

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042319\
 Data File : VN055204.D
 Acq On : 23 Apr 2019 14:21
 Operator : JC/SP
 Sample : VN0423MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:44:38 PM

Quant Time: Apr 23 15:40:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	444773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	745920	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	634249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	243737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	323813	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	7.59	113	255992	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.09	98	947145	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	302463	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	132318	23.106	ug/l	99
3) Chloromethane	2.06	50	153908	21.933	ug/l	98
4) Vinyl Chloride	2.19	62	121777	21.658	ug/l	97
5) Bromomethane	2.56	94	64721	19.848	ug/l	96
6) Chloroethane	2.70	64	60606	20.450	ug/l	99
7) Trichlorofluoromethane	3.02	101	166948	21.818	ug/l	97
8) Diethyl Ether	3.41	74	61686	22.586	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	100277	21.001	ug/l	99
10) Methyl Iodide	3.95	142	148677	22.204	ug/l	100
11) Tert butyl alcohol	4.79	59	44271	125.962	ug/l	99
12) 1,1-Dichloroethene	3.74	96	97468	21.300	ug/l	99
13) Acrolein	3.61	56	58537	116.389	ug/l	98
14) Allyl chloride	4.32	41	197408	21.822	ug/l	99
15) Acrylonitrile	4.99	53	230549	119.609	ug/l	100
16) Acetone	3.82	43	180251	90.572	ug/l	97
17) Carbon Disulfide	4.05	76	271395	21.215	ug/l	100
18) Methyl Acetate	4.33	43	108344	24.766	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	295949	23.392	ug/l	99
20) Methylene Chloride	4.55	84	119689	20.920	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	105240	21.932	ug/l	96
22) Diisopropyl ether	5.95	45	396188	21.972	ug/l	96
23) Vinyl Acetate	5.90	43	1443297	119.111	ug/l	99
24) 1,1-Dichloroethane	5.85	63	206976	21.340	ug/l	98
25) 2-Butanone	6.84	43	281485	109.556	ug/l	96
26) 2,2-Dichloropropane	6.83	77	135967	20.716	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	119319	21.571	ug/l	100
28) Bromochloromethane	7.19	49	111327	22.517	ug/l	98
29) Tetrahydrofuran	7.21	42	194952	123.408	ug/l	98
30) Chloroform	7.37	83	196368	21.284	ug/l	97
31) Cyclohexane	7.65	56	201606	21.460	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	162990	21.990	ug/l	100
36) 1,1-Dichloropropene	7.79	75	147545	21.311	ug/l	99
37) Ethyl Acetate	6.93	43	121172	21.687	ug/l	99
38) Carbon Tetrachloride	7.77	117	138464	21.357	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	162007	19.615	ug/l	98
40) Benzene	8.04	78	454490	21.266	ug/l	98
41) Methacrylonitrile	7.17	41	72537	24.763	ug/l #	92
42) 1,2-Dichloroethane	8.13	62	156136	20.941	ug/l	99
43) Isopropyl Acetate	8.17	43	225539	24.928	ug/l #	86
44) Trichloroethene	8.83	130	111681	20.675	ug/l	99
45) 1,2-Dichloropropane	9.12	63	124926	20.708	ug/l	97
46) Dibromomethane	9.21	93	71862	20.809	ug/l	98
47) Bromodichloromethane	9.40	83	147810	21.380	ug/l	99
48) Methyl methacrylate	9.20	41	97003	22.102	ug/l	99
49) 1,4-Dioxane	9.20	88	23539	464.431	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	589537	113.234	ug/l	100
52) Toluene	10.16	92	263327	21.018	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	137808	21.721	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	167881	21.323	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	98915	21.415	ug/l	98
56) Ethyl methacrylate	10.43	69	131597	22.870	ug/l	99
57) 1,3-Dichloropropane	10.71	76	169547	21.097	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	205803	99.914	ug/l	99
59) 2-Hexanone	10.75	43	371469	112.958	ug/l	99
60) Dibromochloromethane	10.90	129	100690	21.164	ug/l	99
61) 1,2-Dibromoethane	11.01	107	96640	22.253	ug/l	98
64) Tetrachloroethene	10.63	164	106200	20.525	ug/l	97
65) Chlorobenzene	11.43	112	260606	20.131	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	99407	20.718	ug/l	99
67) Ethyl Benzene	11.51	91	482715	20.933	ug/l	99
68) m/p-Xylenes	11.62	106	347480	42.013	ug/l	99
69) o-Xylene	11.95	106	171167	20.854	ug/l	99
70) Styrene	11.96	104	273140	21.468	ug/l	99
71) Bromoform	12.13	173	61984	21.648	ug/l #	98
73) Isopropylbenzene	12.25	105	455700	22.006	ug/l	100
74) N-amyl acetate	12.07	43	147053	23.401	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	124129	23.761	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	100513m	20.327	ug/l	
77) Bromobenzene	12.53	156	109529	20.355	ug/l	99
78) n-propylbenzene	12.59	91	497237	20.342	ug/l	99
79) 2-Chlorotoluene	12.67	91	306716	19.872	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	372166	20.397	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27821	21.329	ug/l	99
82) 4-Chlorotoluene	12.77	91	286211	20.154	ug/l	99
83) tert-Butylbenzene	12.99	119	315362	21.760	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	349885	20.320	ug/l	99
85) sec-Butylbenzene	13.17	105	402418	19.495	ug/l	100
86) p-Isopropyltoluene	13.29	119	342933	20.165	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	171875	20.808	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	159093	19.783	ug/l	98
89) n-Butylbenzene	13.61	91	246882	19.585	ug/l	99
90) Hexachloroethane	13.87	117	57662	19.118	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	170458	20.091	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16479	22.265	ug/l	98

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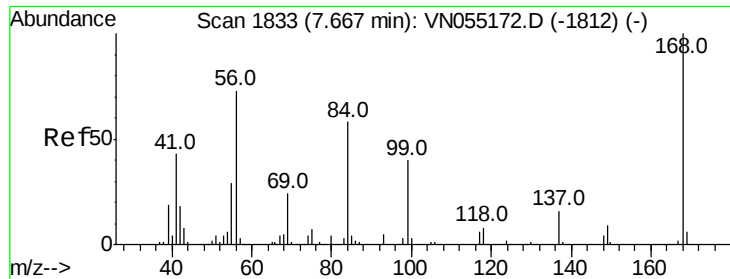
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	58163	18.076	ug/l	99
94) Hexachlorobutadiene	15.01	225	58667	22.478	ug/l	97
95) Naphthalene	15.13	128	128649	18.696	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	61536	18.676	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

Tot Ion:168 Resp: 444773

Ion Ratio Lower Upper

168 100

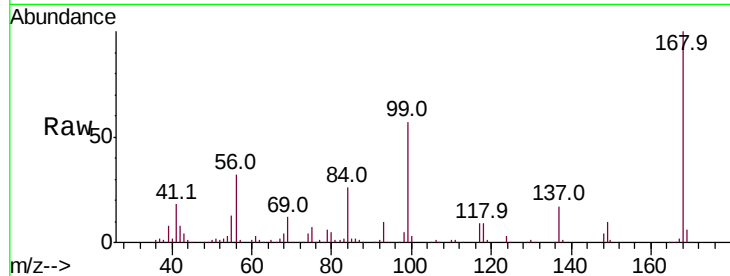
99 55.6 42.0 63.0

Manual Integrations

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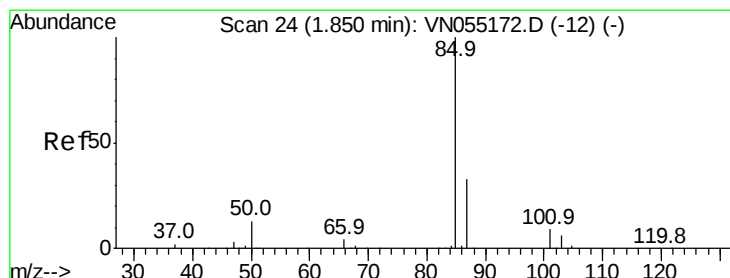
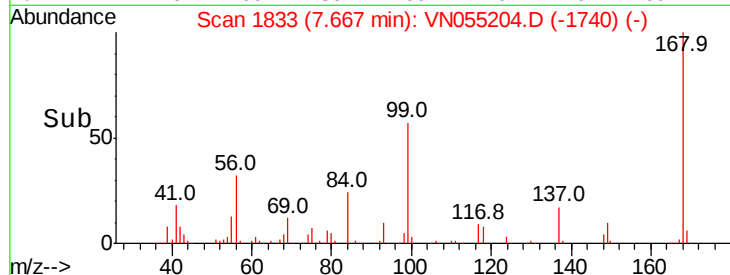
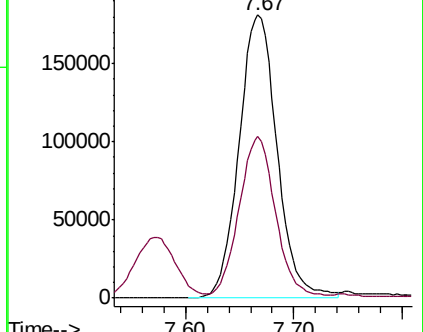
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 23.106 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055204.D

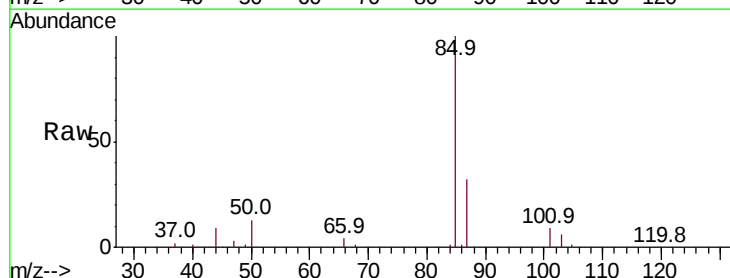
Acq: 23 Apr 2019 14:21

Tgt Ion: 85 Resp: 132318

Ion Ratio Lower Upper

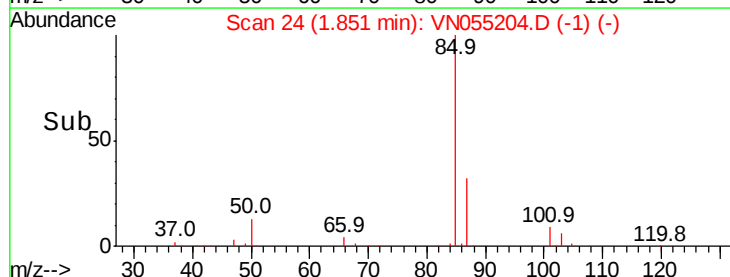
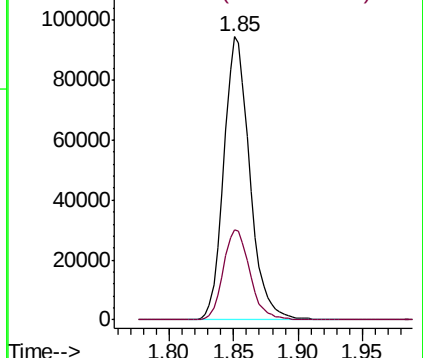
85 100

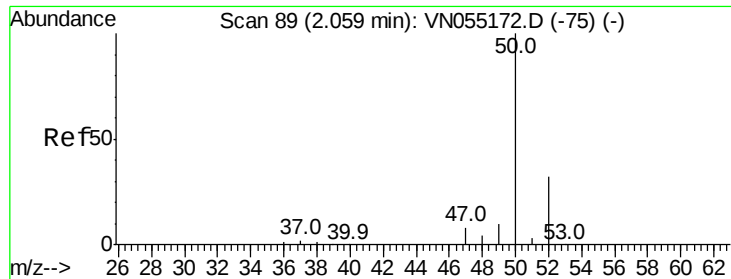
87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 21.933 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

Tot Ion: 50 Resp: 153908

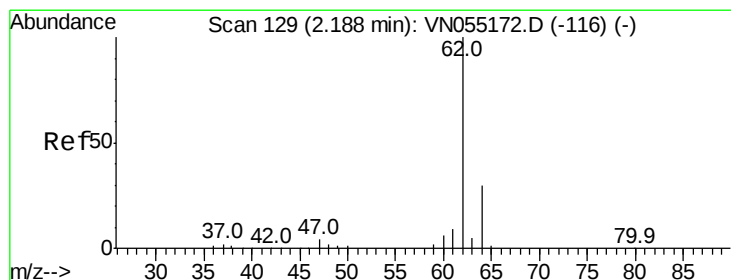
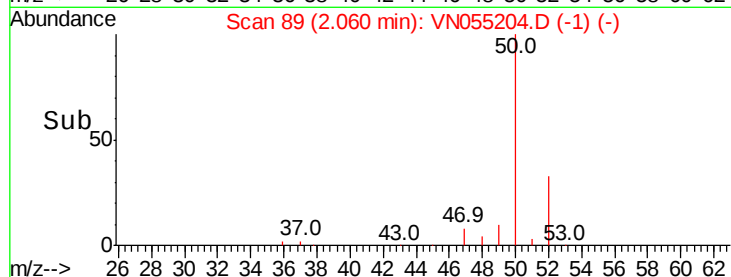
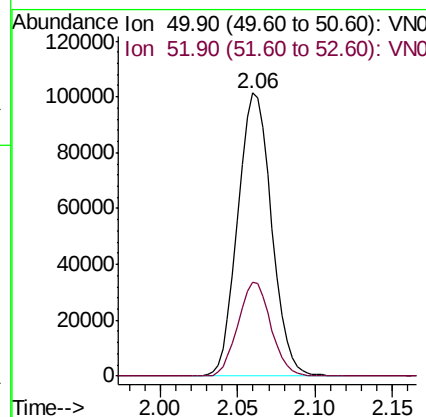
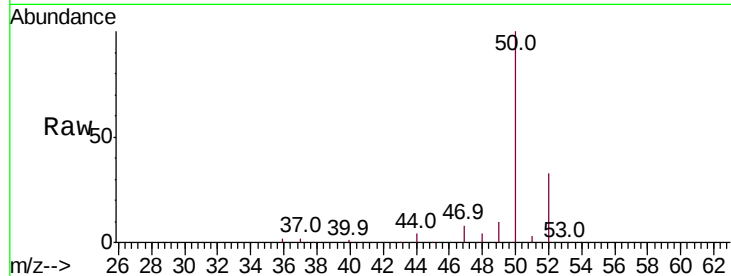
Ion Ratio Lower Upper

50 100

52 33.2 25.8 38.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.658 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055204.D

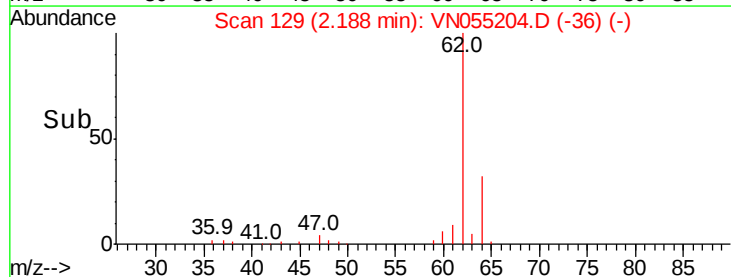
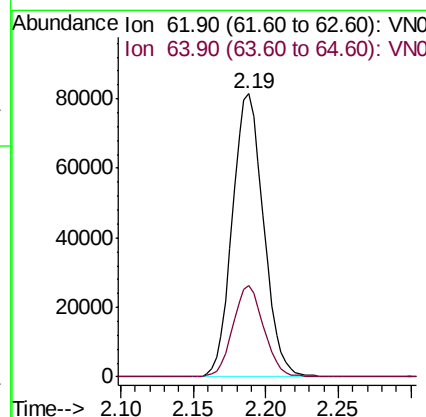
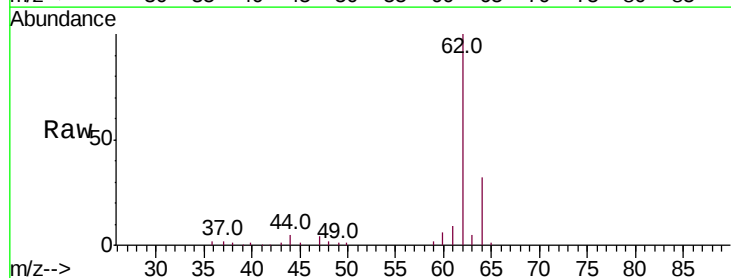
Acq: 23 Apr 2019 14:21

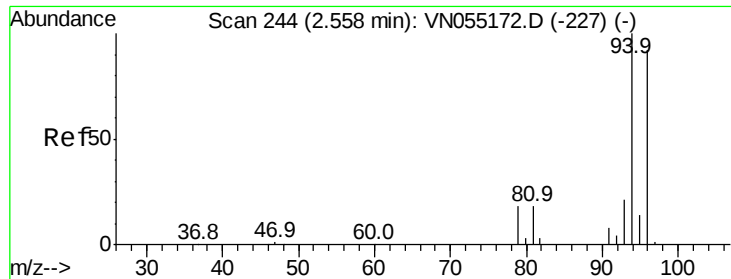
Tgt Ion: 62 Resp: 121777

Ion Ratio Lower Upper

62 100

64 32.1 24.2 36.4





#5

Bromomethane

Concen: 19.848 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

Tot Ion: 94 Resp: 64721

Ion Ratio Lower Upper

94 100

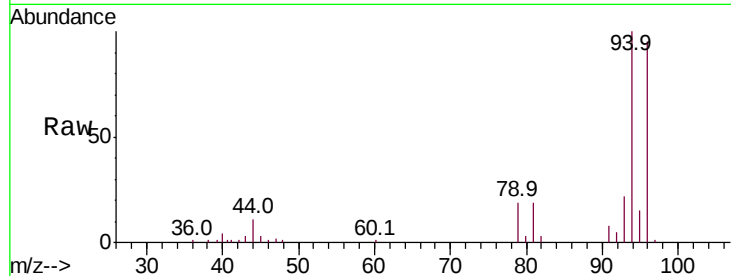
96 95.4 73.4 110.2

Manual Integrations

APPROVED

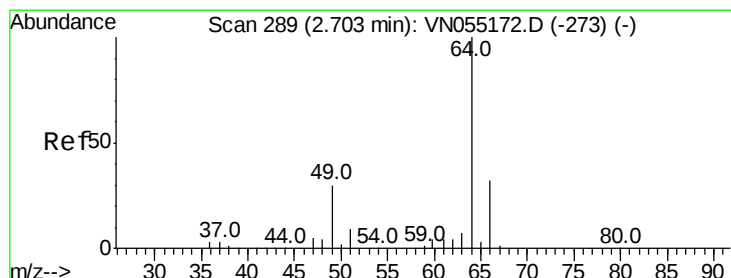
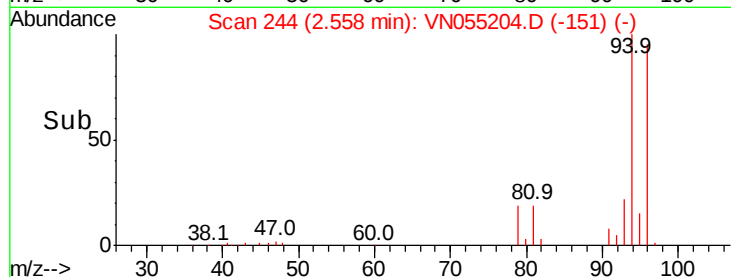
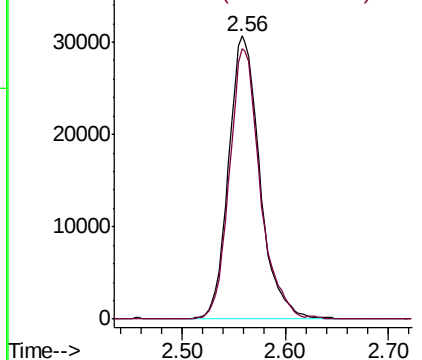
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.450 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055204.D

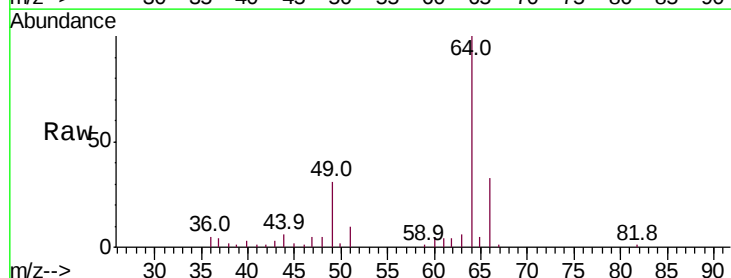
Acq: 23 Apr 2019 14:21

Tgt Ion: 64 Resp: 60606

Ion Ratio Lower Upper

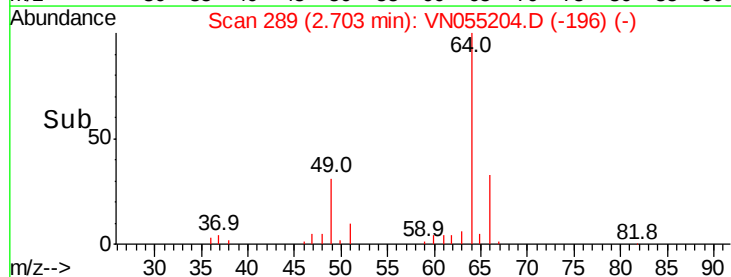
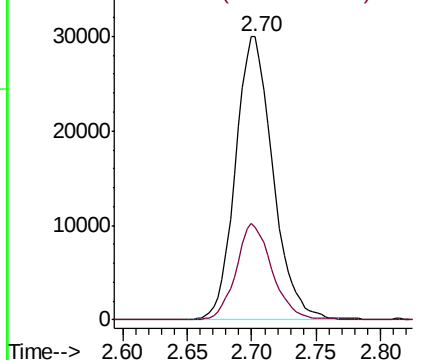
64 100

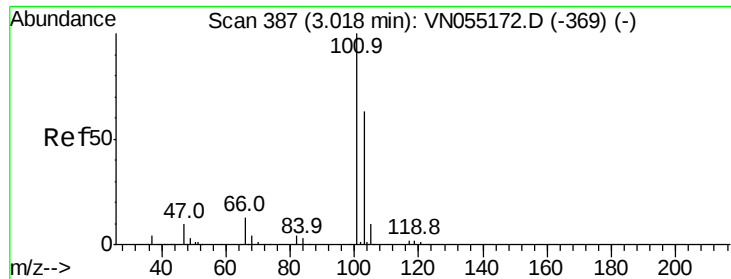
66 33.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

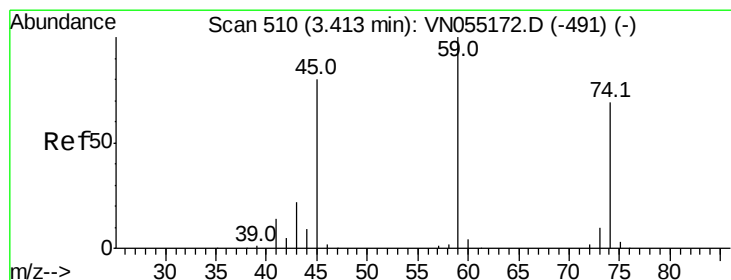
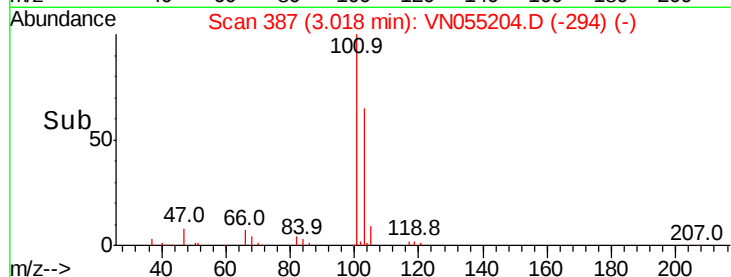
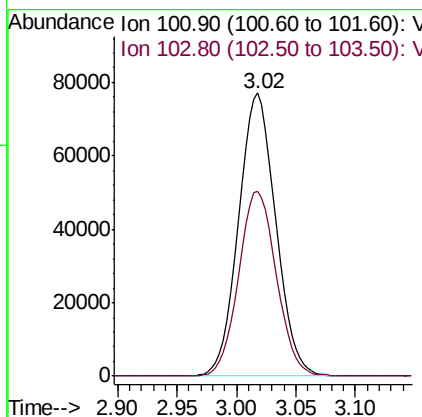
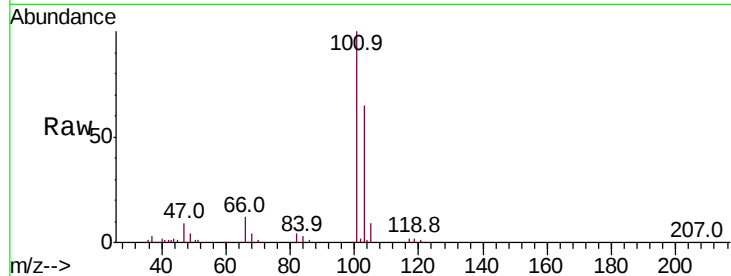
Trichlorofluoromethane
Concen: 21.818 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.1	75.1

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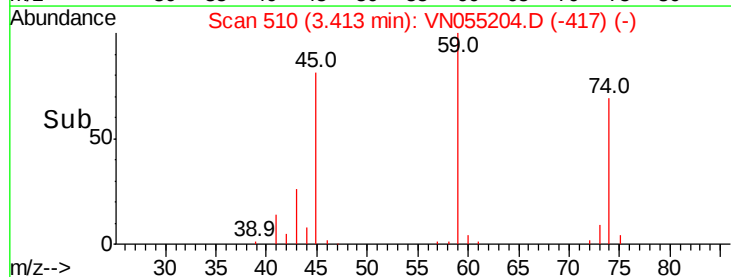
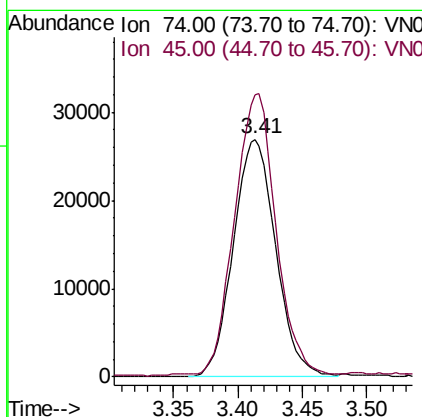
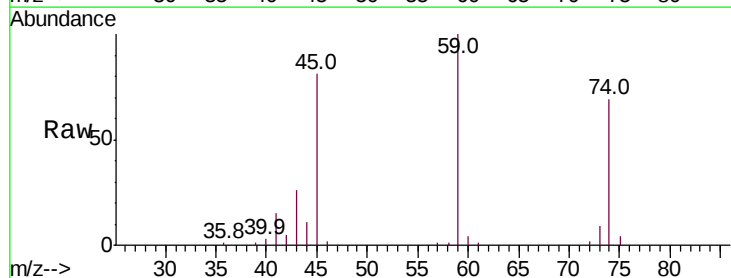
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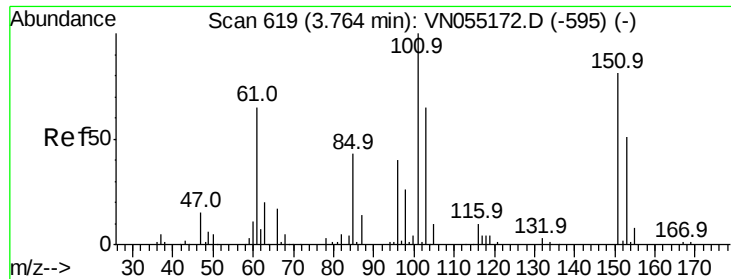


#8

Diethyl Ether
Concen: 22.586 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.4	56.9	170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.001 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

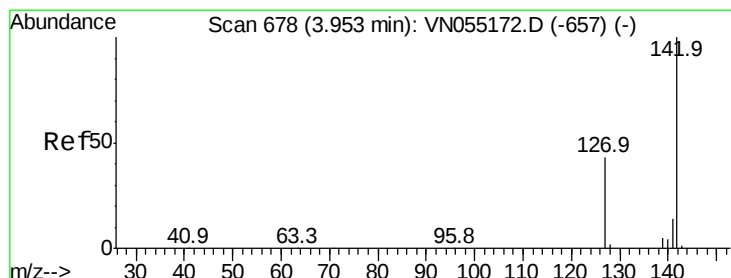
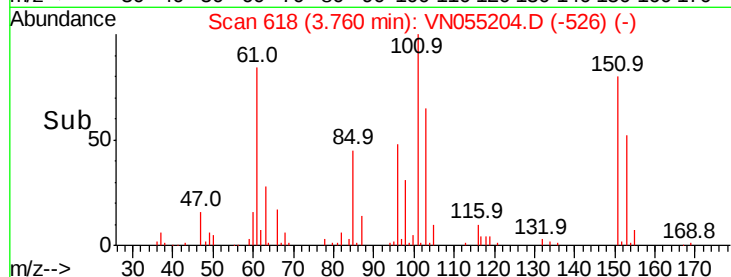
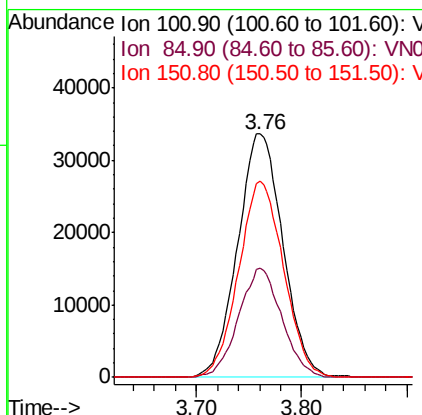
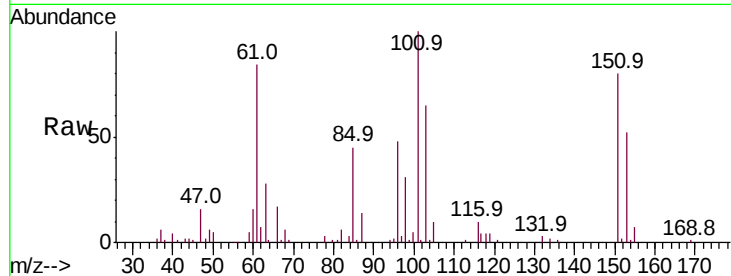
ClientSampleId :

VN0423MBS01

Tot Ion:	101	Resp:	100277
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.9	52.3
151	80.0	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 22.204 ug/l

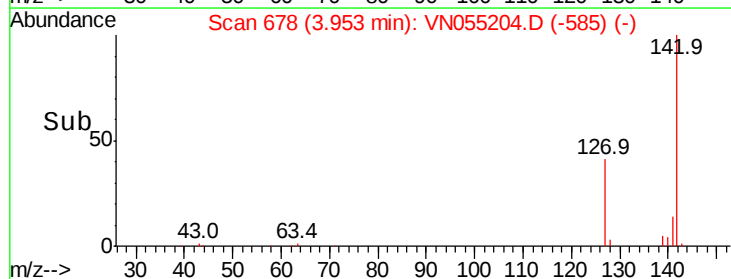
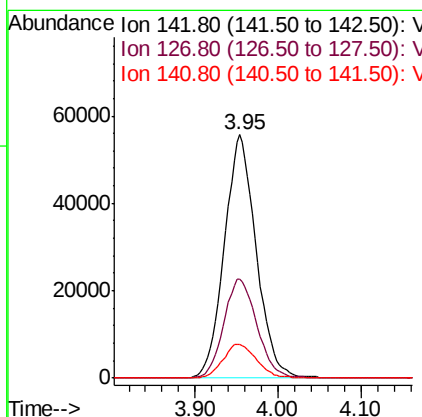
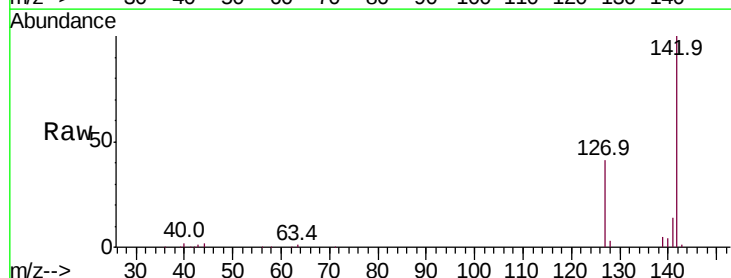
RT: 3.95 min Scan# 678

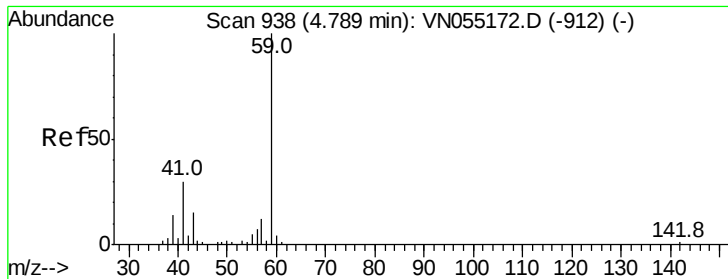
Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Tgt Ion:	142	Resp:	148677
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.1	51.1
141	14.6	11.4	17.2





#11

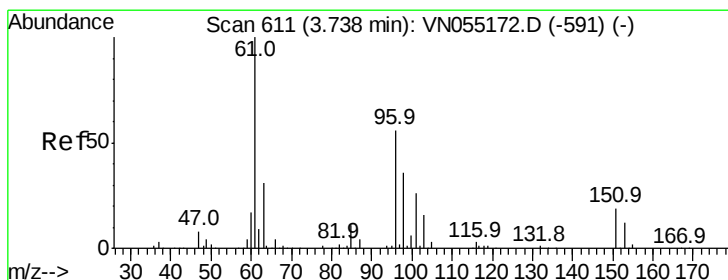
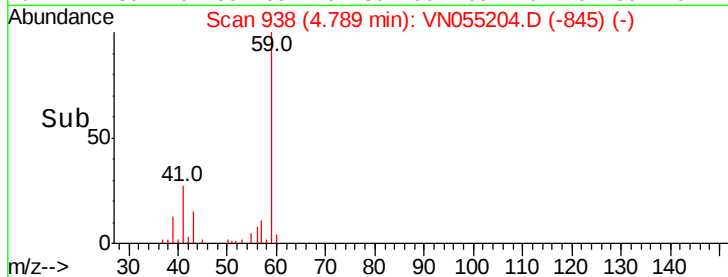
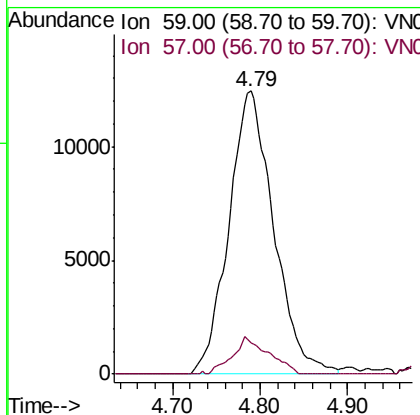
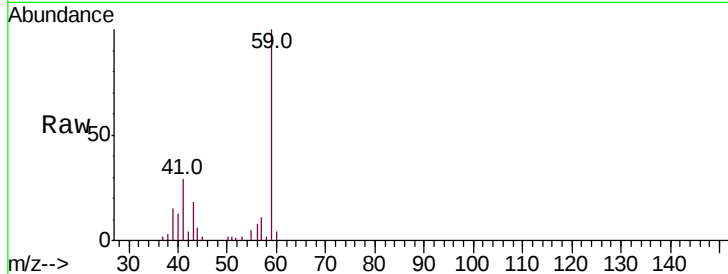
Tert butyl alcohol
Concen: 125.962 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0423MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.8	13.2

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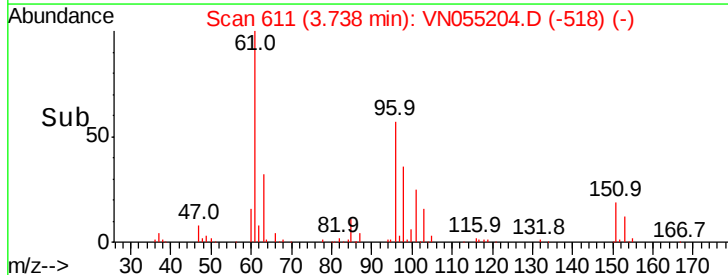
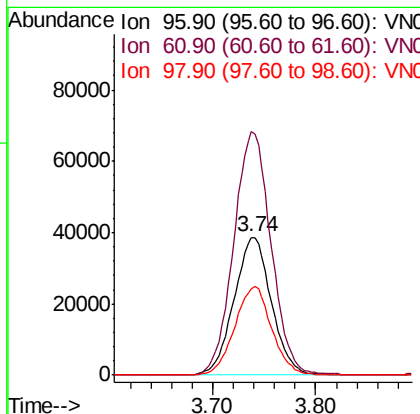
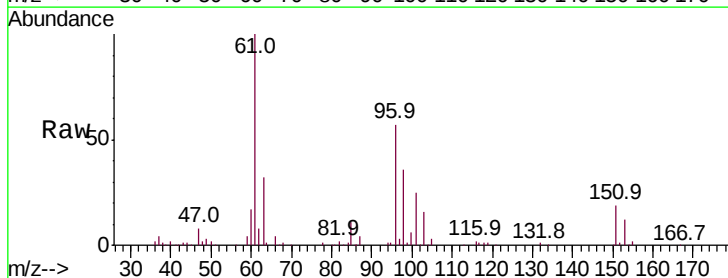
MMDadoda
4/24/2019 12:44:38 PM

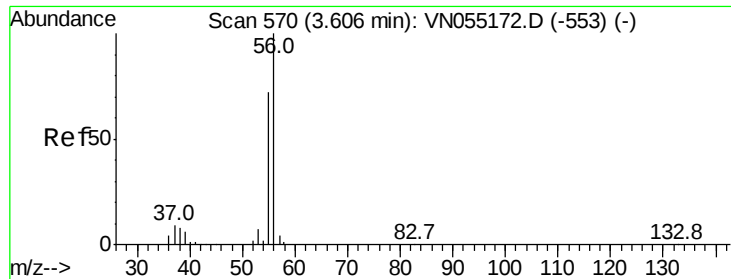


#12

1,1-Dichloroethene
Concen: 21.300 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.7	142.1	213.1
98	63.0	51.2	76.8





#13

Acrolein

Concen: 116.389 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

Tot Ion: 56 Resp: 58537

Ion Ratio Lower Upper

56 100

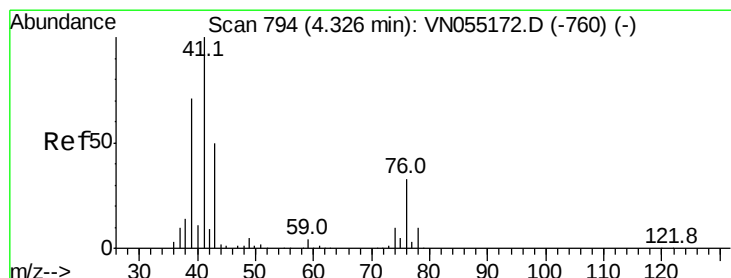
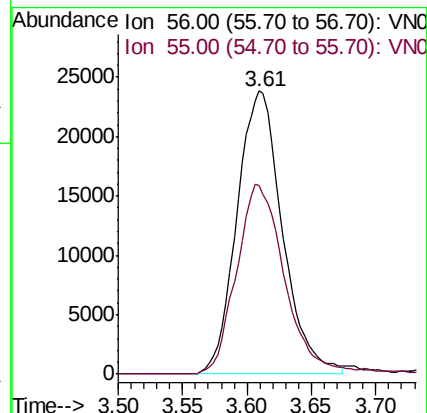
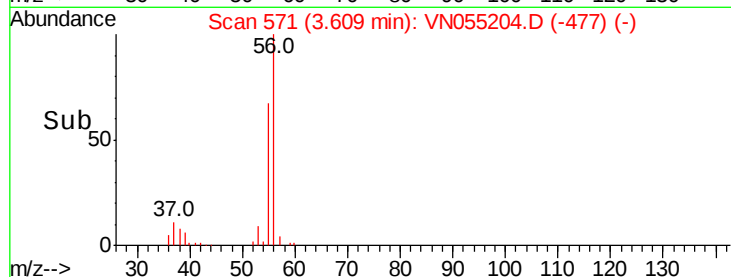
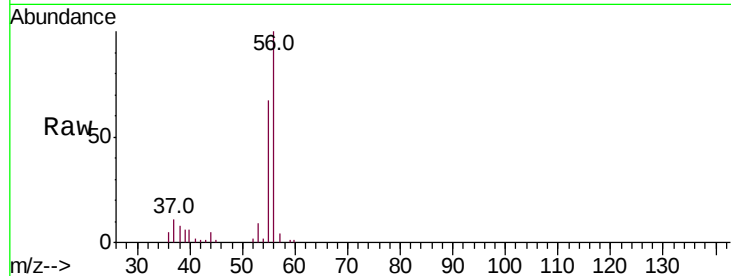
55 70.4 57.4 86.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 21.822 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

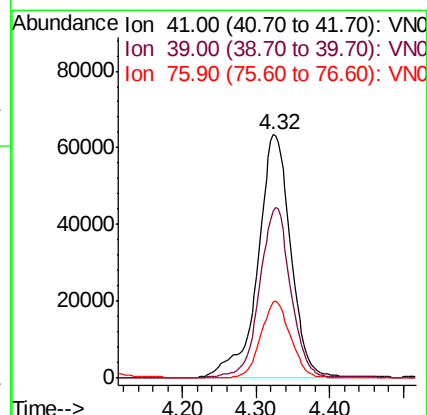
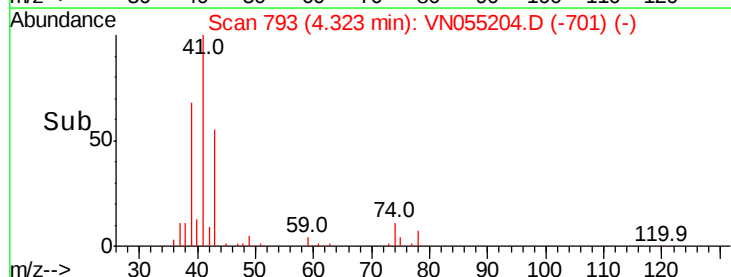
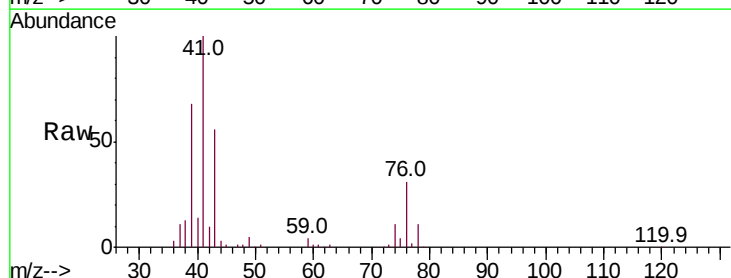
Tgt Ion: 41 Resp: 197408

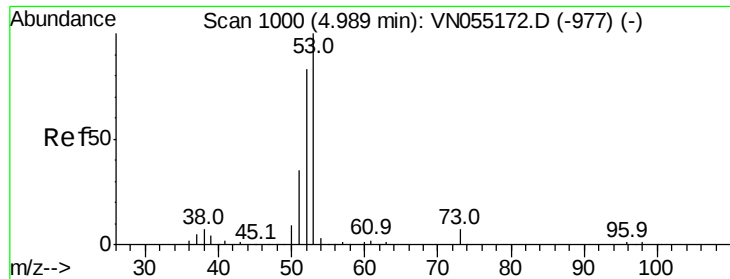
Ion Ratio Lower Upper

41 100

39 65.1 52.9 79.3

76 28.5 23.6 35.4





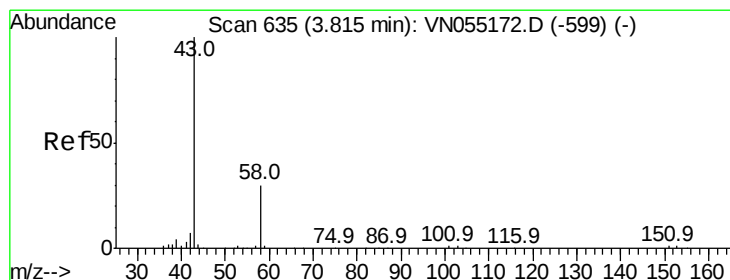
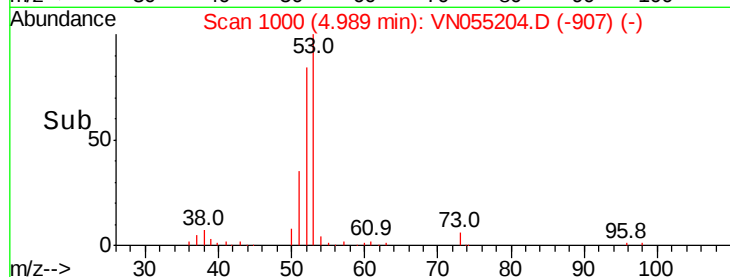
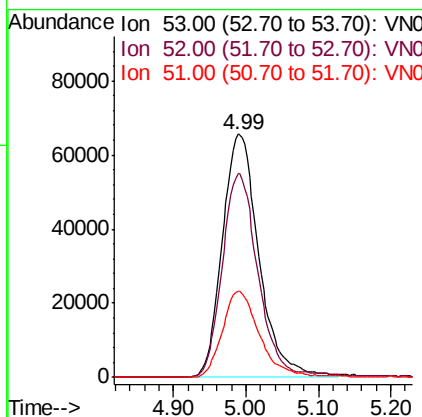
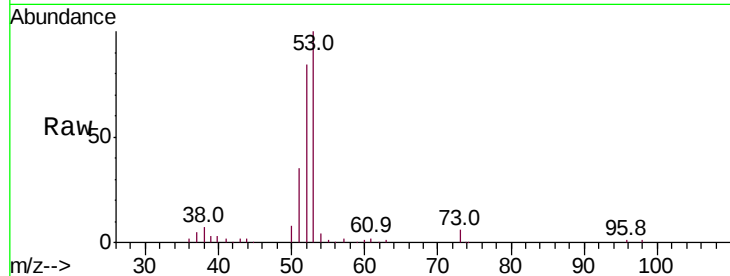
#15
 Acrylonitrile
 Concen: 119.609 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.8	98.8
51	35.8	28.9	43.3

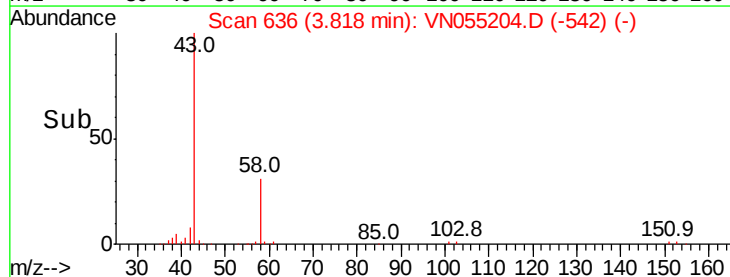
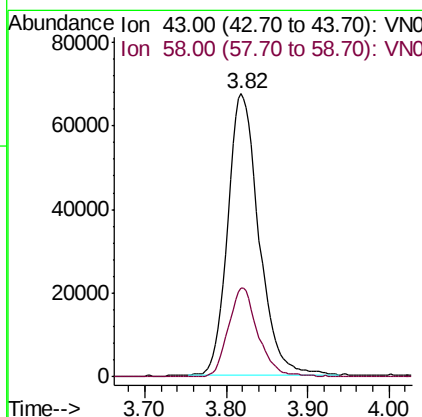
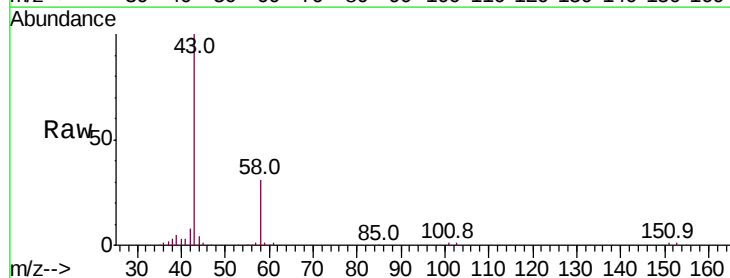
Manual Integrations
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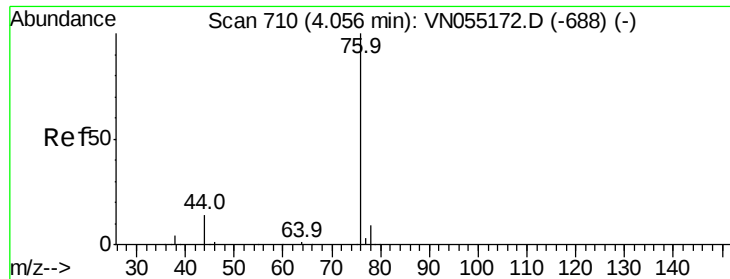
MMDadoda
 4/24/2019 12:44:38 PM



#16
 Acetone
 Concen: 90.572 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	23.8	35.8





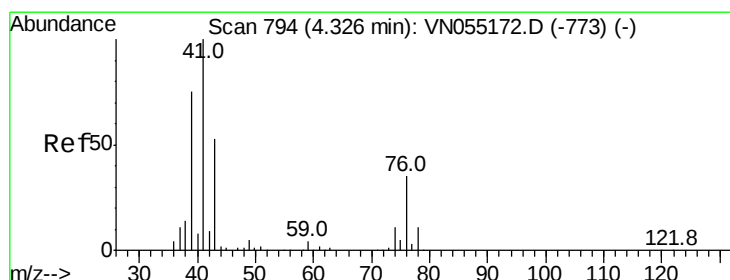
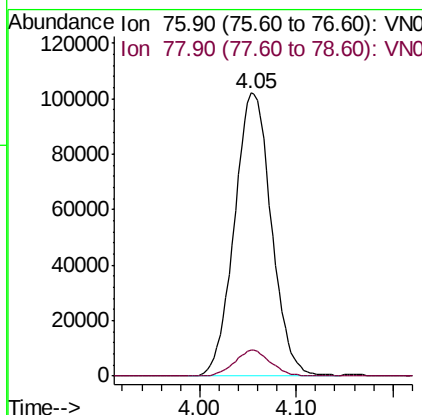
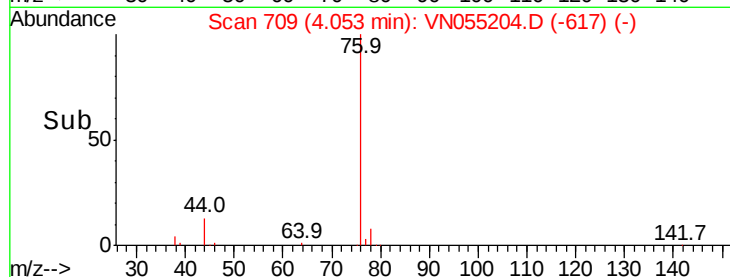
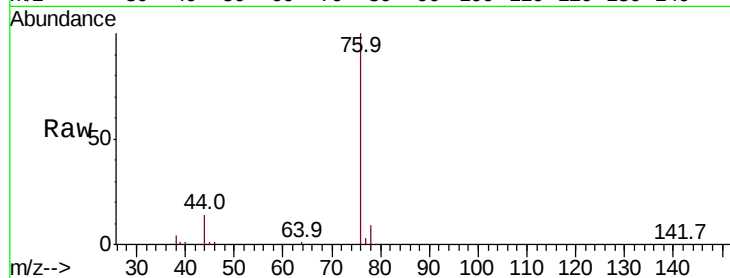
#17
Carbon Disulfide
Concen: 21.215 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

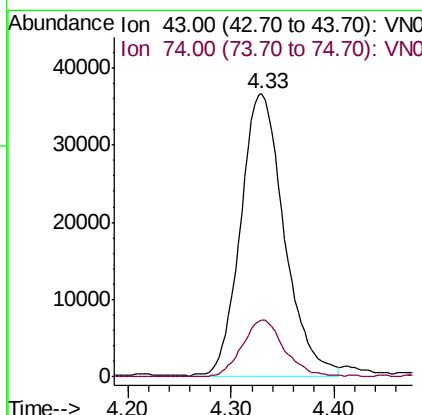
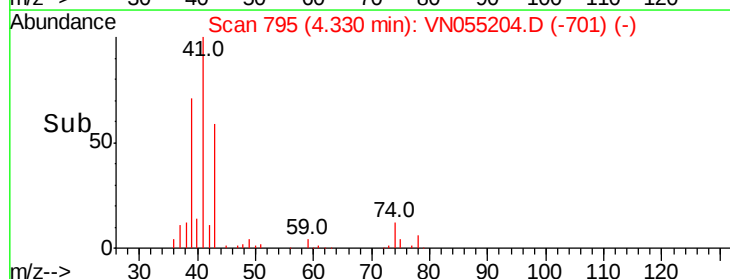
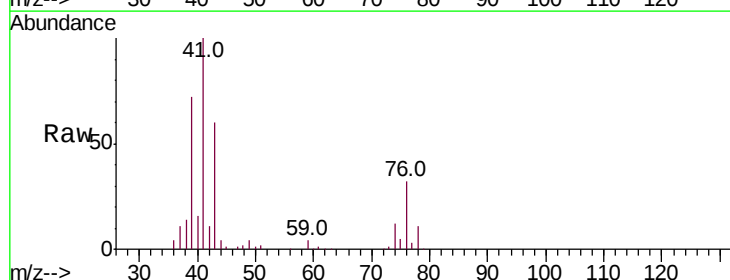
Manual Integrations
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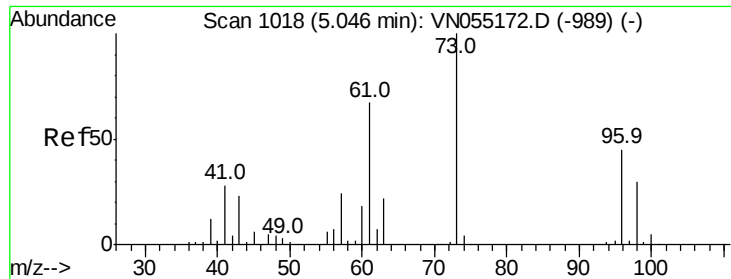
MMDadoda
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#18
Methyl Acetate
Concen: 24.766 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	16.7	25.1





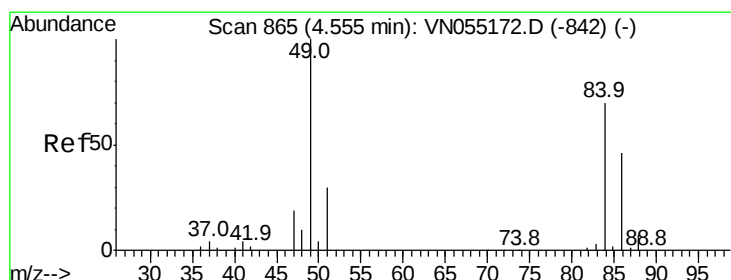
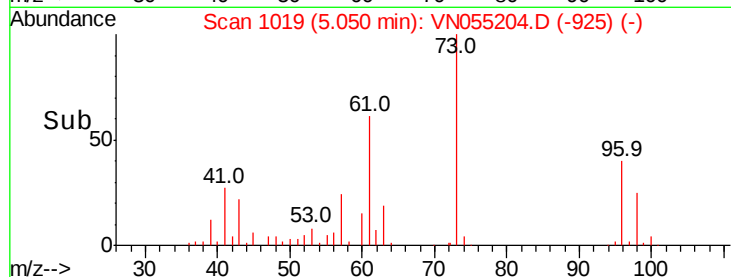
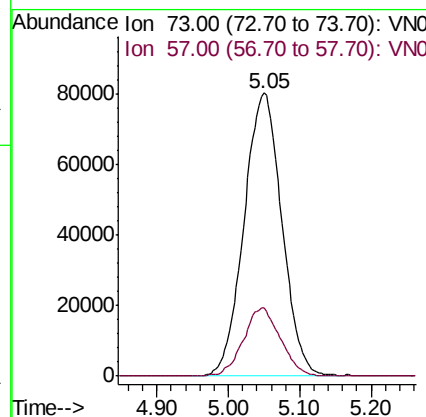
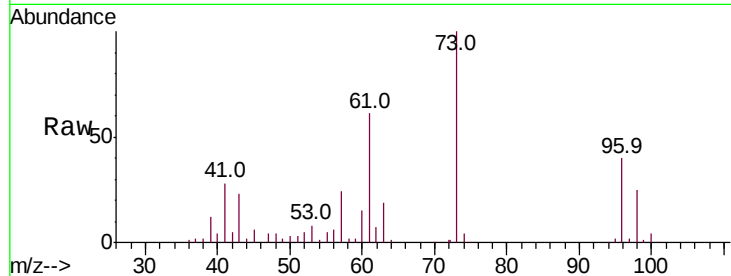
#19
Methvl tert-butvl Ether
Concen: 23.392 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion: 73 Resp: 295949
Ion Ratio Lower Upper
73 100
57 24.0 19.5 29.3

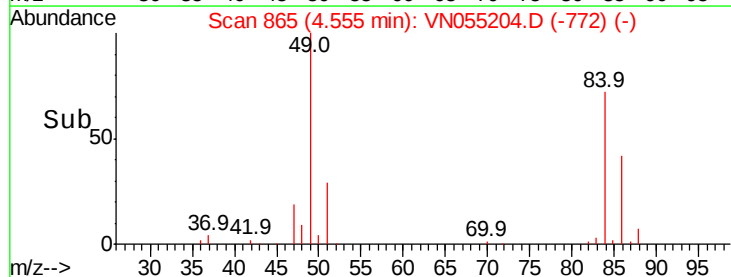
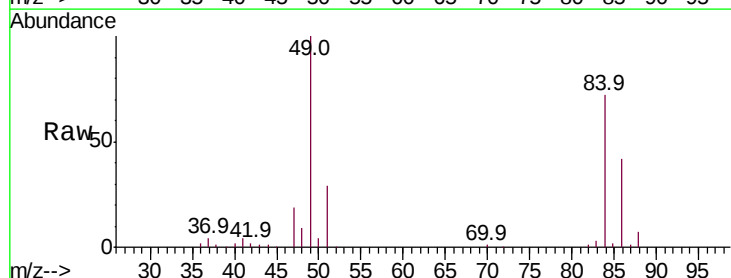
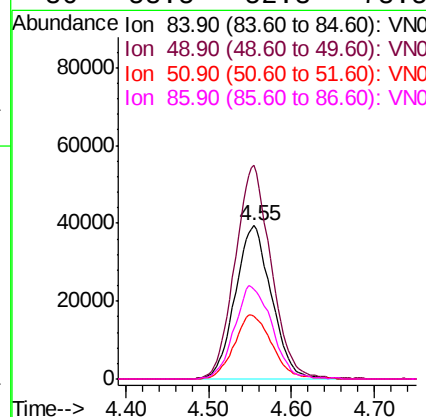
Manual Integrations
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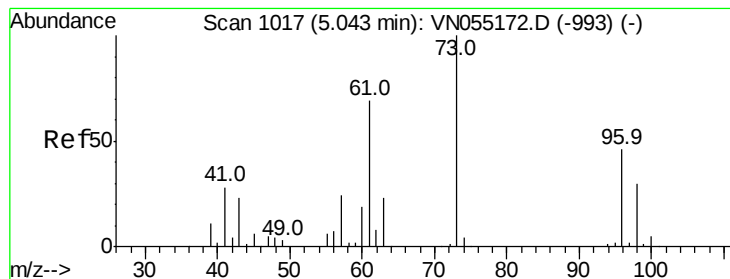
MMDadoda
4/24/2019 12:44:38 PM



#20
Methylene Chloride
Concen: 20.920 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion: 84 Resp: 119689
Ion Ratio Lower Upper
84 100
49 139.6 113.8 170.6
51 41.0 34.0 51.0
86 58.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.932 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

Tot Ion: 96 Resp: 105240

Ion Ratio Lower Upper

96 100

61 153.0 119.3 178.9

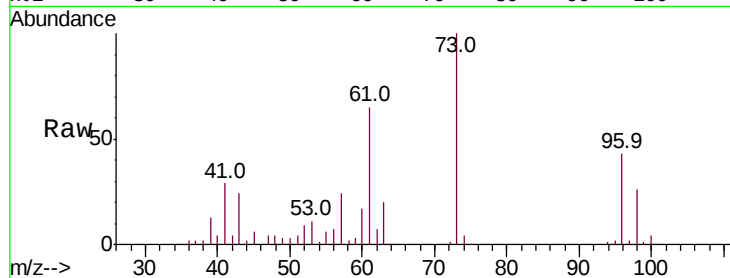
98 61.3 53.0 79.4

Manual Integrations

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MMDadoda

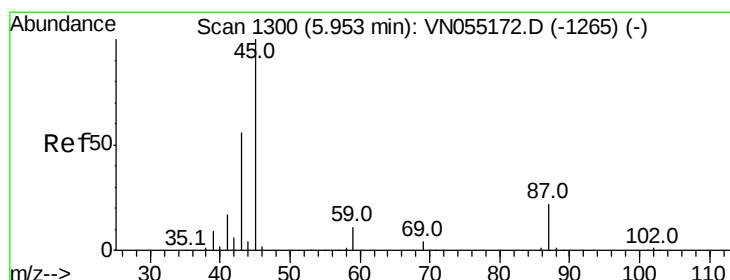
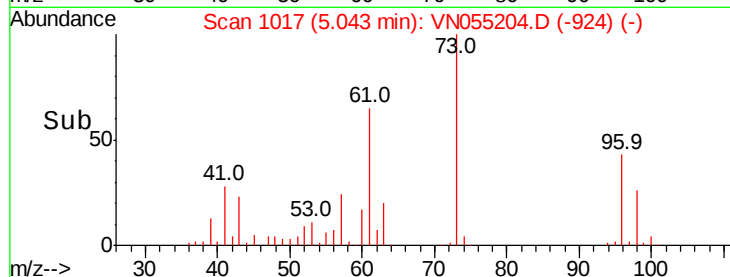
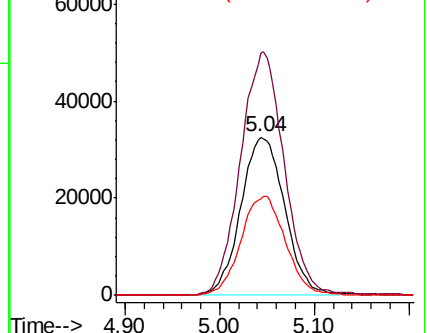
4/24/2019 12:44:38 PM



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 21.972 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Tgt Ion: 45 Resp: 396188

Ion Ratio Lower Upper

45 100

43 62.7 47.4 71.0

87 22.0 18.4 27.6

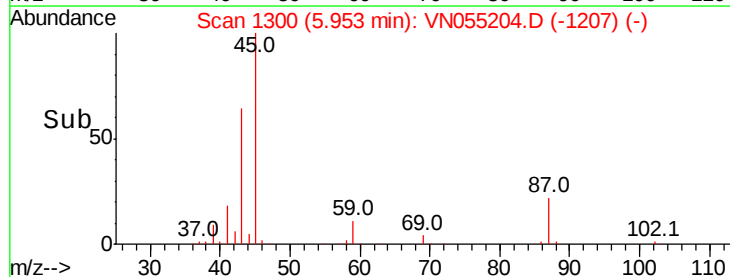
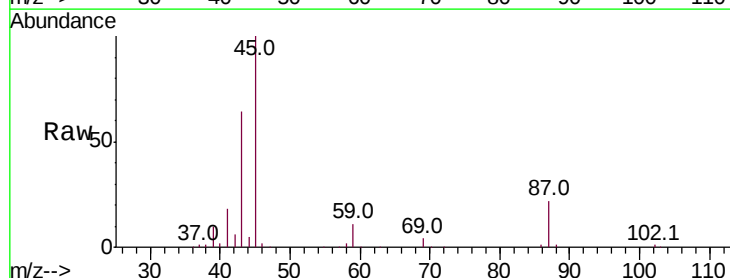
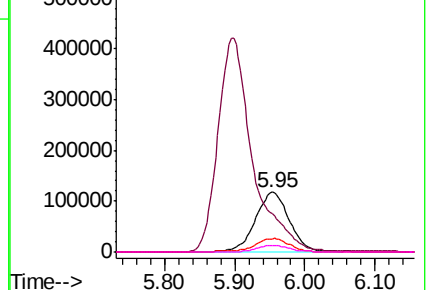
59 10.4 8.6 12.8

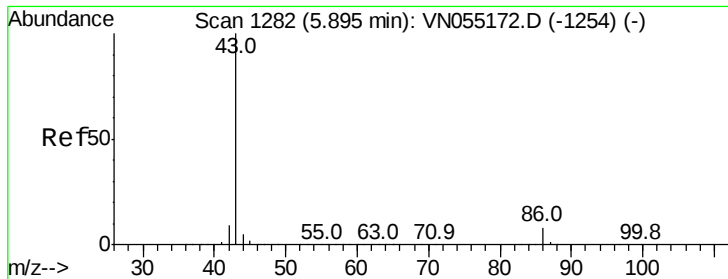
Abundance Ion 45.00 (44.70 to 45.70): VNC

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: 119.111 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

Tot Ion: 43 Resp: 1443297

Ion Ratio Lower Upper

43 100

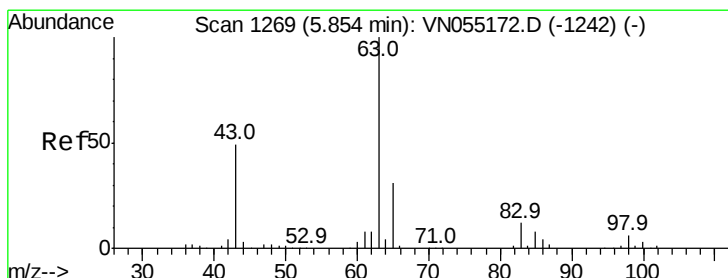
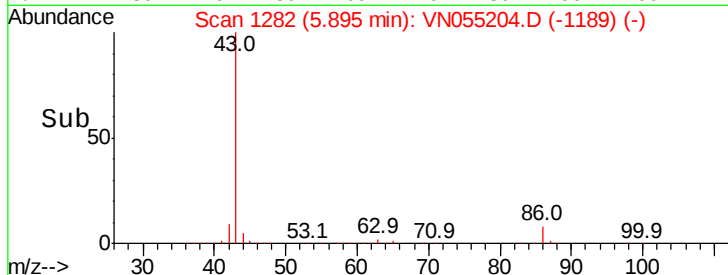
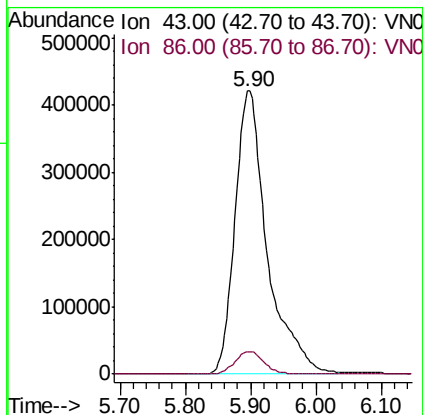
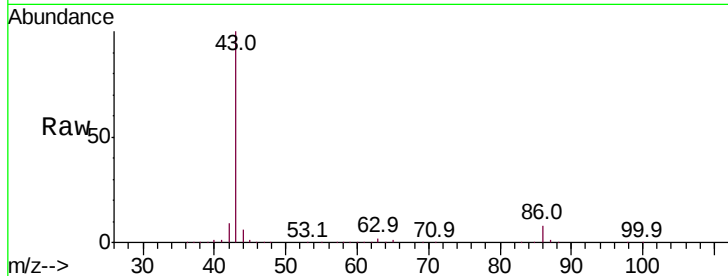
86 8.0 6.8 10.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.340 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

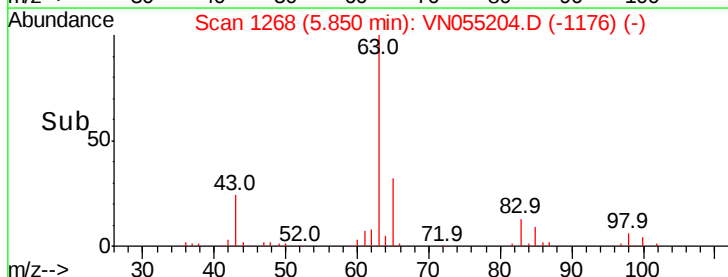
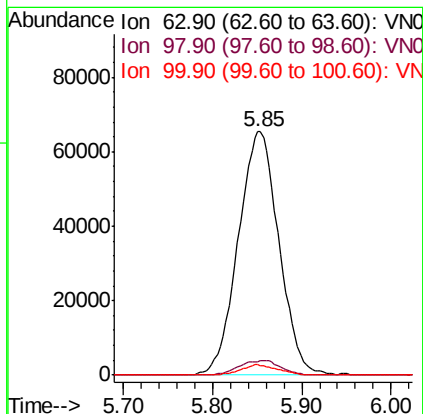
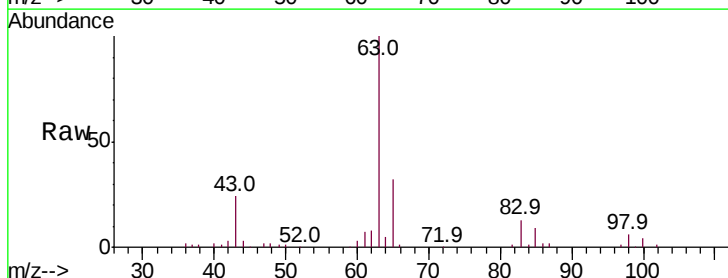
Tgt Ion: 63 Resp: 206976

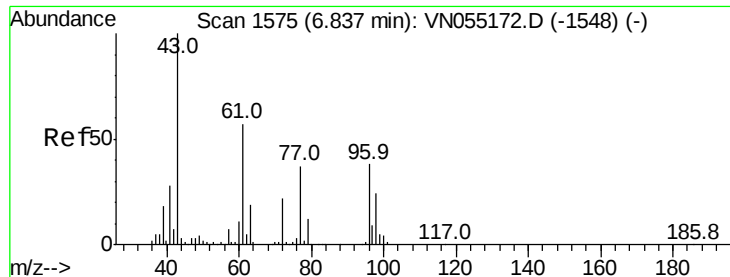
Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.3

100 4.3 1.8 5.3





#25

2-Butanone

Concen: 109.556 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

VN0423MBS01

Tot Ion: 43 Resp: 281485

Ion Ratio Lower Upper

43 100

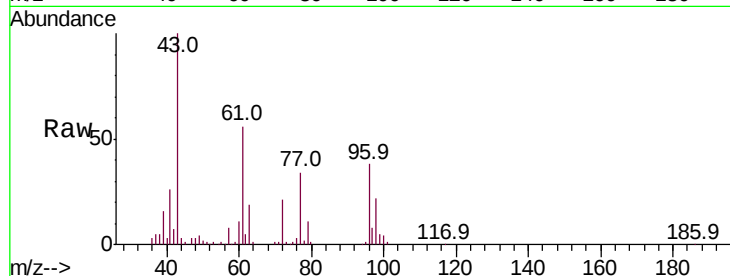
72 20.6 17.8 26.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

100000

80000

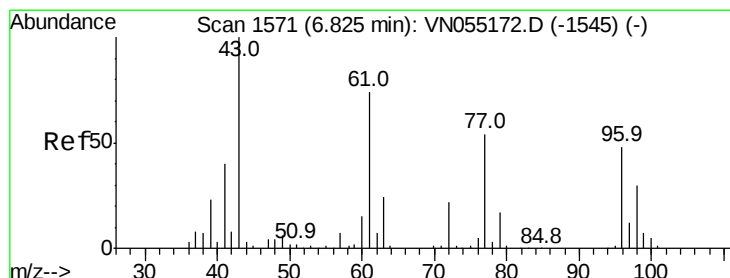
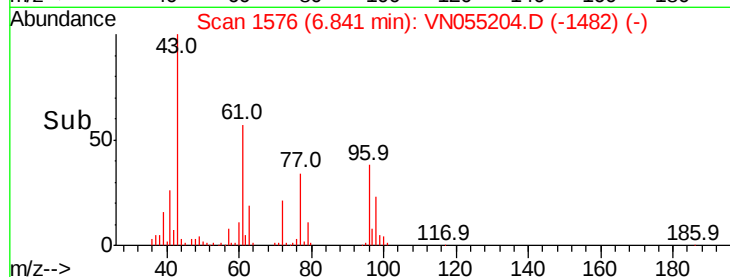
60000

40000

20000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 20.716 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055204.D

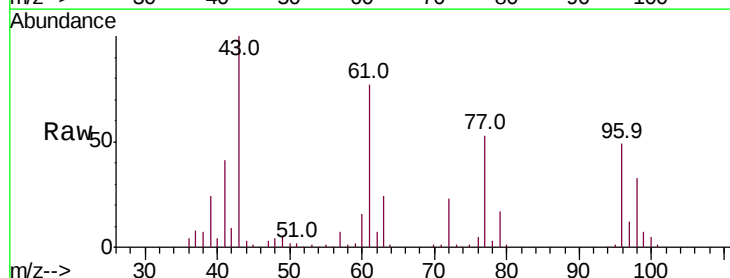
Acq: 23 Apr 2019 14:21

Tgt Ion: 77 Resp: 135967

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

50000

40000

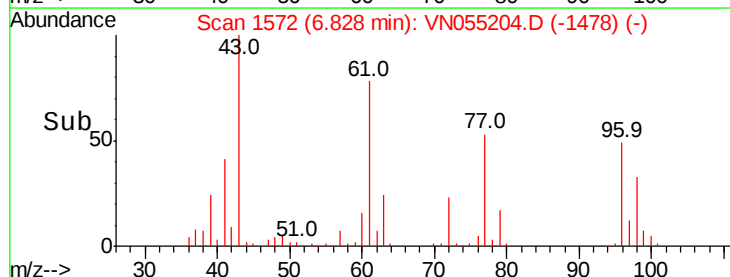
30000

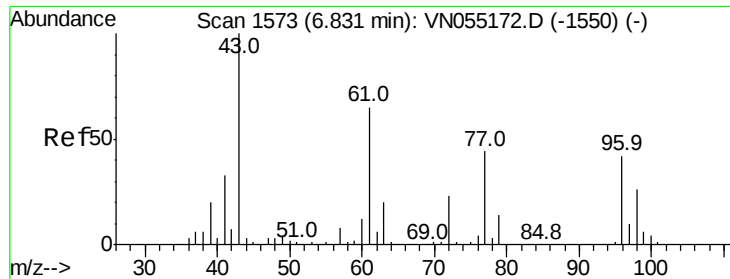
20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 21.571 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055204.D

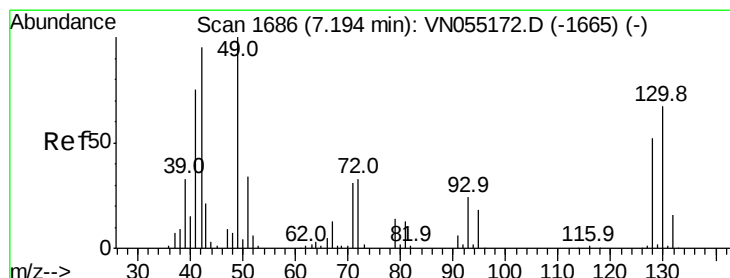
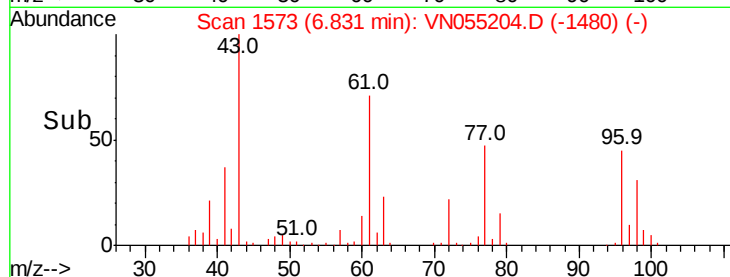
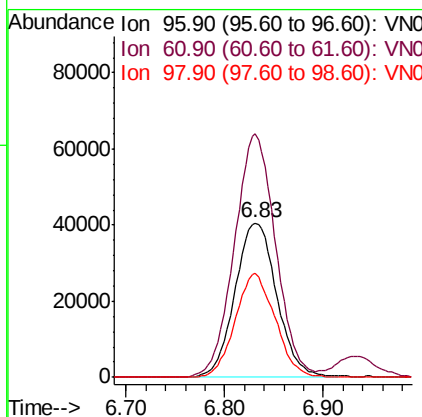
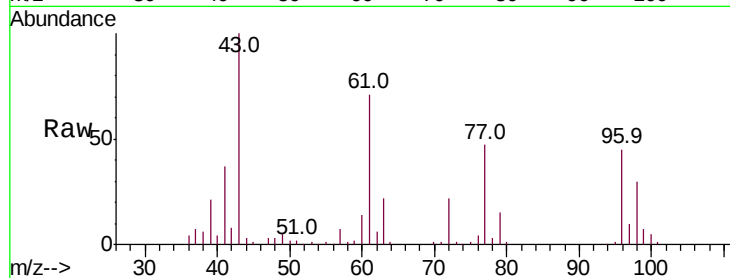
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.2	0.0	310.8
98	64.2	0.0	127.4

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#28

Bromochloromethane

Concen: 22.517 ug/l

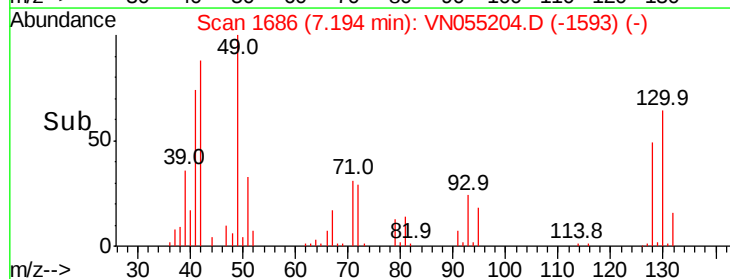
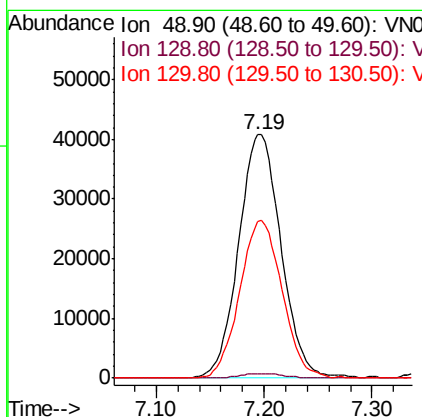
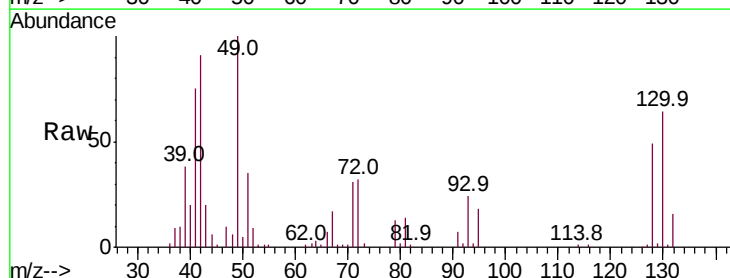
RT: 7.19 min Scan# 1686

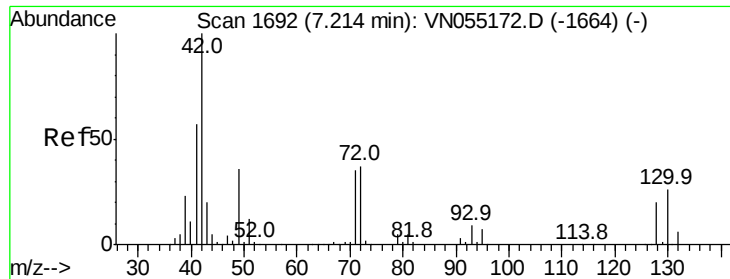
Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	64.8	53.4	80.2





#29

Tetrahydrofuran

Concen: 123.408 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

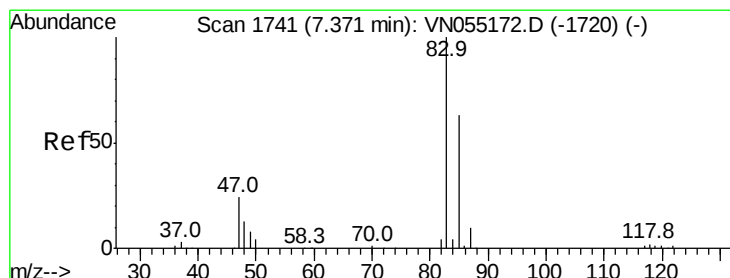
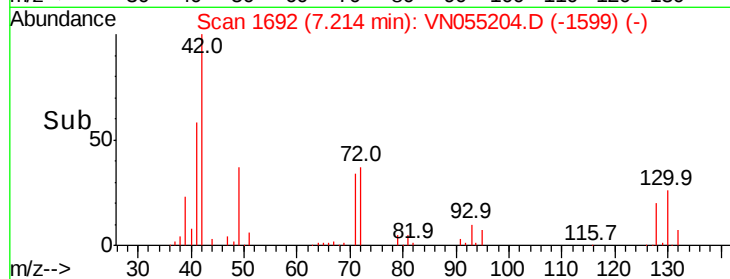
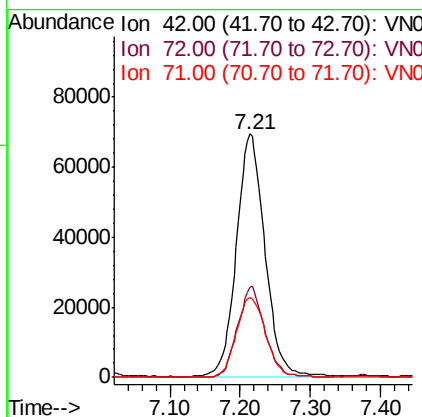
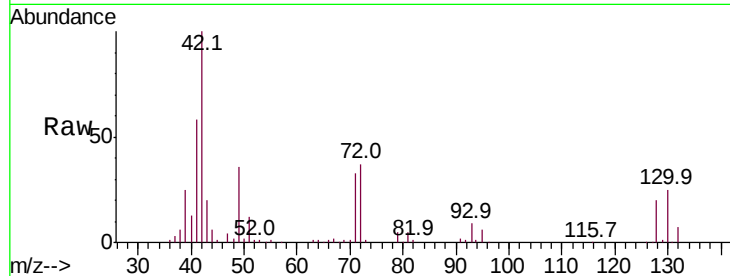
ClientSampleId :

VN0423MBS01

Tot Ion:	42	Resp:	194952
Ion Ratio		Lower	Upper
42	100		
72	35.7	29.4	44.2
71	33.9	27.8	41.8

Manual Integrations
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#30

Chloroform

Concen: 21.284 ug/l

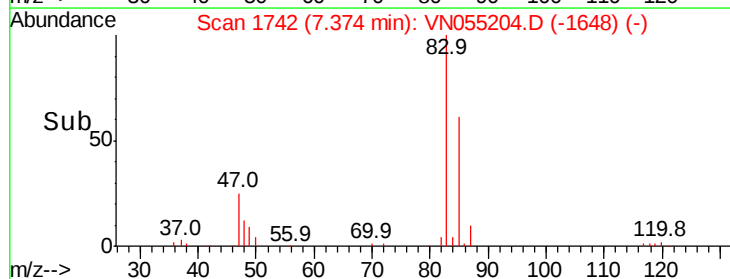
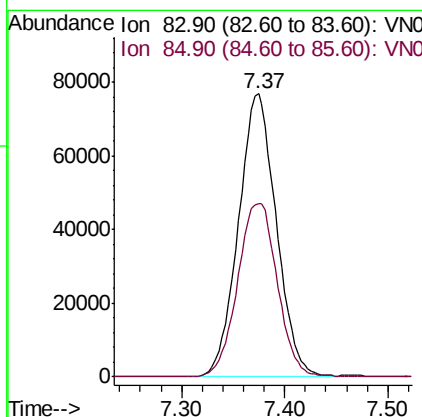
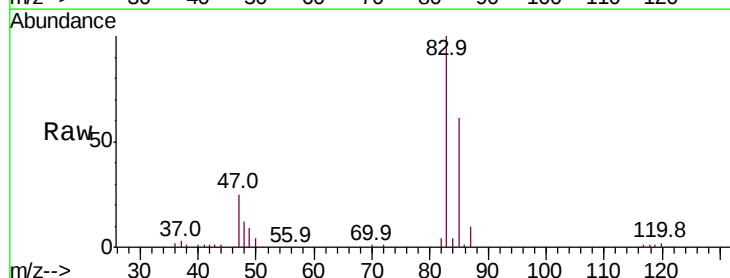
RT: 7.37 min Scan# 1742

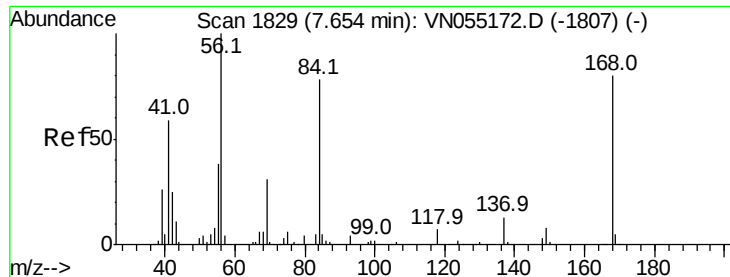
Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Tgt Ion:	83	Resp:	196368
Ion Ratio		Lower	Upper
83	100		
85	61.3	50.6	76.0





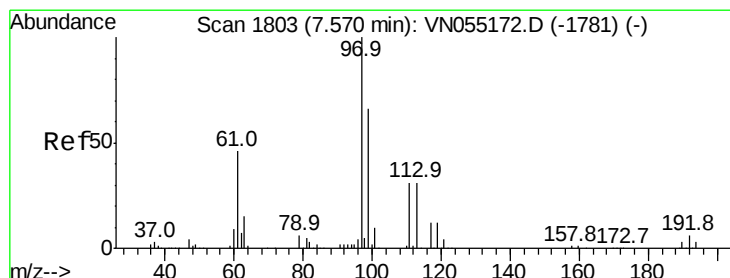
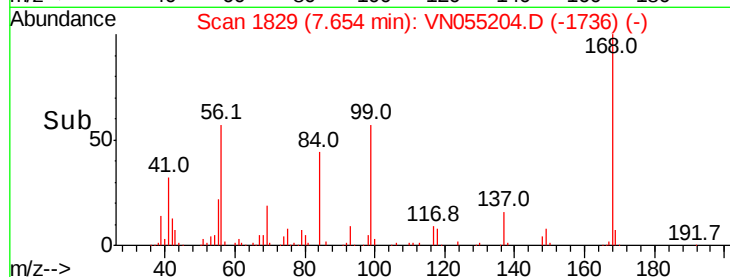
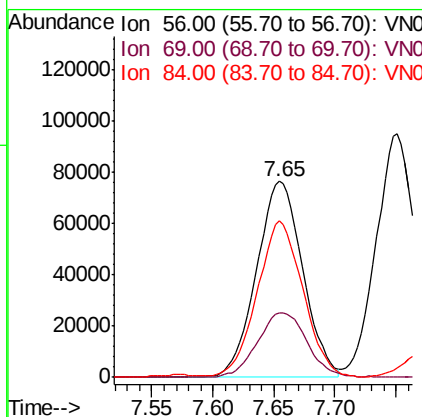
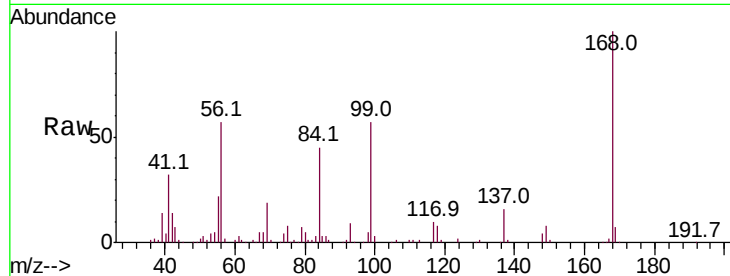
#31
Cyclohexane
Concen: 21.460 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	24.6	37.0
84	78.7	61.4	92.2

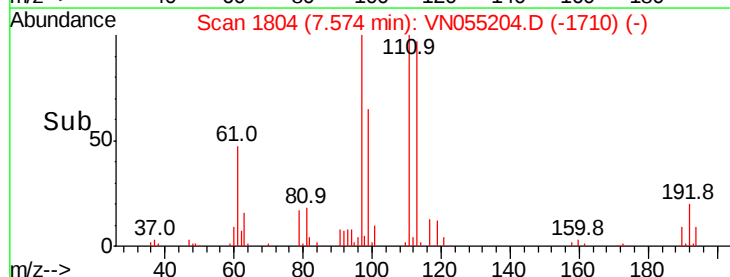
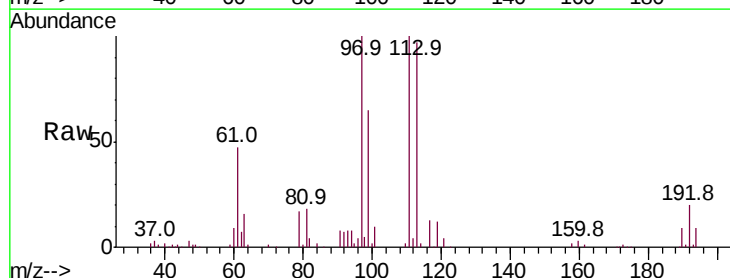
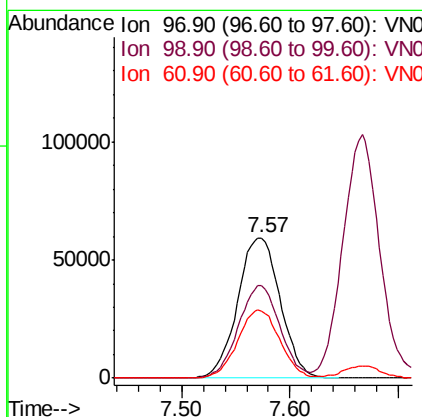
Manual Integrations
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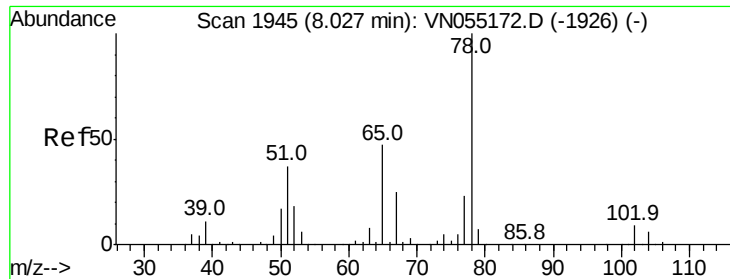
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#32
1,1,1-Trichloroethane
Concen: 21.990 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	47.7	38.3	57.5





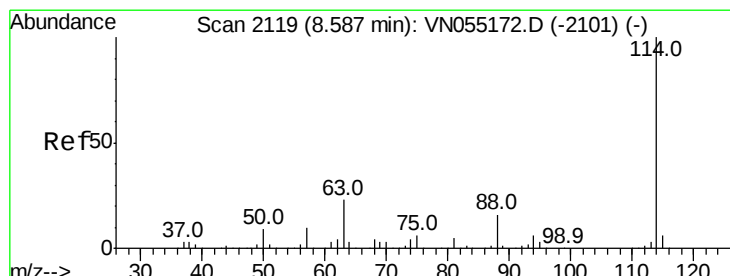
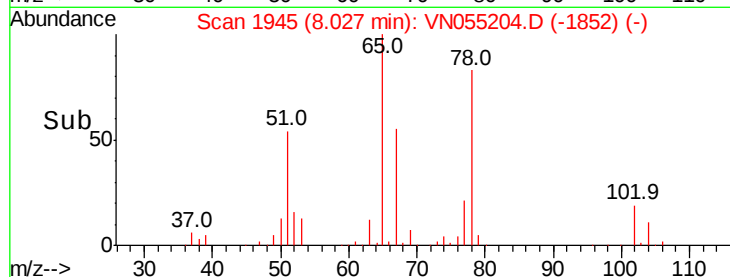
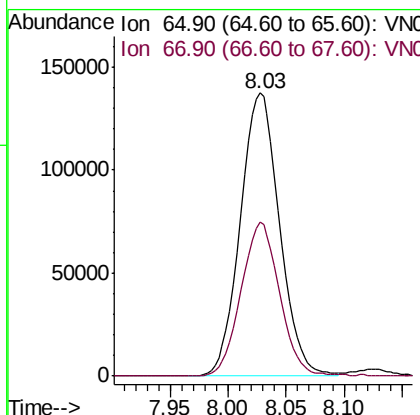
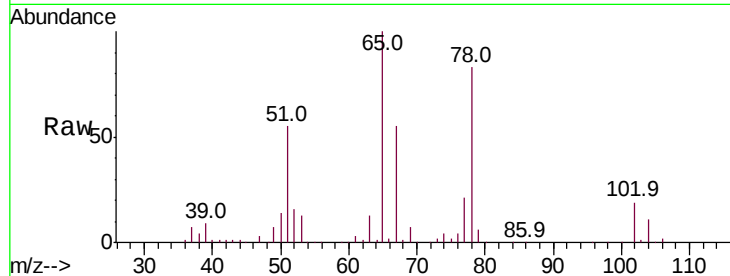
#33
 1,2-Dichloroethane-d4
 Concen: 53.789 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	108.6	

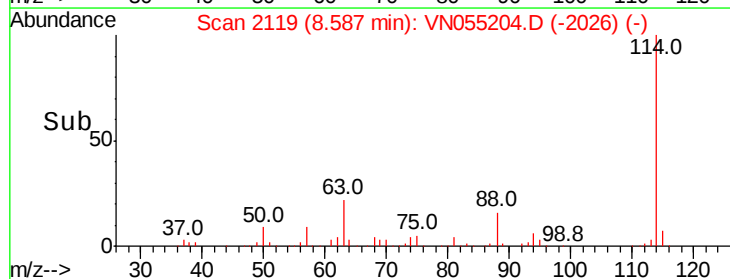
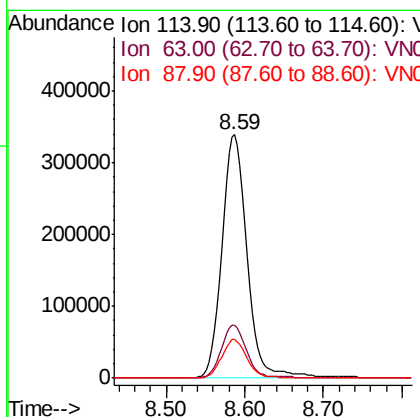
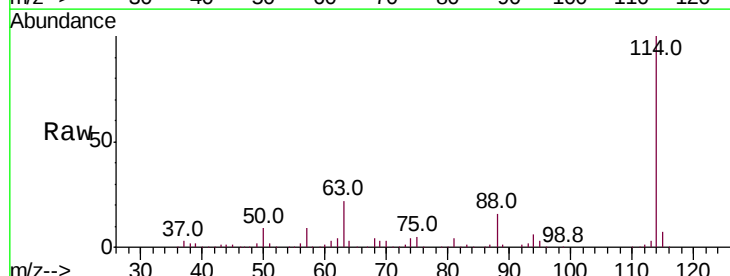
Manual Integrations
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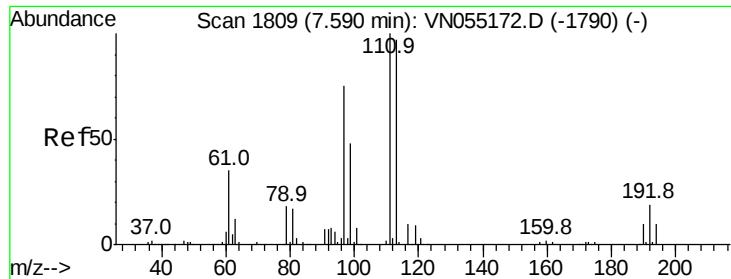
MMDadoda
 4/24/2019 12:44:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.7	0.0	45.2	
88	15.7	0.0	32.8	





#35

Dibromofluoromethane

Concen: 50.517 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

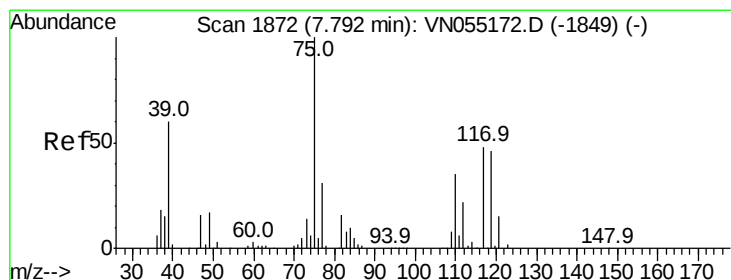
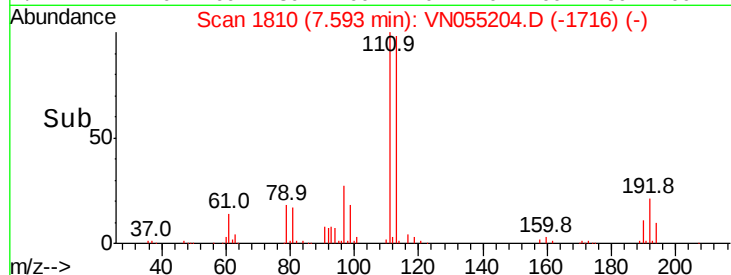
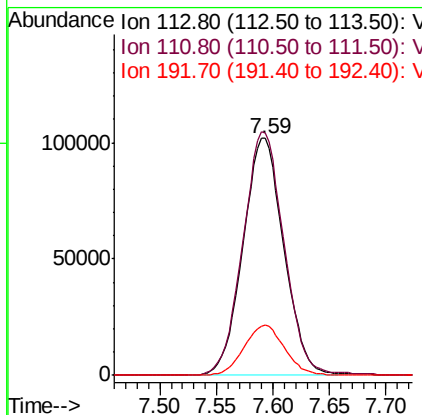
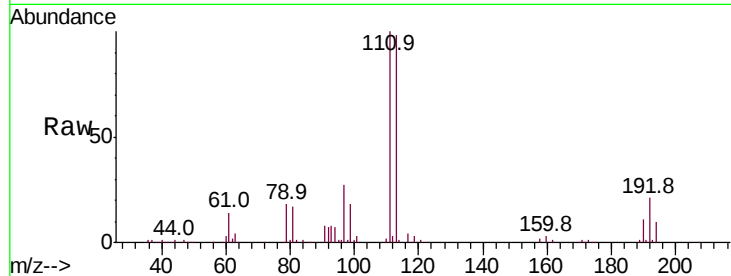
ClientSampleId :

VN0423MBS01

Tot Ion:	113	Resp:	255992
Ion Ratio	Lower	Upper	
113	100		
111	104.0	81.0	121.4
192	21.1	16.2	24.4

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#36

1,1-Dichloropropene

Concen: 21.311 ug/l

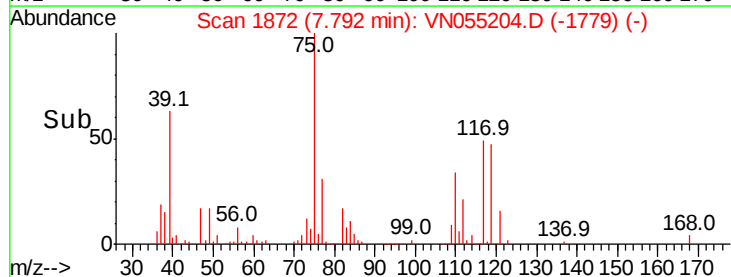
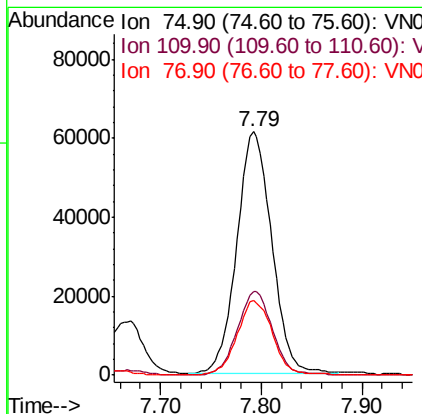
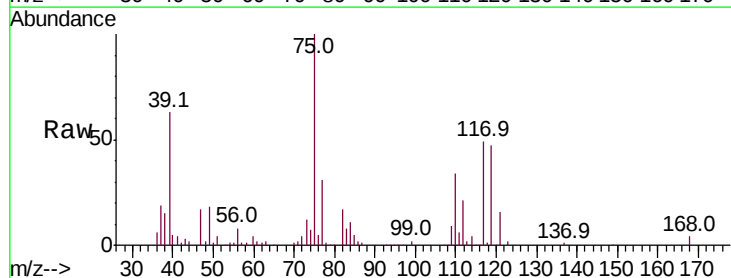
RT: 7.79 min Scan# 1872

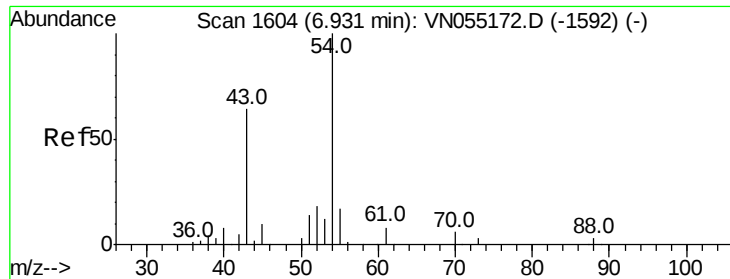
Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Tgt Ion:	75	Resp:	147545
Ion Ratio	Lower	Upper	
75	100		
110	34.6	17.1	51.2
77	31.4	24.6	36.8





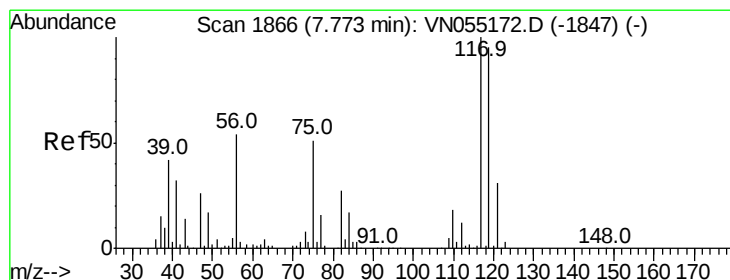
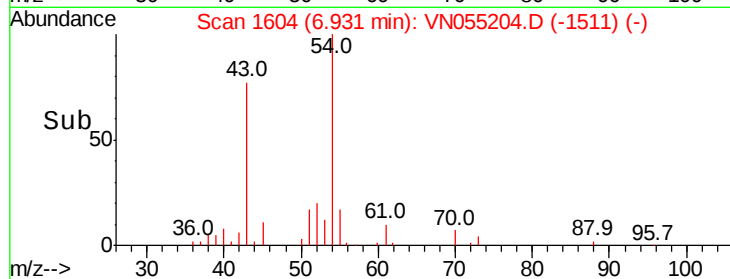
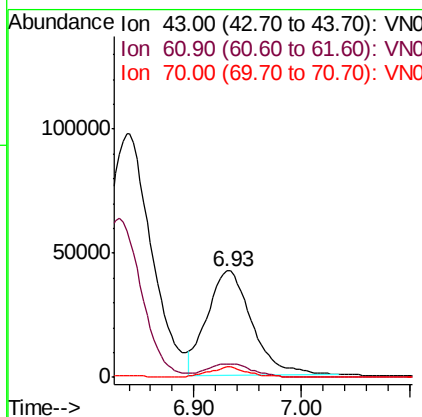
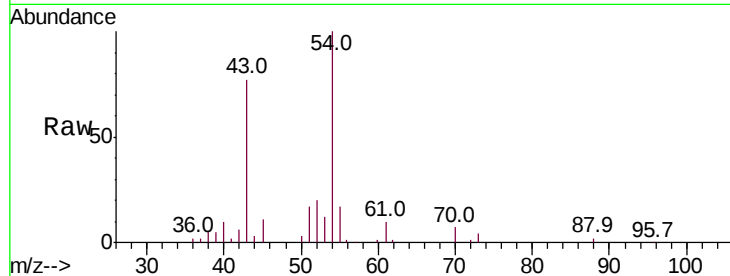
#37
Ethyl Acetate
Concen: 21.687 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.7	14.5
70	8.8	6.9	10.3

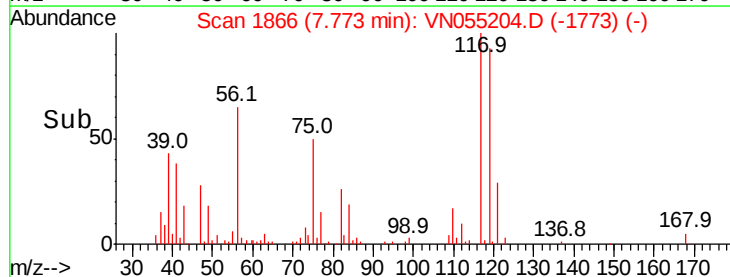
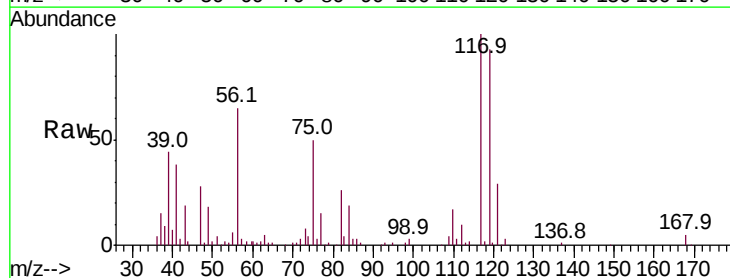
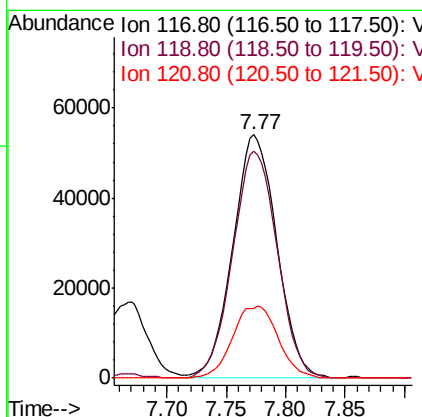
Manual Integrations
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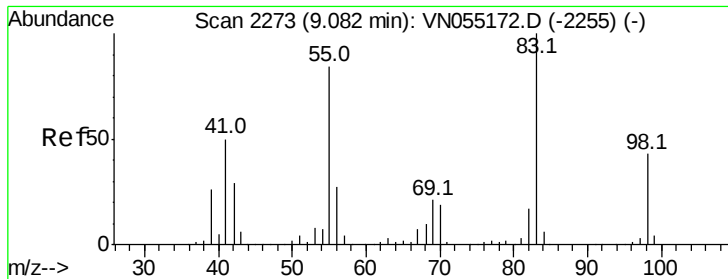
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.357 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.0	114.0
121	28.8	24.6	36.8





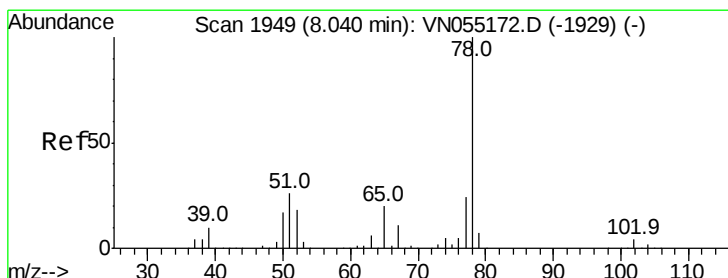
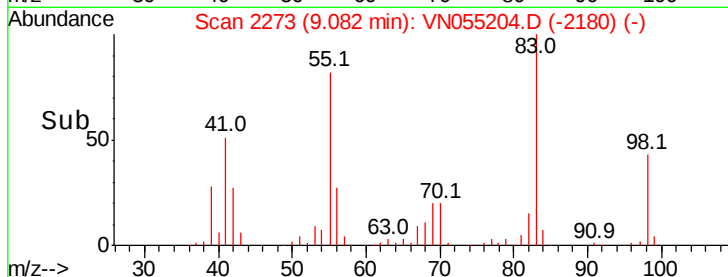
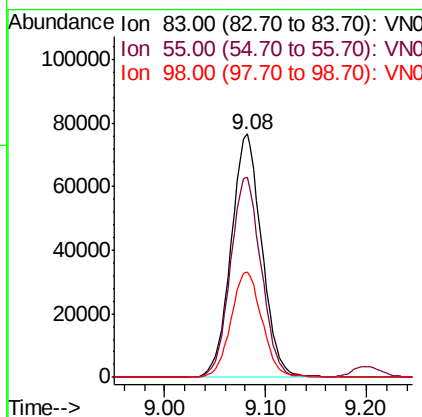
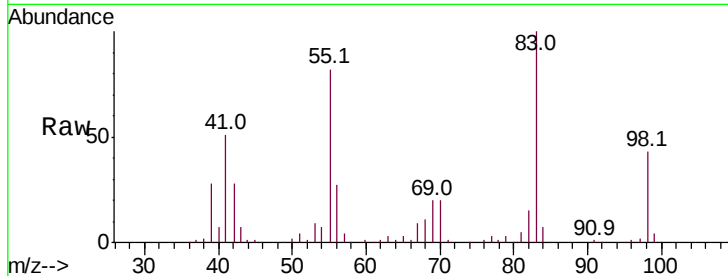
#39
Methvlcvclohexane
Concen: 19.615 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.1	67.4	101.0
98	43.1	34.7	52.1

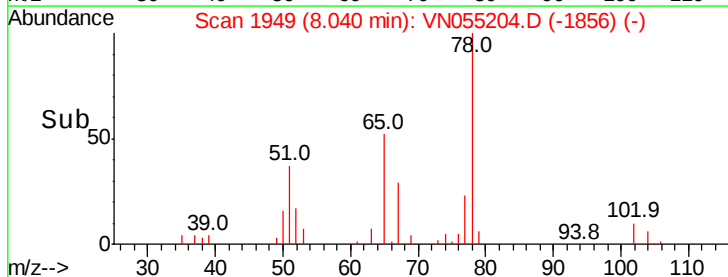
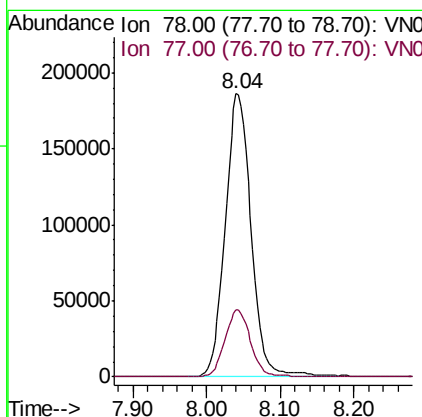
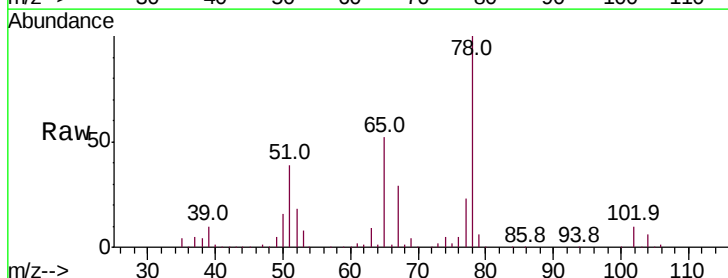
Manual Integrations
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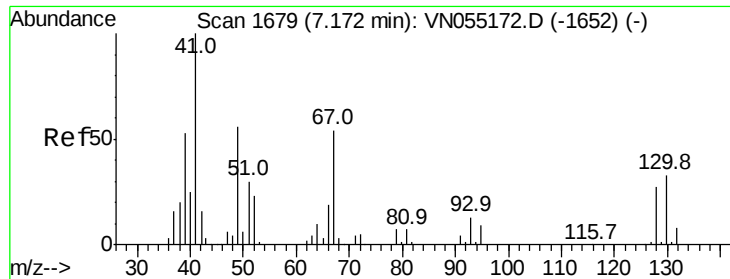
MMDadoda
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#40
Benzene
Concen: 21.266 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.5	29.3





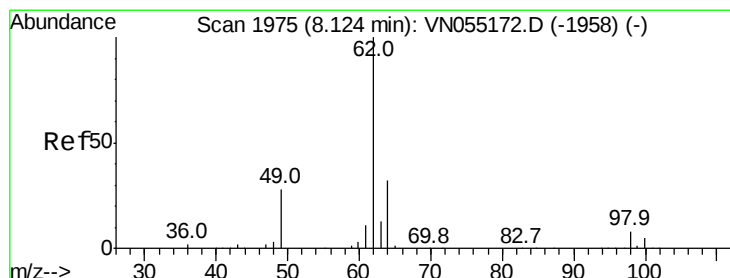
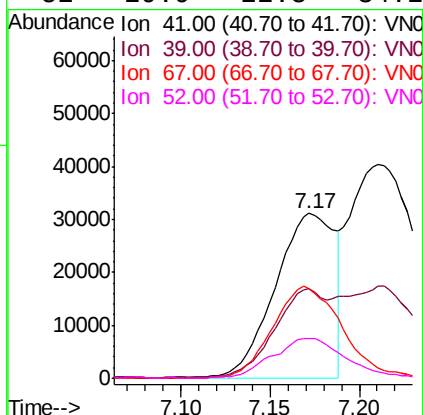
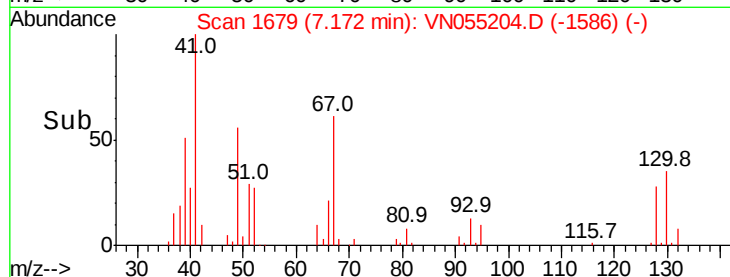
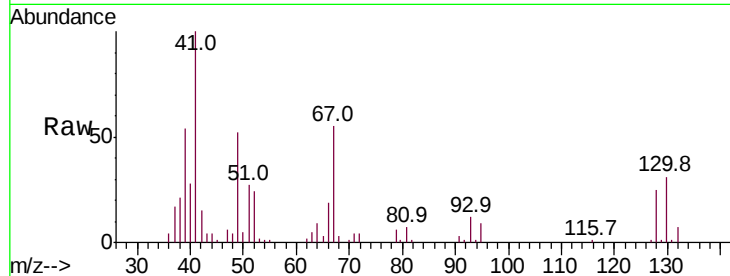
#41
Methacrylonitrile
Concen: 24.763 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	44.7	45.4	68.0#	
67	65.4	54.6	81.8	
52	29.9	22.8	34.2	

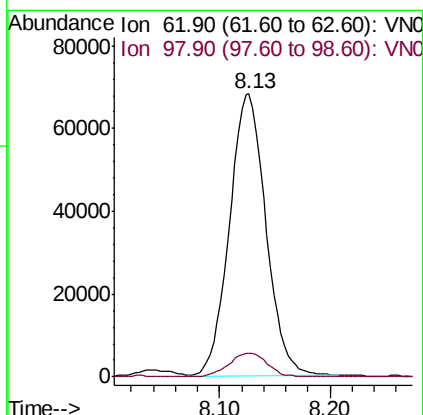
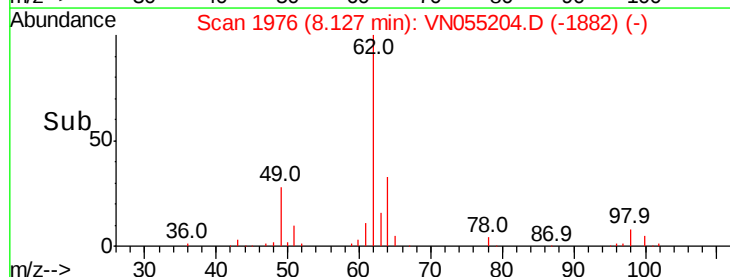
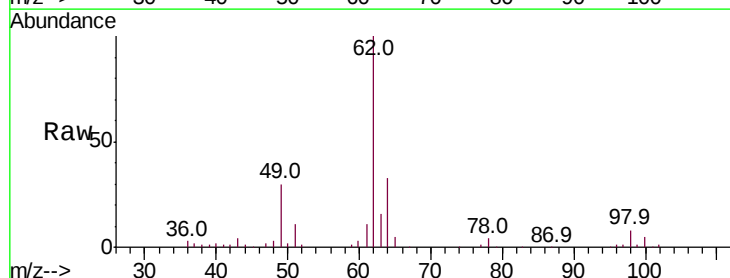
Manual Integrations
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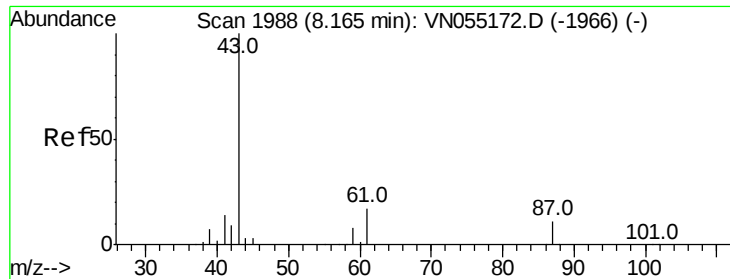
MMDadoda
4/24/2019 12:44:38 PM



#42
1,2-Dichloroethane
Concen: 20.941 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

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





#43

Isopropyl Acetate

Concen: 24.928 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

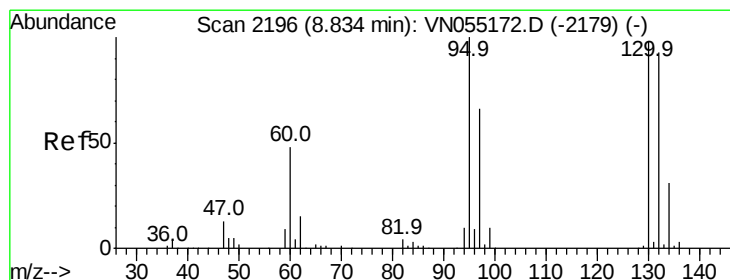
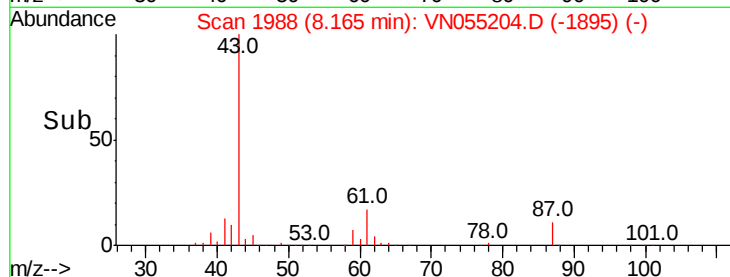
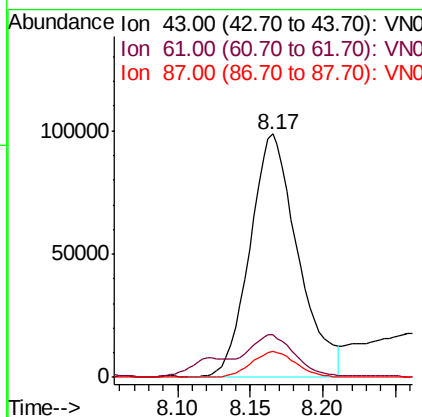
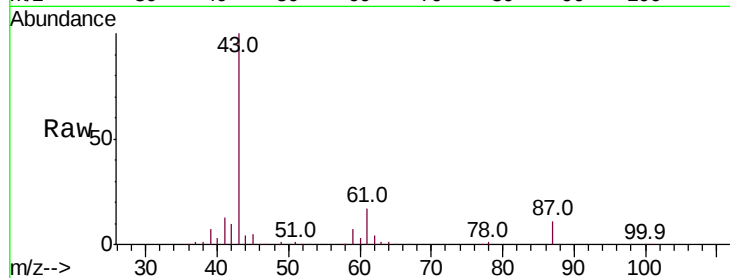
ClientSampleId :

VN0423MBS01

Tot Ion:	43	Resp:	225539
Ion	Ratio	Lower	Upper
43	100		
61	16.3	20.6	30.8#
87	10.1	8.8	13.2

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#44

Trichloroethene

Concen: 20.675 ug/l

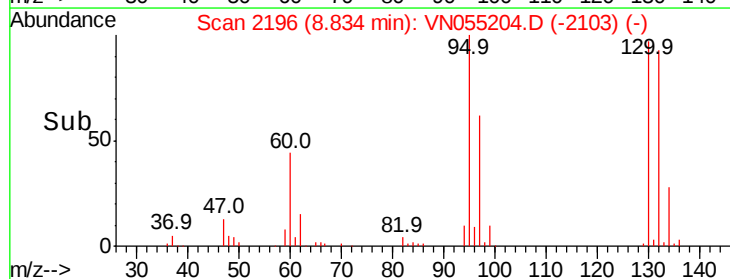
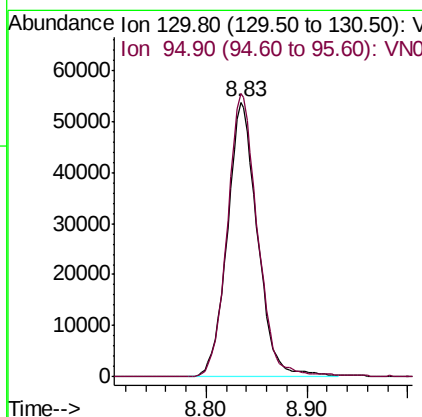
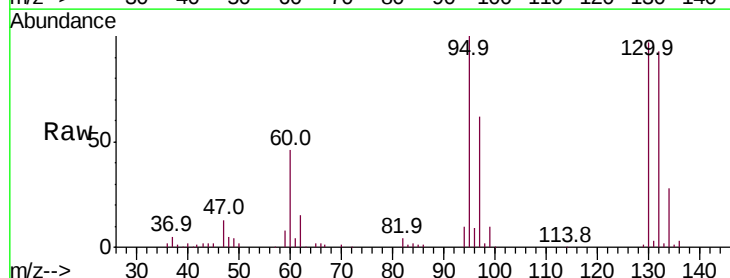
RT: 8.83 min Scan# 2196

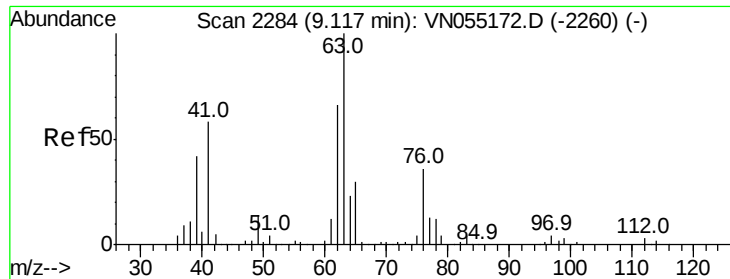
Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Tgt Ion:	130	Resp:	111681
Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	203.6





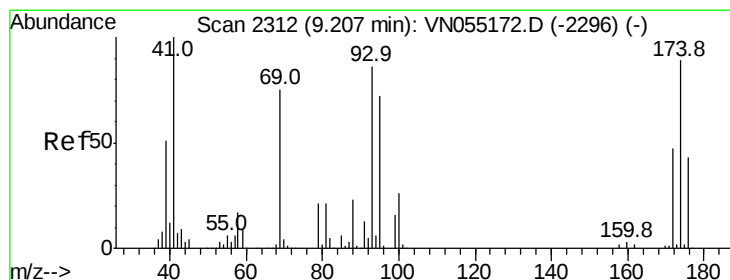
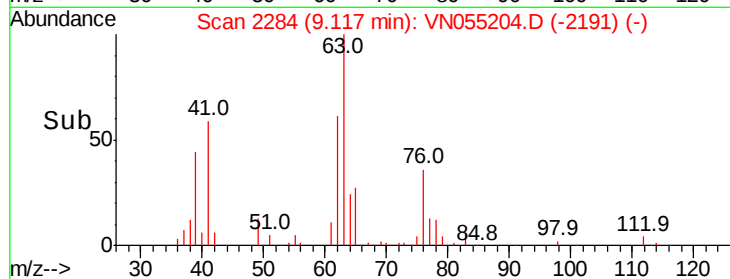
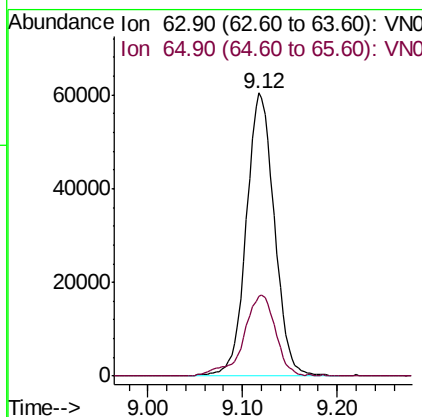
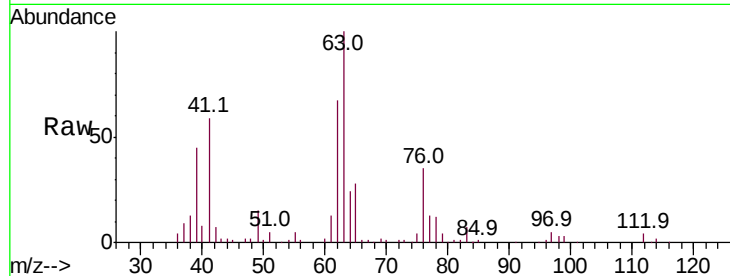
#45
 1,2-Dichloropropane
 Concen: 20.708 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.3	23.8	35.6

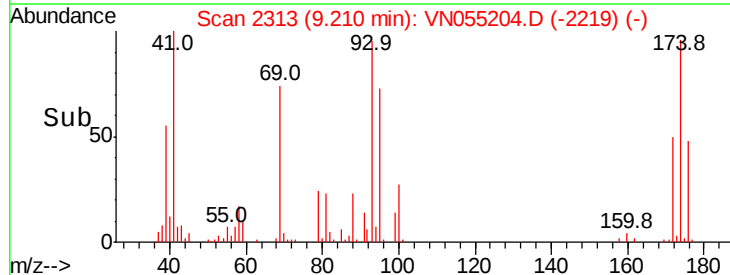
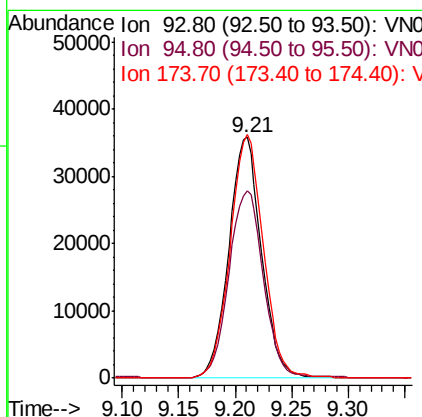
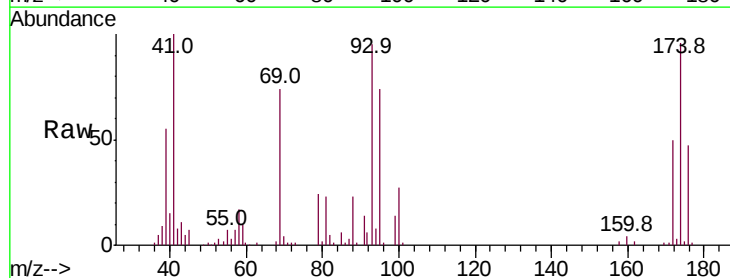
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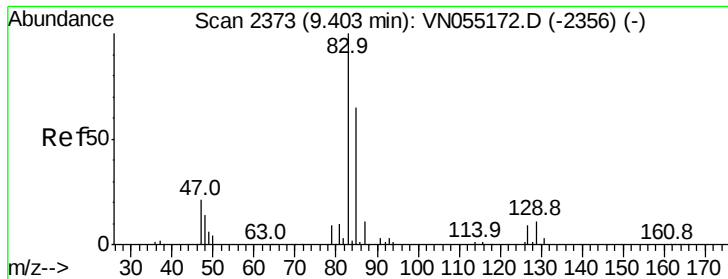
MMDadoda
 4/24/2019 12:44:38 PM



#46
 Dibromomethane
 Concen: 20.809 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	67.6	101.4
174	102.8	83.4	125.2





#47

Bromodichloromethane

Concen: 21.380 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

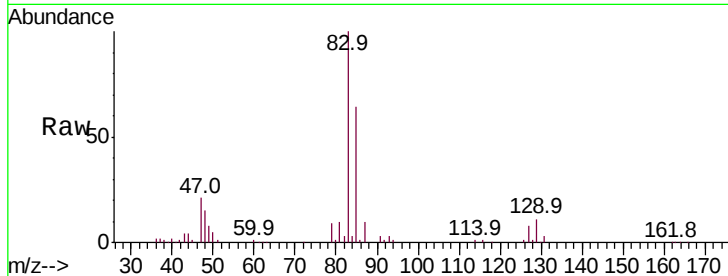
ClientSampleId :

VN0423MBS01

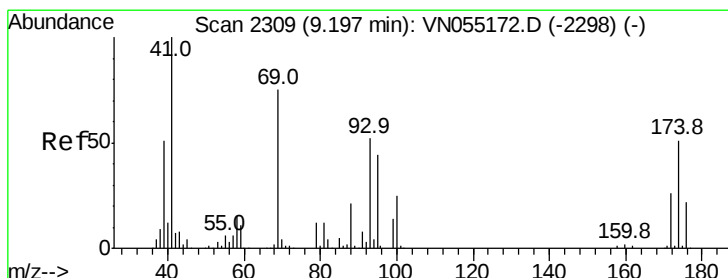
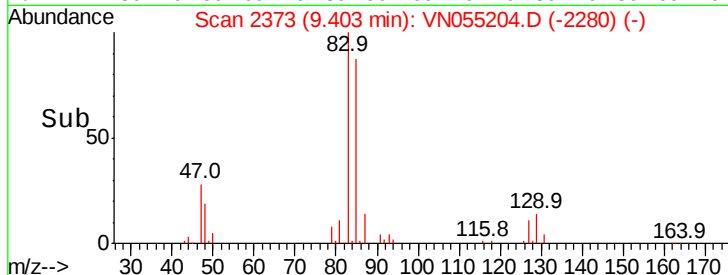
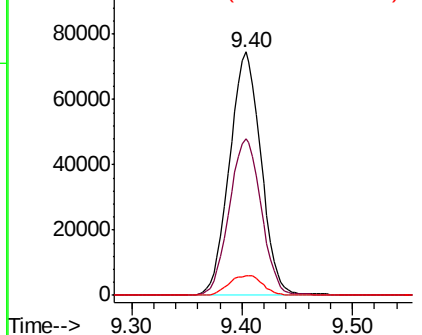
Tot Ion:	83	Resp:	147810
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.1	78.1
127	8.0	6.9	10.3

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Abundance Ion 82.90 (82.60 to 83.60): VN055204.D (-2280) (-)



#48

Methyl methacrylate

Concen: 22.102 ug/l

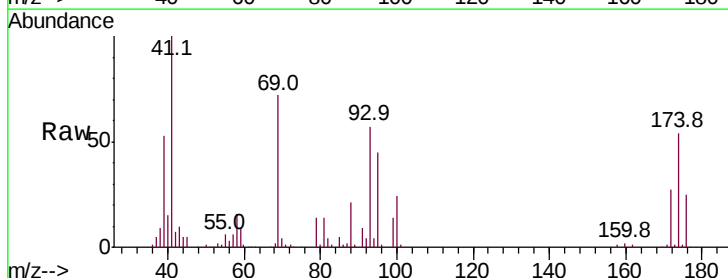
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

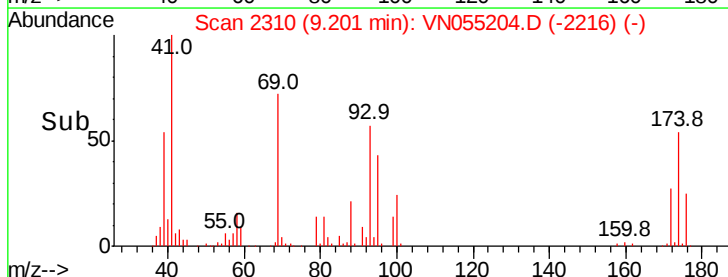
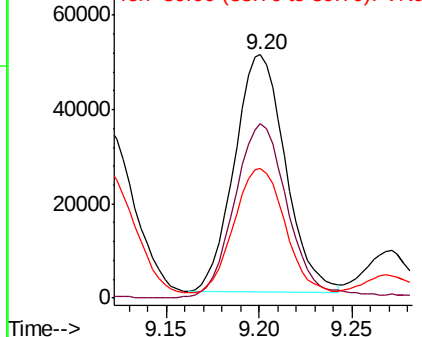
Lab File: VN055204.D

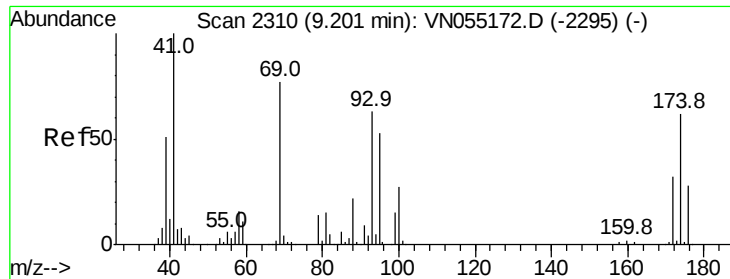
Acq: 23 Apr 2019 14:21

Tgt Ion:	41	Resp:	97003
Ion Ratio	Lower	Upper	
41	100		
69	78.3	63.6	95.4
39	56.0	43.8	65.8



Abundance Ion 41.00 (40.70 to 41.70): VN055204.D (-2216) (-)





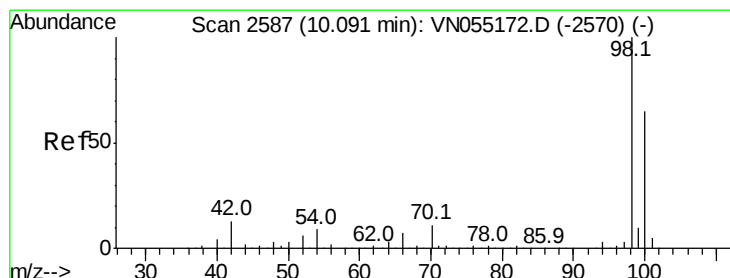
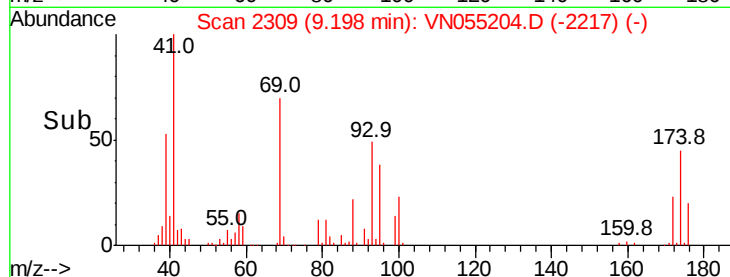
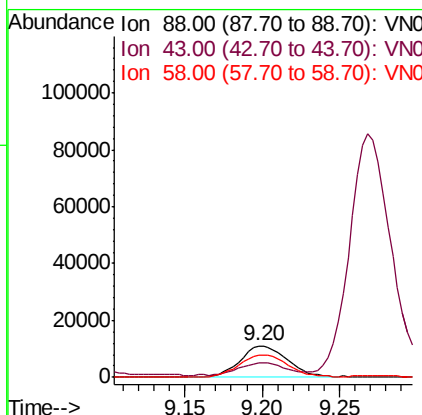
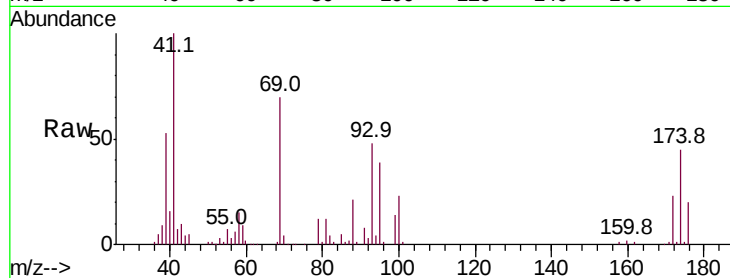
#49
 1,4-Dioxane
 Concen: 464.431 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	32.0	48.0
58	74.7	60.4	90.6

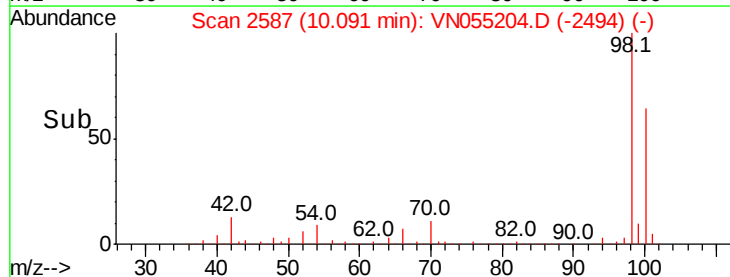
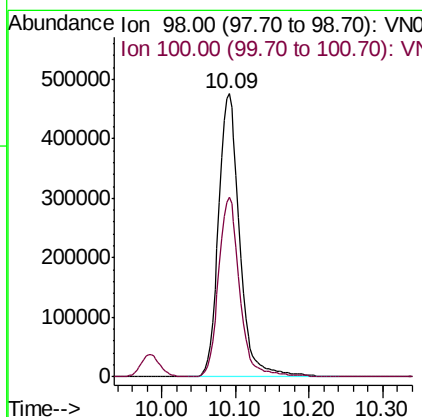
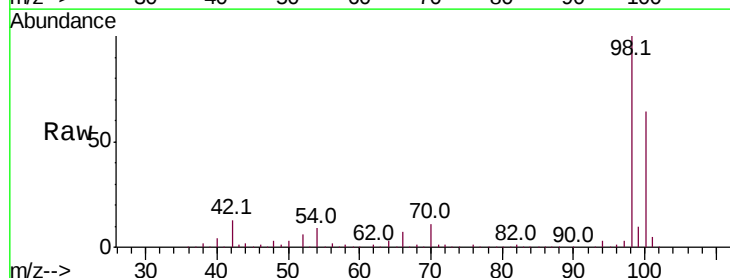
Manual Integrations
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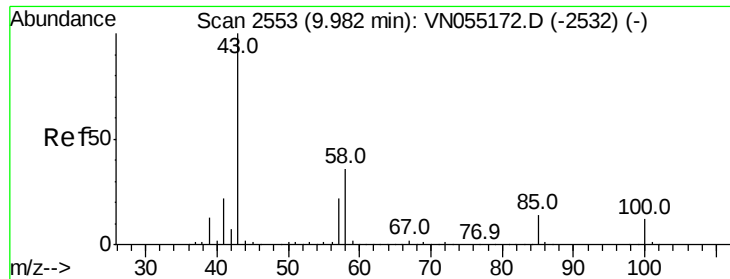
MMDadoda
 4/24/2019 12:44:38 PM



#50
 Toluene-d8
 Concen: 50.446 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.8	77.6





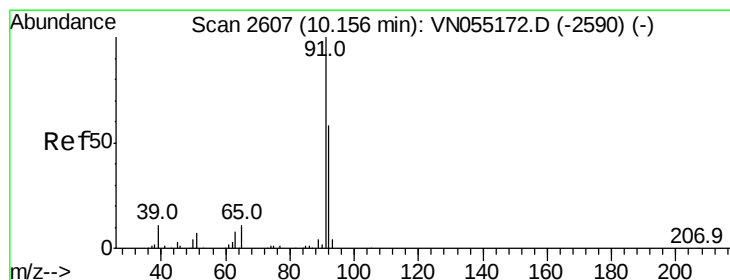
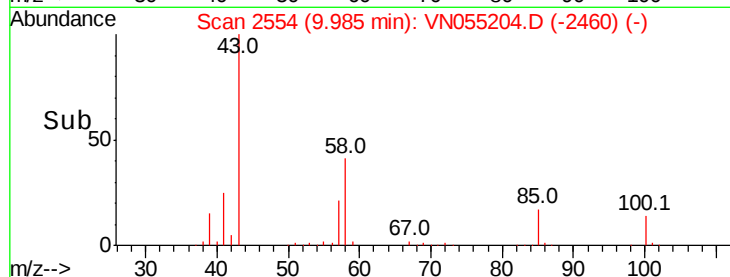
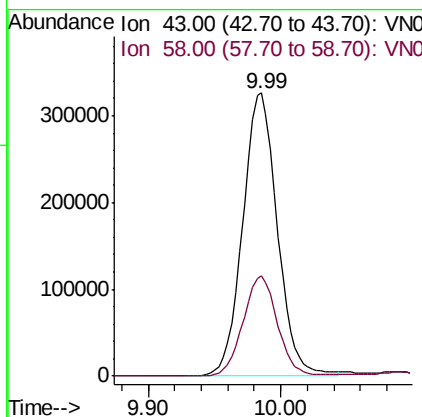
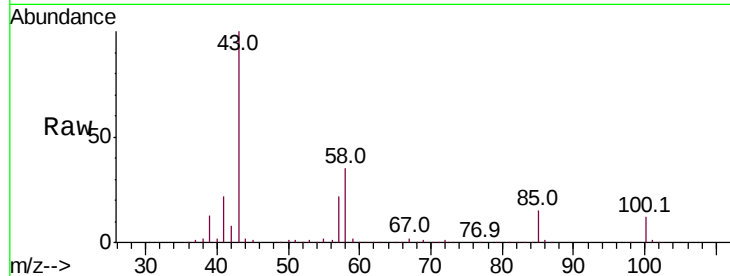
#51
4-Methyl-2-Pentanone
Concen: 113.234 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.3	42.5

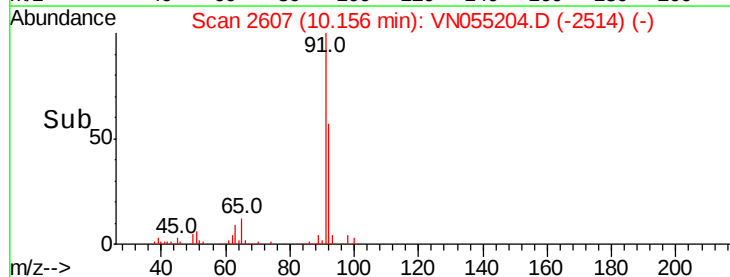
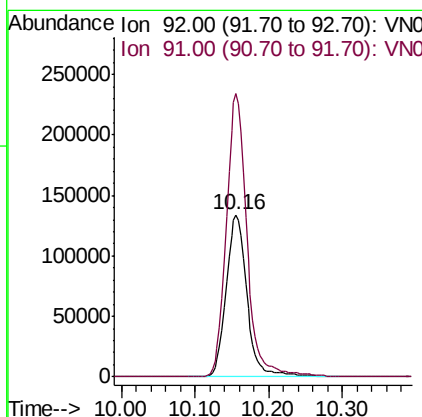
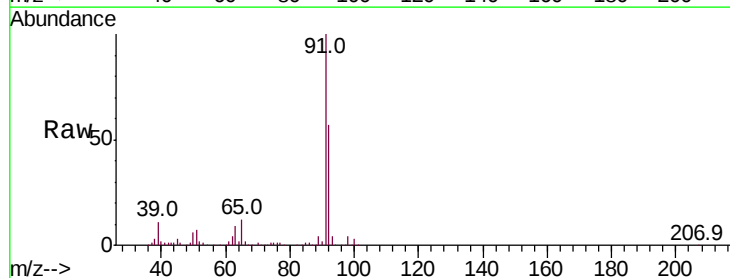
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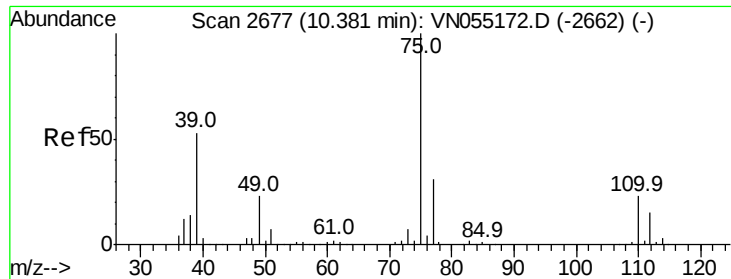
MMDadoda
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#52
Toluene
Concen: 21.018 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.7	138.7	208.1





#53

t-1,3-Dichloropropene

Concen: 21.721 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

VN0423MBS01

Tot Ion: 75 Resp: 137808

Ion Ratio Lower Upper

75 100

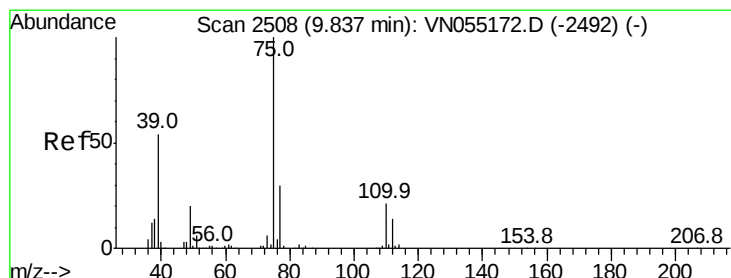
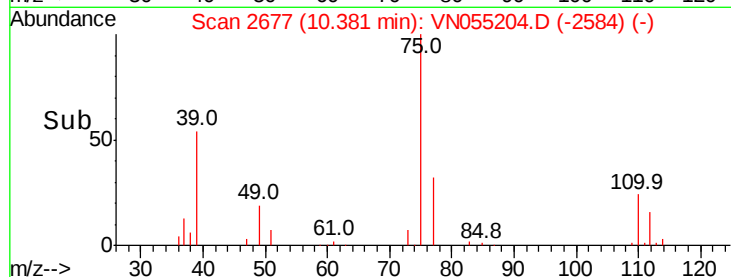
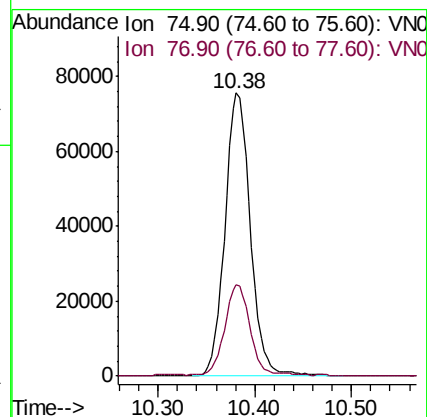
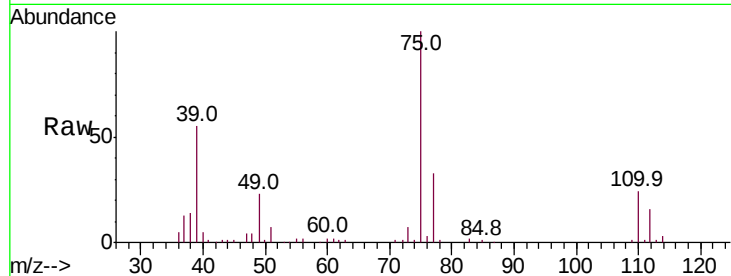
77 32.3 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.323 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

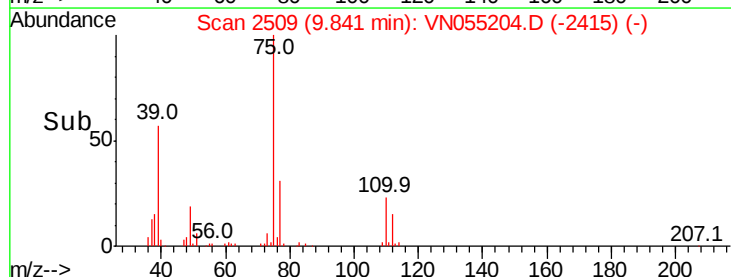
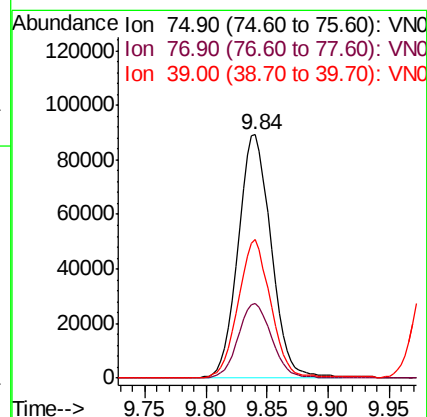
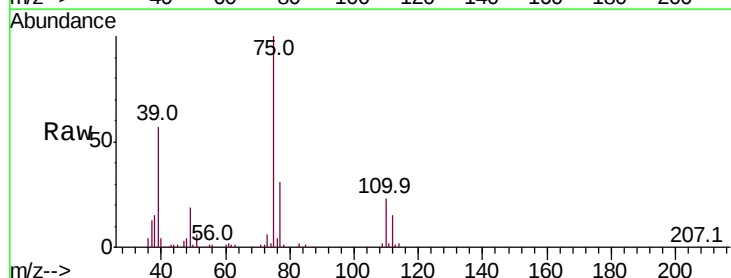
Tgt Ion: 75 Resp: 167881

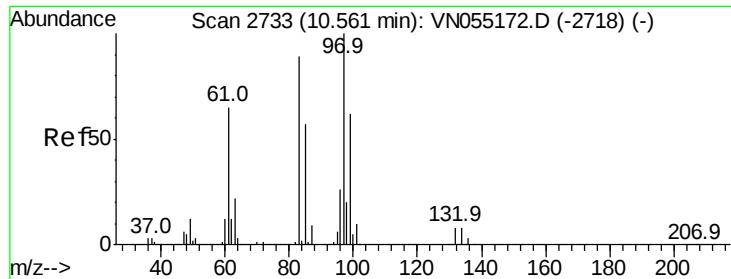
Ion Ratio Lower Upper

75 100

77 30.8 24.3 36.5

39 56.5 43.0 64.4





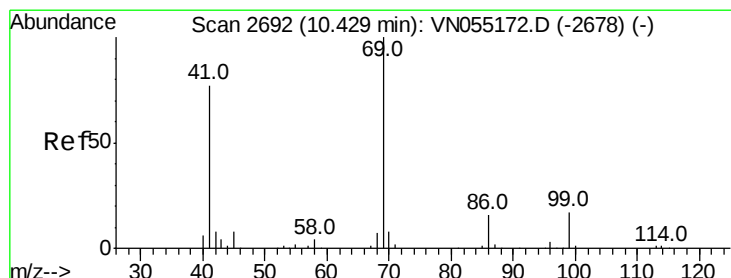
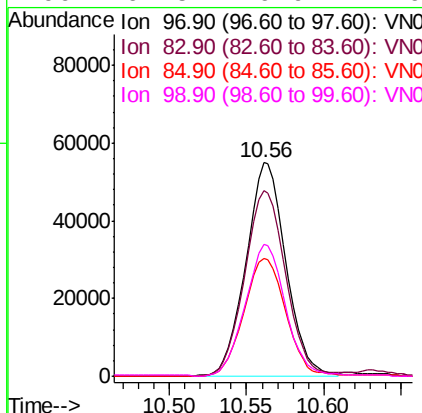
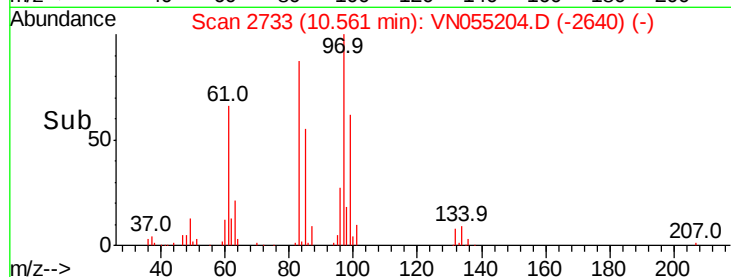
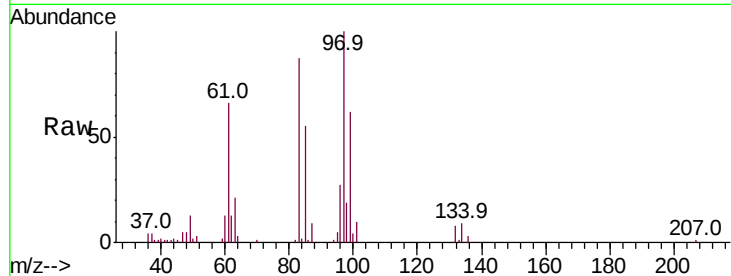
#55
 1,1,2-Trichloroethane
 Concen: 21.415 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

Tot Ion:	97	Resp:	98915
Ion	Ratio	Lower	Upper
97	100		
83	86.7	71.5	107.3
85	55.4	45.8	68.6
99	61.5	49.9	74.9

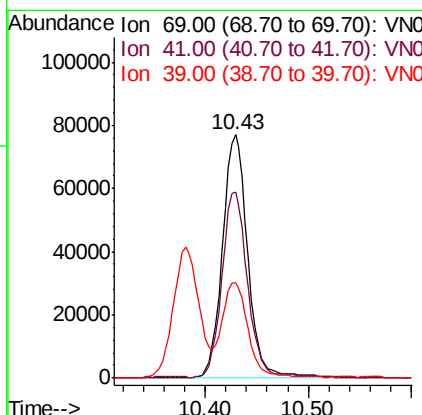
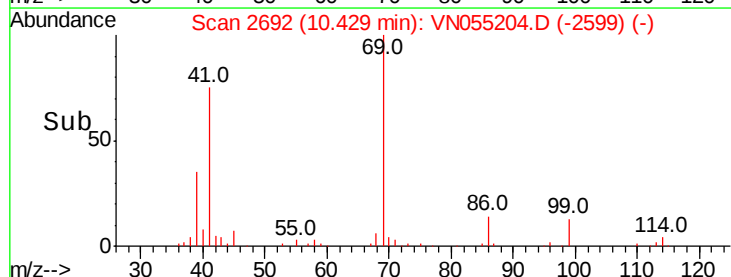
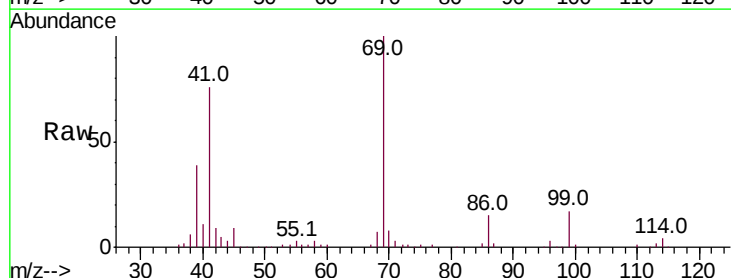
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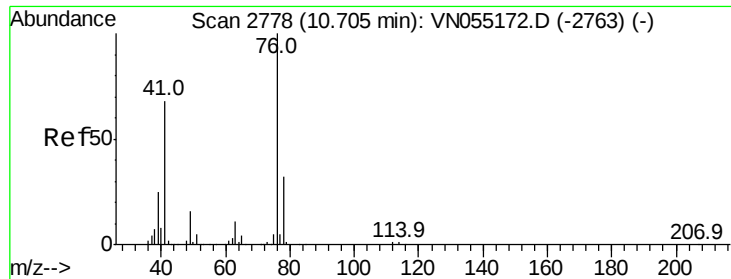
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#56
 Ethyl methacrylate
 Concen: 22.870 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion:	69	Resp:	131597
Ion	Ratio	Lower	Upper
69	100		
41	76.2	60.6	90.8
39	38.7	31.7	47.5





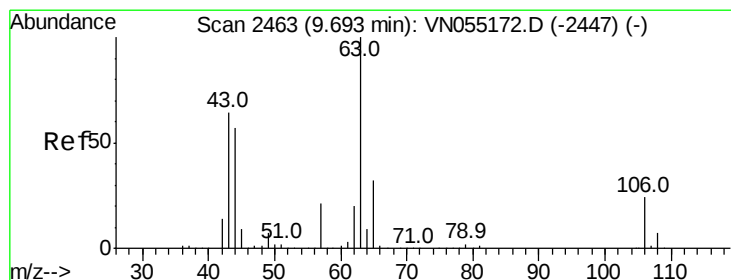
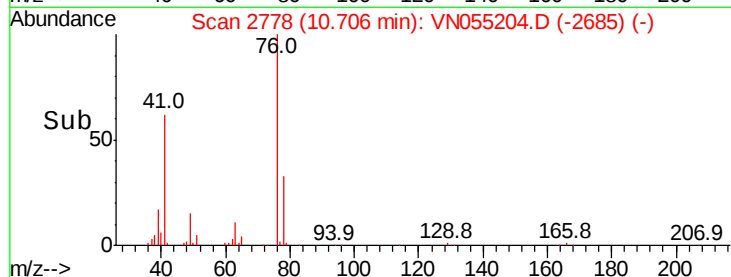
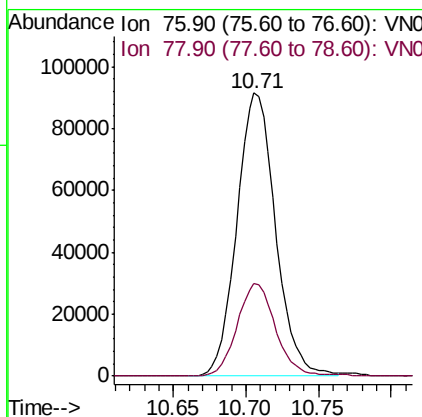
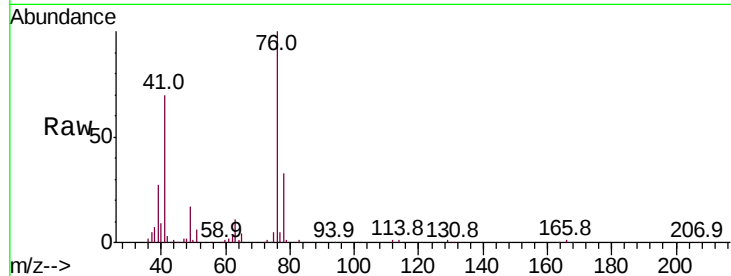
#57
 1,3-Dichloropropane
 Concen: 21.097 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

Tot Ion: 76 Resp: 169547
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.3 37.9

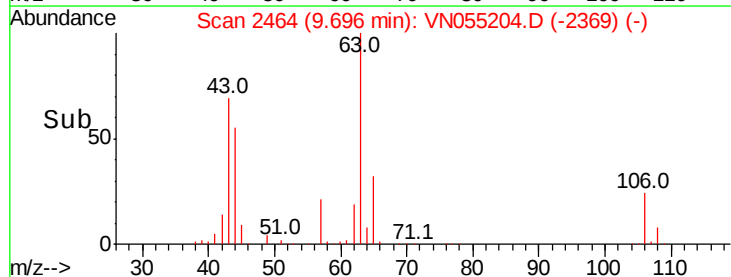
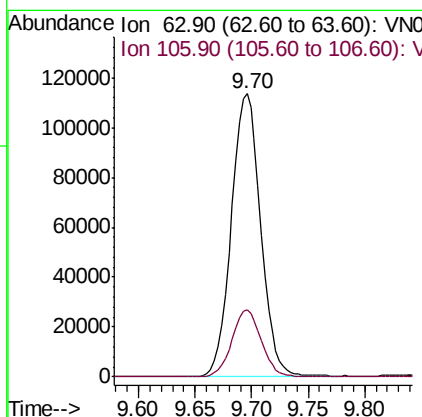
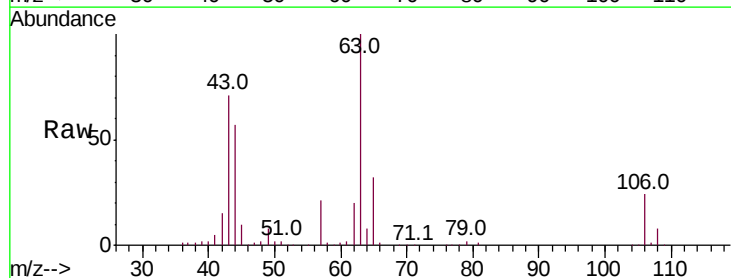
Manual Integrations
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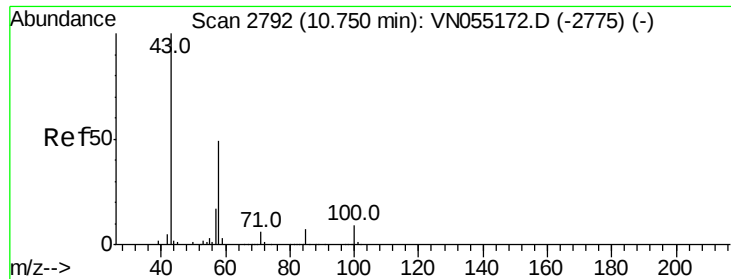
MMDadoda
 4/24/2019 12:44:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.914 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion: 63 Resp: 205803
 Ion Ratio Lower Upper
 63 100
 106 23.6 19.4 29.0





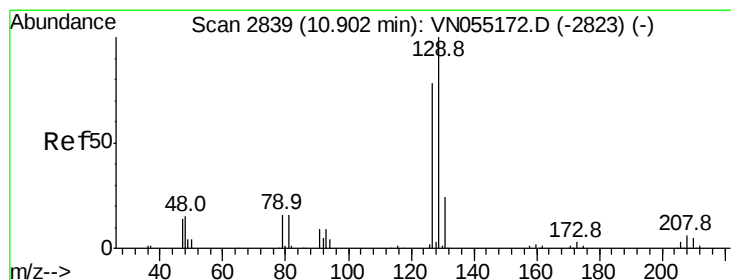
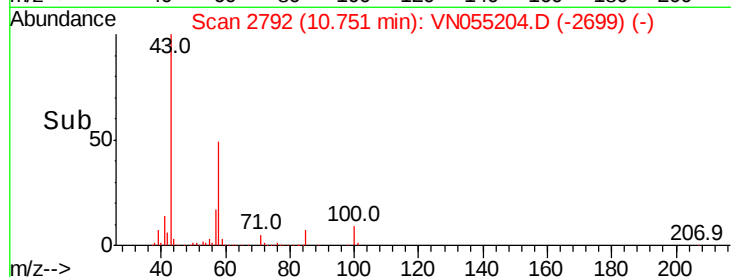
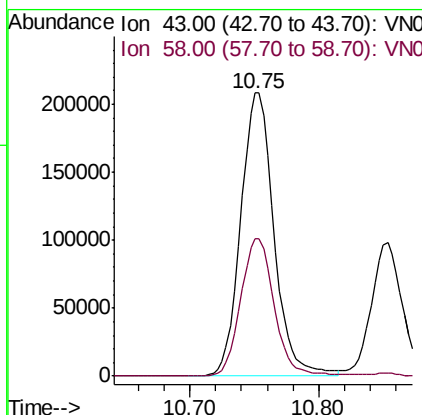
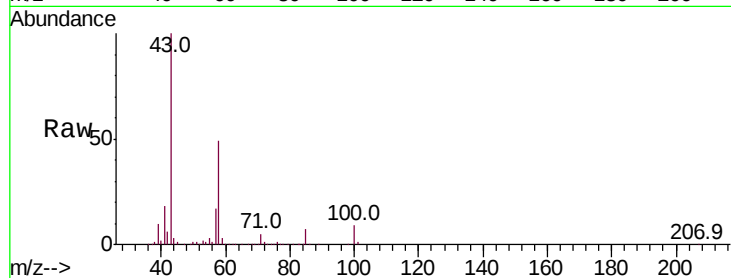
#59
2-Hexanone
Concen: 112.958 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion: 43 Resp: 371469
Ion Ratio Lower Upper
43 100
58 49.6 24.5 73.5

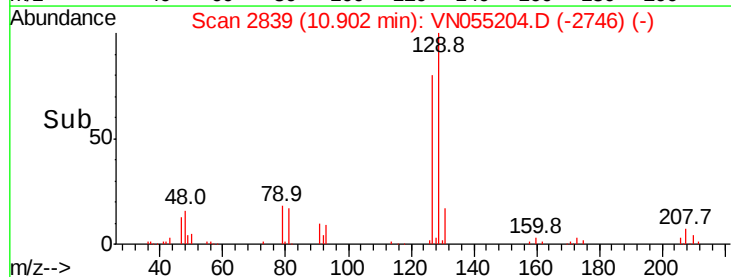
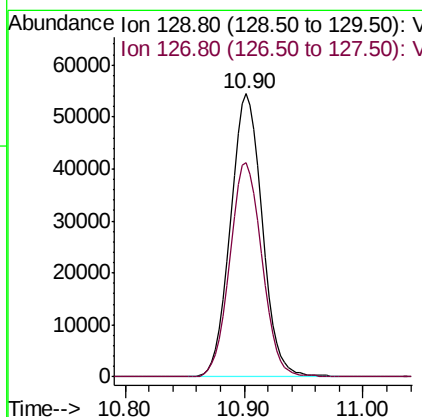
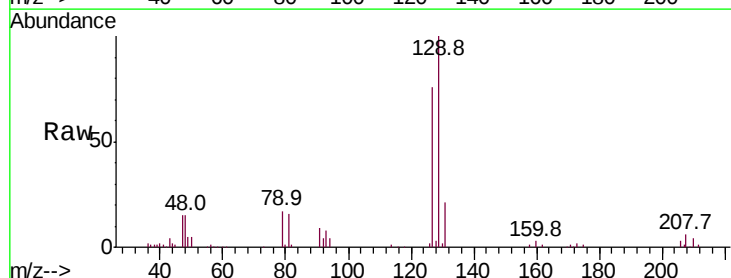
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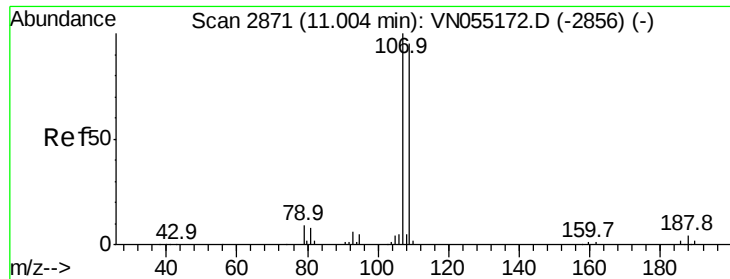
MMDadoda
4/24/2019 12:44:38 PM



#60
Dibromochloromethane
Concen: 21.164 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion: 129 Resp: 100690
Ion Ratio Lower Upper
129 100
127 76.7 39.0 117.0





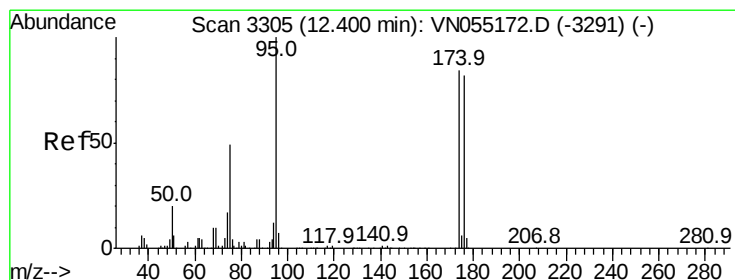
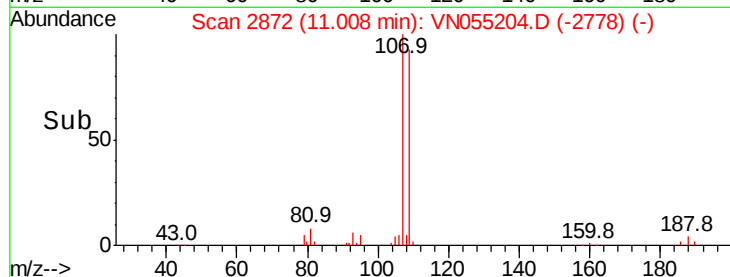
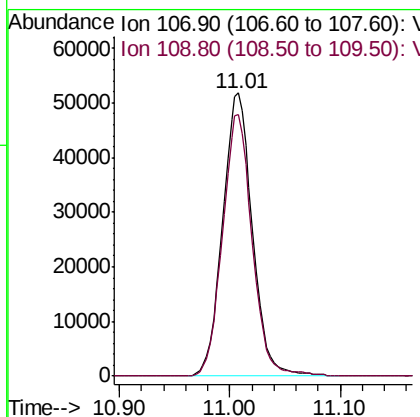
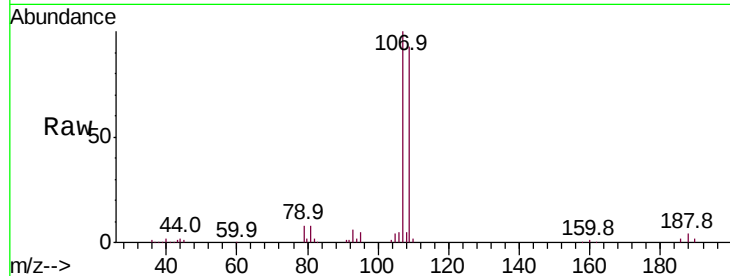
#61
 1,2-Dibromoethane
 Concen: 22.253 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.8	113.6

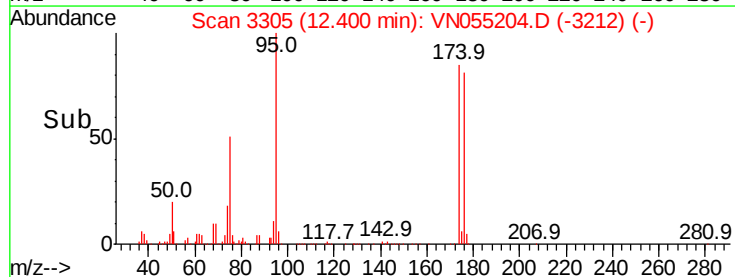
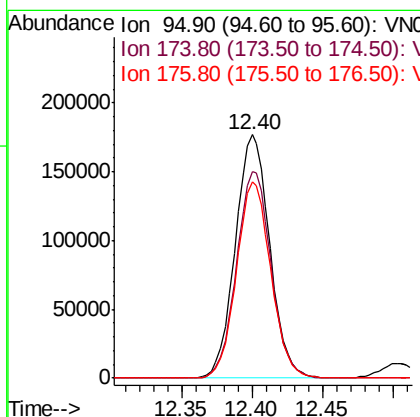
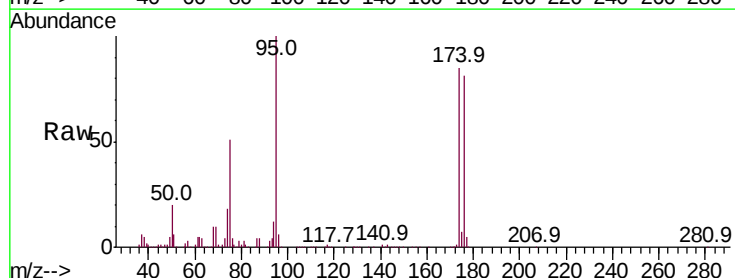
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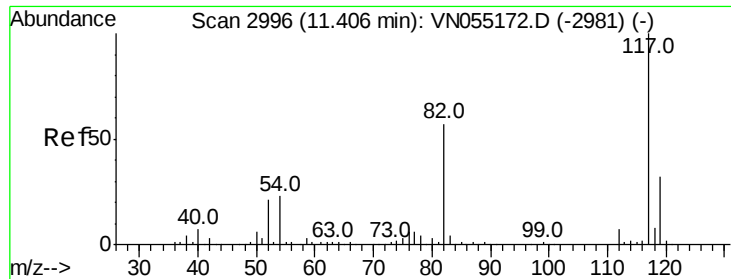
MMDadoda
 4/24/2019 12:44:38 PM



#62
 4-Bromofluorobenzene
 Concen: 50.871 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.2	0.0	168.4
176	80.4	0.0	164.0





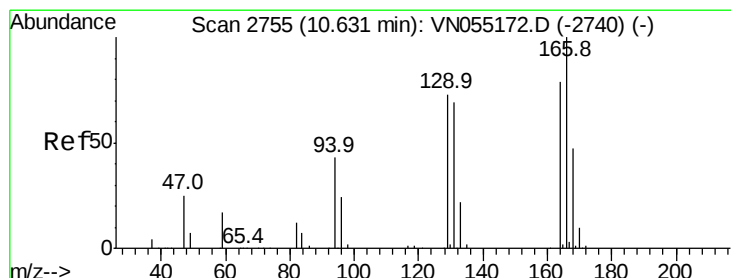
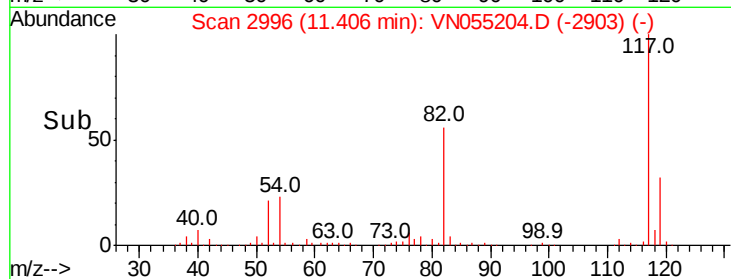
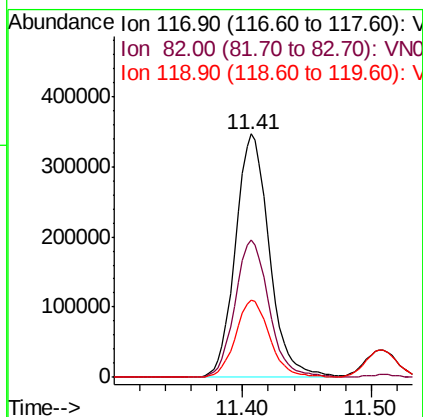
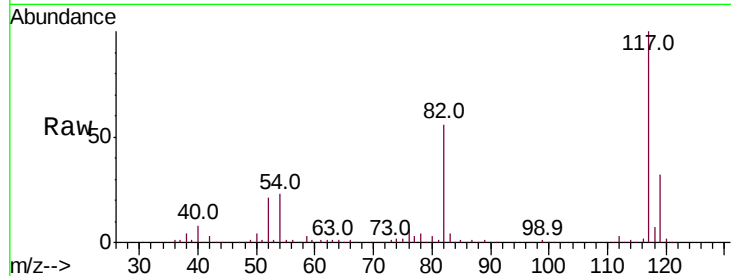
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.7	68.5
119	31.5	25.4	38.2

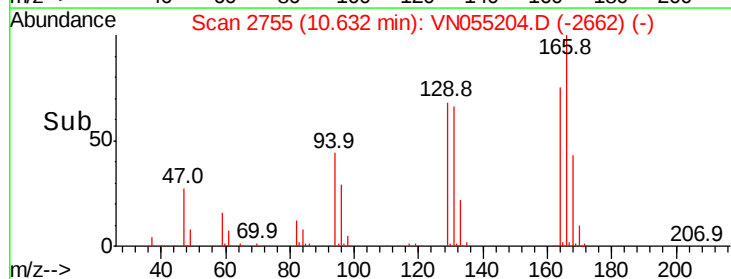
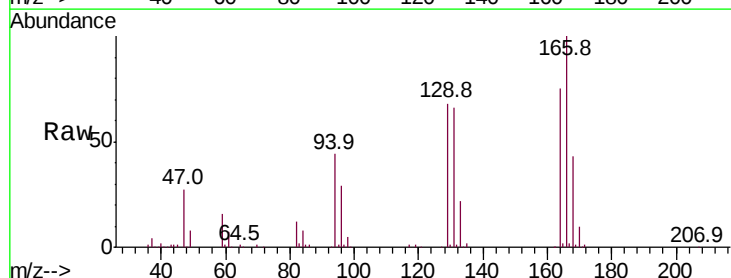
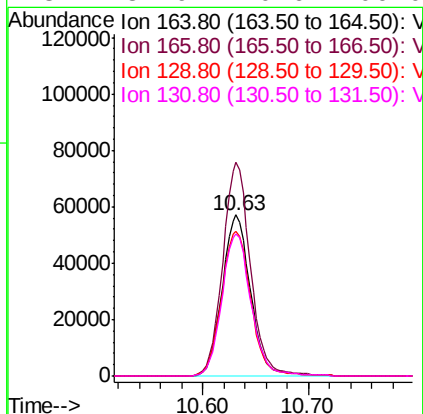
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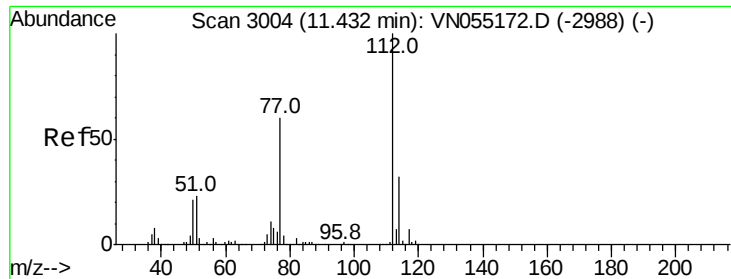
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#64
Tetrachloroethene
Concen: 20.525 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.8	101.9	152.9
129	90.2	74.1	111.1
131	87.9	70.6	106.0





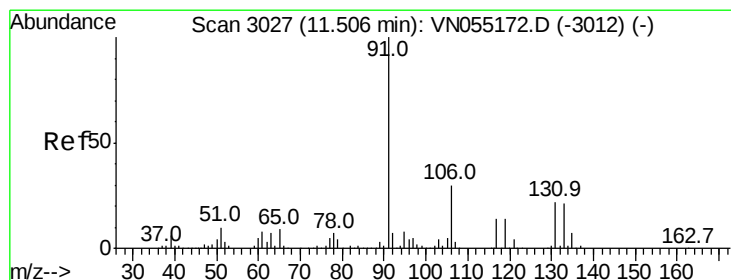
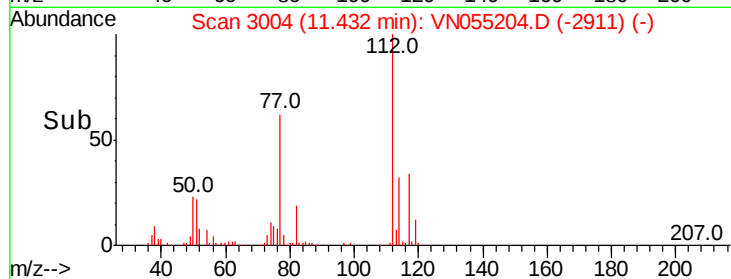
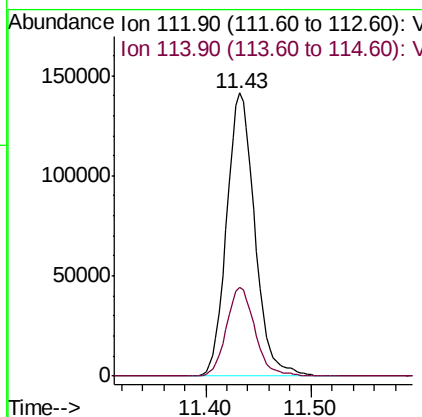
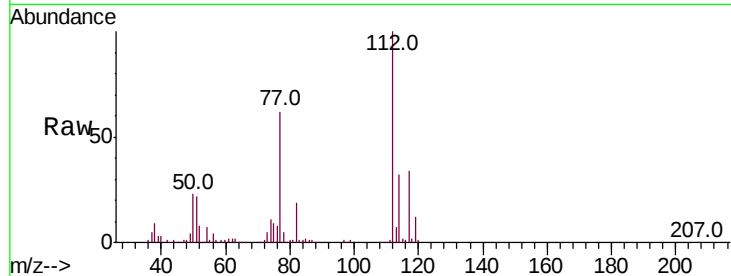
#65
Chlorobenzene
Concen: 20.131 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion:112 Resp: 260606
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0

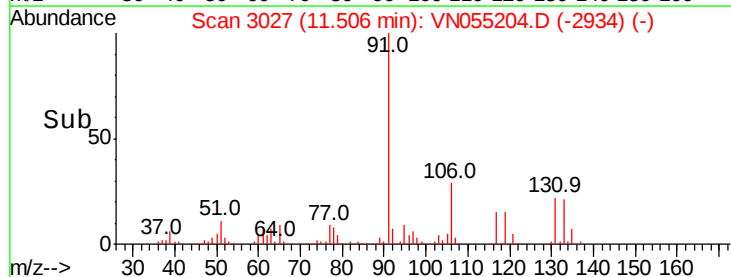
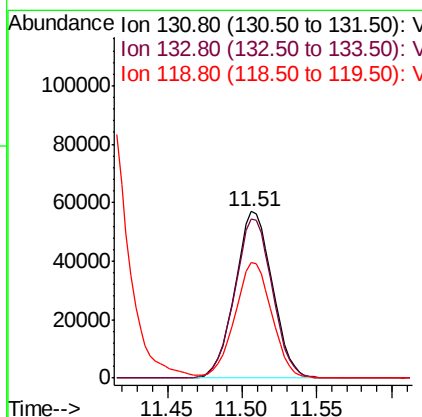
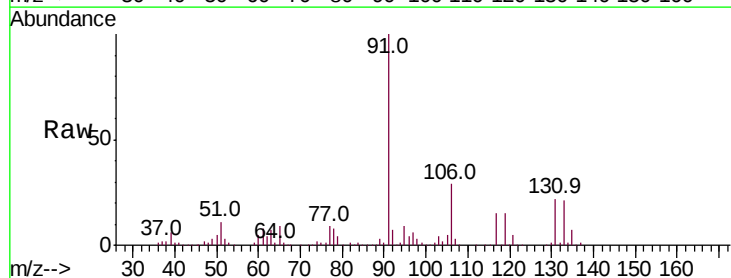
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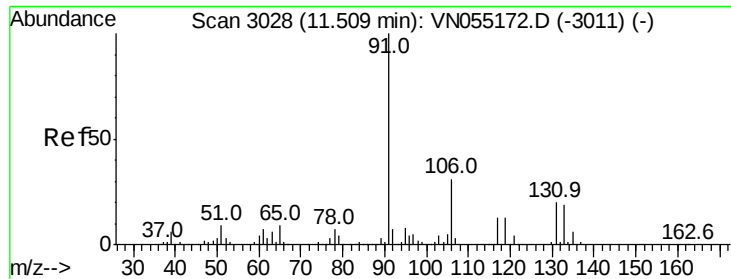
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.718 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion:131 Resp: 99407
Ion Ratio Lower Upper
131 100
133 96.0 47.7 143.1
119 68.2 33.2 99.6





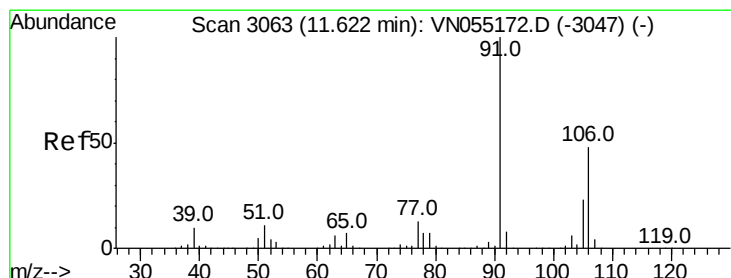
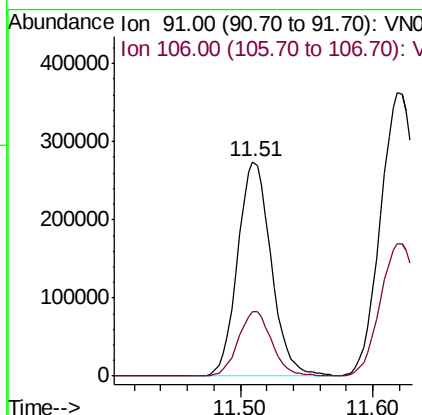
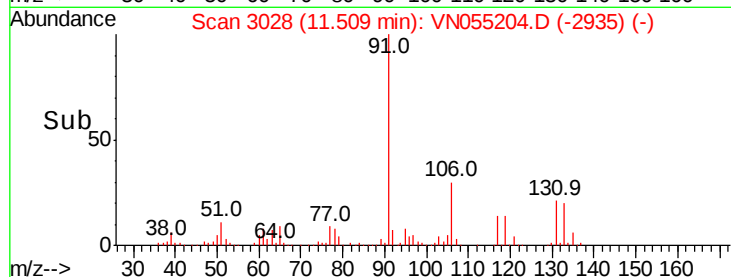
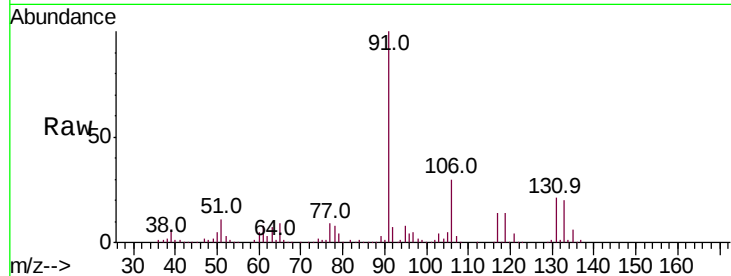
#67
Ethyl Benzene
Concen: 20.933 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion: 91 Resp: 482715
Ion Ratio Lower Upper
91 100
106 30.1 24.5 36.7

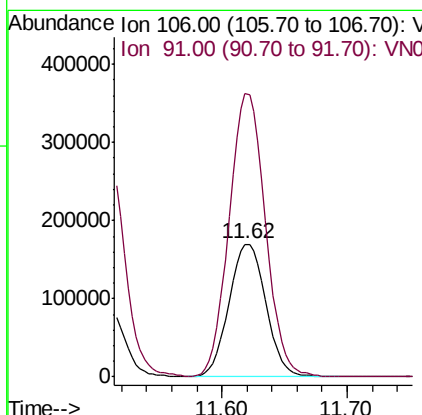
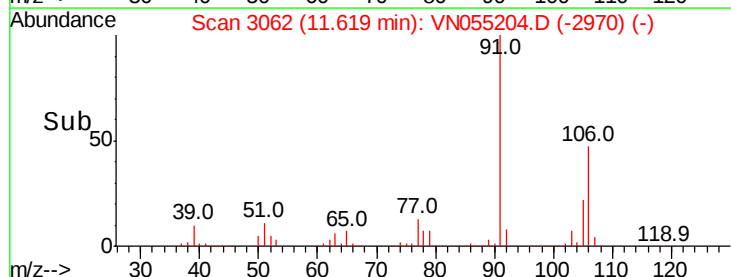
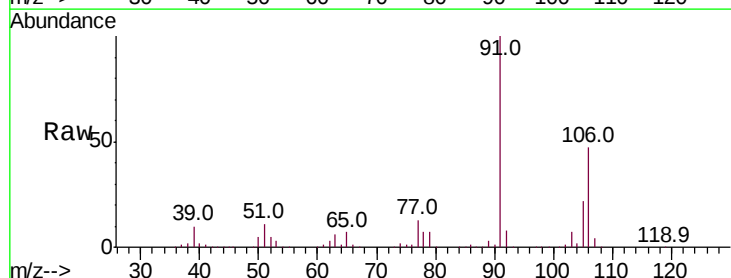
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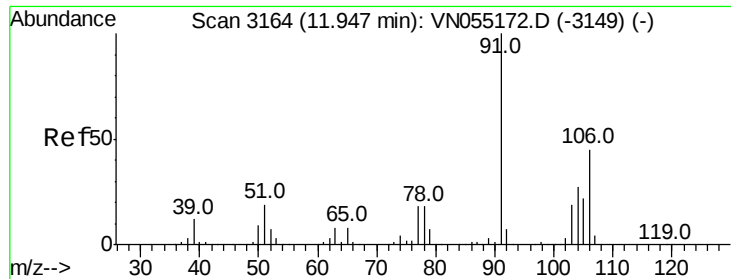
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#68
m/p-Xylenes
Concen: 42.013 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion: 106 Resp: 347480
Ion Ratio Lower Upper
106 100
91 209.8 167.1 250.7





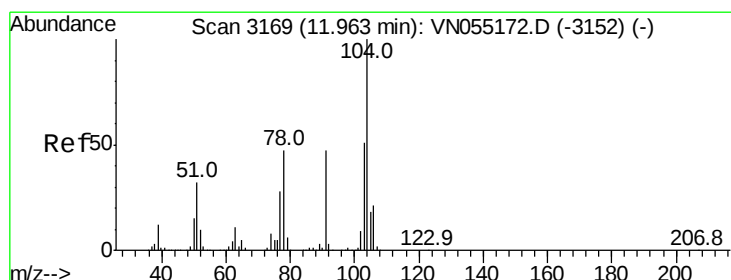
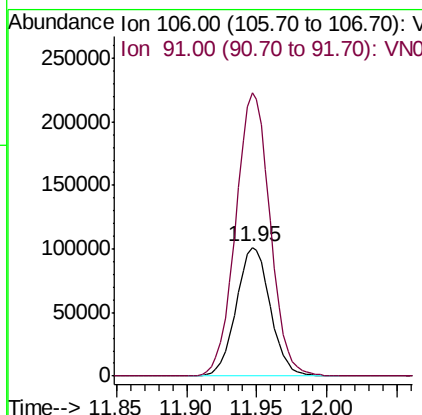
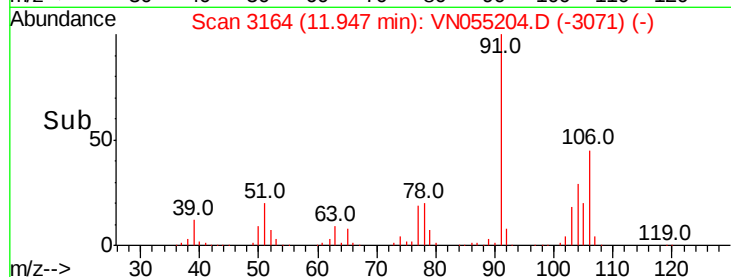
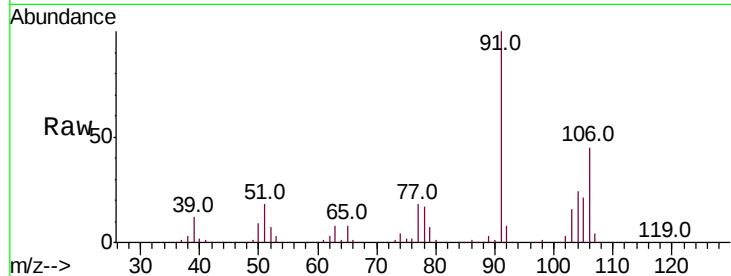
#69
o-Xylene
Concen: 20.854 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0423MBS01

Tot Ion:106 Resp: 171167
Ion Ratio Lower Upper
106 100
91 222.7 110.6 331.8

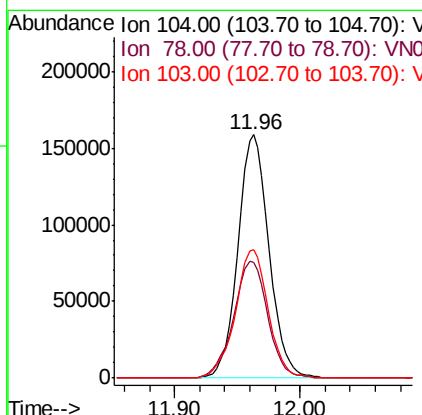
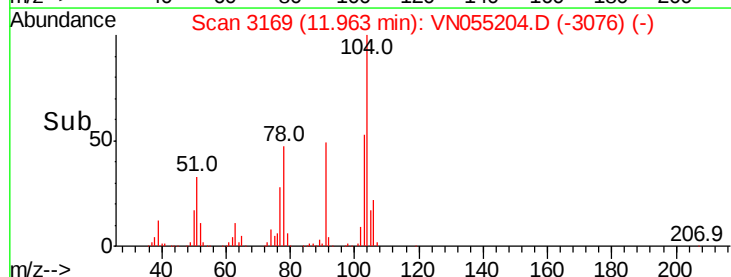
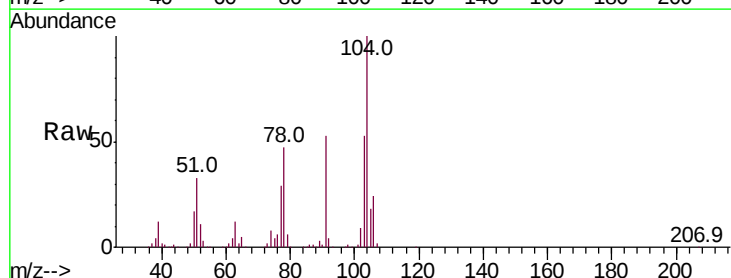
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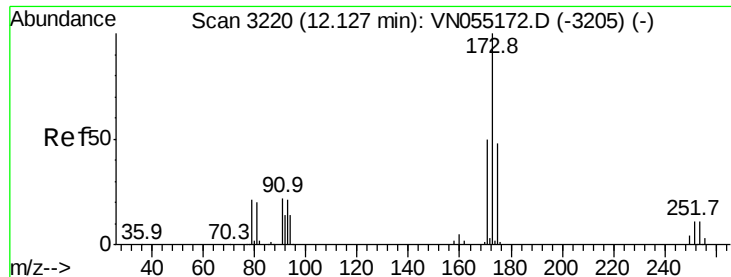
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#70
Styrene
Concen: 21.468 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion:104 Resp: 273140
Ion Ratio Lower Upper
104 100
78 52.9 41.3 61.9
103 55.9 44.2 66.4





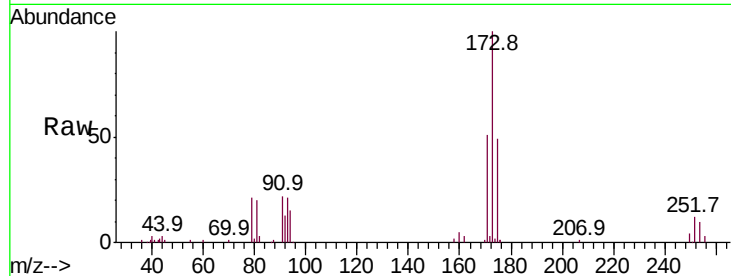
#71
Bromoform
Concen: 21.648 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

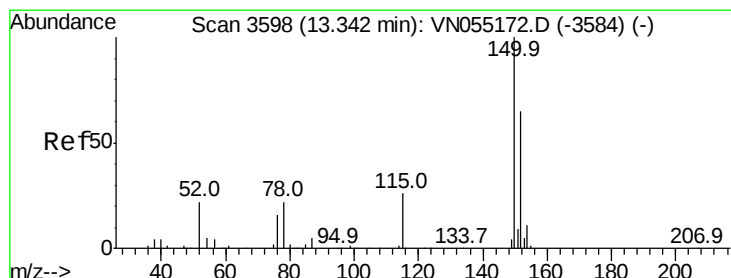
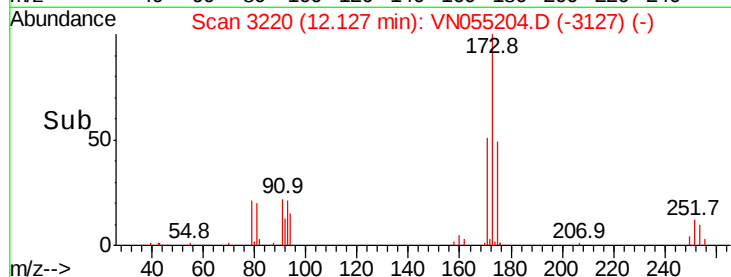
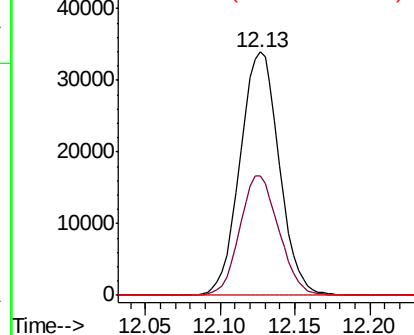
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.8	71.2
254	0.0	0.1	0.1#

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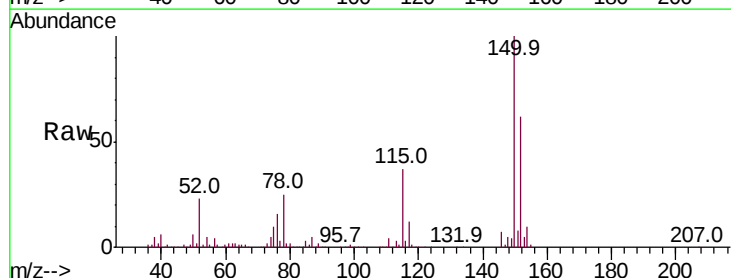


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

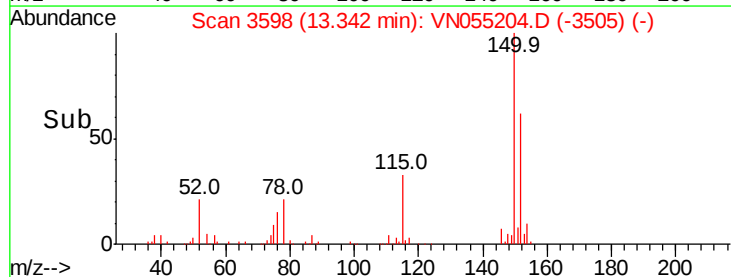
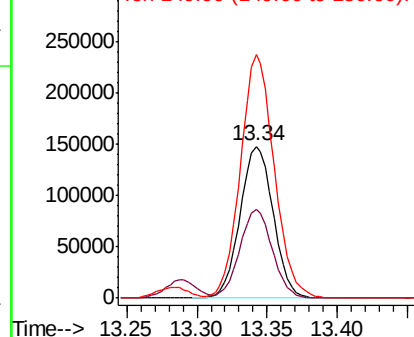


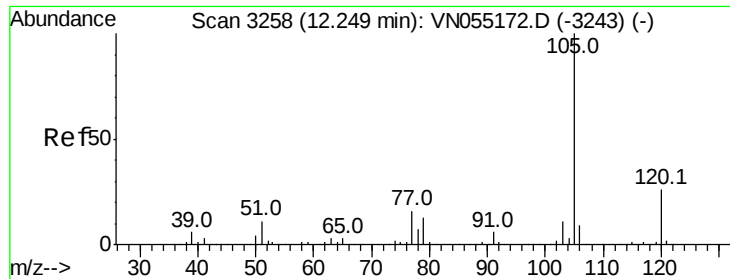
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	163.1	0.0	346.6



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





#73

Isopropylbenzene

Concen: 22.006 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

Tot Ion:105 Resp: 455700

Ion Ratio Lower Upper

105 100

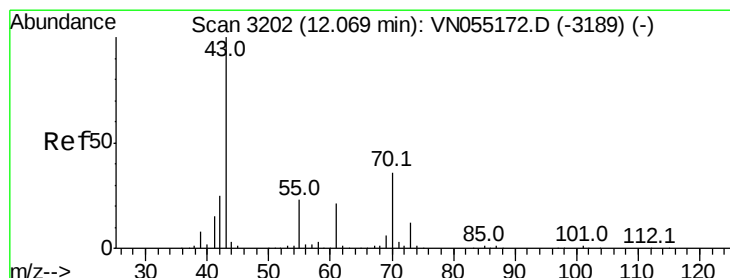
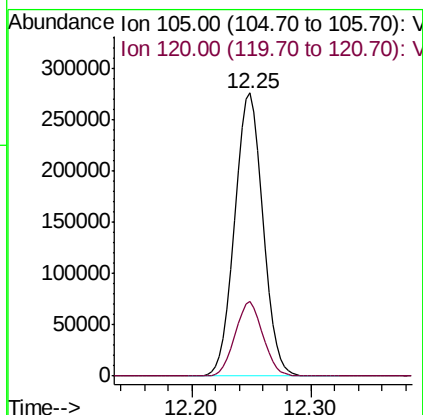
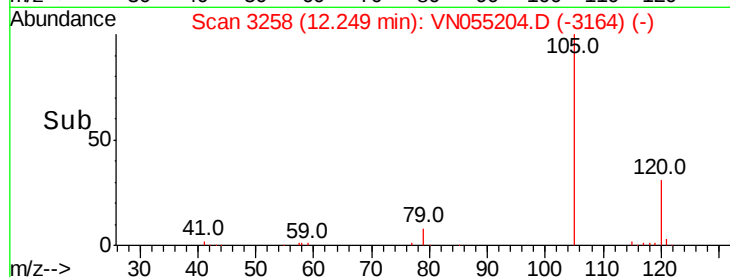
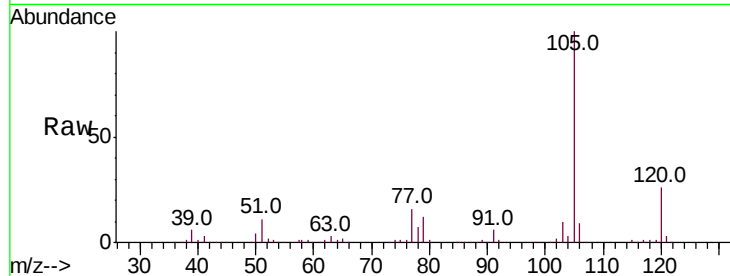
120 26.0 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 23.401 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Tgt Ion: 43 Resp: 147053

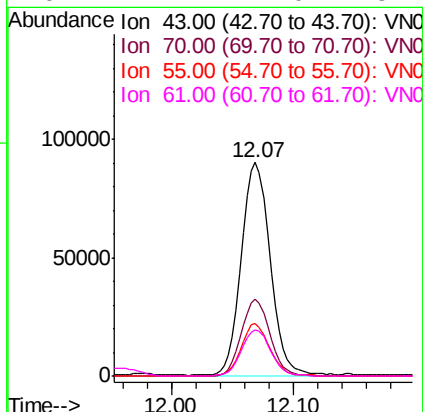
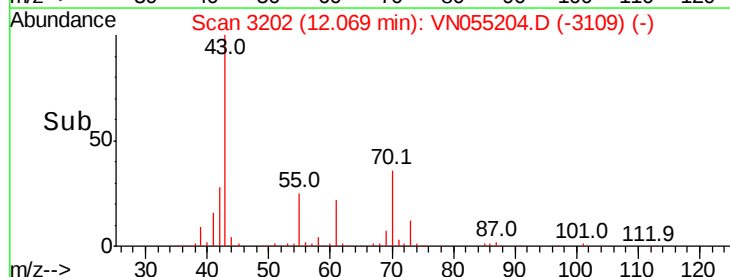
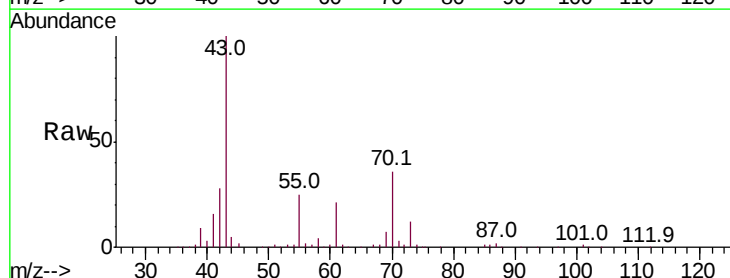
Ion Ratio Lower Upper

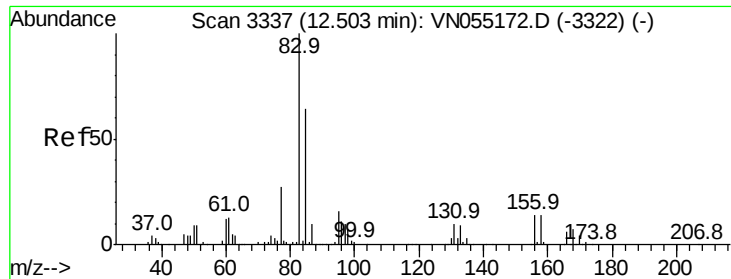
43 100

70 35.6 29.0 43.6

55 24.4 18.5 27.7

61 21.7 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 23.761 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

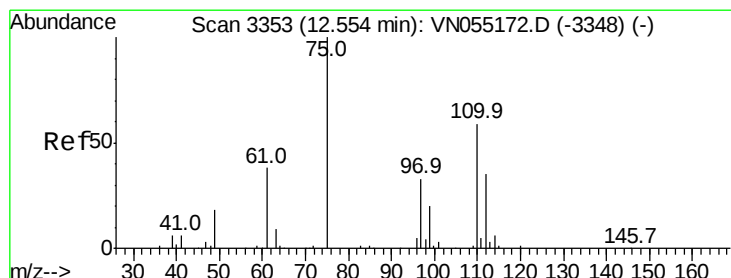
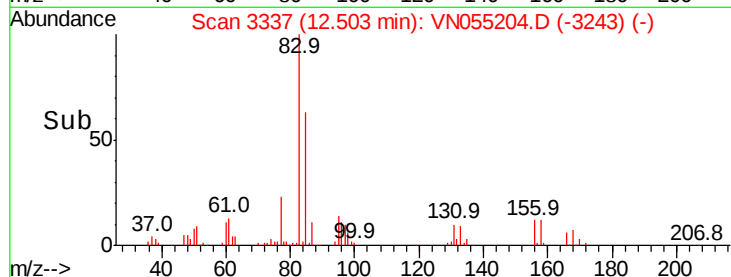
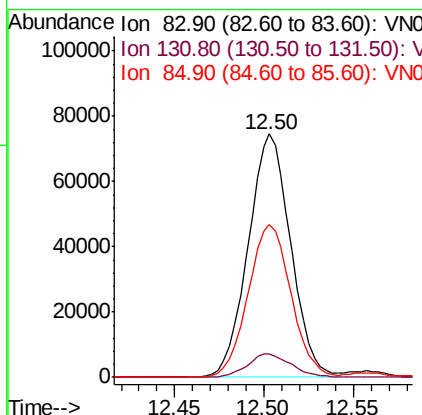
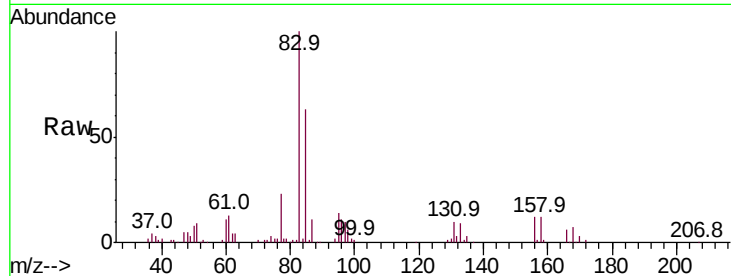
ClientSampleId :

VN0423MBS01

Tot Ion:	83	Resp:	124129
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	63.5	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.327 ug/l m

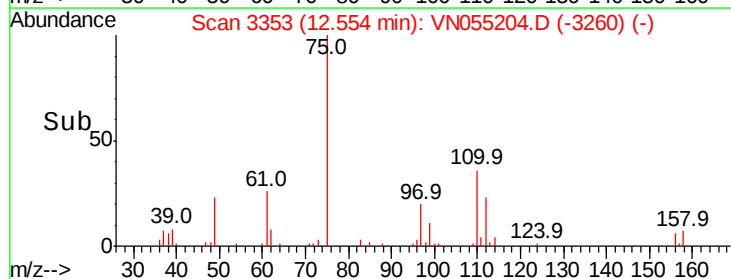
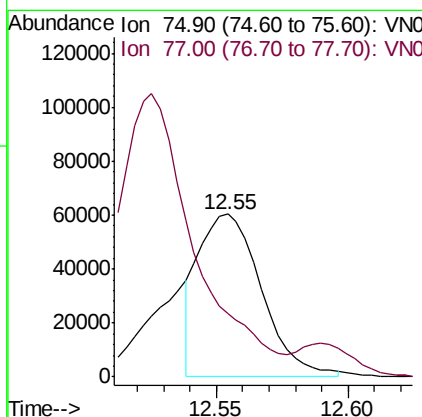
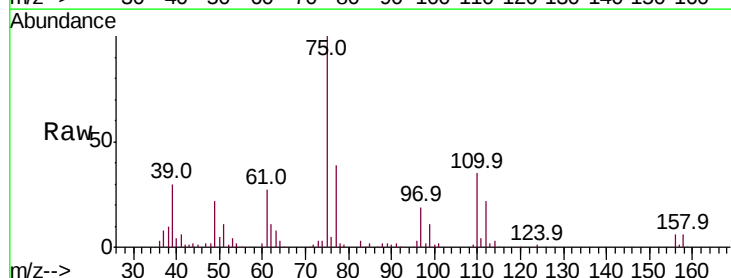
RT: 12.55 min Scan# 3353

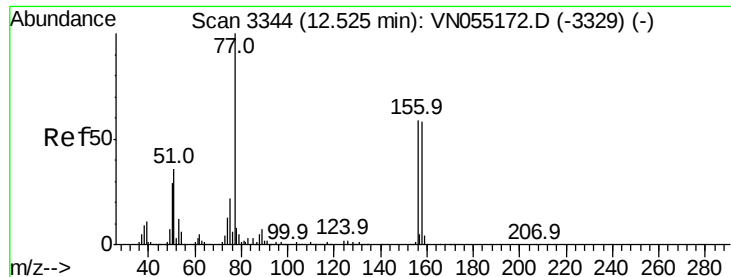
Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Tgt Ion:	75	Resp:	100513
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.355 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

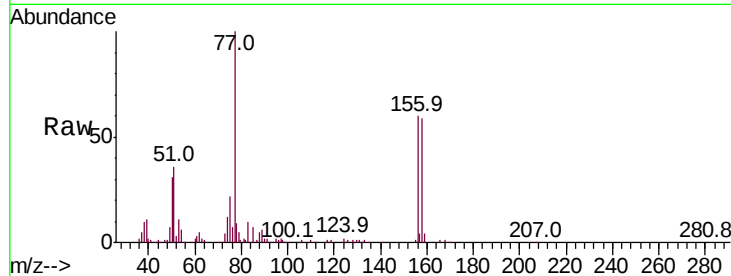
ClientSampleId :

VN0423MBS01

Tot Ion:	156	Resp:	109529
Ion Ratio	Lower	Upper	
156	100		
77	198.2	98.0	293.9
158	98.3	48.9	146.8

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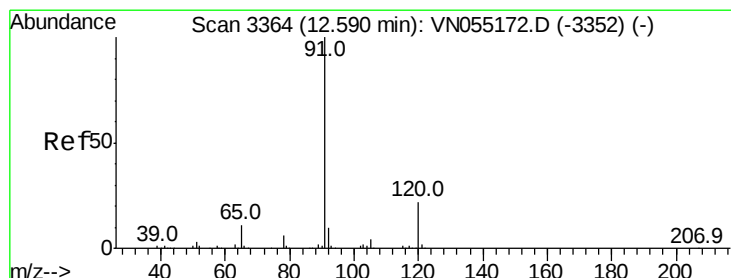
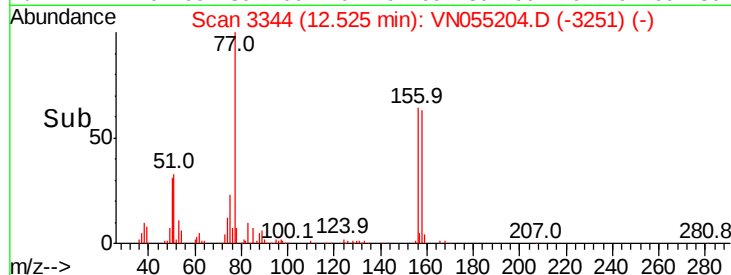
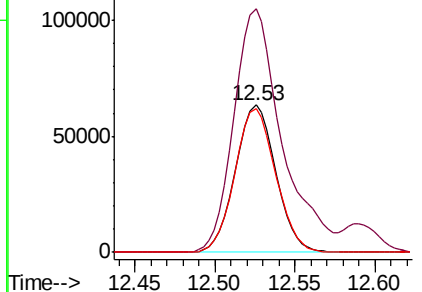
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.342 ug/l

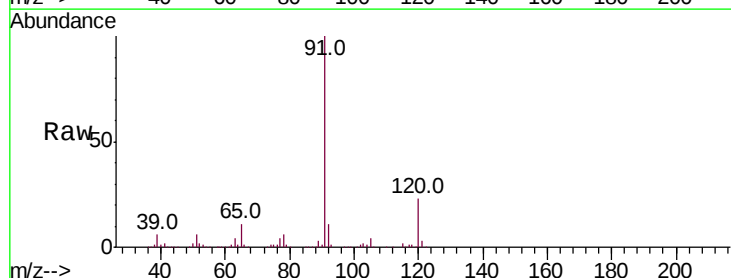
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055204.D

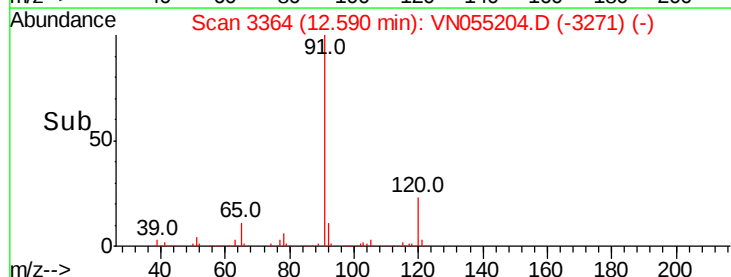
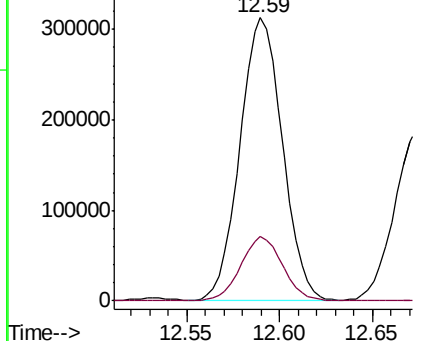
Acq: 23 Apr 2019 14:21

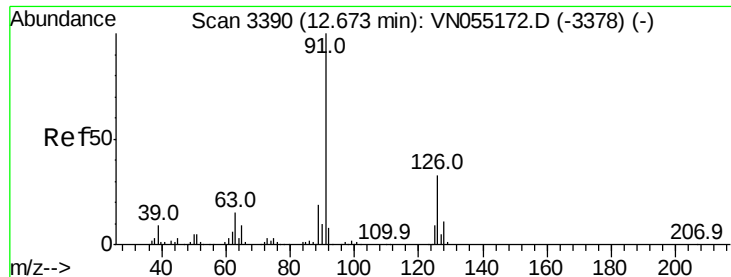
Tgt Ion:	91	Resp:	497237
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.872 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

Tot Ion: 91 Resp: 306716

Ion Ratio Lower Upper

91 100

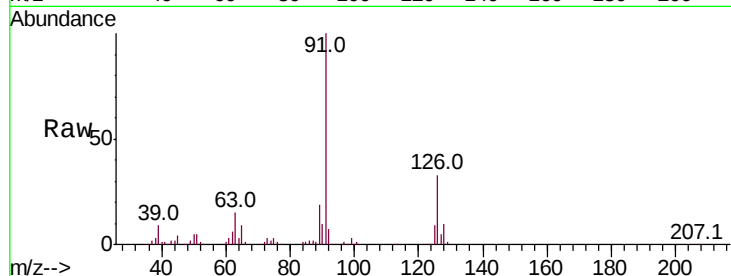
126 32.7 16.8 50.3

Manual Integrations

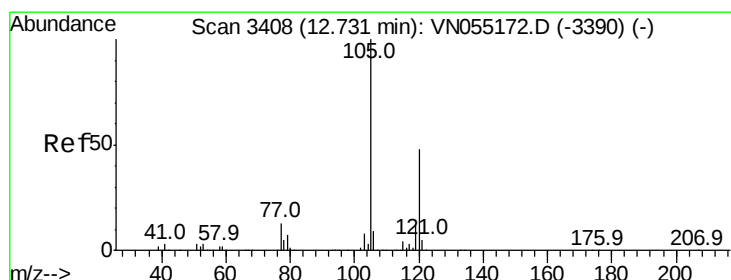
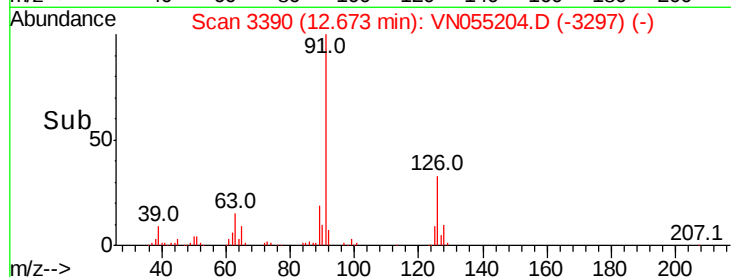
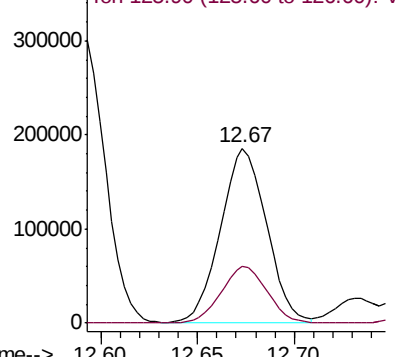
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Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.397 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055204.D

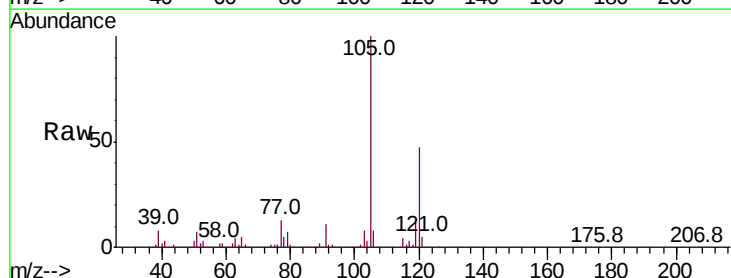
Acq: 23 Apr 2019 14:21

Tgt Ion: 105 Resp: 372166

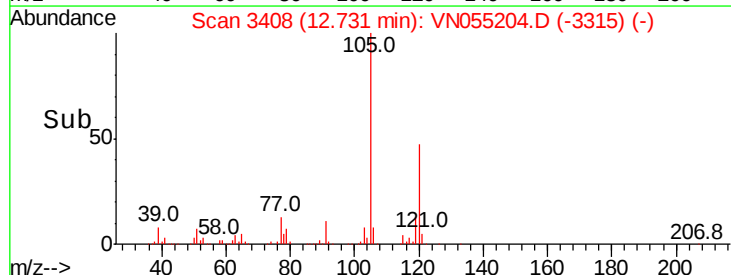
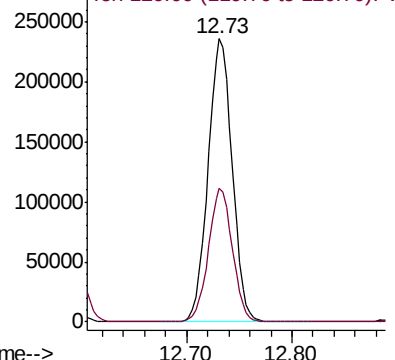
Ion Ratio Lower Upper

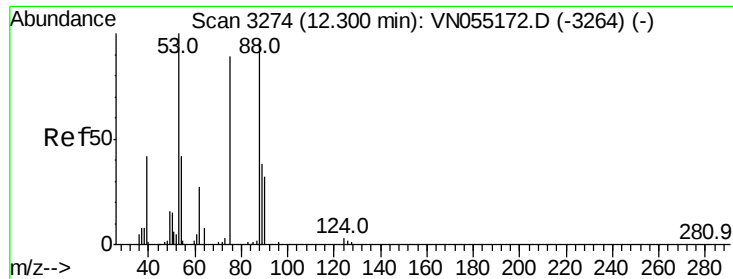
105 100

120 46.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN055172.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.329 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

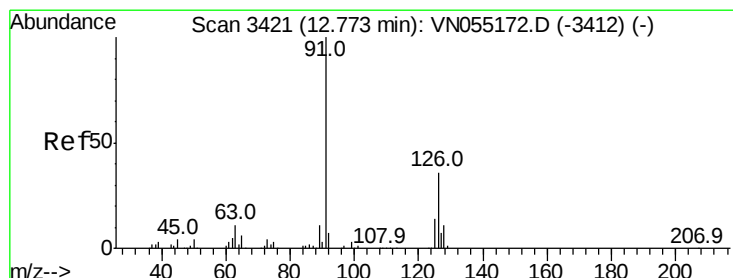
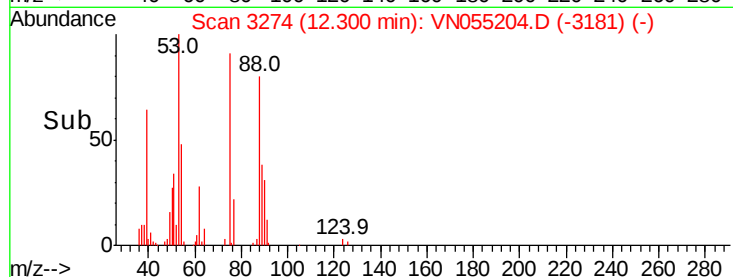
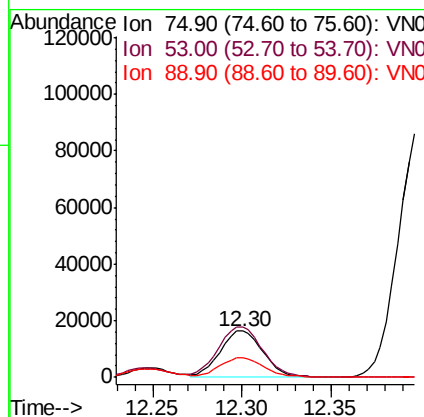
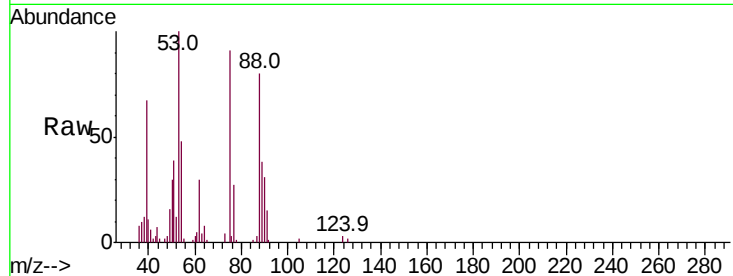
ClientSampleId :

VN0423MBS01

Tot Ion:	75	Resp:	27821
Ion	Ratio	Lower	Upper
75	100		
53	112.4	90.1	135.1
89	43.4	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.154 ug/l

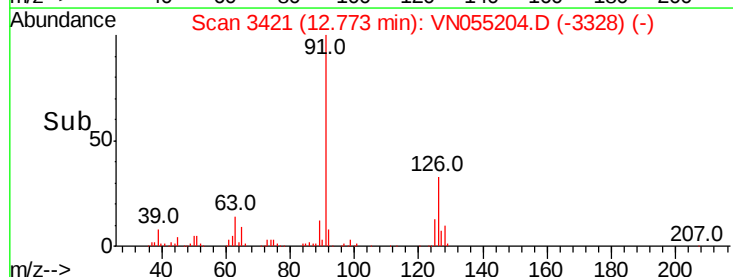
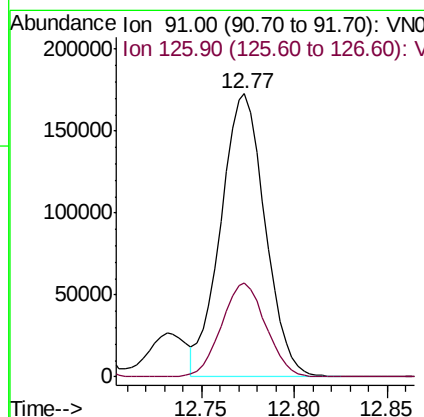
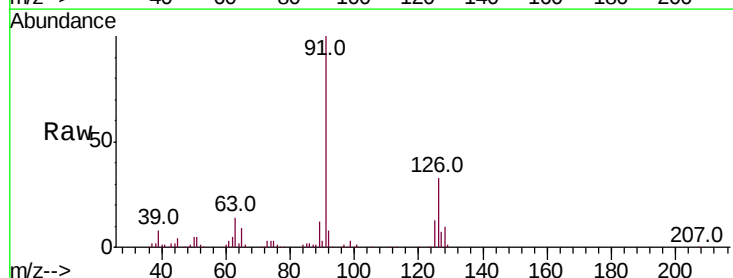
RT: 12.77 min Scan# 3421

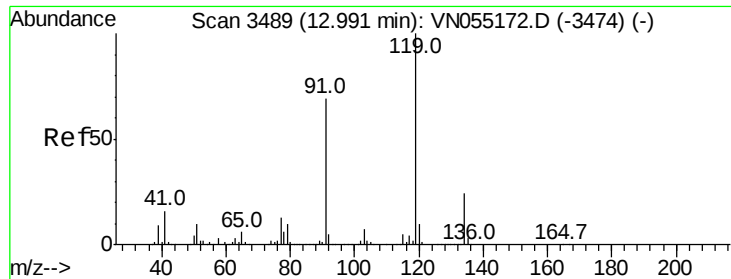
Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Tgt Ion:	91	Resp:	286211
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.5	49.5





#83

tert-Butylbenzene

Concen: 21.760 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

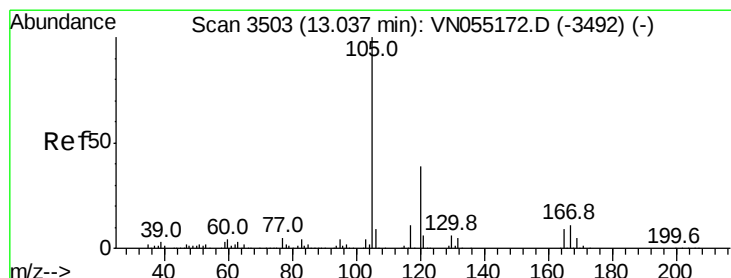
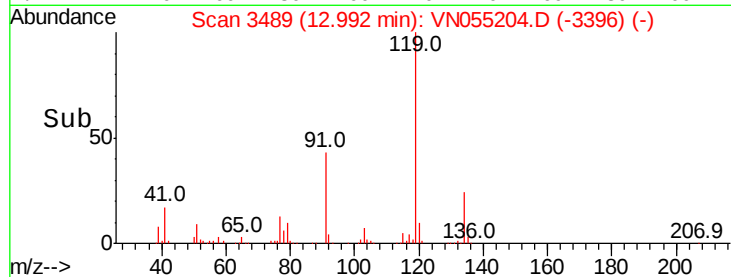
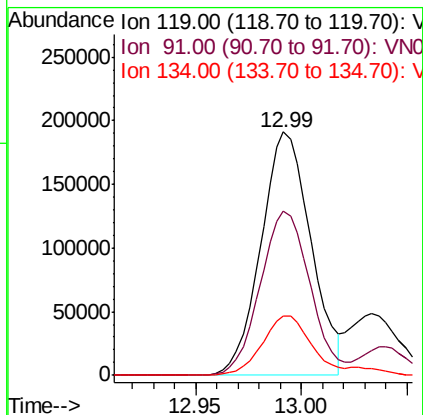
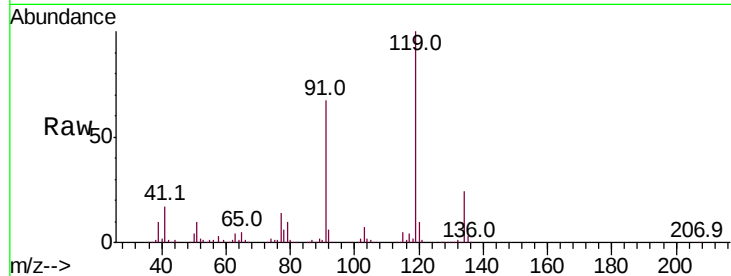
ClientSampled :

VN0423MBS01

Tot Ion:119	Resp:	315362
Ion Ratio	Lower	Upper
119 100		
91 67.2	33.8	101.3
134 23.8	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.320 ug/l

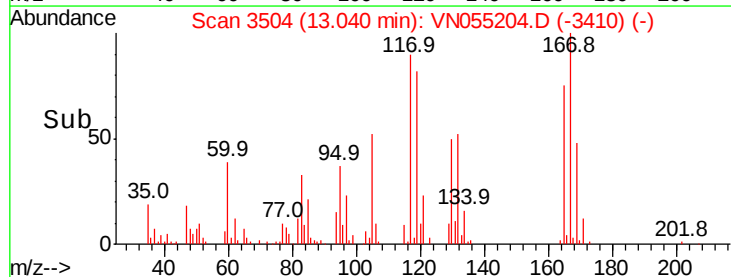
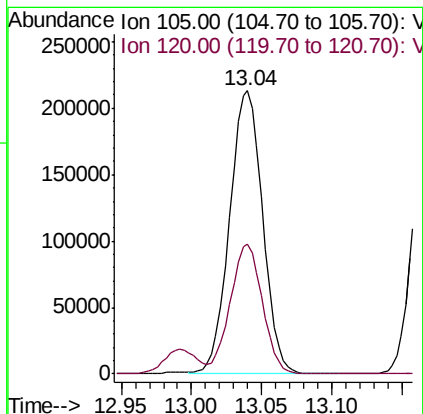
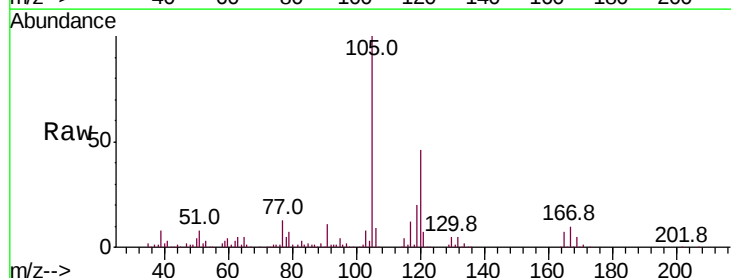
RT: 13.04 min Scan# 3504

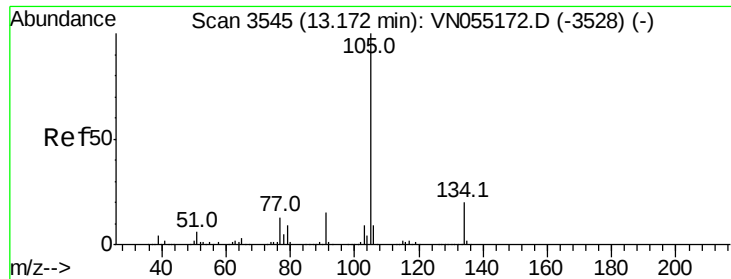
Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Tgt Ion:105	Resp:	349885
Ion Ratio	Lower	Upper
105 100		
120 44.7	22.7	68.1





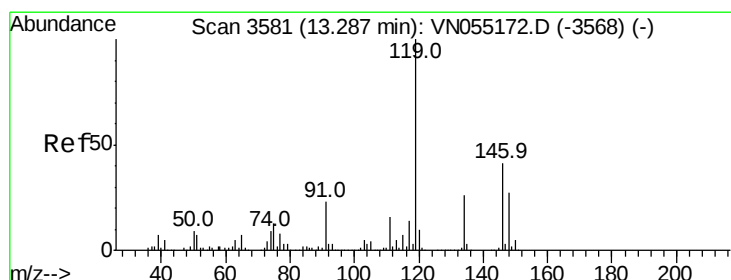
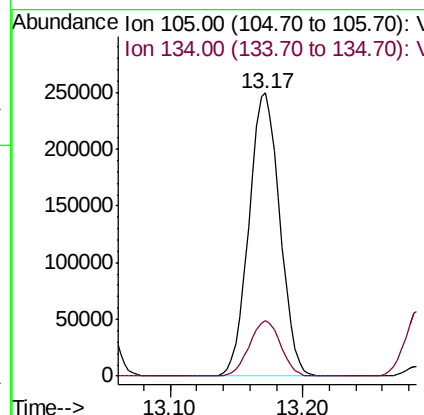
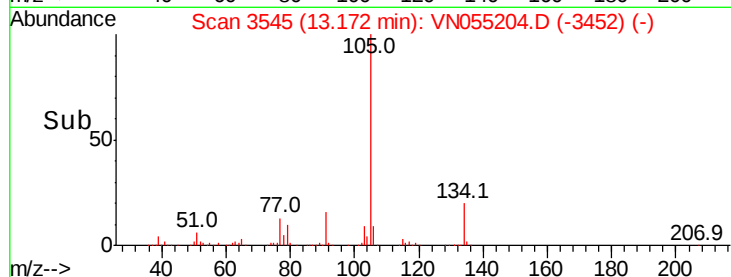
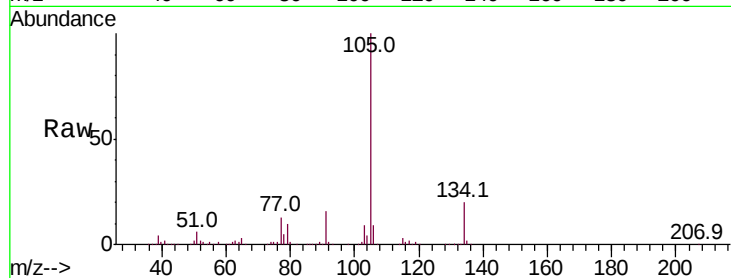
#85
 sec-Butylbenzene
 Concen: 19.495 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.0	30.0

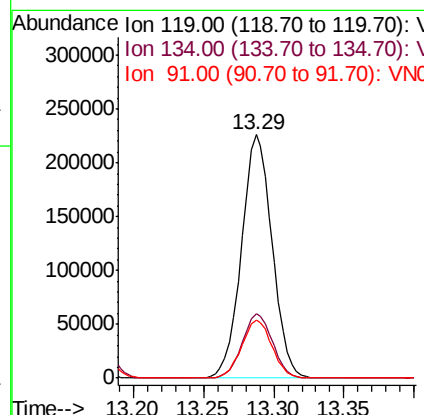
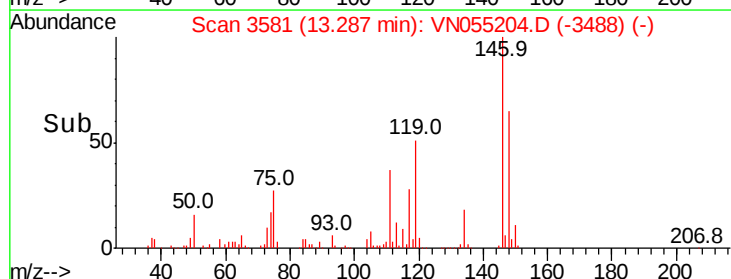
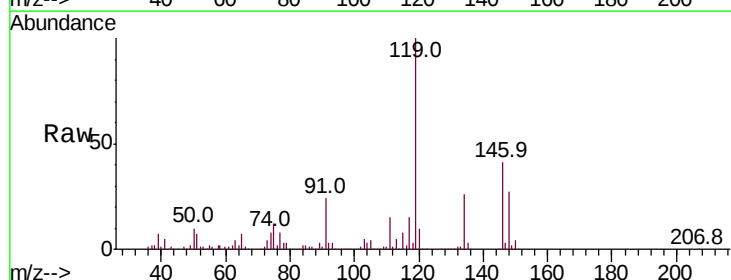
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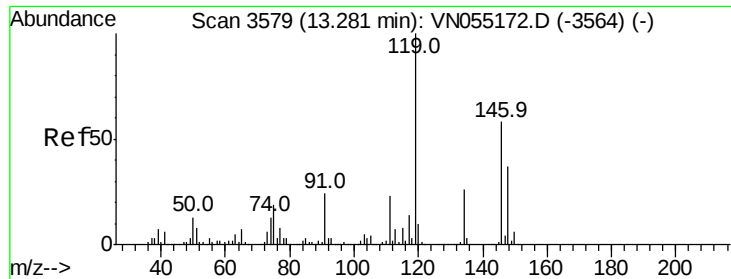
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#86
 p-Isopropyltoluene
 Concen: 20.165 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.3
91	23.9	11.8	35.3





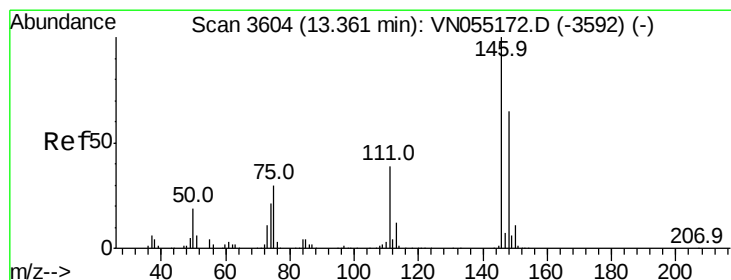
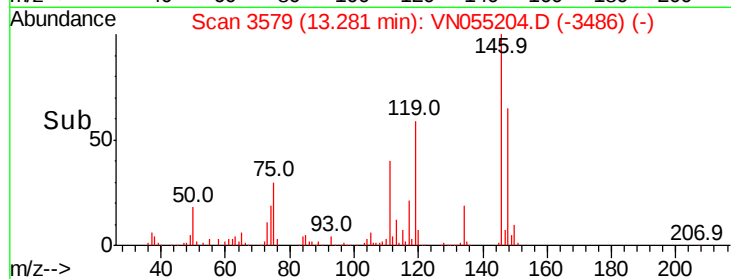
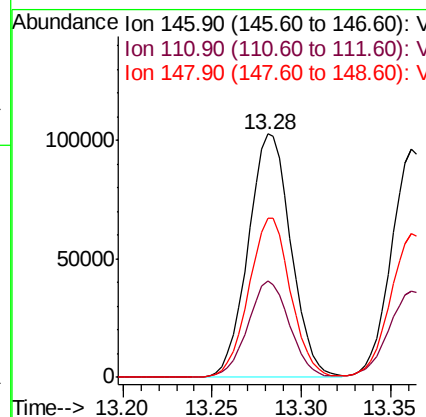
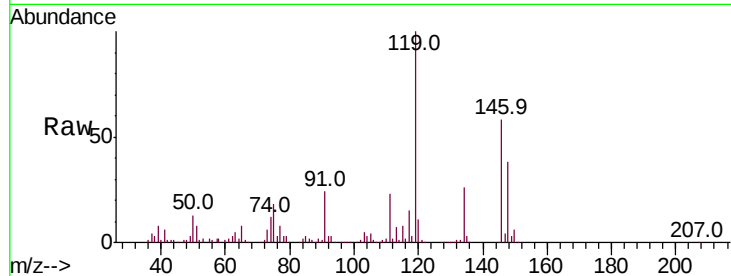
#87
 1,3-Dichlorobenzene
 Concen: 20.808 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0423MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	64.0	32.0	96.0

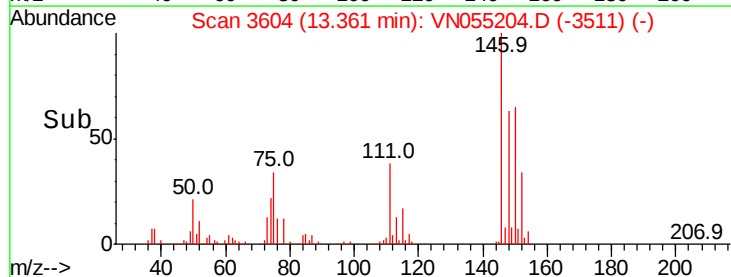
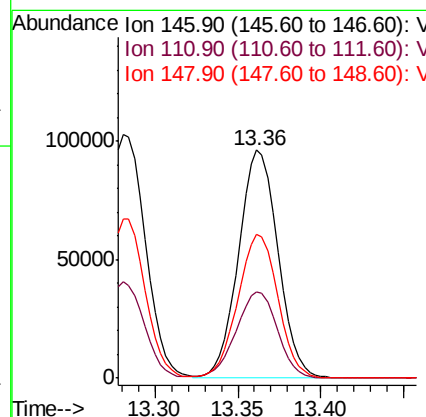
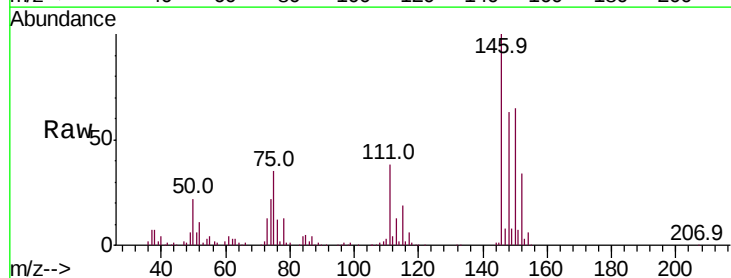
Manual Integrations
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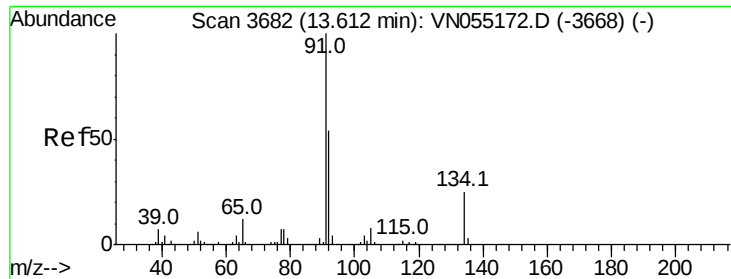
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#88
 1,4-Dichlorobenzene
 Concen: 19.783 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.4	58.2
148	64.0	32.9	98.6





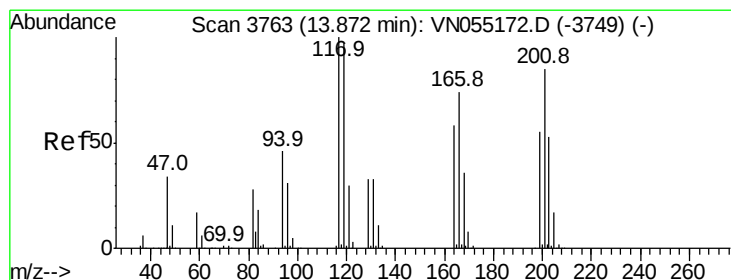
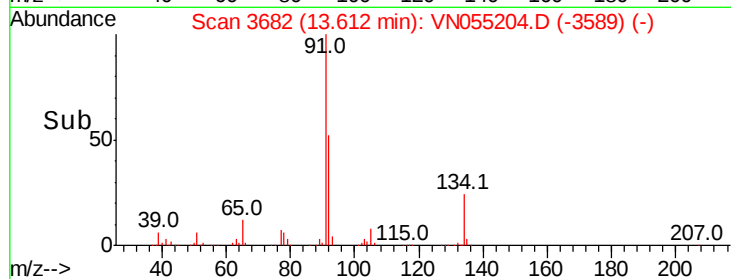
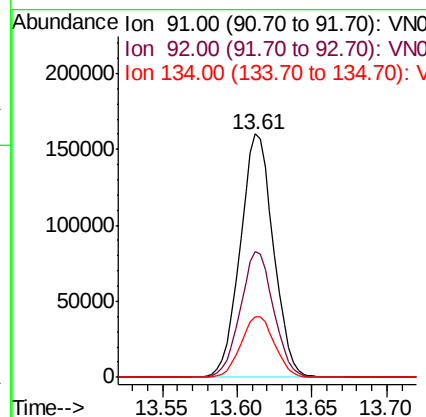
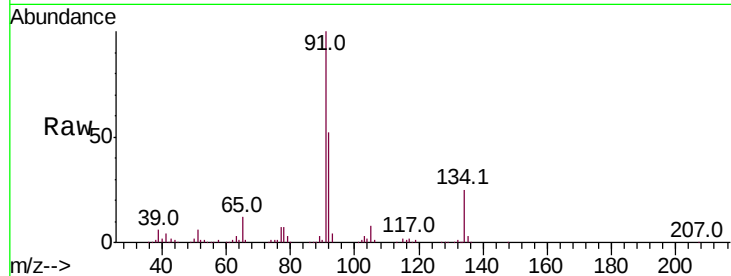
#89
n-Butylbenzene
Concen: 19.585 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.4	79.2
134	25.6	12.8	38.4

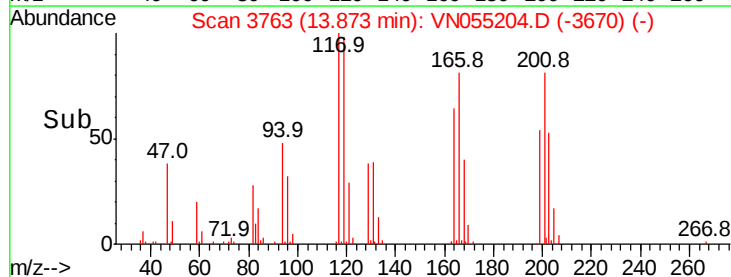
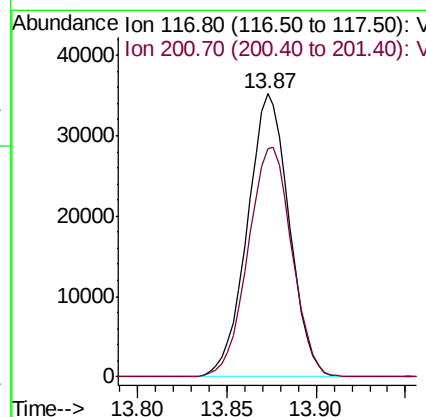
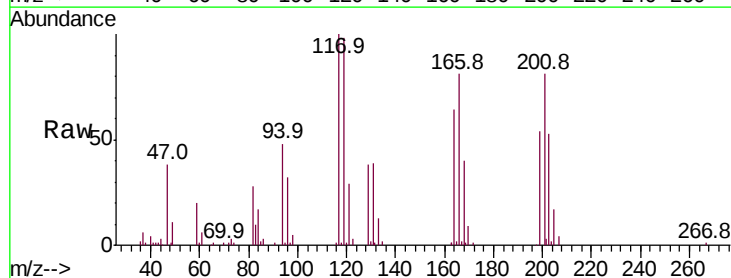
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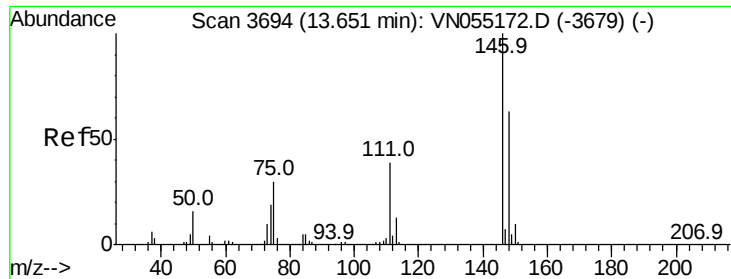
MMDadoda
4/24/2019 12:44:38 PM



#90
Hexachloroethane
Concen: 19.118 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	43.1	129.4





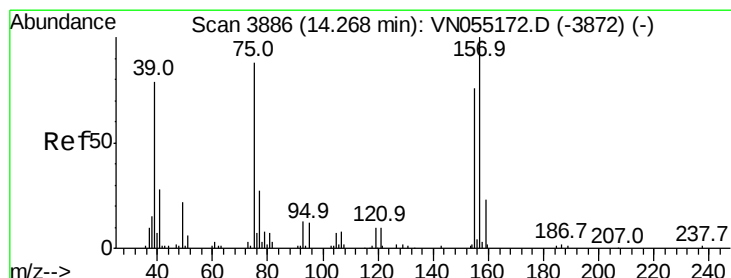
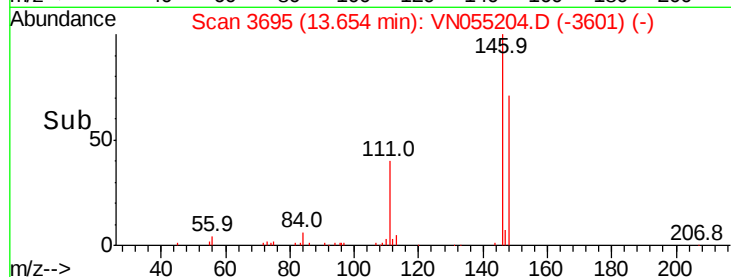
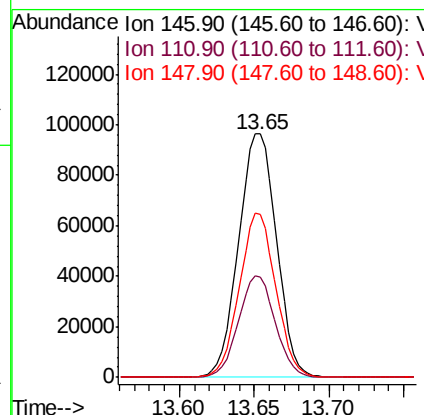
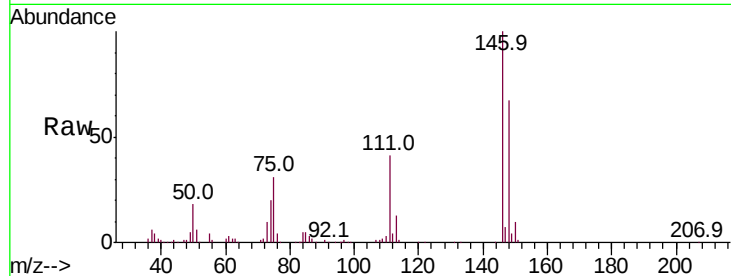
#91
 1,2-Dichlorobenzene
 Concen: 20.091 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.8	59.3
148	64.7	31.7	95.1

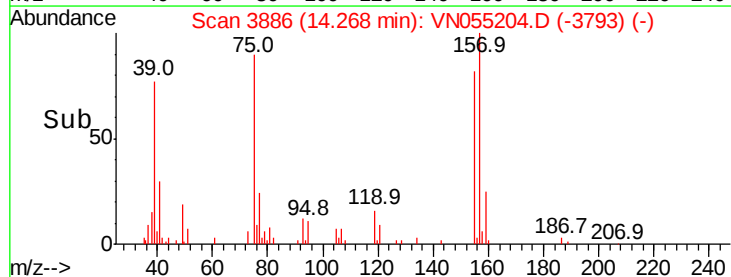
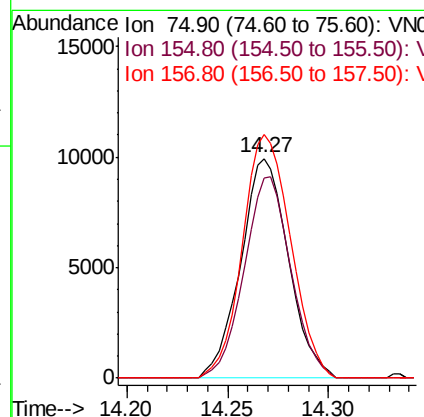
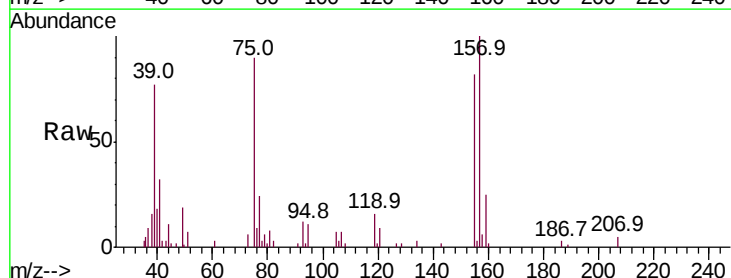
Manual Integrations
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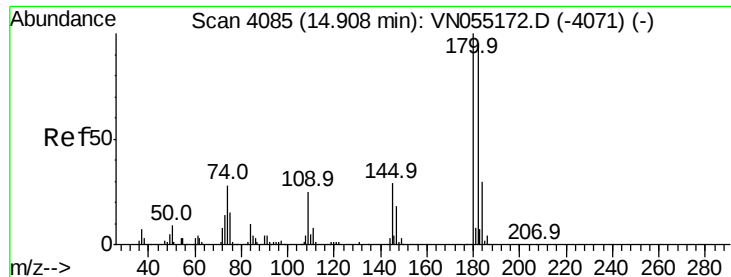
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.265 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	43.0	129.0
157	112.2	55.7	167.1





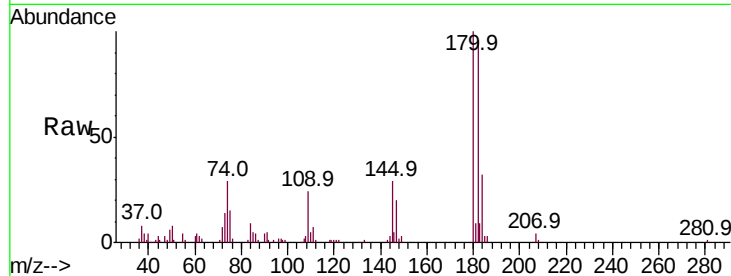
#93
 1,2,4-Trichlorobenzene
 Concen: 18.076 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	47.8	143.4	
145	29.3	14.5	43.5	

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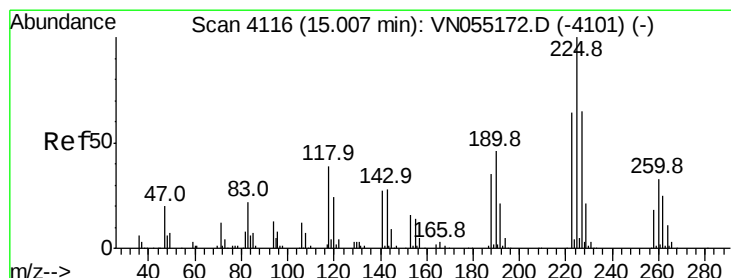
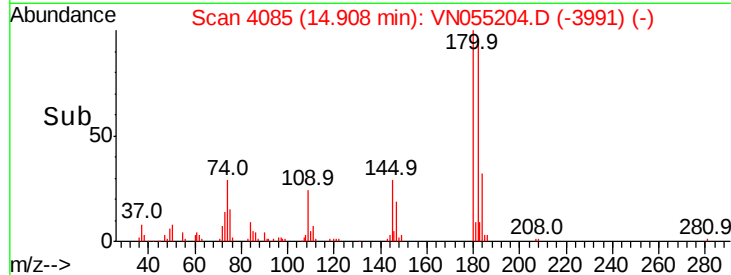
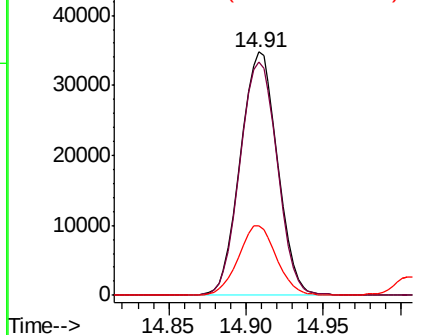


Abundance

Ion 179.80 (179.50 to 180.50): V

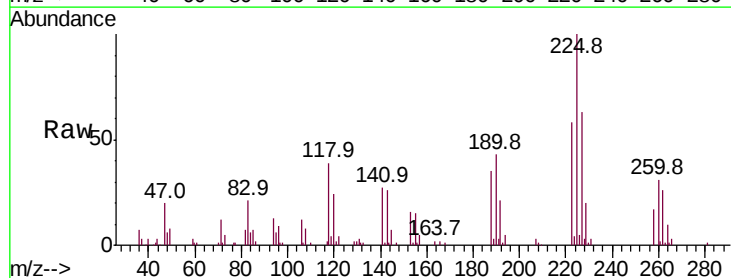
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.478 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.0	32.2	96.6	
227	63.3	32.6	98.0	

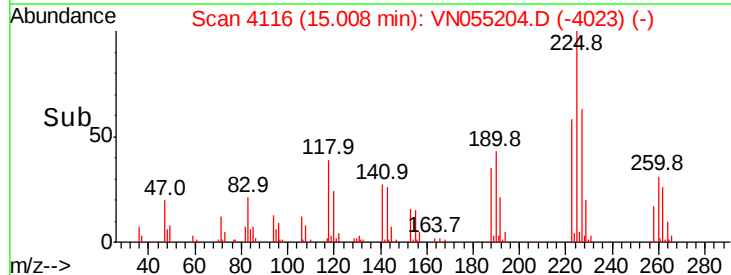
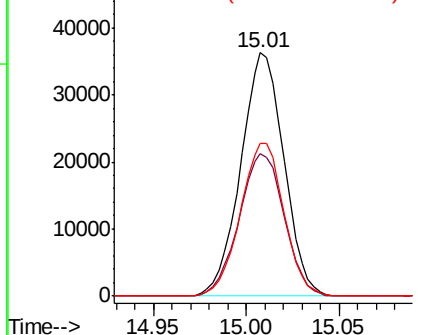


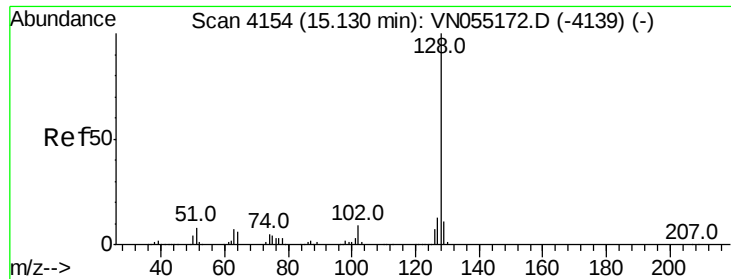
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





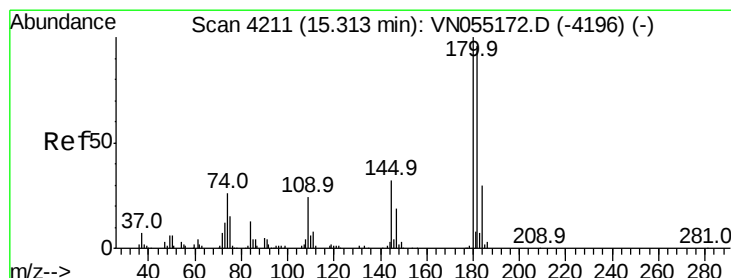
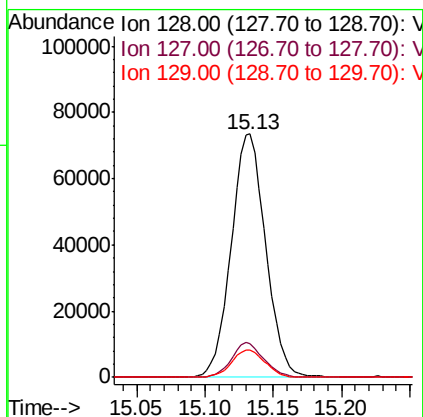
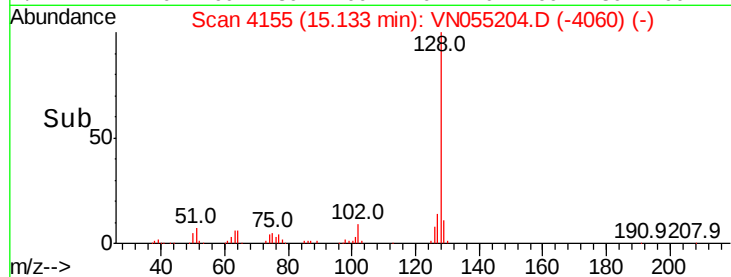
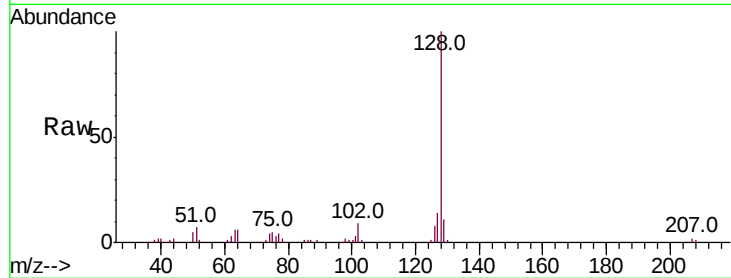
#95
Naphthalene
Concen: 18.696 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	10.8	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 18.676 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.3	47.2	141.6
145	31.5	15.4	46.1

