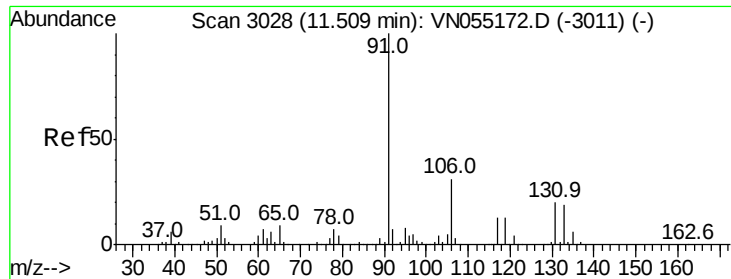
Ion Ratio Lower Upper

131 100

133 92.3 47.7 143.1

119 68.4 33.2 99.6





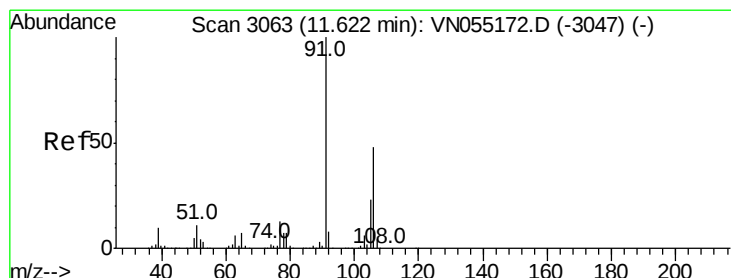
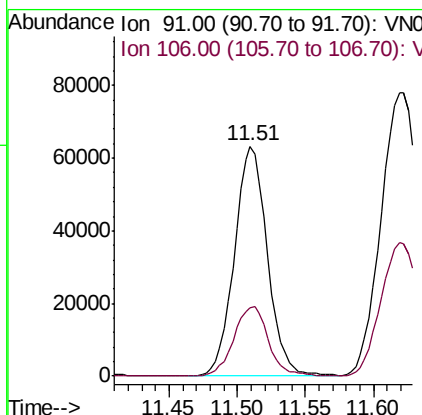
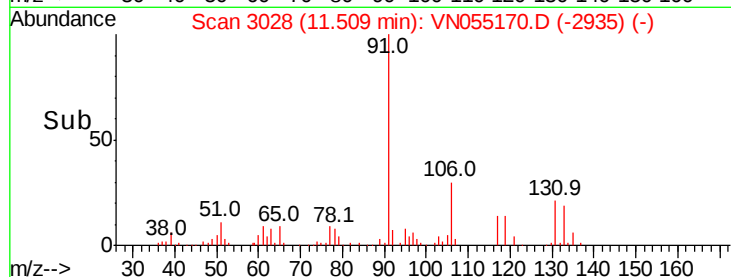
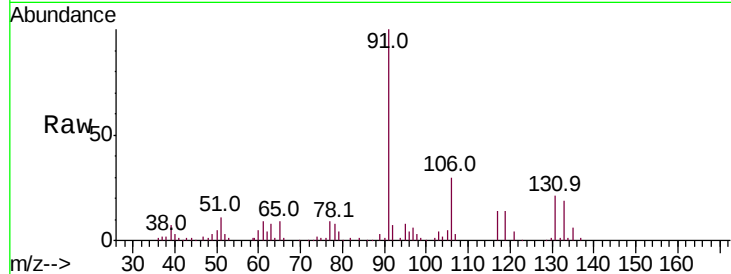
#67
Ethyl Benzene
Concen: 4.932 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 106035
Ion Ratio Lower Upper
91 100
106 29.8 24.5 36.7

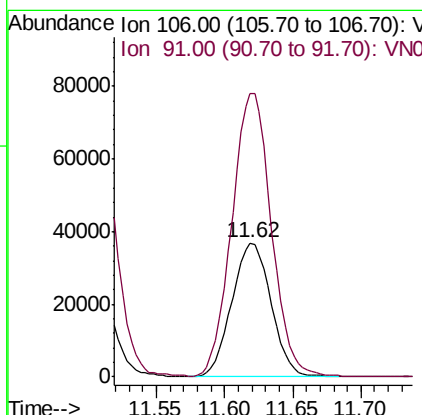
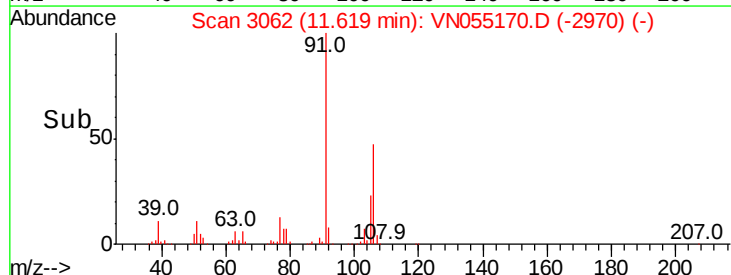
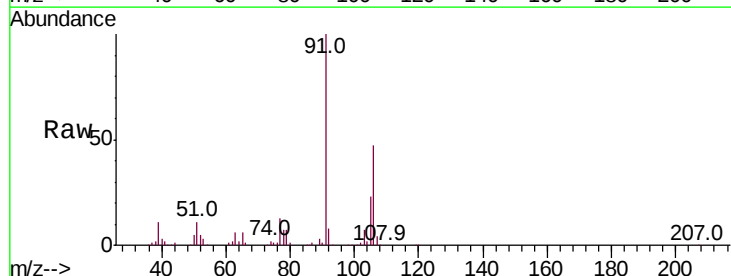
Manual Integrations
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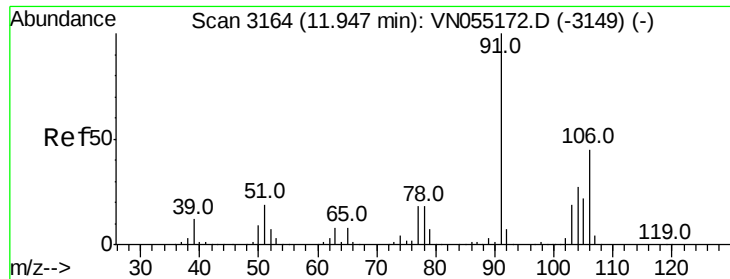
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#68
m/p-Xylenes
Concen: 9.593 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Tgt Ion: 106 Resp: 73963
Ion Ratio Lower Upper
106 100
91 212.3 167.1 250.7





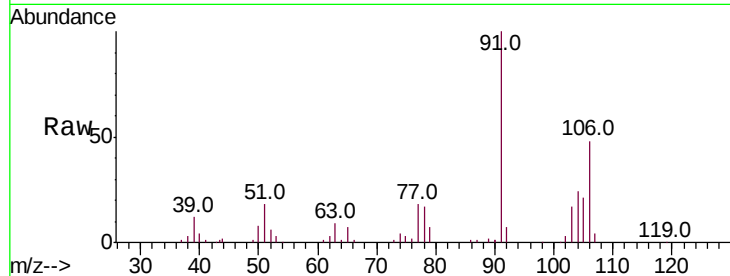
#69
o-Xylene
Concen: 5.058 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

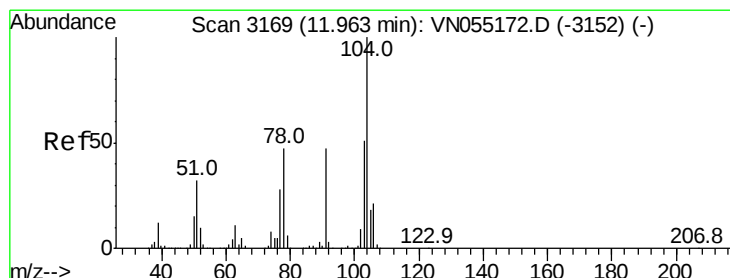
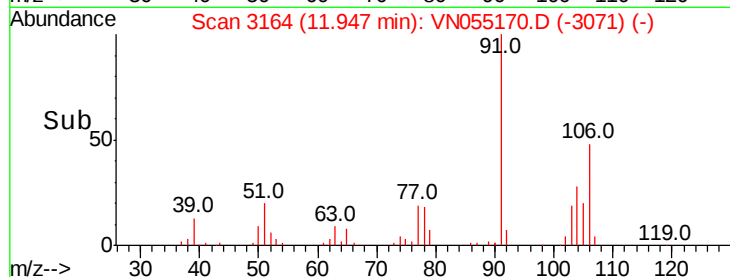
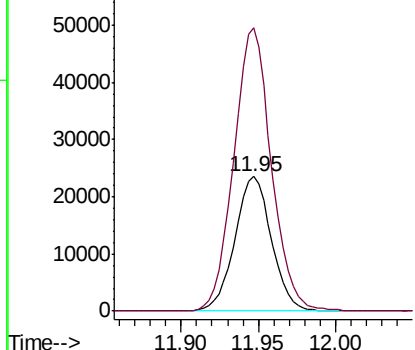
Tot Ion:106 Resp: 38699
Ion Ratio Lower Upper
106 100
91 215.5 110.6 331.8

Manual Integrations
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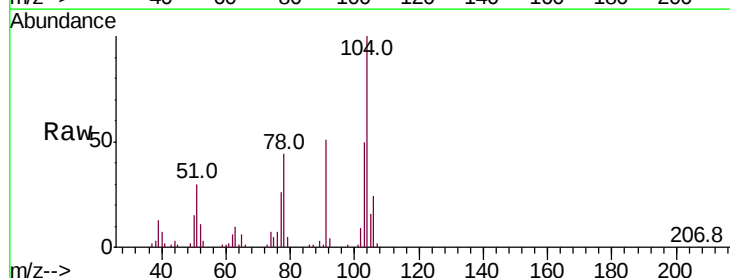


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

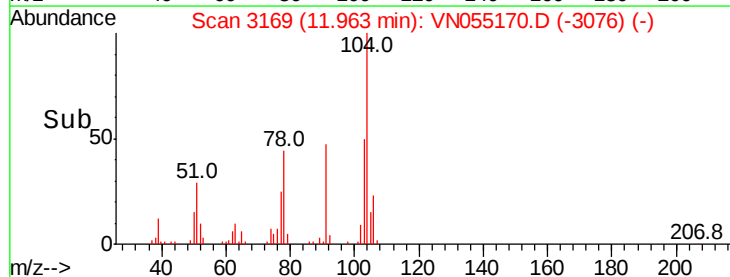
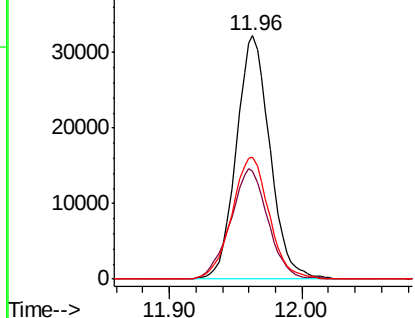


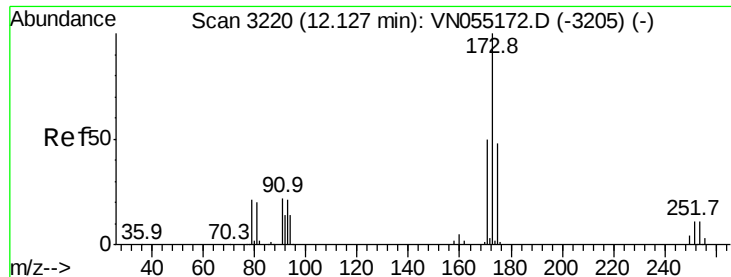
#70
Styrene
Concen: 4.776 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Tgt Ion:104 Resp: 56647
Ion Ratio Lower Upper
104 100
78 50.4 41.3 61.9
103 55.7 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 4.507 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 12029

Ion Ratio Lower Upper

173 100

175 50.8 23.8 71.2

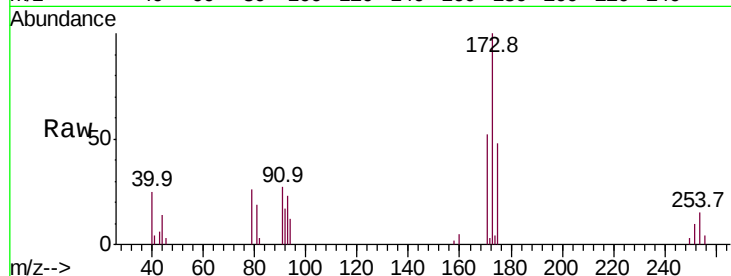
254 0.0 0.1 0.1#

Manual Integrations

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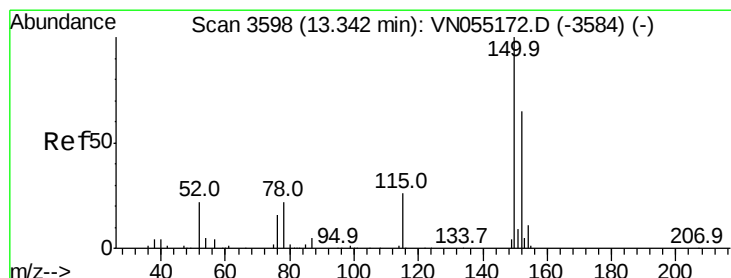
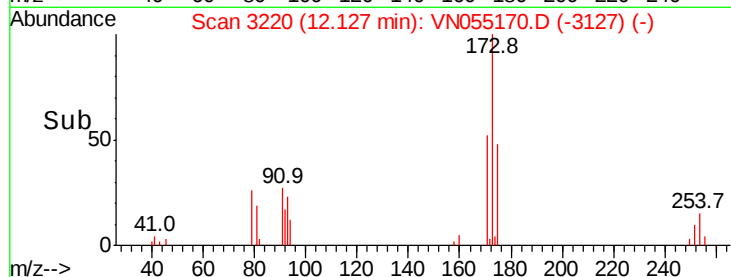
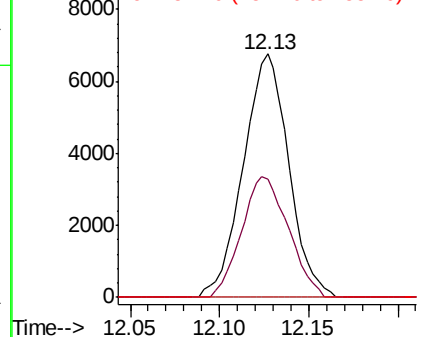
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN055170.D

Acq: 22 Apr 2019 9:47

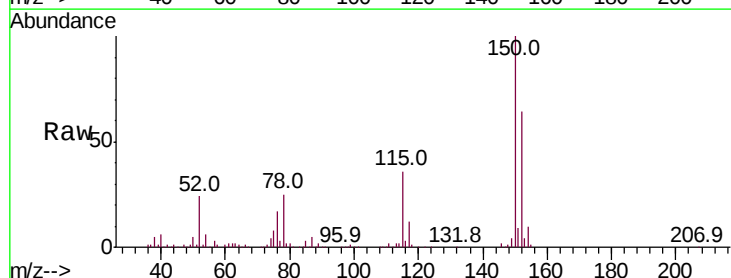
Tgt Ion:152 Resp: 190524

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

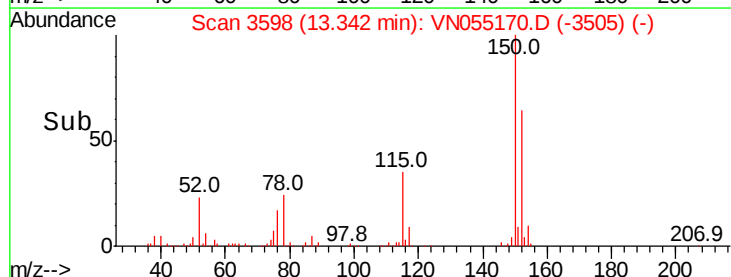
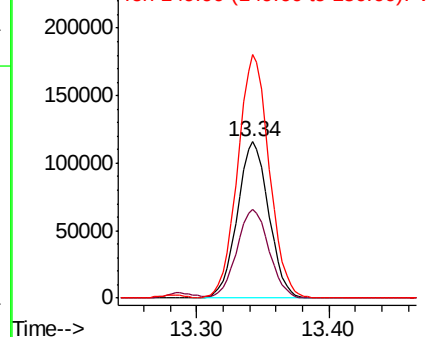
150 156.5 0.0 346.6

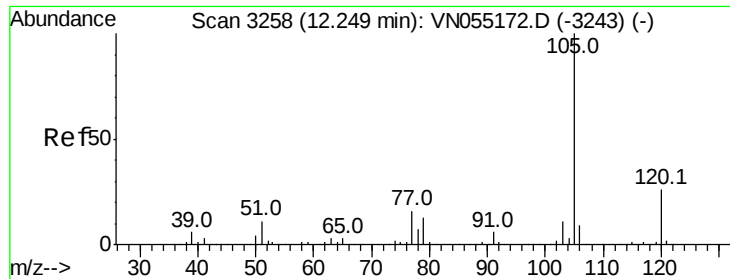


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.444 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 99578

Ion Ratio Lower Upper

105 100

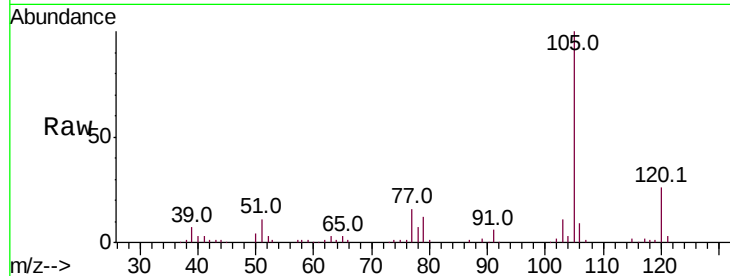
120 26.7 13.1 39.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

60000

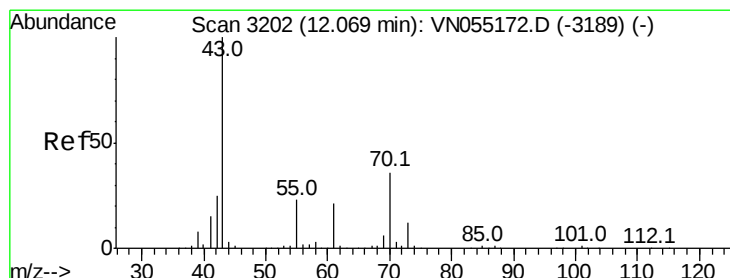
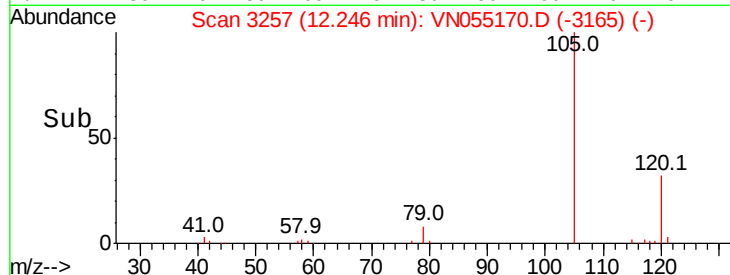
40000

20000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 4.824 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tgt Ion: 43 Resp: 23696

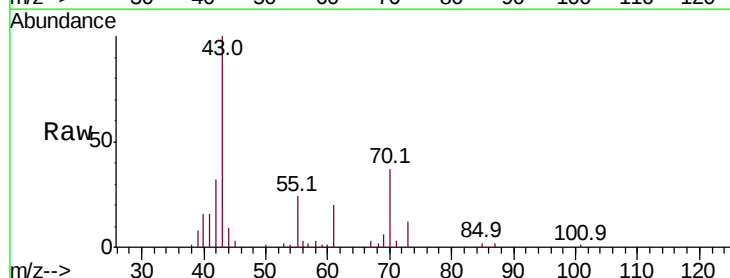
Ion Ratio Lower Upper

43 100

70 35.8 29.0 43.6

55 23.0 18.5 27.7

61 20.6 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

12.07

20000

15000

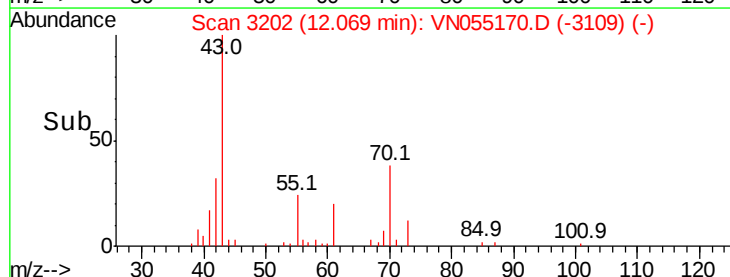
10000

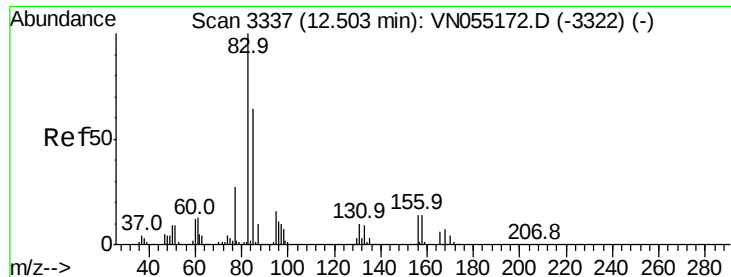
5000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 5.389 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

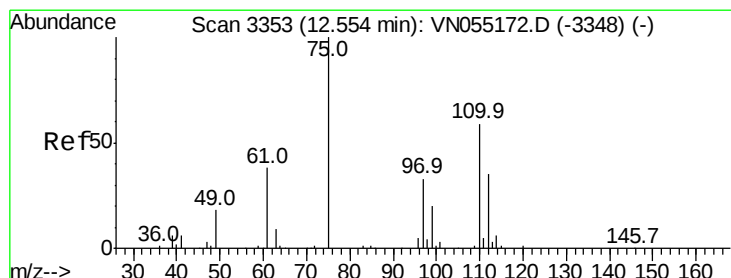
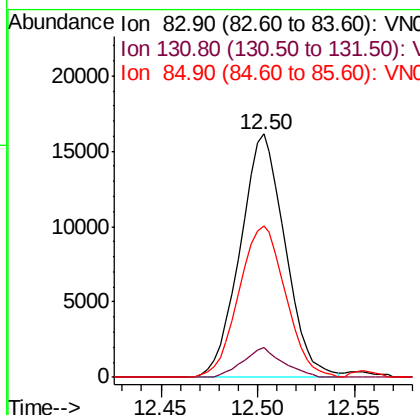
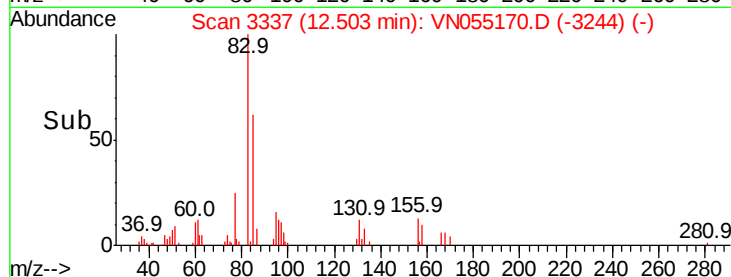
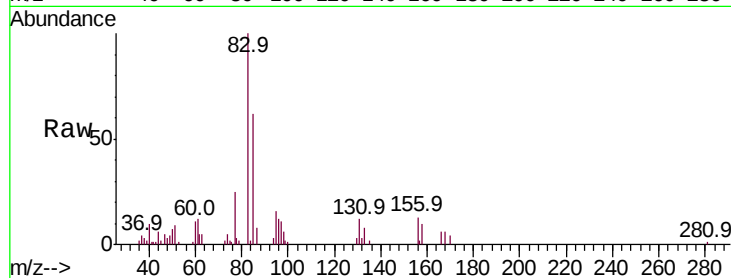
ClientSampleId :

VSTDIC005

Tot Ion	83	Resp	26082
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.0	15.0
85	64.7	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.988 ug/l m

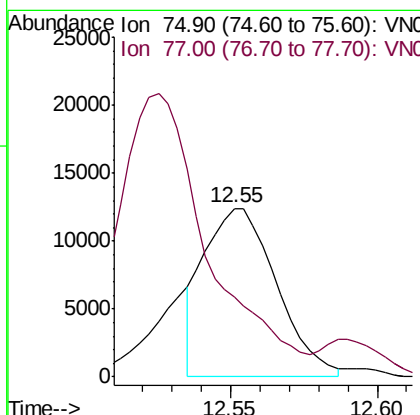
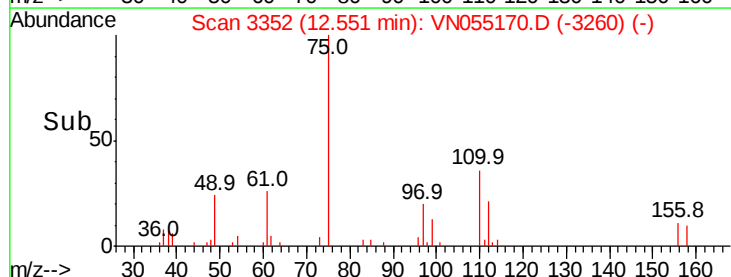
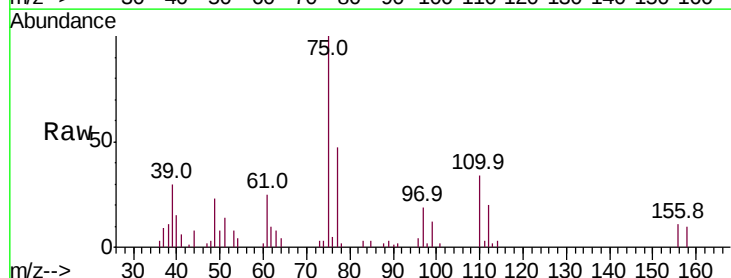
RT: 12.55 min Scan# 3352

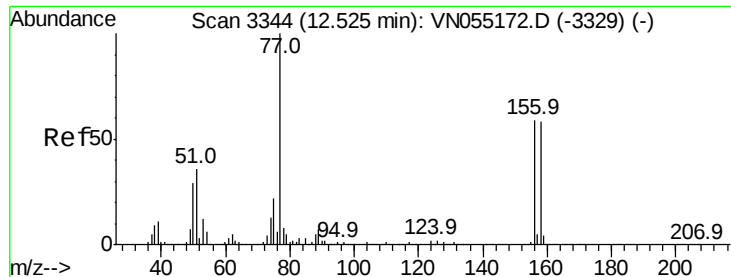
Delta R.T. -0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tgt Ion	75	Resp	21379
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





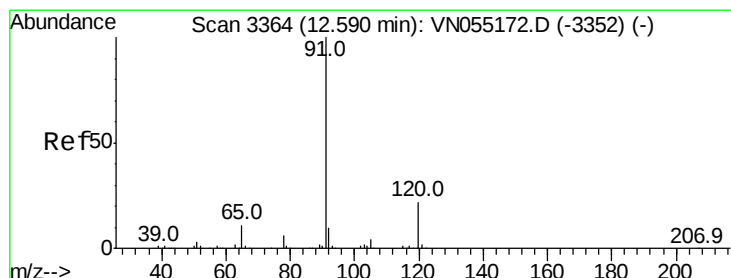
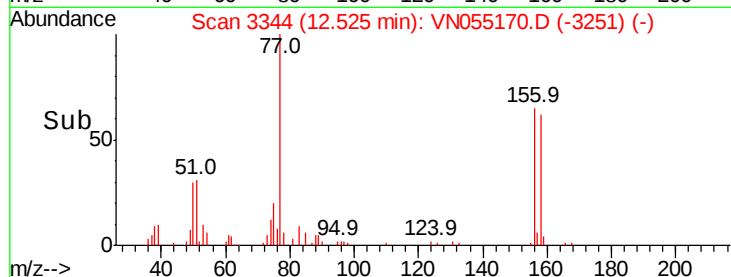
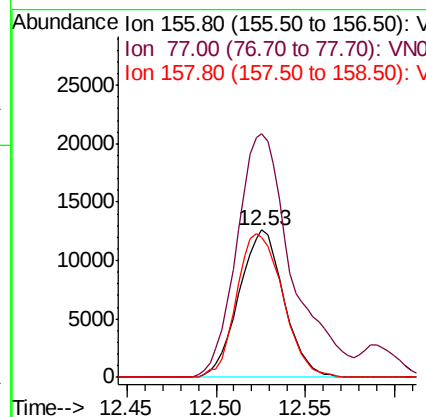
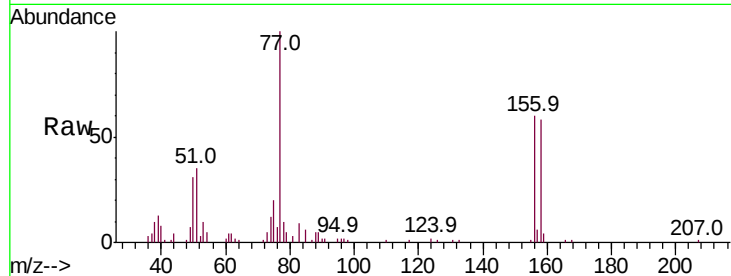
#77
Bromobenzene
Concen: 5.252 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	204.1	98.0	293.9
158	100.7	48.9	146.8

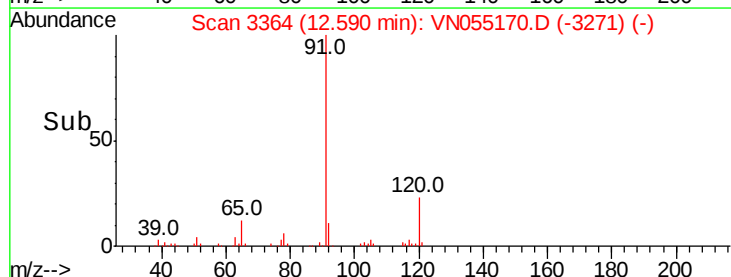
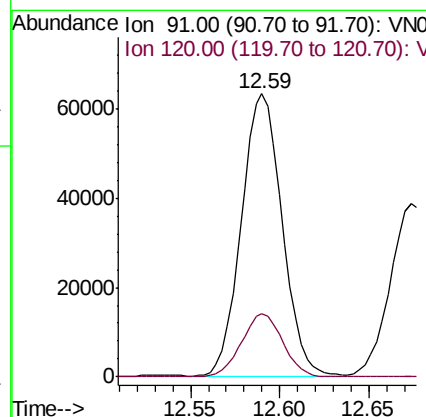
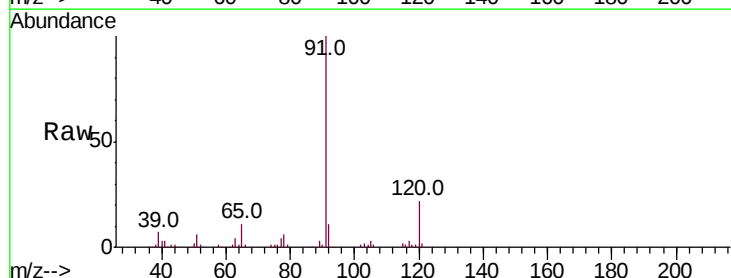
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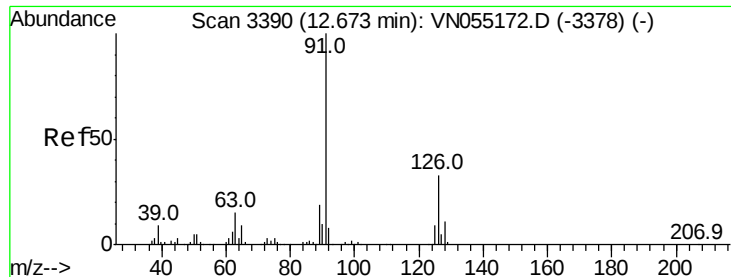
MMDadoda
4/23/2019 1:46:27 PM



#78
n-propylbenzene
Concen: 5.245 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9





#79

2-Chlorotoluene

Concen: 5.367 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 64757

Ion Ratio Lower Upper

91 100

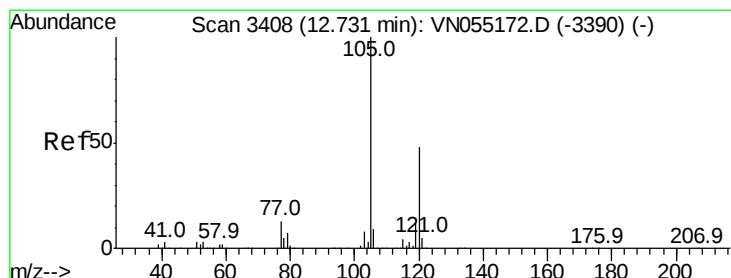
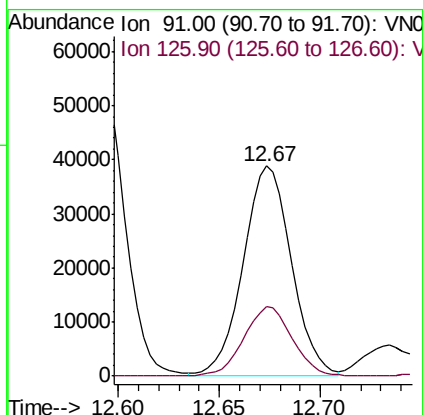
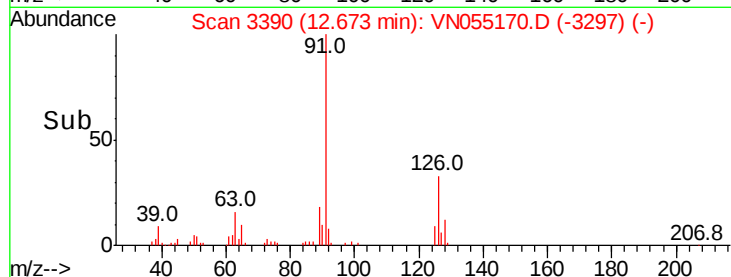
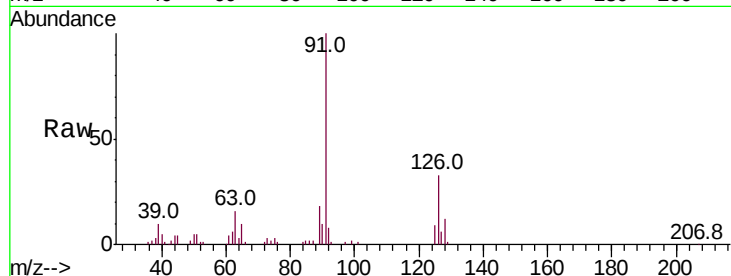
126 33.2 16.8 50.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.383 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055170.D

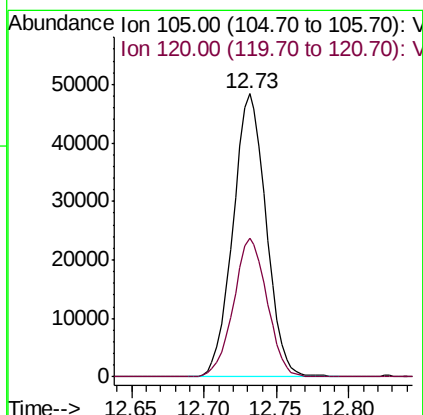
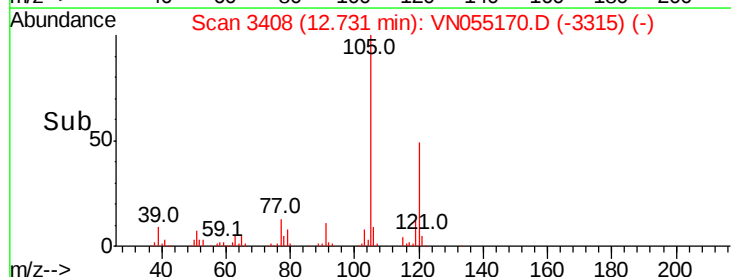
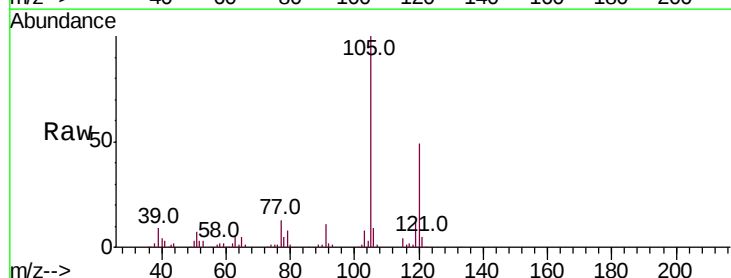
Acq: 22 Apr 2019 9:47

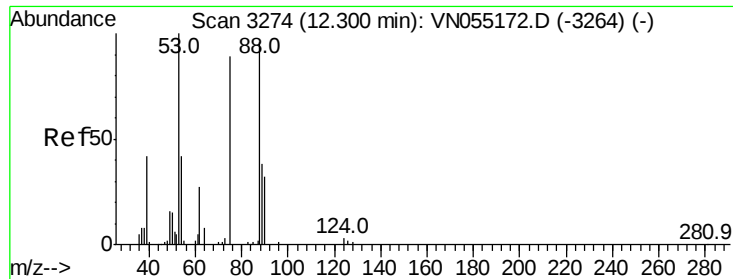
Tgt Ion: 105 Resp: 76775

Ion Ratio Lower Upper

105 100

120 49.4 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 4.902 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

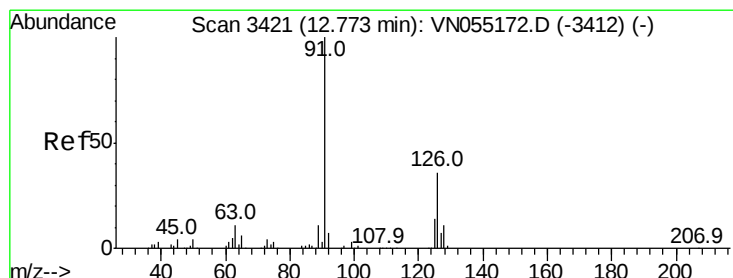
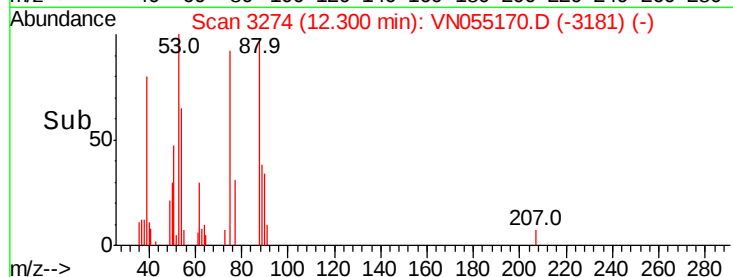
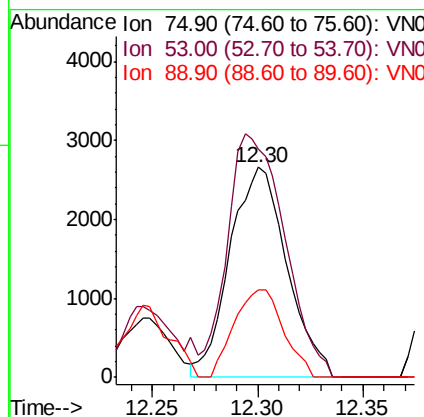
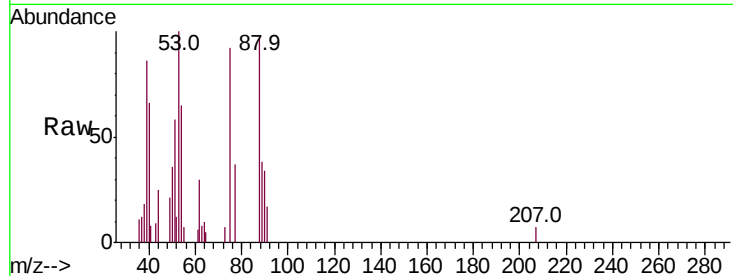
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	4998
Ion	Ratio	Lower	Upper
75	100		
53	116.4	90.1	135.1
89	35.9	36.7	55.1#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.159 ug/l

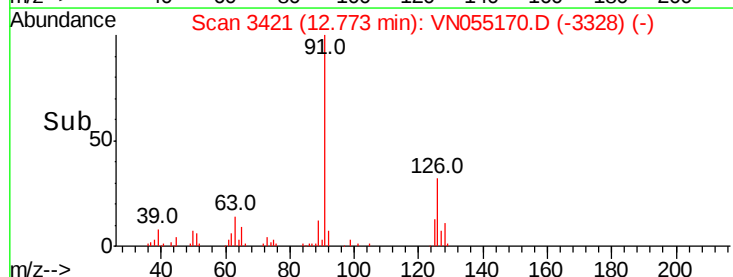
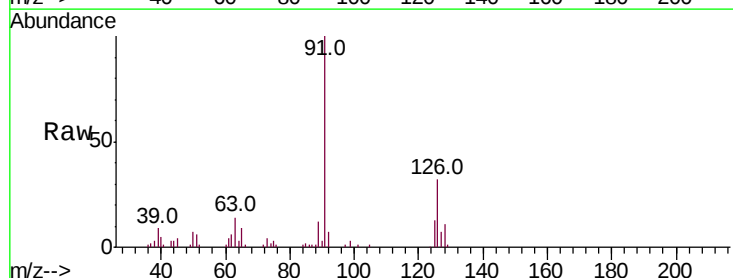
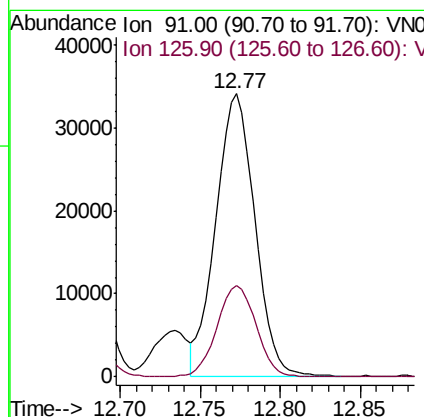
RT: 12.77 min Scan# 3421

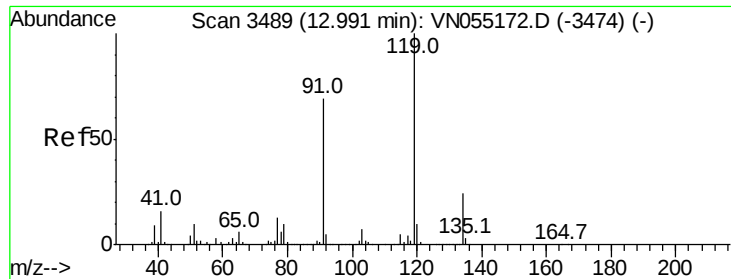
Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tgt Ion:	91	Resp:	57268
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.5	49.5





#83

tert-Butylbenzene

Concen: 5.516 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

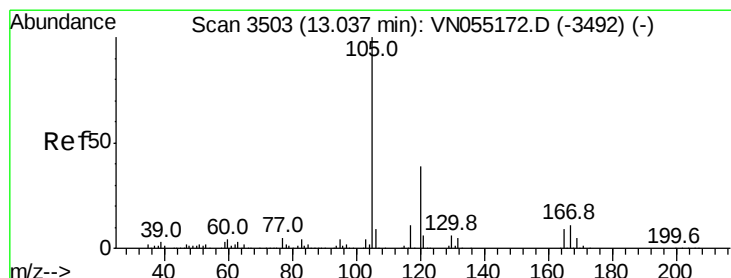
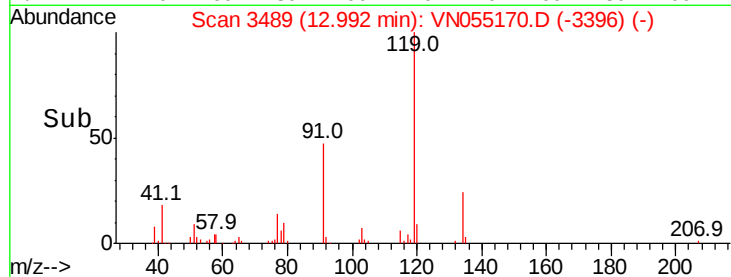
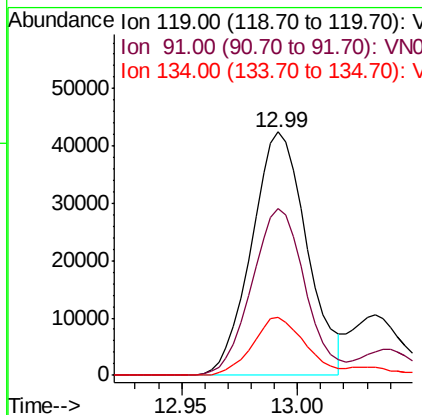
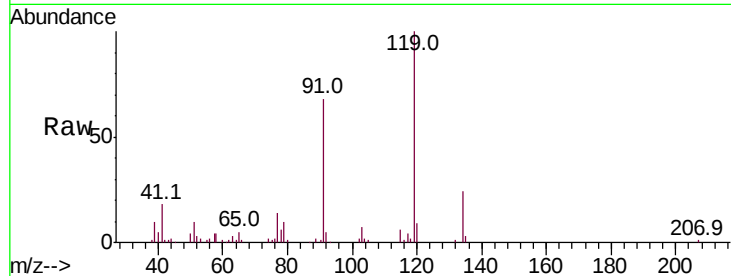
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	70387
Ion Ratio	Lower	Upper	
119	100		
91	66.3	33.8	101.3
134	23.0	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 5.096 ug/l

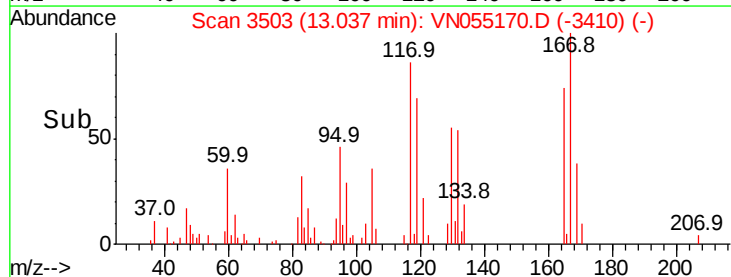
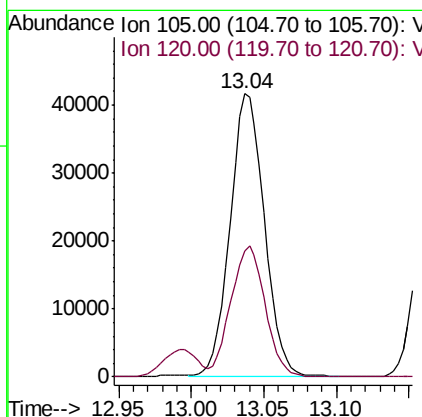
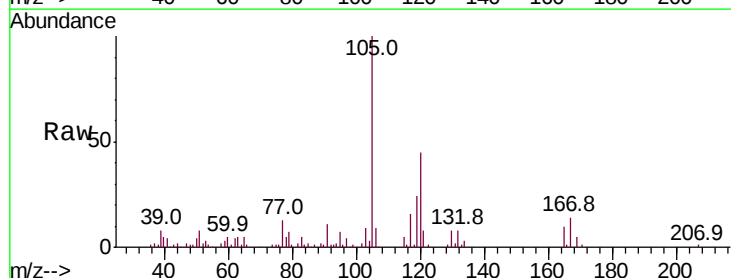
RT: 13.04 min Scan# 3503

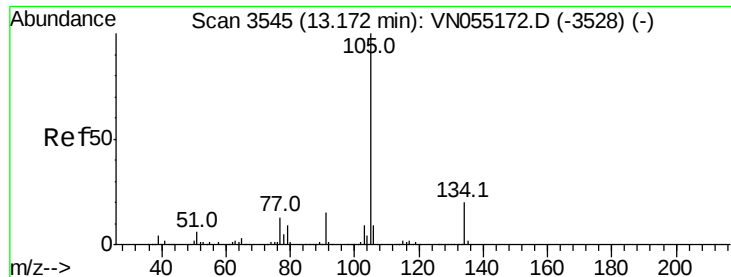
Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tgt Ion:	105	Resp:	68584
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.7	68.1





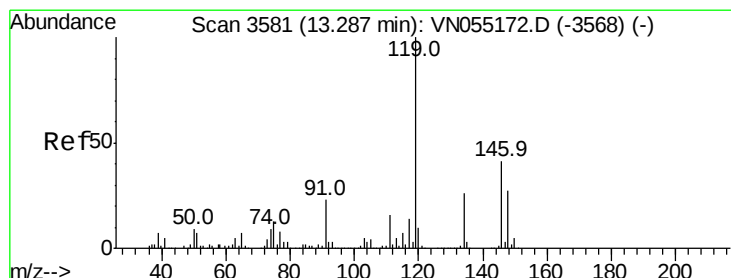
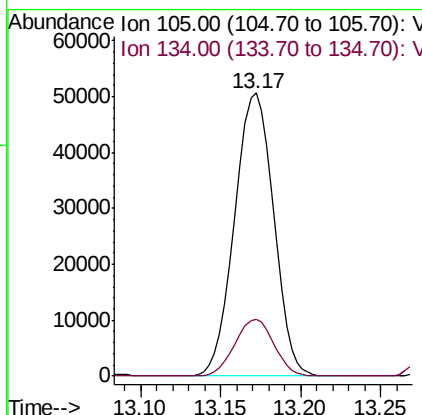
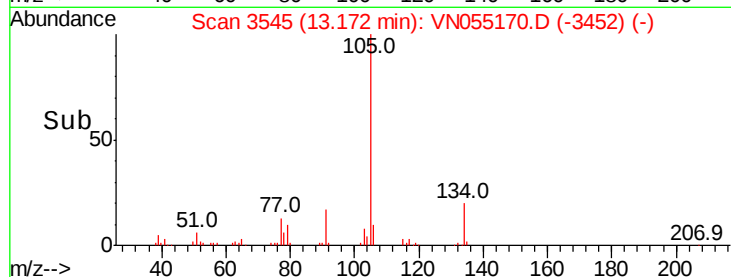
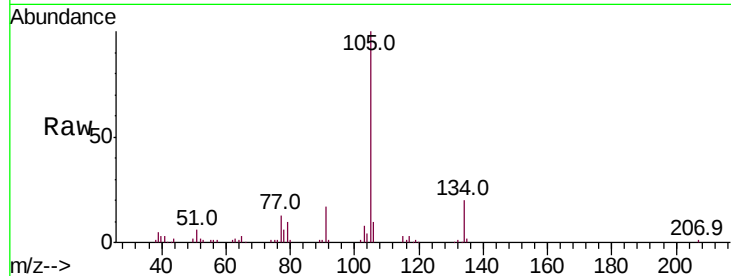
#85
 sec-Butylbenzene
 Concen: 5.229 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

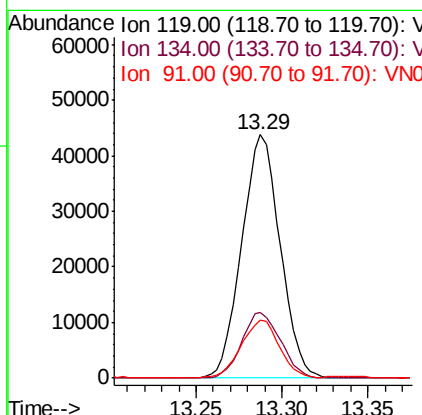
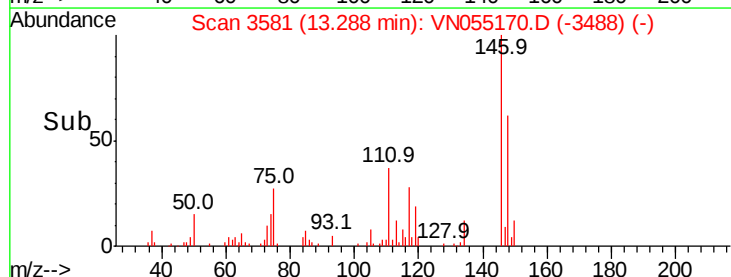
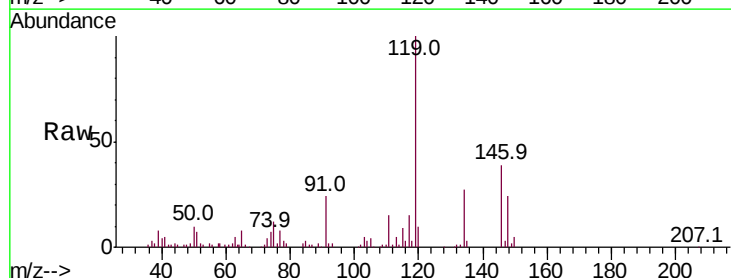
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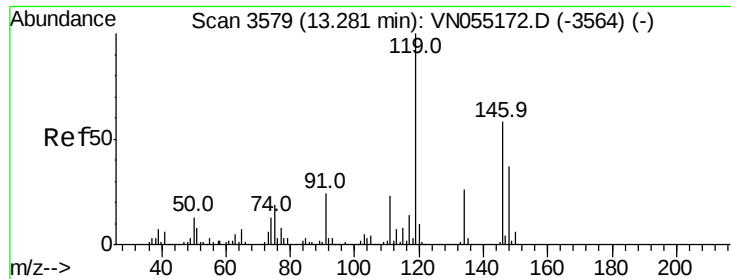
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#86
 p-Isopropyltoluene
 Concen: 5.108 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.1	39.3
91	23.7	11.8	35.3





#87

1,3-Dichlorobenzene

Concen: 5.059 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055170.D

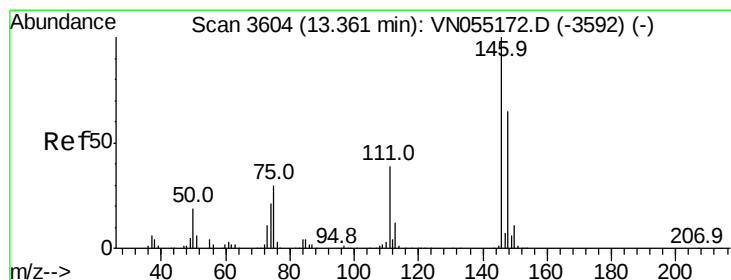
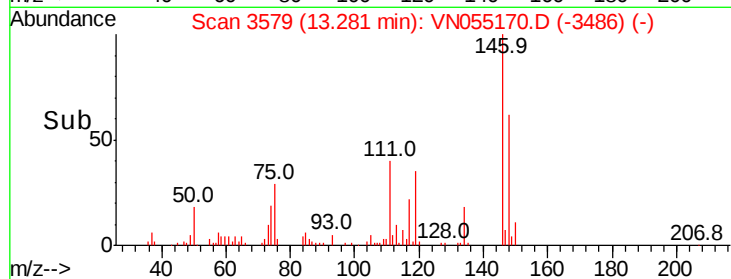
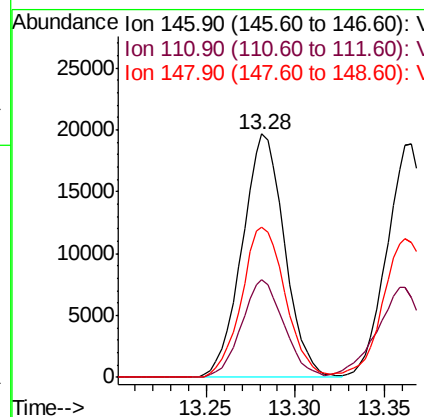
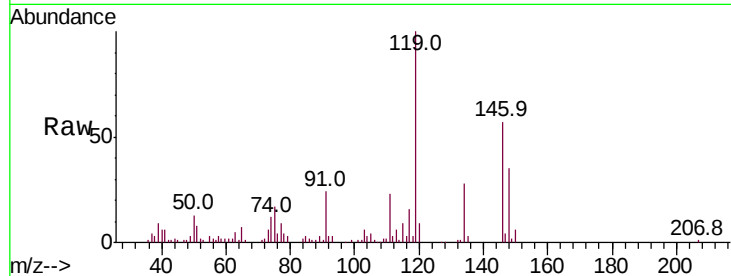
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	63.6	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 4.903 ug/l

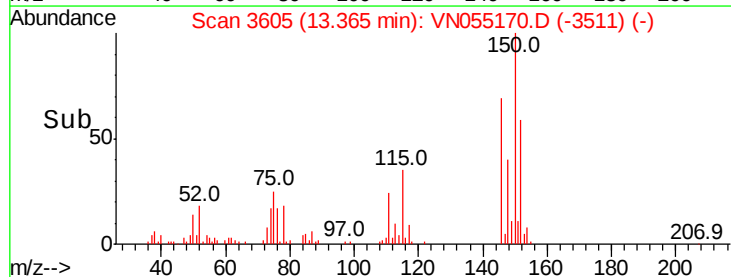
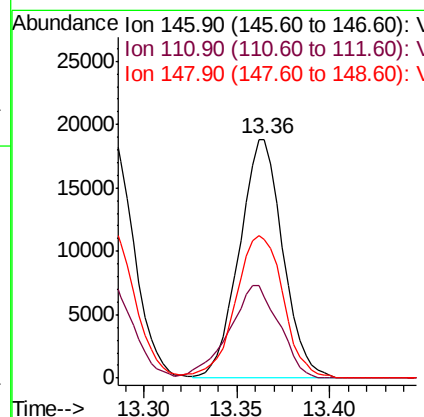
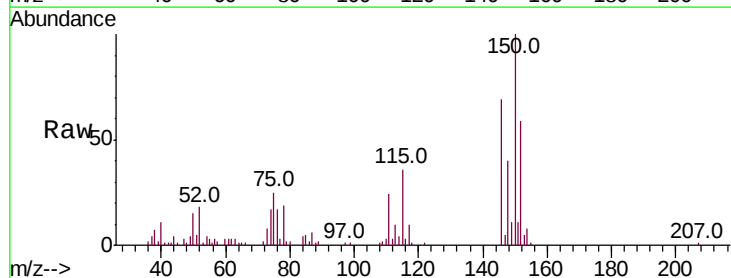
RT: 13.36 min Scan# 3605

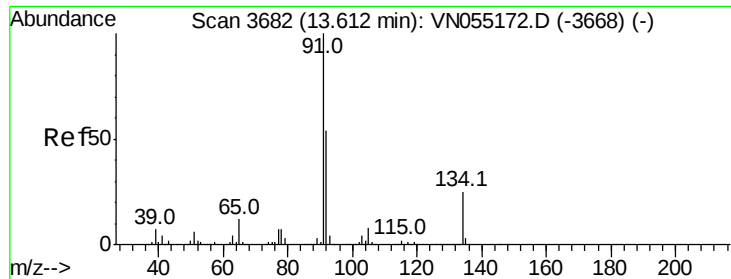
Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	19.4	58.2
148	65.5	32.9	98.6





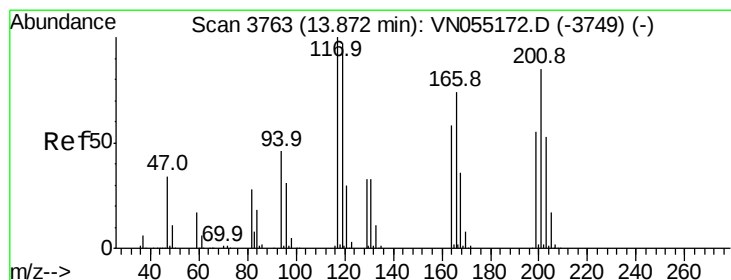
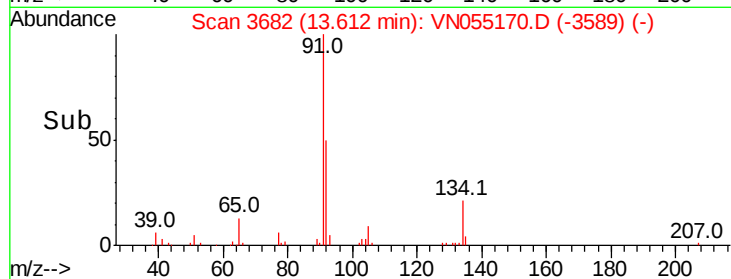
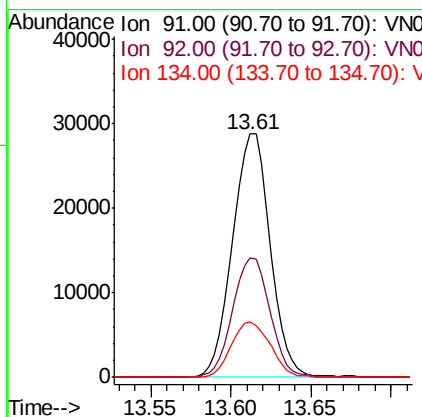
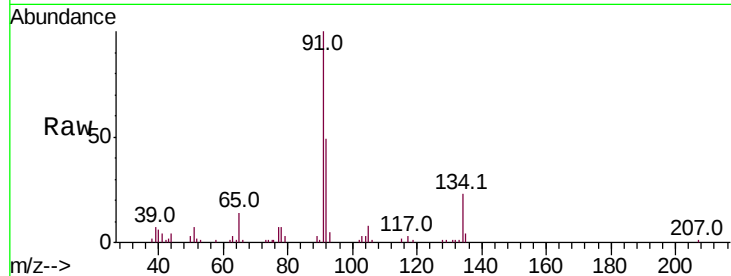
#89
n-Butylbenzene
Concen: 4.693 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.4	26.4	79.2
134	23.4	12.8	38.4

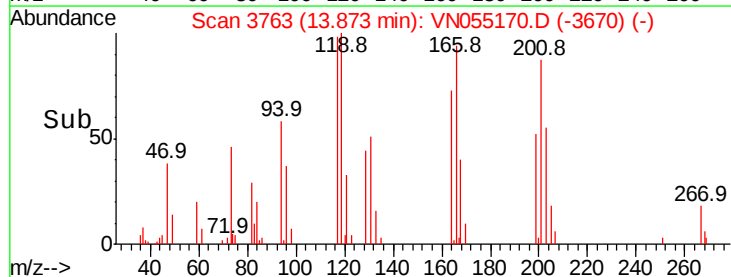
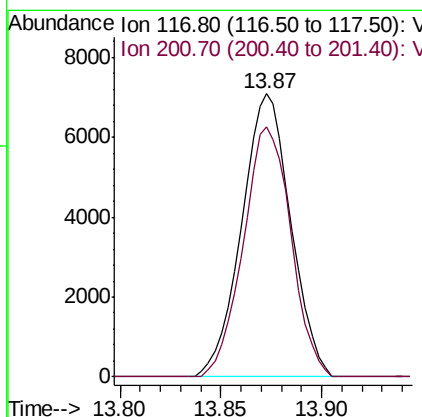
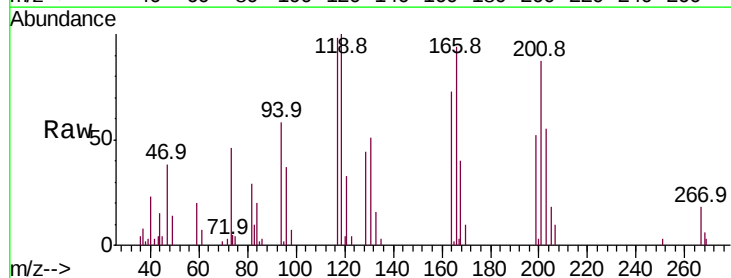
Manual Integrations
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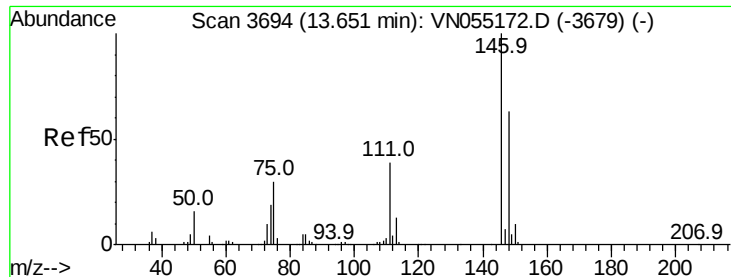
MMDadoda
4/23/2019 1:46:27 PM



#90
Hexachloroethane
Concen: 5.111 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055170.D
Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	43.1	129.4





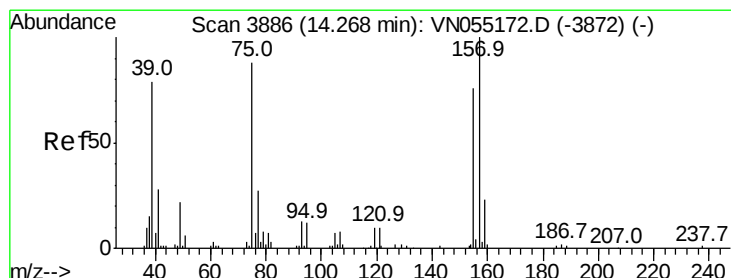
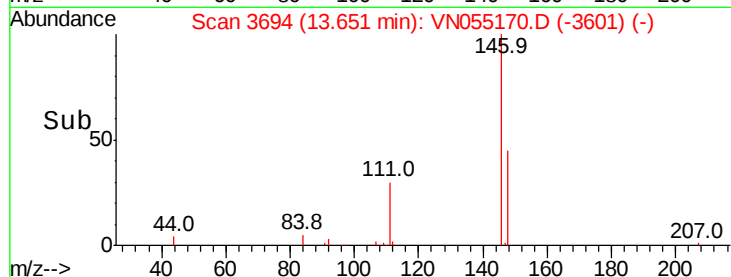
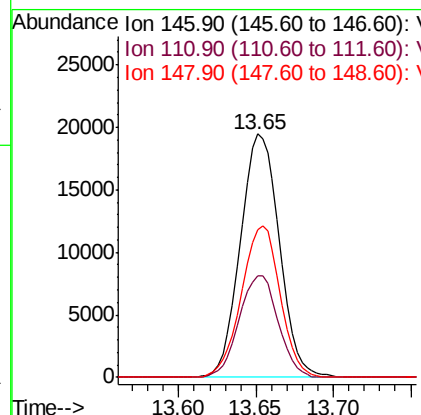
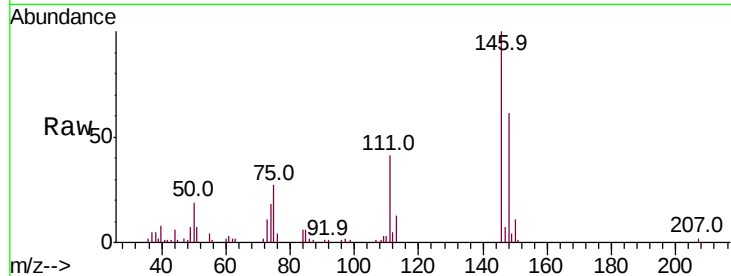
#91
 1,2-Dichlorobenzene
 Concen: 5.141 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.8	59.3
148	61.8	31.7	95.1

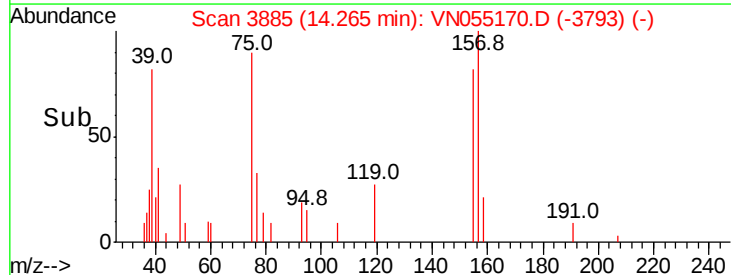
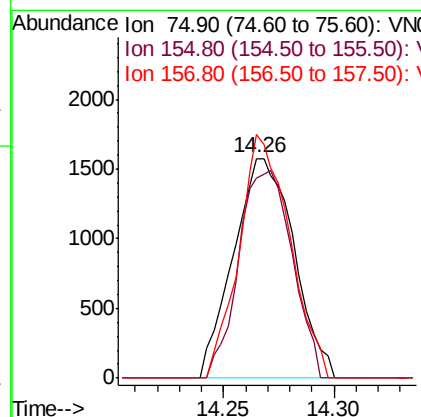
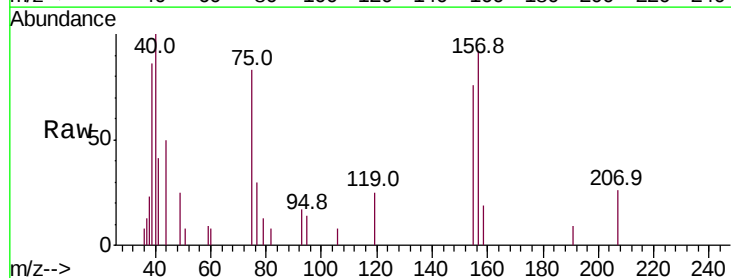
Manual Integrations
 APPROVED

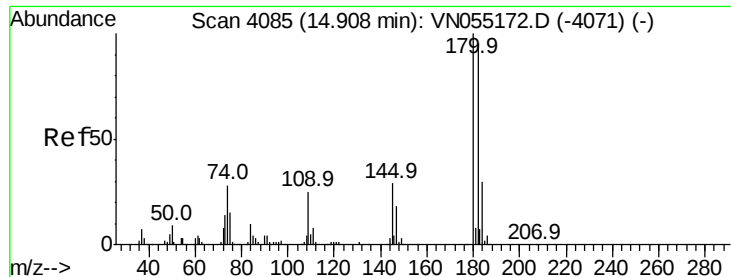
MMDadoda
 4/23/2019 1:46:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.179 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN055170.D
 Acq: 22 Apr 2019 9:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	43.0	129.0
157	93.1	55.7	167.1





#93

1,2,4-Trichlorobenzene

Concen: 3.641 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

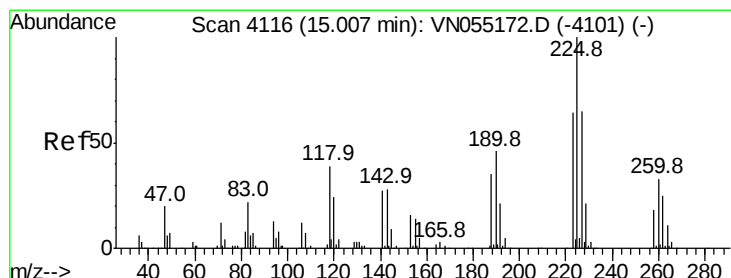
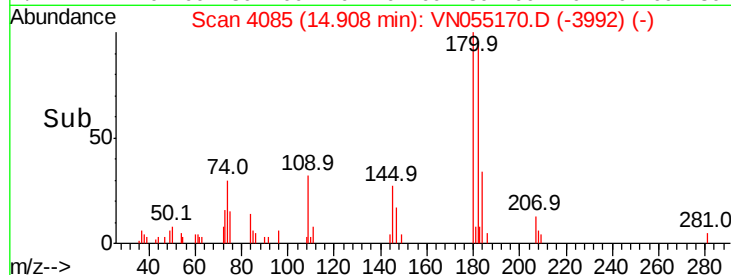
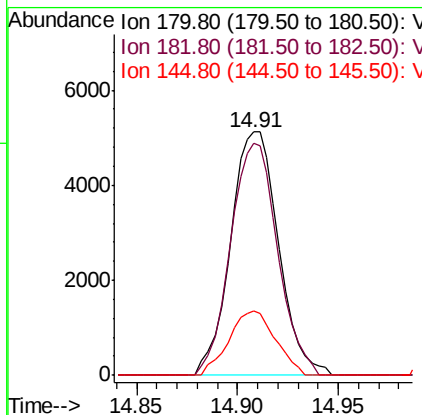
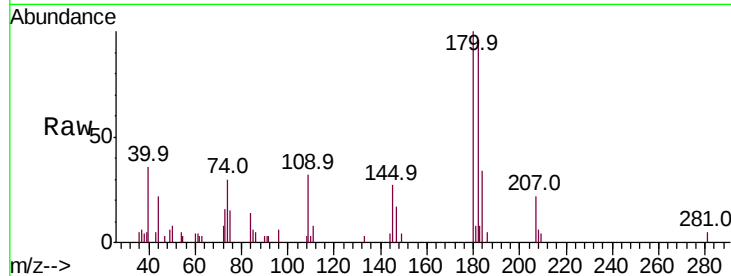
ClientSampleId :

VSTDIC005

Tot Ion:	180	Resp:	8524
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.8	143.4
145	25.6	14.5	43.5

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:46:27 PM



#94

Hexachlorobutadiene

Concen: 5.007 ug/l

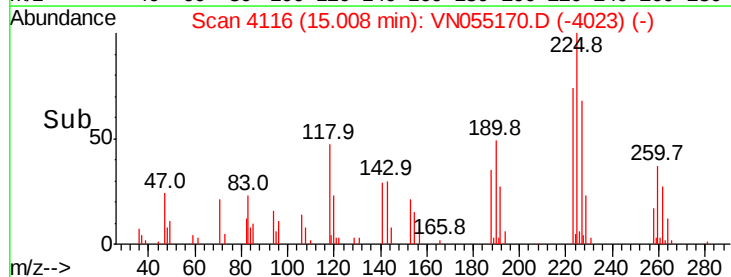
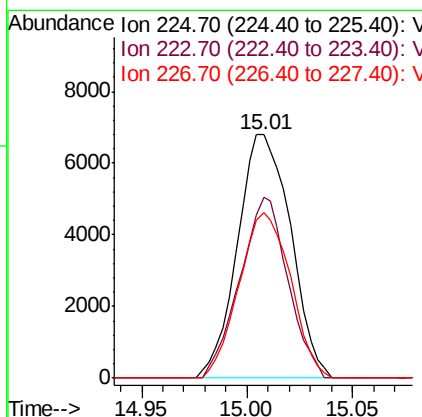
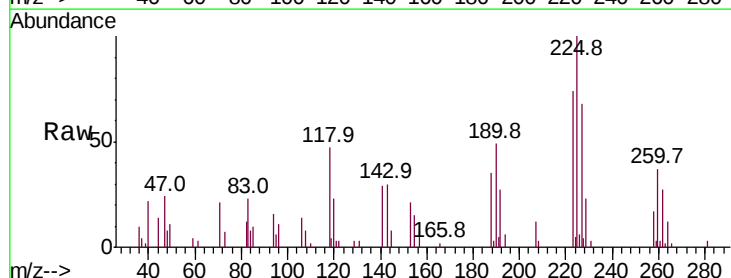
RT: 15.01 min Scan# 4116

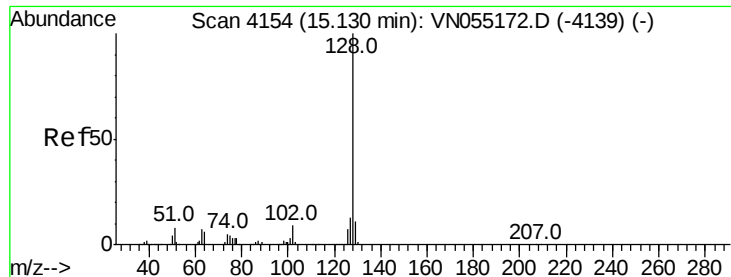
Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tgt Ion:	225	Resp:	11885
Ion Ratio	Lower	Upper	
225	100		
223	67.1	32.2	96.6
227	65.9	32.6	98.0





#95

Naphthalene

Concen: 3.670 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Instrument :

MSVOA_N

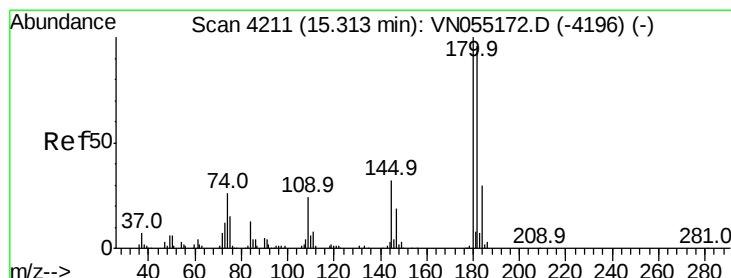
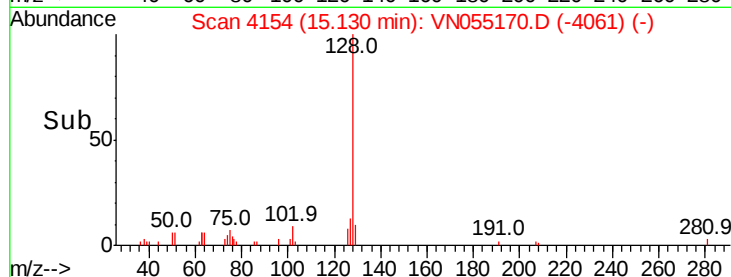
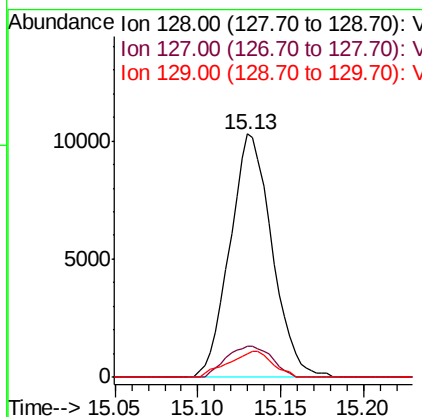
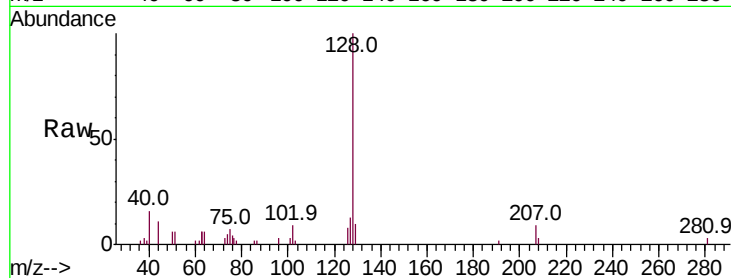
ClientSampled :

VSTDIC005

Tot Ion:	128	Resp:	18153
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.3	15.5
129	11.2	8.8	13.2

Manual Integrations
APPROVED

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4/23/2019 1:46:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 3.853 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055170.D

Acq: 22 Apr 2019 9:47

Tgt Ion:	180	Resp:	9386
Ion Ratio	Lower	Upper	
180	100		
182	90.5	47.2	141.6
145	30.2	15.4	46.1

