

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100520\
 Data File : VN063867.D
 Acq On : 5 Oct 2020 13:45
 Operator : JC/MD
 Sample : VN1005WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Quant Time: Oct 06 01:38:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	269897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	445371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	415323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	193353	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	232241	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	7.55	113	161290	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
50) Toluene-d8	10.06	98	593433	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.38	95	219313	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	50869	17.862	ug/l 99
3) Chloromethane	2.04	50	61111	18.288	ug/l 97
4) Vinyl Chloride	2.17	62	59406	17.711	ug/l 99
5) Bromomethane	2.53	94	40288	19.095	ug/l 98
6) Chloroethane	2.68	64	38972	19.444	ug/l 97
7) Trichlorofluoromethane	2.99	101	100275	18.849	ug/l 97
8) Diethyl Ether	3.38	74	34047	18.924	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53225	18.719	ug/l 97
10) Methyl Iodide	3.91	142	64273	19.468	ug/l 98
11) Tert butyl alcohol	4.73	59	47896	97.295	ug/l 97
12) 1,1-Dichloroethene	3.70	96	51084	18.796	ug/l 99
13) Acrolein	3.57	56	30903	102.283	ug/l 100
14) Allyl chloride	4.28	41	98255	19.460	ug/l 96
15) Acrylonitrile	4.93	53	136294	96.724	ug/l 98
16) Acetone	3.77	43	131685	95.939	ug/l 98
17) Carbon Disulfide	4.01	76	129716	18.112	ug/l 97
18) Methyl Acetate	4.28	43	73648	20.666	ug/l 98
19) Methyl tert-butyl Ether	4.99	73	186270	18.865	ug/l 98
20) Methylene Chloride	4.50	84	63956	20.401	ug/l 96
21) trans-1,2-Dichloroethene	4.99	96	56229	18.471	ug/l 99
22) Diisopropyl ether	5.90	45	204515	19.687	ug/l 95
23) Vinyl Acetate	5.85	43	840640	97.689	ug/l 99
24) 1,1-Dichloroethane	5.80	63	112538	18.946	ug/l 98
25) 2-Butanone	6.78	43	193100	99.230	ug/l 100
26) 2,2-Dichloropropane	6.78	77	103190	18.971	ug/l 96
27) cis-1,2-Dichloroethene	6.78	96	65417	18.685	ug/l 97
28) Bromochloromethane	7.15	49	61993	21.117	ug/l 100
29) Tetrahydrofuran	7.16	42	129263	99.040	ug/l 99
30) Chloroform	7.33	83	120144	19.399	ug/l 92
31) Cyclohexane	7.62	56	96903	18.720	ug/l # 95
32) 1,1,1-Trichloroethane	7.53	97	108880	19.491	ug/l 99
36) 1,1-Dichloropropene	7.76	75	83831	18.579	ug/l 99
37) Ethyl Acetate	6.88	43	82776	18.465	ug/l 98
38) Carbon Tetrachloride	7.73	117	95970	18.968	ug/l 93

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	77420	17.206	ug/l	98
40) Benzene	8.00	78	243773	18.915	ug/l	98
41) Methacrylonitrile	7.13	41	35620	17.879	ug/l #	82
42) 1,2-Dichloroethane	8.09	62	107485	19.538	ug/l	99
43) Isopropyl Acetate	8.13	43	143130	19.357	ug/l #	91
44) Trichloroethene	8.80	130	63781	18.889	ug/l	95
45) 1,2-Dichloropropane	9.08	63	67968	19.528	ug/l	99
46) Dibromomethane	9.17	93	45973	19.147	ug/l	99
47) Bromodichloromethane	9.37	83	102196	20.652	ug/l	97
48) Methyl methacrylate	9.17	41	73527	20.127	ug/l	95
49) 1,4-Dioxane	9.17	88	19113	368.127	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	437668	100.863	ug/l	100
52) Toluene	10.13	92	151911	19.057	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	99976	18.848	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	106652	19.225	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	62122	19.433	ug/l	97
56) Ethyl methacrylate	10.40	69	87422	19.293	ug/l	97
57) 1,3-Dichloropropane	10.68	76	104734	19.365	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	236371	97.518	ug/l	98
59) 2-Hexanone	10.72	43	312777	97.032	ug/l	99
60) Dibromochloromethane	10.87	129	71598	19.232	ug/l	97
61) 1,2-Dibromoethane	10.98	107	63894	19.539	ug/l	99
64) Tetrachloroethene	10.60	164	60713	18.895	ug/l	96
65) Chlorobenzene	11.41	112	163563	19.199	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	65653	20.101	ug/l	98
67) Ethyl Benzene	11.48	91	289512	18.675	ug/l	97
68) m/p-Xylenes	11.59	106	212146	36.718	ug/l	97
69) o-Xylene	11.92	106	103247	19.119	ug/l	100
70) Styrene	11.94	104	174494	19.035	ug/l	99
71) Bromoform	12.10	173	46384	18.569	ug/l #	98
73) Isopropylbenzene	12.22	105	271157	19.227	ug/l	100
74) N-amyl acetate	12.04	43	118641	19.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	87336	20.251	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	120808	28.344	ug/l #	100
77) Bromobenzene	12.50	156	69424	20.062	ug/l	99
78) n-propylbenzene	12.57	91	305224	18.596	ug/l	99
79) 2-Chlorotoluene	12.65	91	193785	19.197	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	227582	19.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	28247	19.087	ug/l	94
82) 4-Chlorotoluene	12.75	91	203355	19.406	ug/l	100
83) tert-Butylbenzene	12.97	119	183703	18.981	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	231481	19.596	ug/l	100
85) sec-Butylbenzene	13.15	105	235214	18.504	ug/l	99
86) p-Isopropyltoluene	13.26	119	210244	18.696	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	118674	18.956	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	116353	17.850	ug/l	98
89) n-Butylbenzene	13.59	91	174692	16.831	ug/l	99
90) Hexachloroethane	13.85	117	40249	18.470	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	116413	18.774	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18370	18.163	ug/l	100

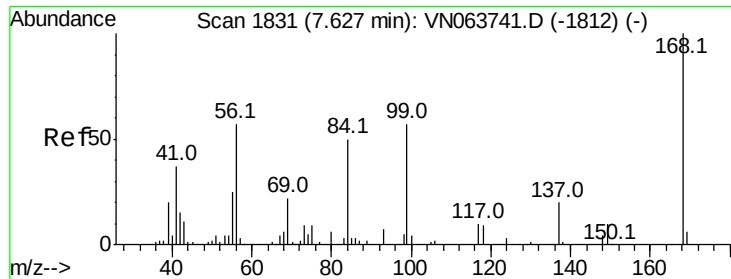
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	54221	17.258	ug/l	96
94) Hexachlorobutadiene	14.98	225	30577	18.229	ug/l	93
95) Naphthalene	15.11	128	157012	16.395	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	51966	16.960	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

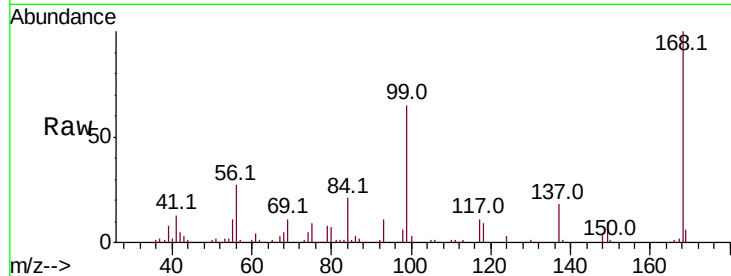
VN1005WBSD01

Tot Ion:168 Resp: 269897

Ion Ratio Lower Upper

168 100

99 64.1 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

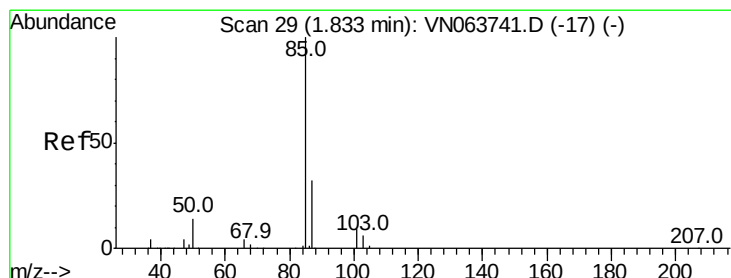
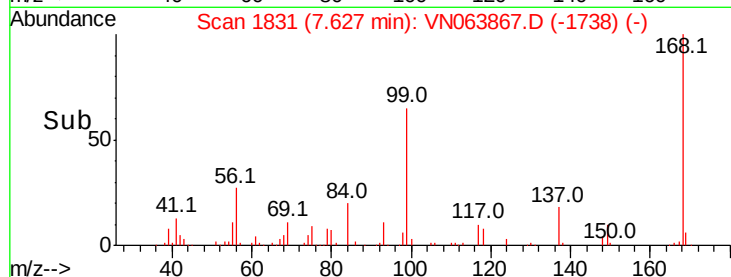
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.862 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063867.D

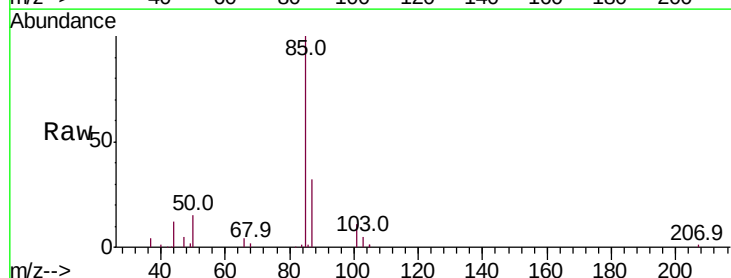
Acq: 5 Oct 2020 13:45

Tgt Ion: 85 Resp: 50869

Ion Ratio Lower Upper

85 100

87 31.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

40000

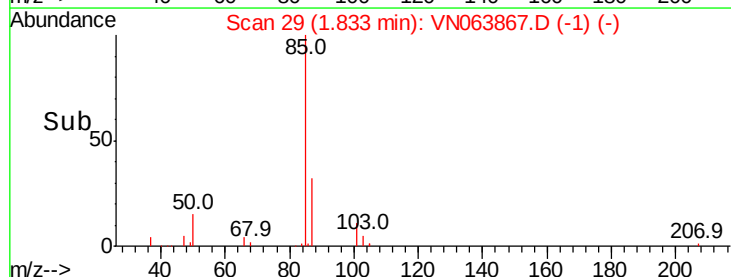
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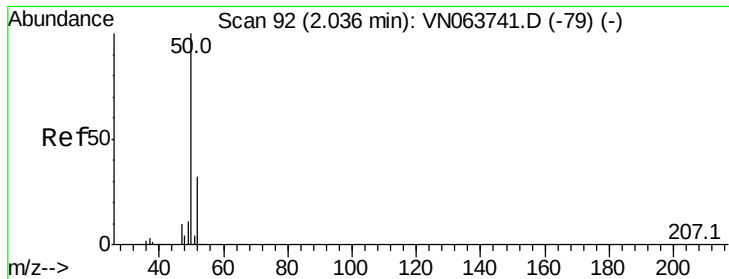
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 18.288 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

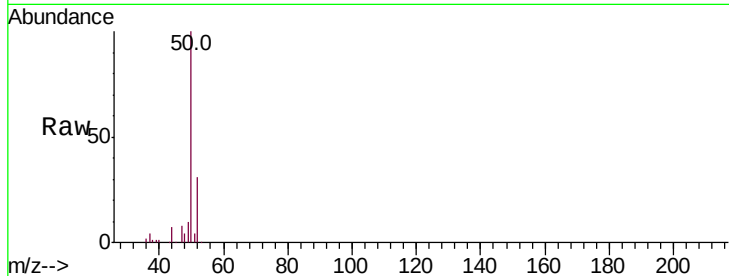
VN1005WBSD01

Tot Ion: 50 Resp: 61111

Ion Ratio Lower Upper

50 100

52 30.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

40000

30000

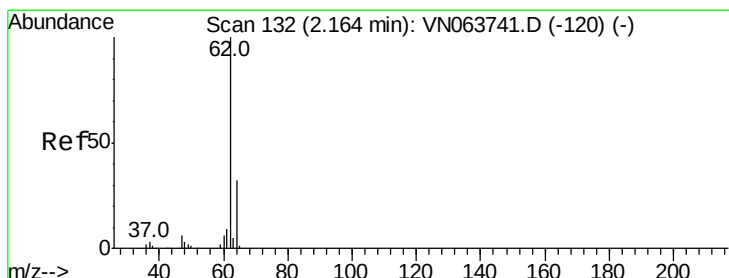
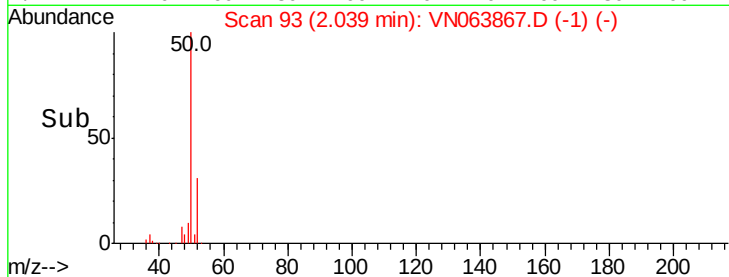
20000

10000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 17.711 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063867.D

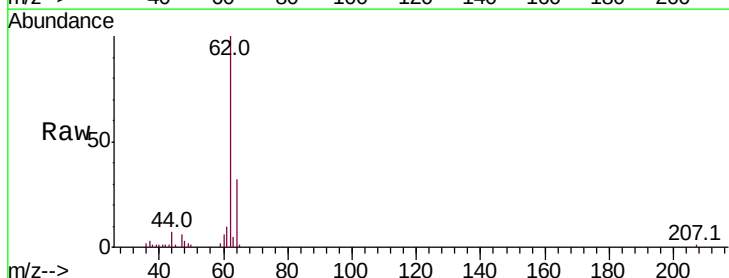
Acq: 5 Oct 2020 13:45

Tgt Ion: 62 Resp: 59406

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

40000

30000

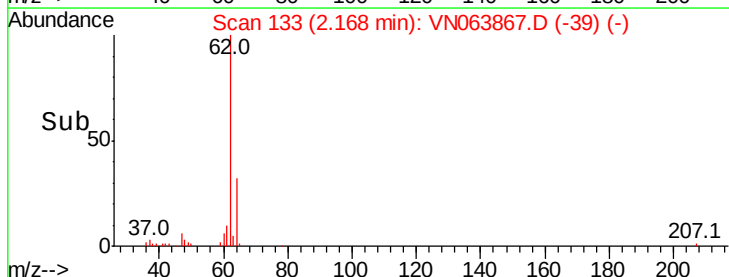
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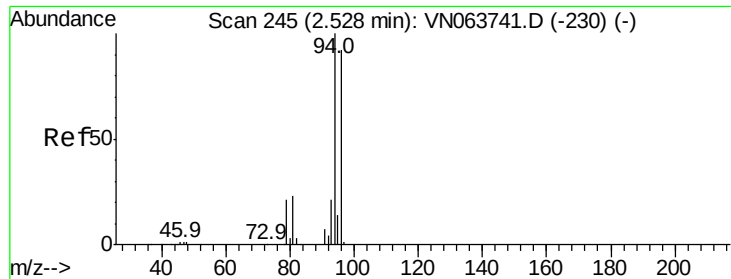
10000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 19.095 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

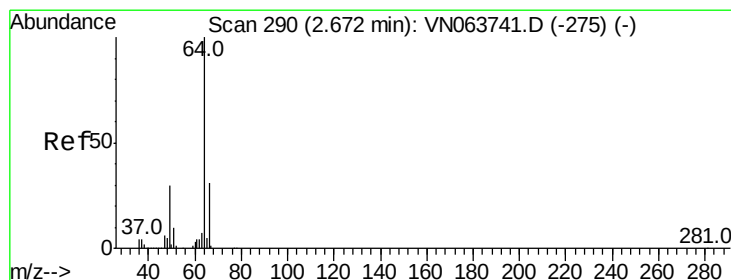
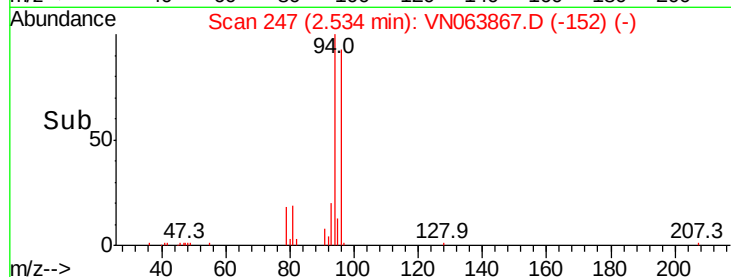
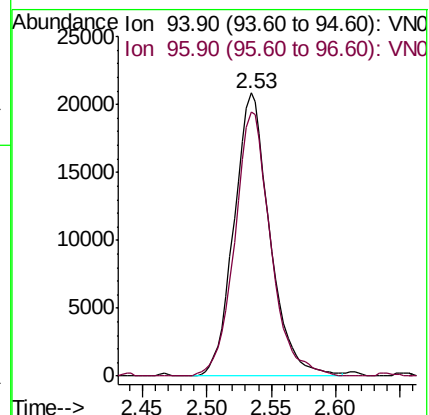
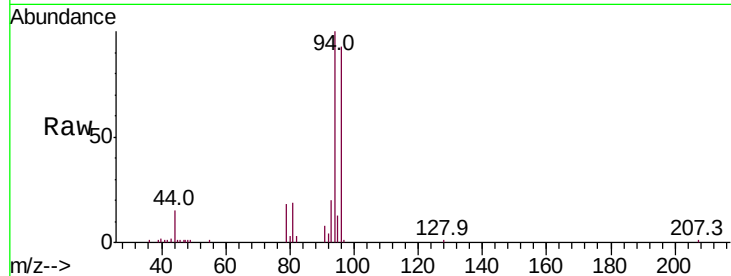
VN1005WBSD01

Tot Ion: 94 Resp: 40288

Ion Ratio Lower Upper

94 100

96 93.5 73.3 109.9



#6

Chloroethane

Concen: 19.444 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063867.D

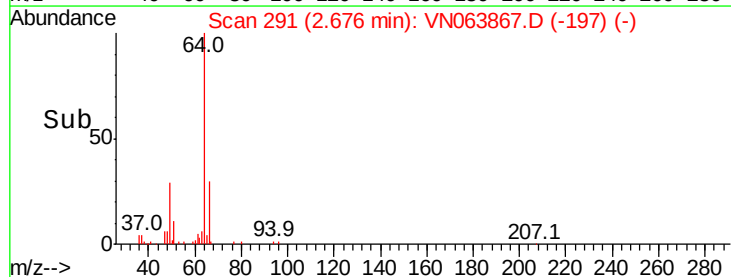
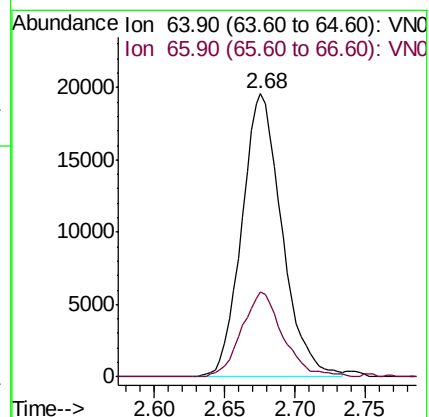
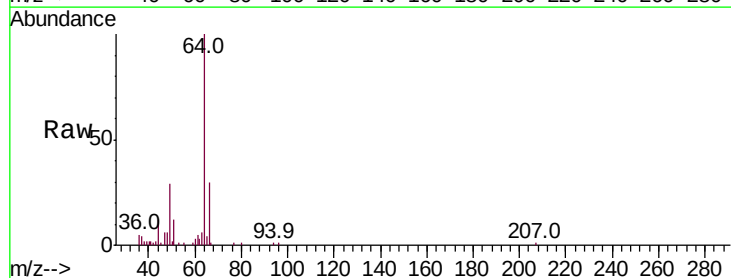
Acq: 5 Oct 2020 13:45

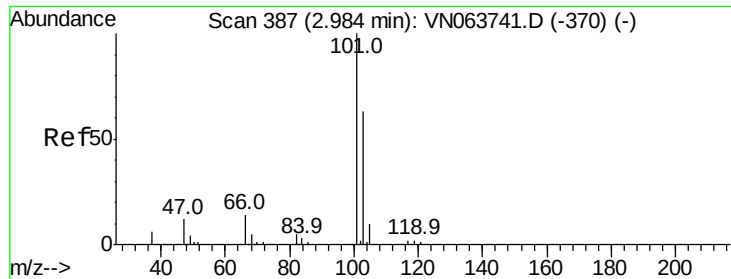
Tgt Ion: 64 Resp: 38972

Ion Ratio Lower Upper

64 100

66 29.9 25.1 37.7



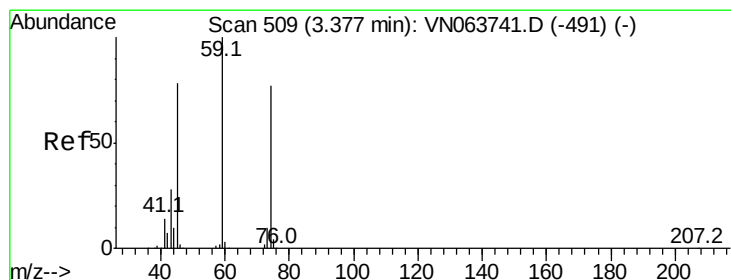
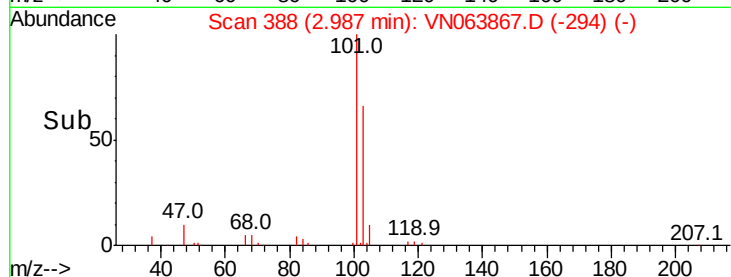
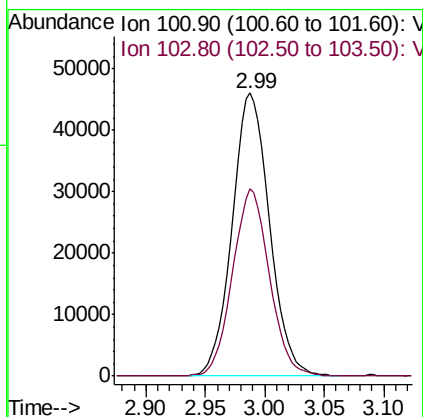
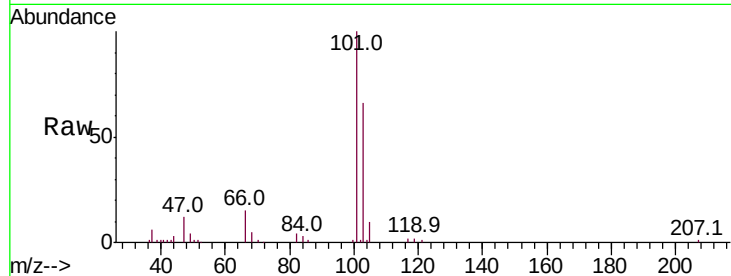


#7

Trichlorofluoromethane
 Concen: 18.849 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063867.D
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 VN1005WBSD01

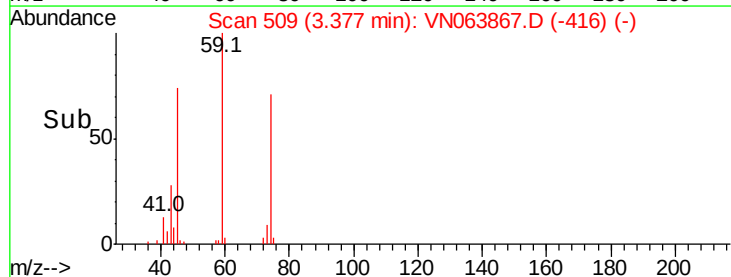
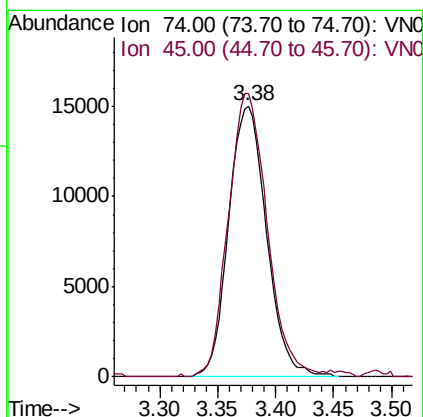
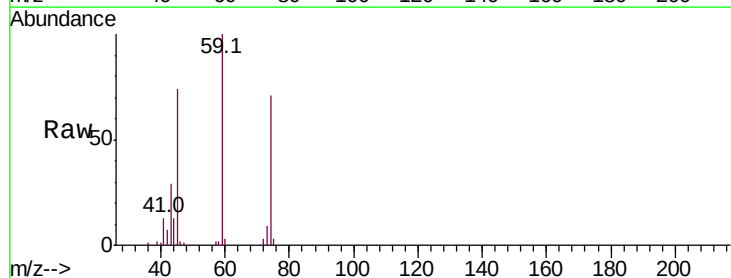
Tot Ion:101 Resp: 100275
 Ion Ratio Lower Upper
 101 100
 103 66.1 50.7 76.1

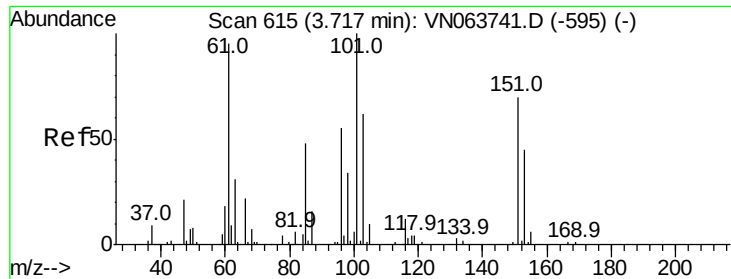


#8

Diethyl Ether
 Concen: 18.924 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

Tgt Ion: 74 Resp: 34047
 Ion Ratio Lower Upper
 74 100
 45 107.1 50.9 152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.719 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

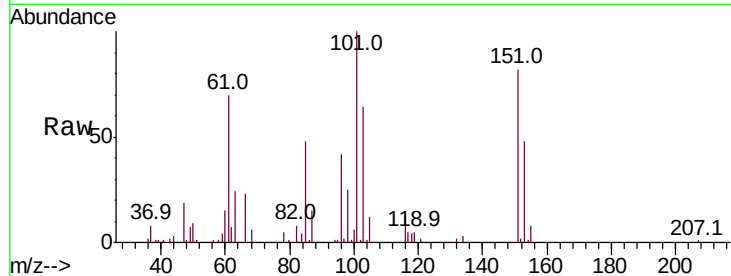
Tot Ion:101 Resp: 53225

Ion Ratio Lower Upper

101 100

85 47.8 38.6 58.0

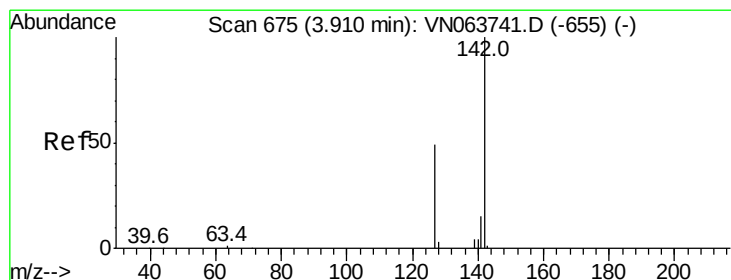
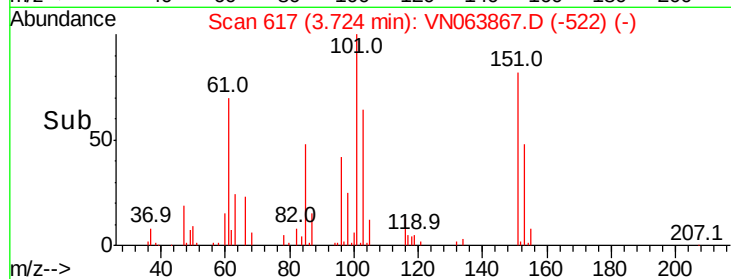
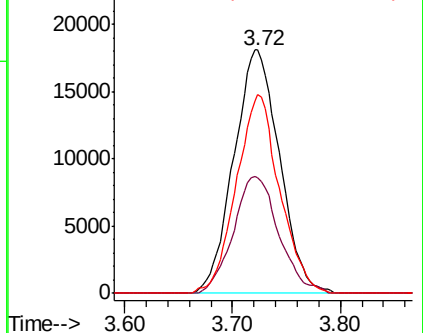
151 77.4 58.7 88.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.468 ug/l

RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

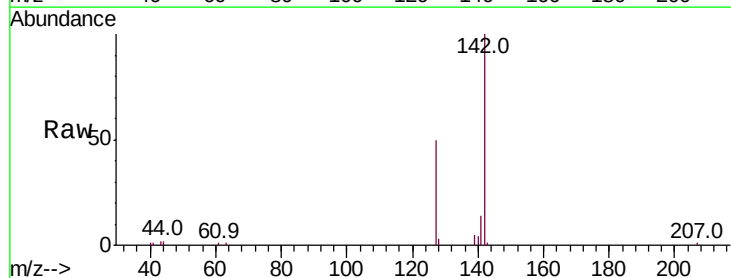
Tgt Ion:142 Resp: 64273

Ion Ratio Lower Upper

142 100

127 52.0 40.5 60.7

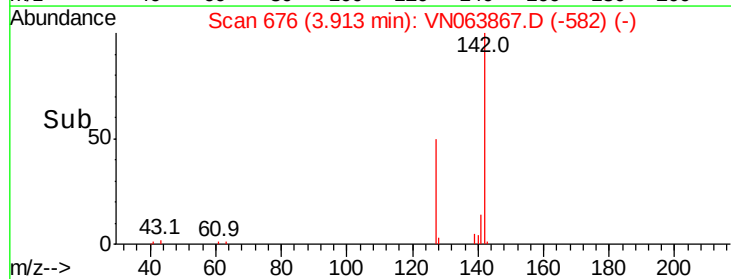
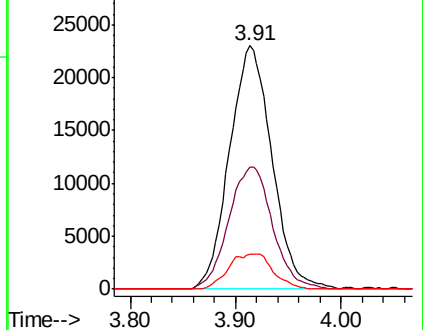
141 15.2 11.7 17.5

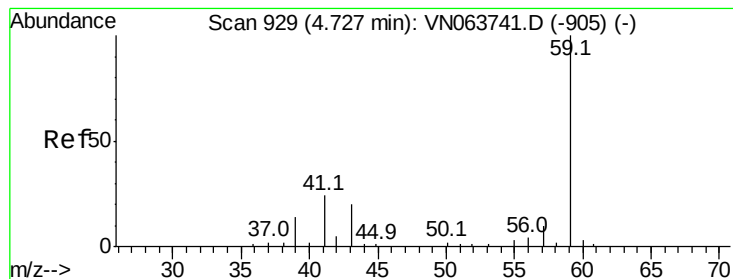


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 97.295 ug/l

RT: 4.73 min Scan# 931

Delta R.T. 0.01 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

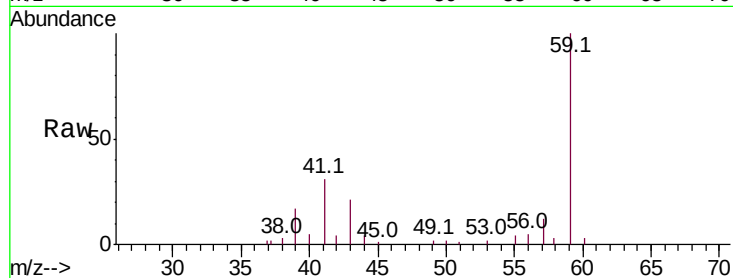
VN1005WBSD01

Tot Ion: 59 Resp: 47896

Ion Ratio Lower Upper

59 100

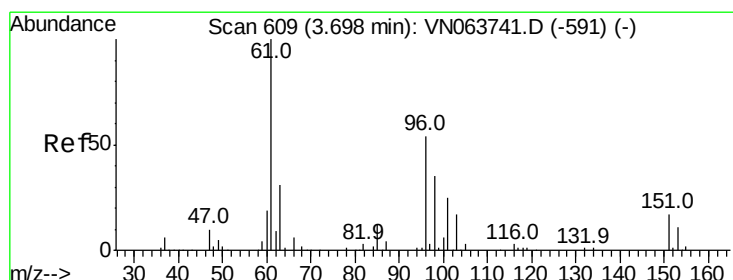
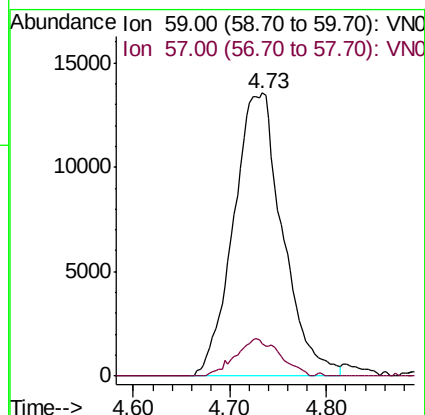
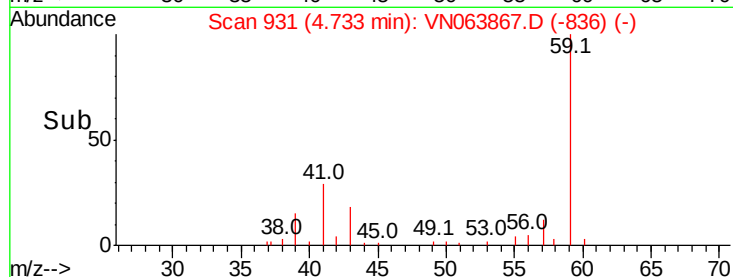
57 11.9 8.7 13.1



Abundance Ion 59.00 (58.70 to 59.70): VN063867.D (-836) (-)

Ion 57.00 (56.70 to 57.70): VN063867.D (-836) (-)

4.73



#12

1,1-Dichloroethene

Concen: 18.796 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

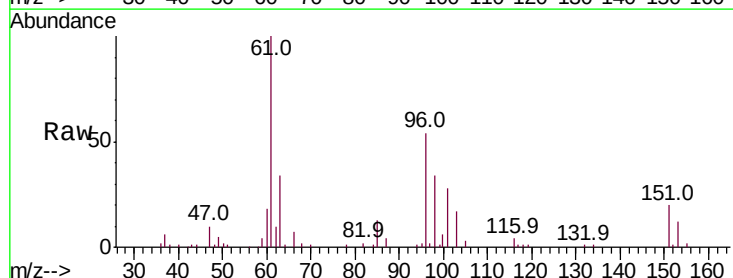
Tgt Ion: 96 Resp: 51084

Ion Ratio Lower Upper

96 100

61 184.0 147.7 221.5

98 62.6 51.9 77.9

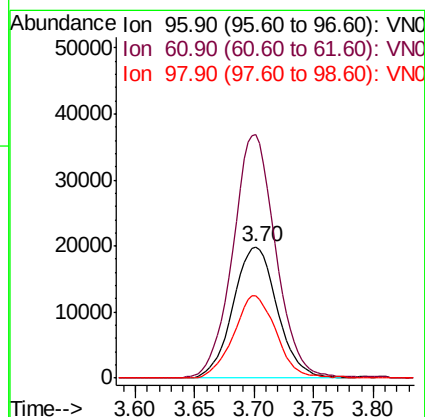
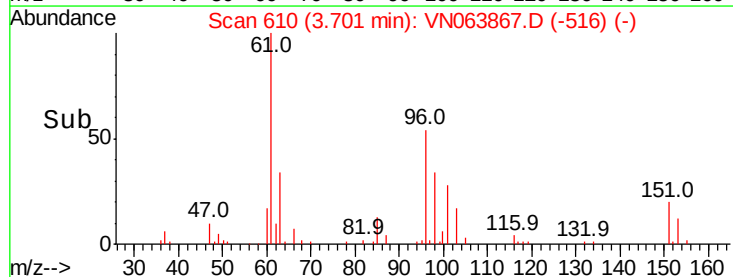


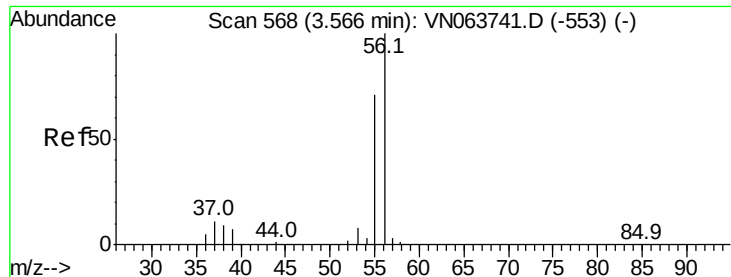
Abundance Ion 95.90 (95.60 to 96.60): VN063867.D (-516) (-)

Ion 60.90 (60.60 to 61.60): VN063867.D (-516) (-)

Ion 97.90 (97.60 to 98.60): VN063867.D (-516) (-)

3.70





#13

Acrolein

Concen: 102.283 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

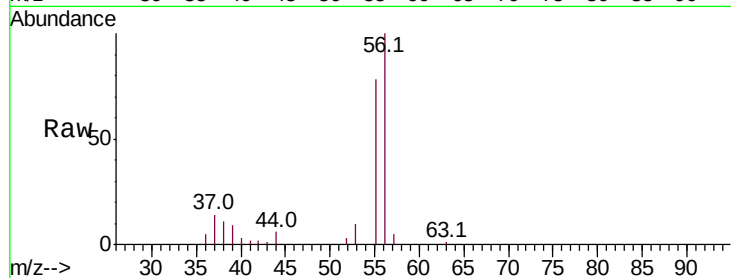
VN1005WBSD01

Tot Ion: 56 Resp: 30903

Ion Ratio Lower Upper

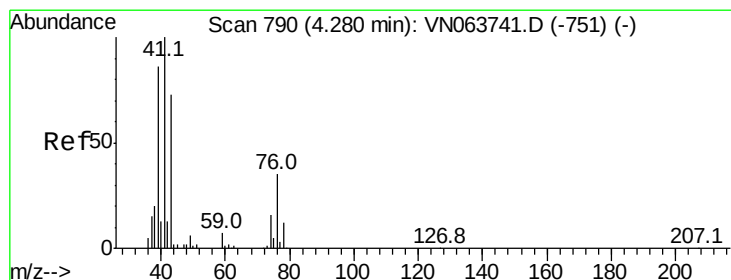
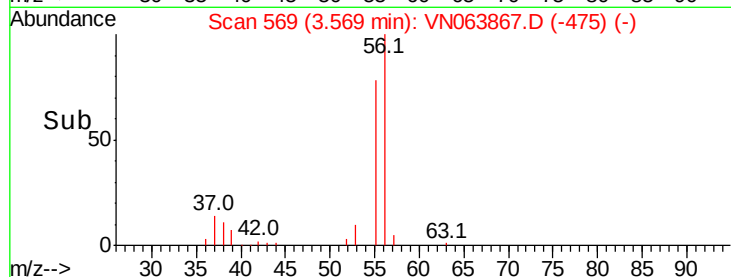
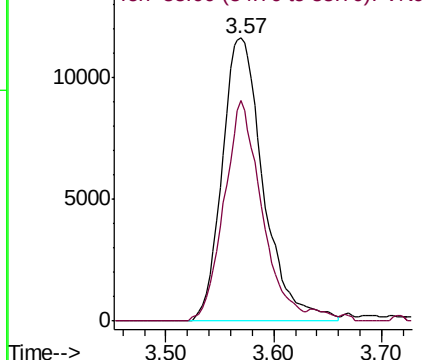
56 100

55 70.7 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.460 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

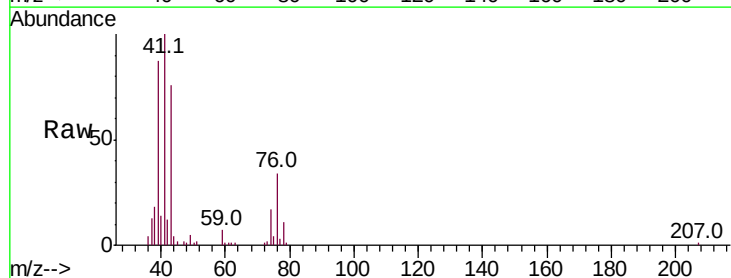
Tgt Ion: 41 Resp: 98255

Ion Ratio Lower Upper

41 100

39 76.8 64.5 96.7

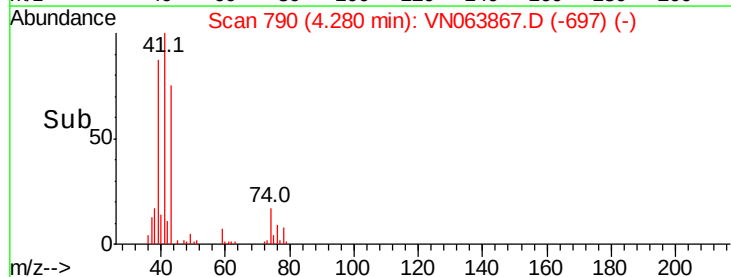
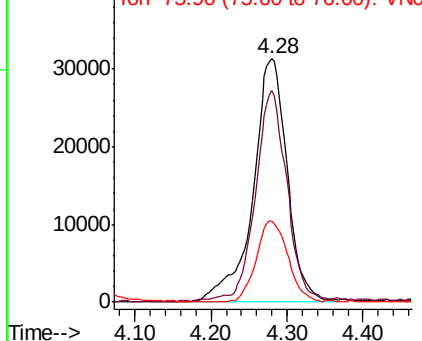
76 31.0 25.9 38.9

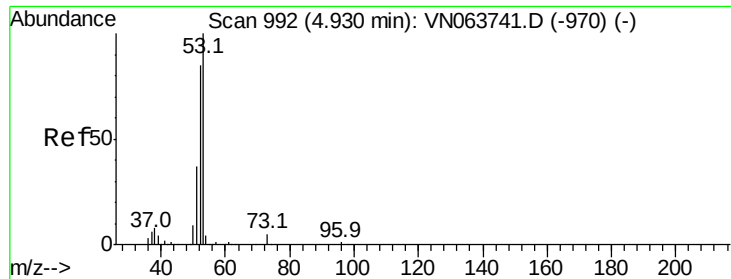


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.724 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

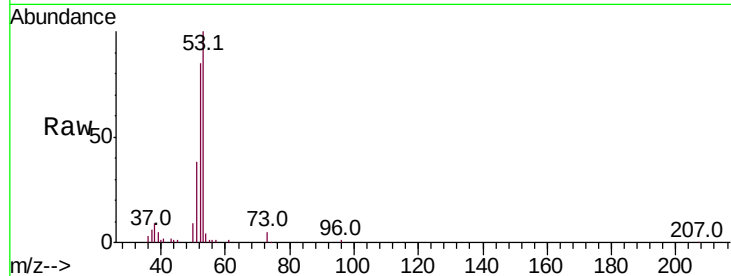
Tot Ion: 53 Resp: 136294

Ion Ratio Lower Upper

53 100

52 84.5 66.5 99.7

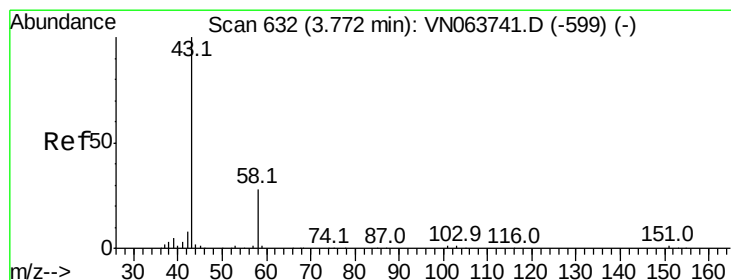
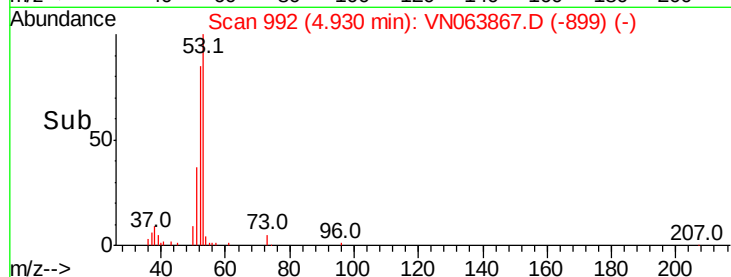
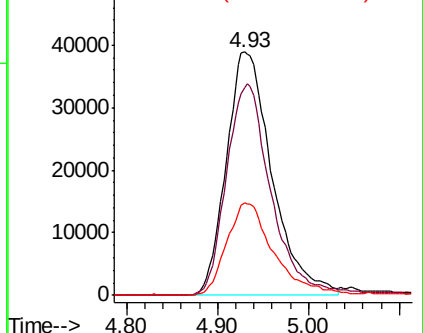
51 38.2 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 95.939 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063867.D

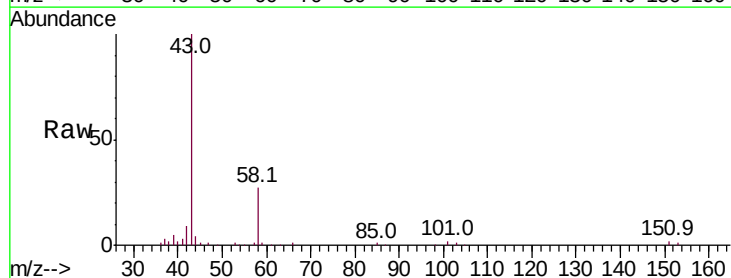
Acq: 5 Oct 2020 13:45

Tgt Ion: 43 Resp: 131685

Ion Ratio Lower Upper

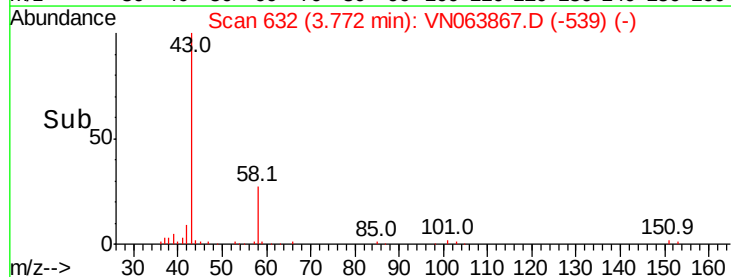
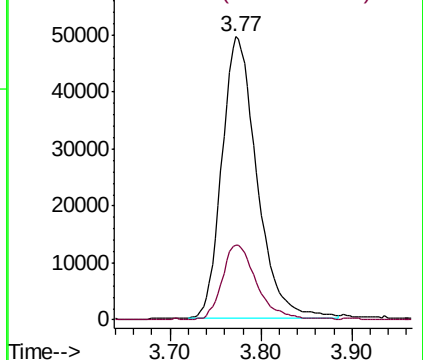
43 100

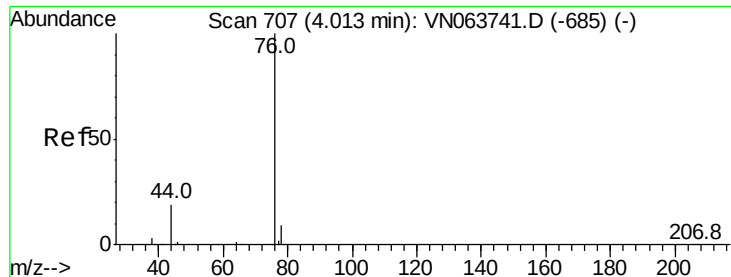
58 26.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

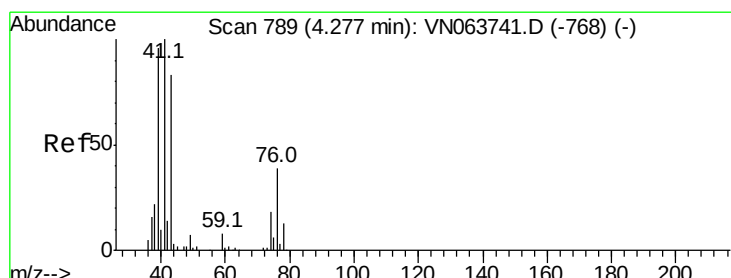
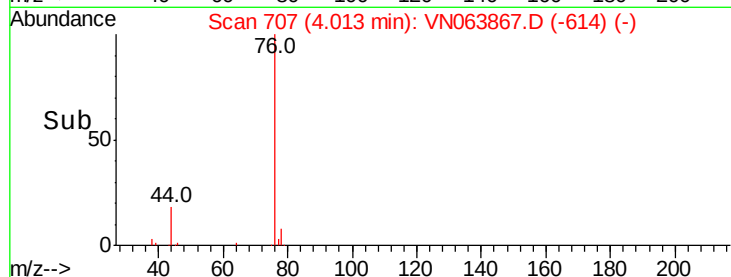
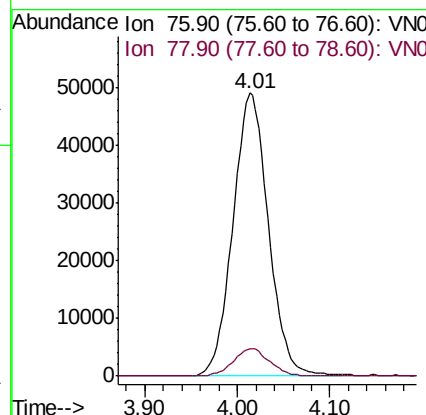
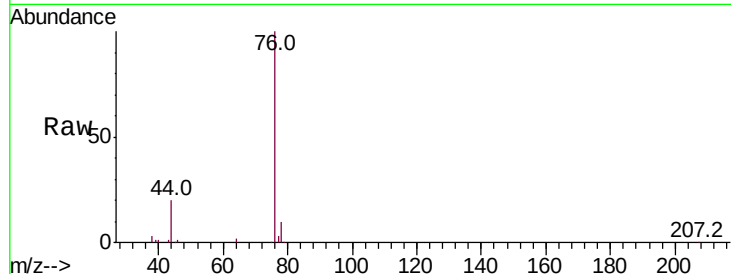




#17
Carbon Disulfide
Concen: 18.112 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

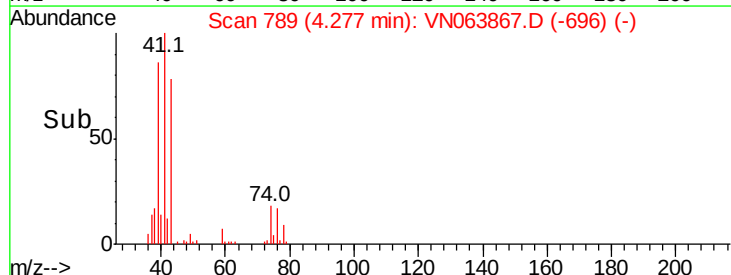
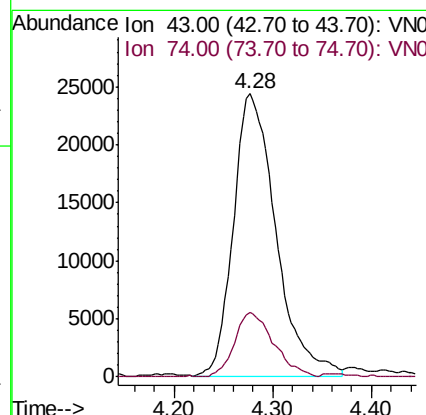
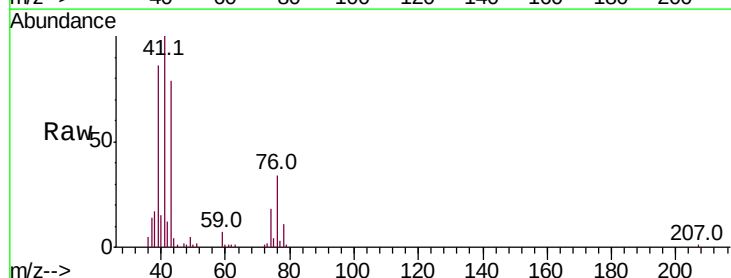
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

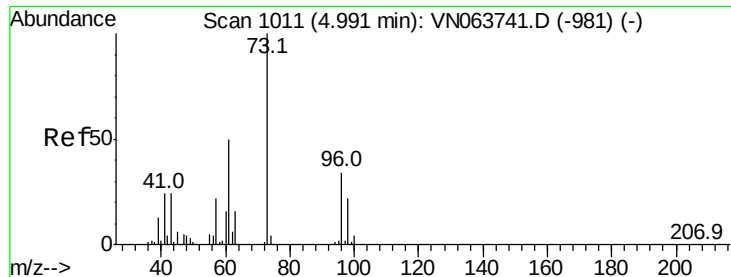
Tot Ion: 76 Resp: 129716
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.4



#18
Methyl Acetate
Concen: 20.666 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Tgt Ion: 43 Resp: 73648
Ion Ratio Lower Upper
43 100
74 20.8 17.4 26.2

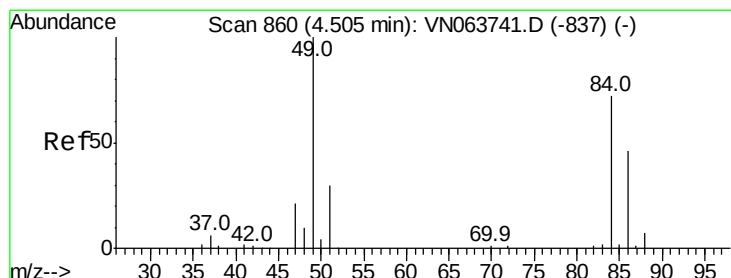
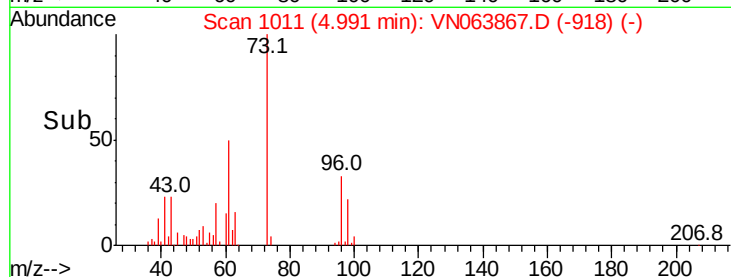
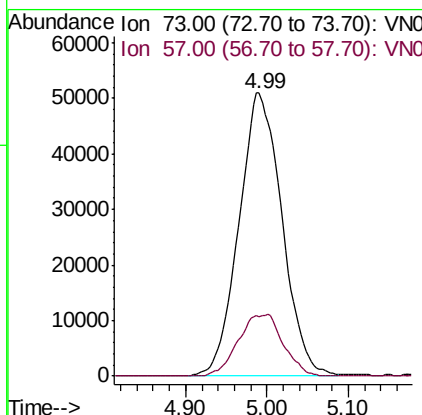
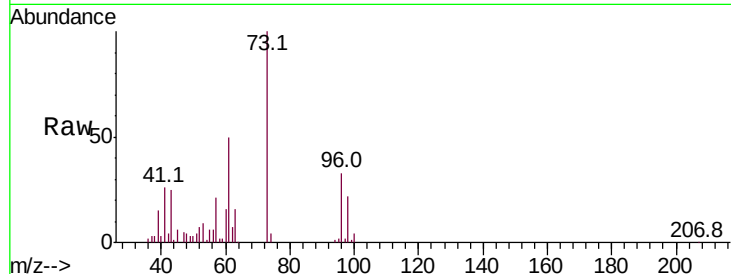




#19
Methyl tert-butyl Ether
Concen: 18.865 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

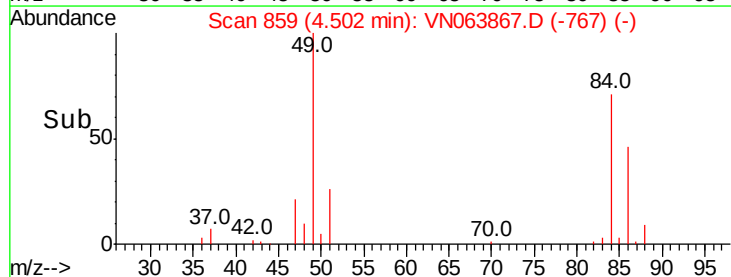
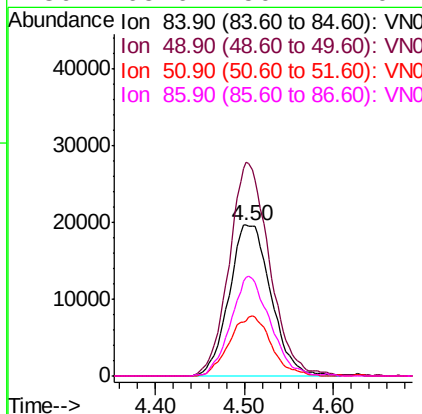
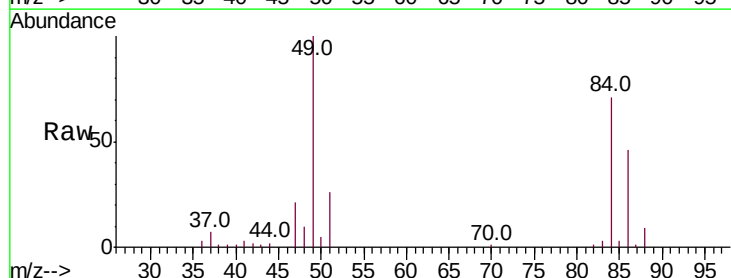
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

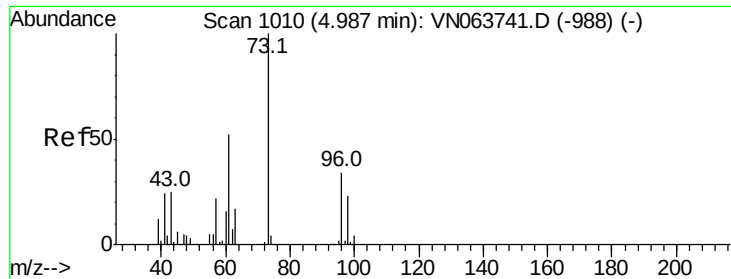
Tot Ion: 73 Resp: 186270
Ion Ratio Lower Upper
73 100
57 21.2 17.6 26.4



#20
Methylene Chloride
Concen: 20.401 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Tgt Ion: 84 Resp: 63956
Ion Ratio Lower Upper
84 100
49 141.4 110.4 165.6
51 36.8 33.3 49.9
86 65.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 18.471 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

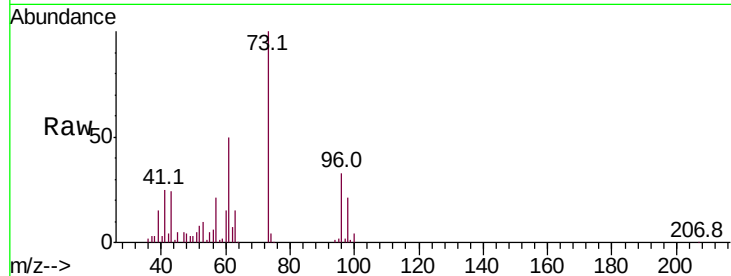
Tot Ion: 96 Resp: 56229

Ion Ratio Lower Upper

96 100

61 149.4 120.2 180.2

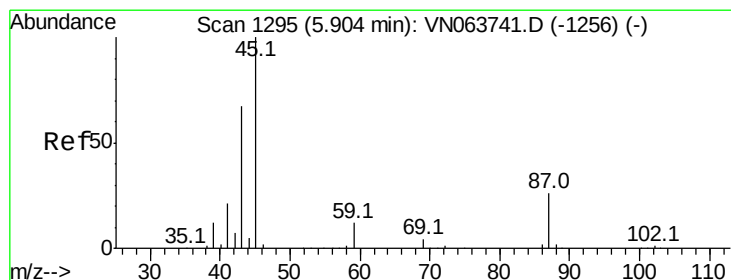
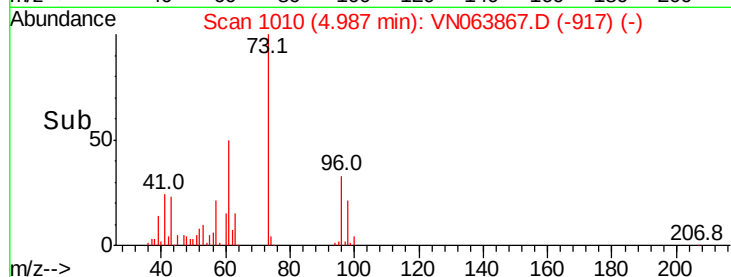
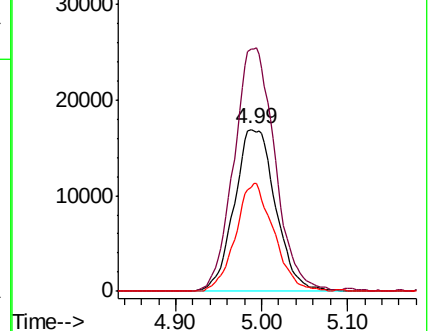
98 64.5 52.6 79.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.687 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Tgt Ion: 45 Resp: 204515

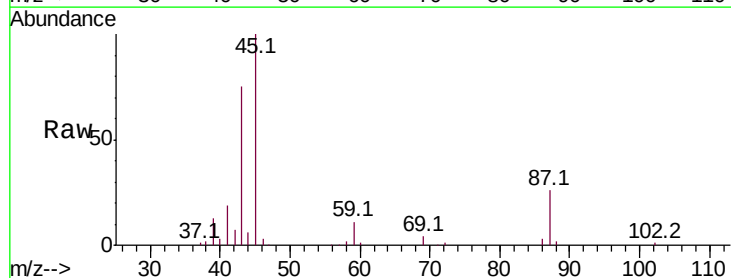
Ion Ratio Lower Upper

45 100

43 72.9 53.7 80.5

87 26.2 21.1 31.7

59 10.9 9.2 13.8

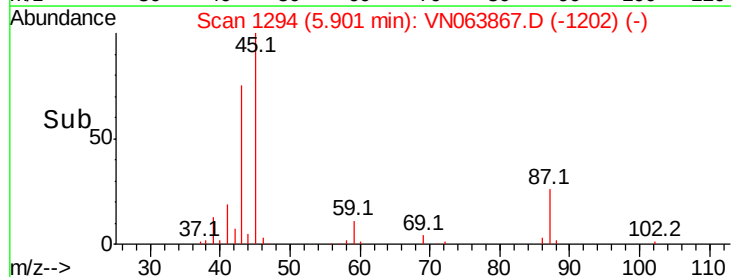
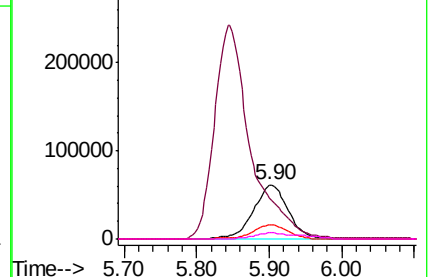


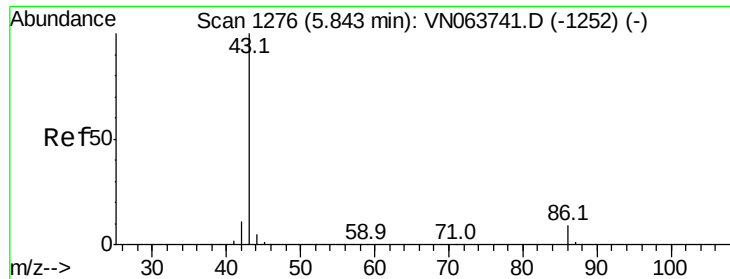
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

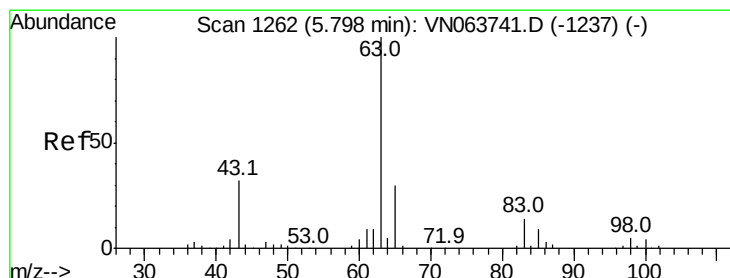
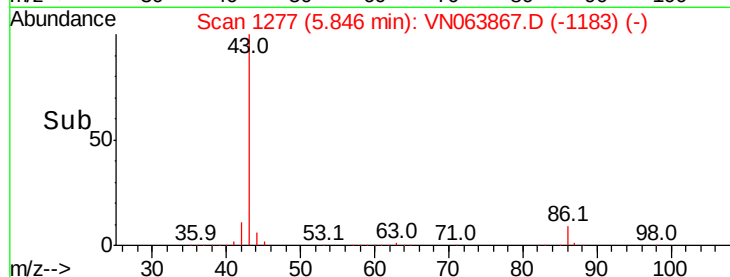
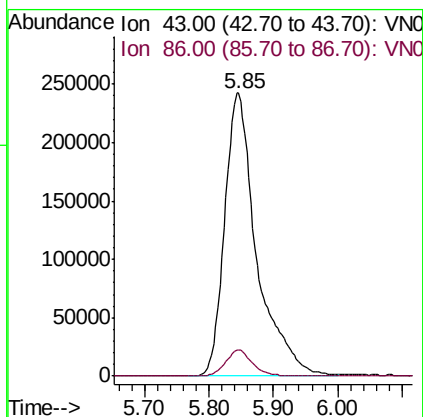
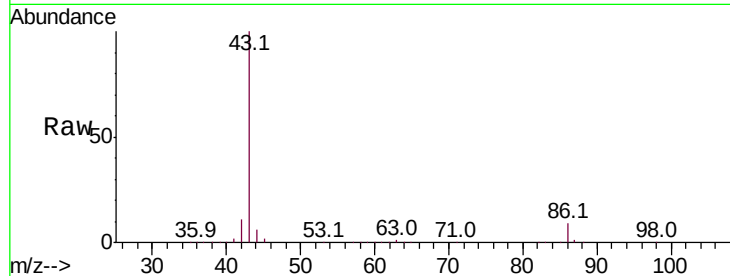




#23
 Vinyl Acetate
 Concen: 97.689 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

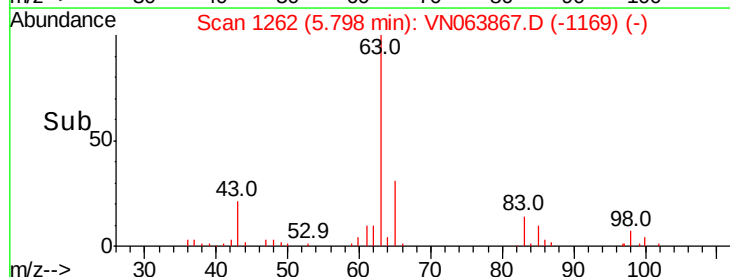
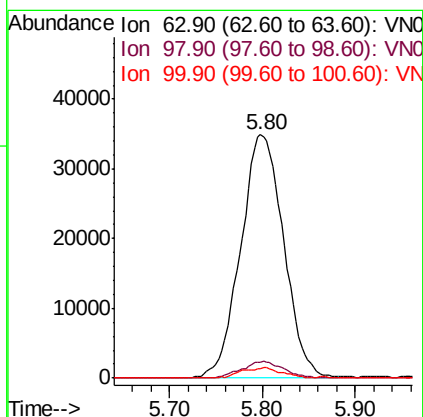
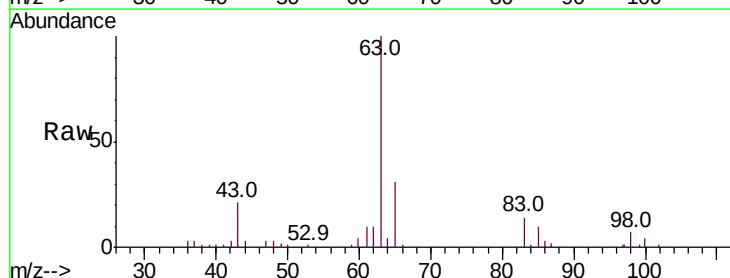
Instrument :
 MSVOA_N
 ClientSampled :
 VN1005WBSD01

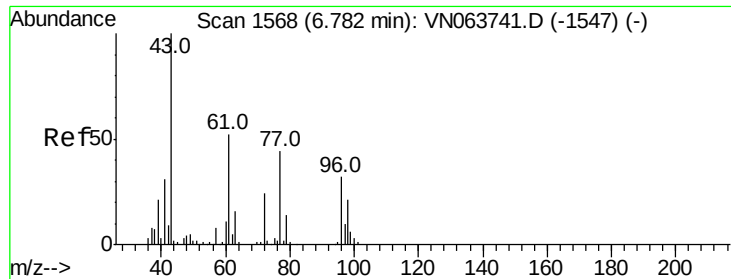
Tot Ion: 43 Resp: 840640
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.3 10.9



#24
 1,1-Dichloroethane
 Concen: 18.946 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

Tgt Ion: 63 Resp: 112538
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.7 8.1
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 99.230 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

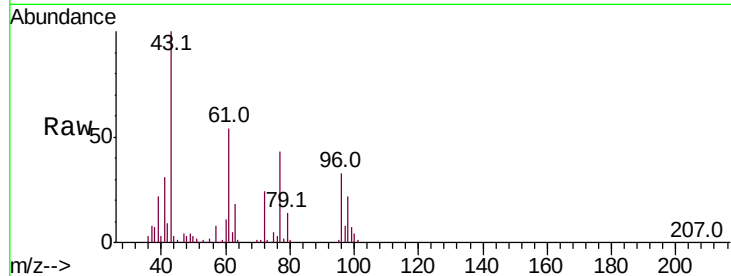
VN1005WBSD01

Tot Ion: 43 Resp: 193100

Ion Ratio Lower Upper

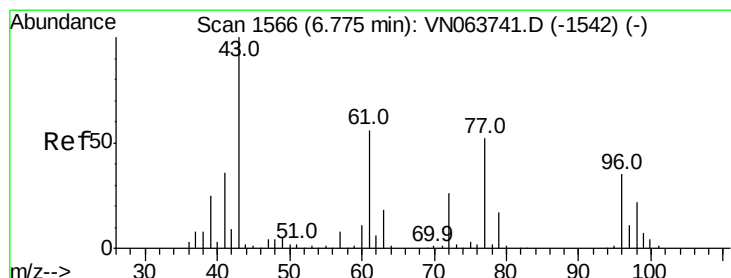
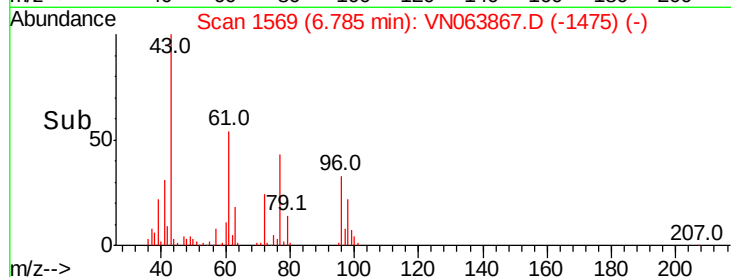
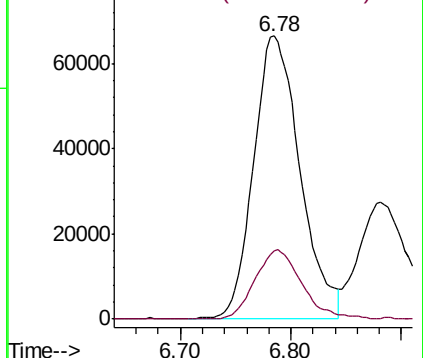
43 100

72 24.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.971 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063867.D

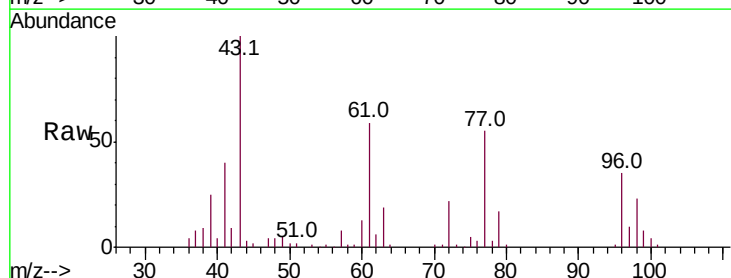
Acq: 5 Oct 2020 13:45

Tgt Ion: 77 Resp: 103190

Ion Ratio Lower Upper

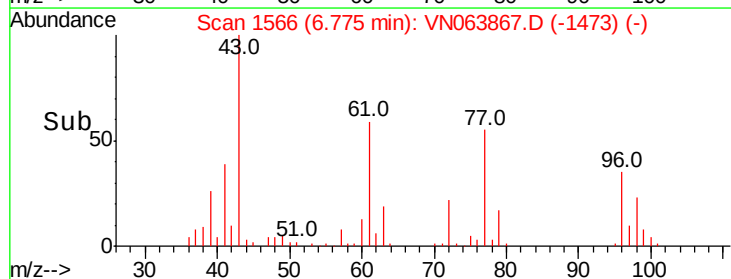
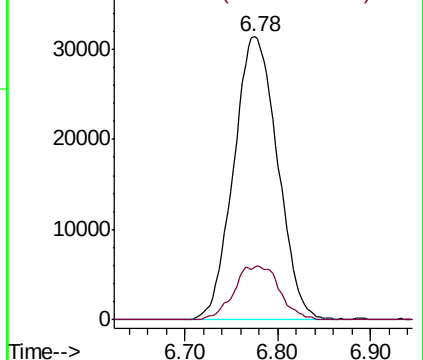
77 100

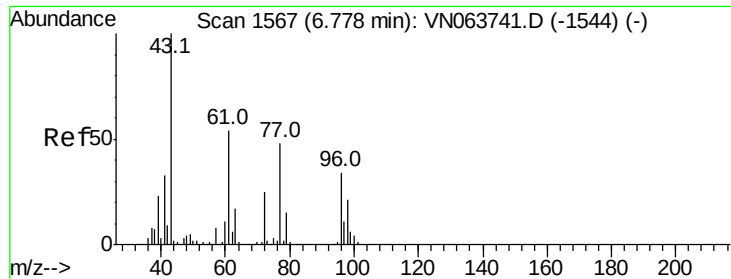
97 19.8 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 18.685 ug/l

RT: 6.78 min Scan# 1569

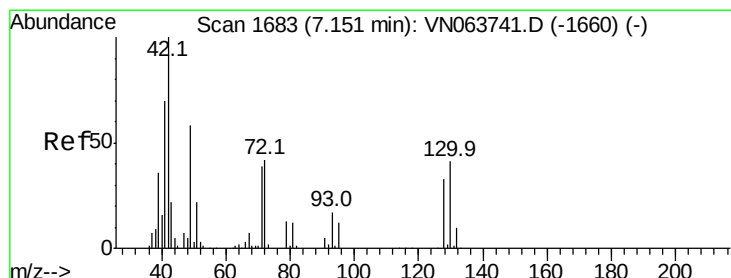
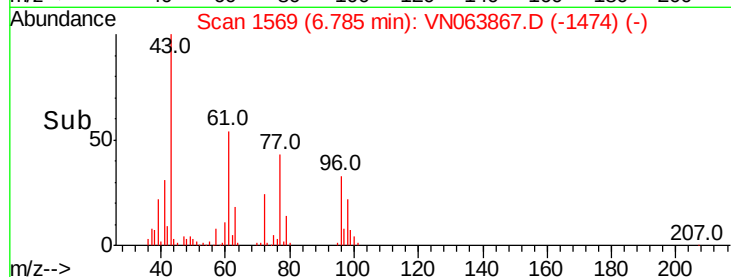
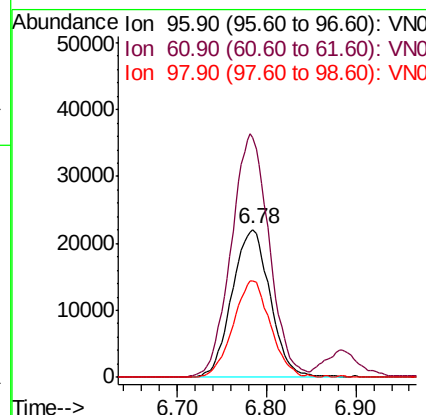
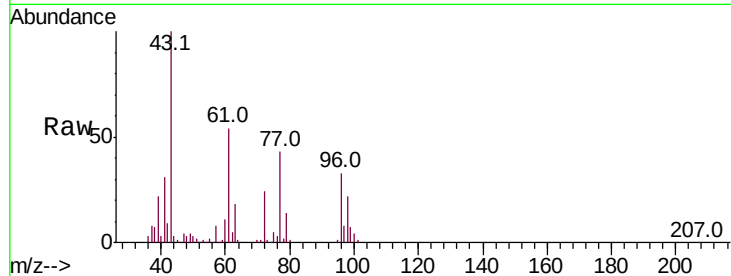
Delta R.T. 0.01 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion	96	Resp	65417
Ion	Ratio	Lower	Upper
96	100		
61	164.0	0.0	321.2
98	64.2	0.0	124.4



#28

Bromochloromethane

Concen: 21.117 ug/l

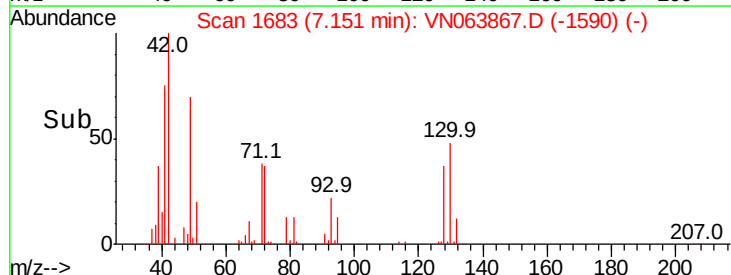
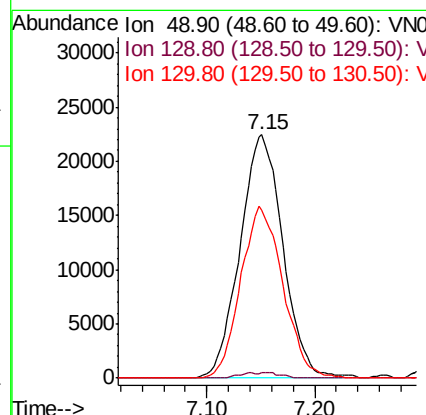
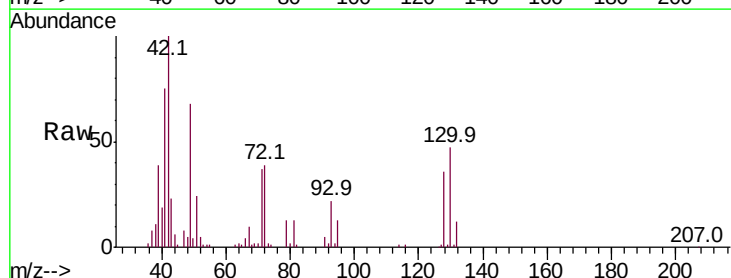
RT: 7.15 min Scan# 1683

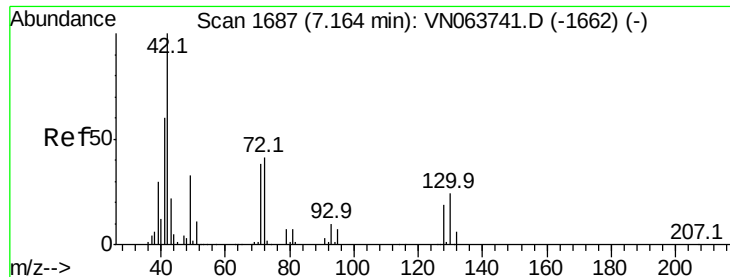
Delta R.T. -0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Tgt Ion	49	Resp	61993
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.8
130	69.4	55.6	83.4

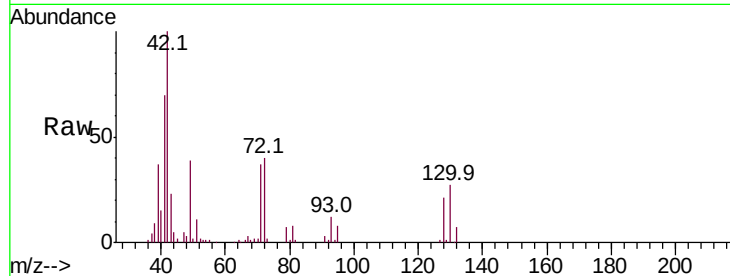




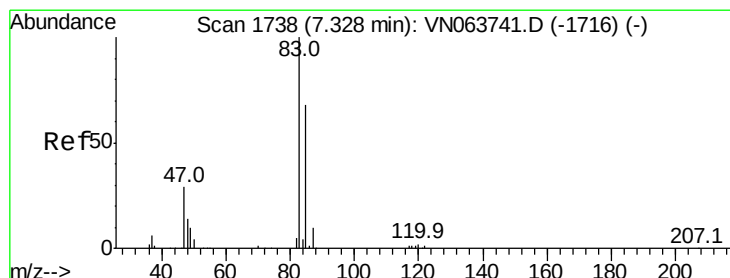
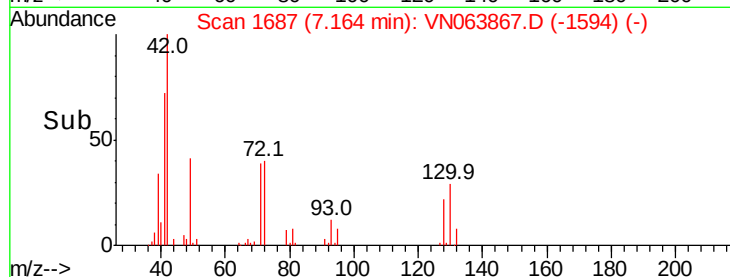
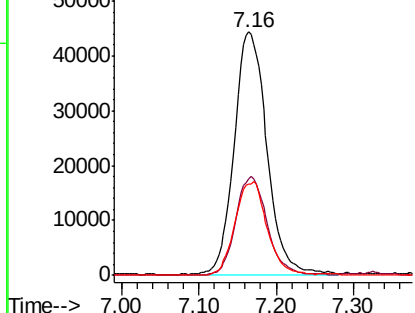
#29
Tetrahydrofuran
Concen: 99.040 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion: 42 Resp: 129263
Ion Ratio Lower Upper
42 100
72 39.3 32.8 49.2
71 38.1 30.6 45.8

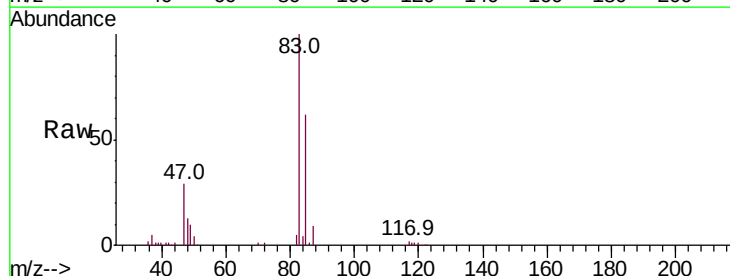


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

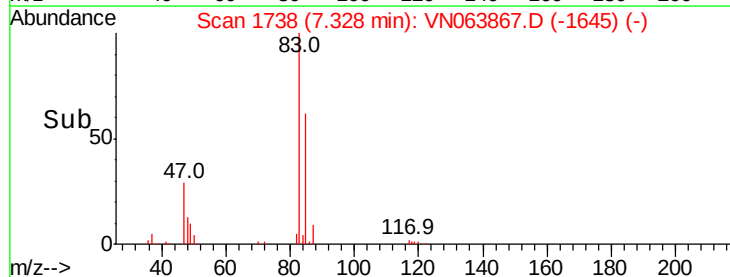
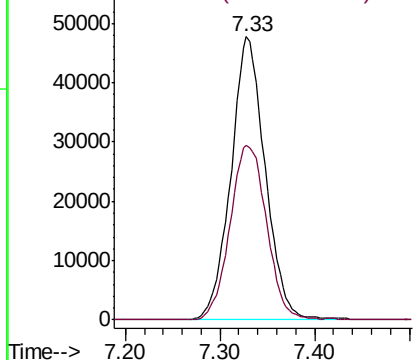


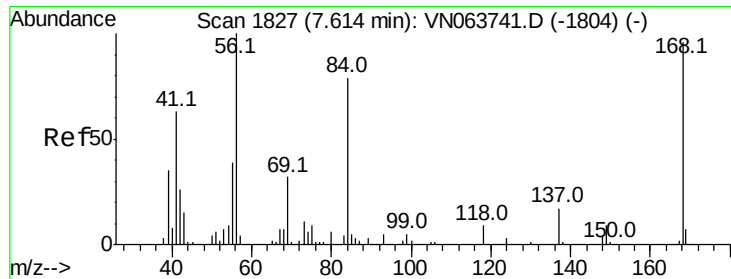
#30
Chloroform
Concen: 19.399 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Tgt Ion: 83 Resp: 120144
Ion Ratio Lower Upper
83 100
85 61.8 54.6 82.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

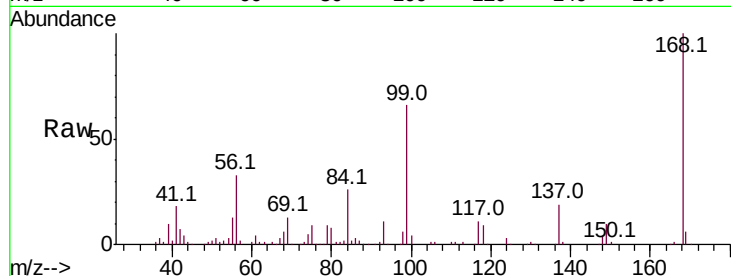




#31
Cyclohexane
Concen: 18.720 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.8	25.4	38.2#
84	78.5	63.3	94.9

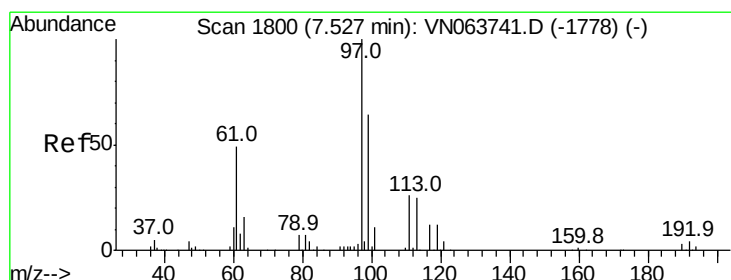
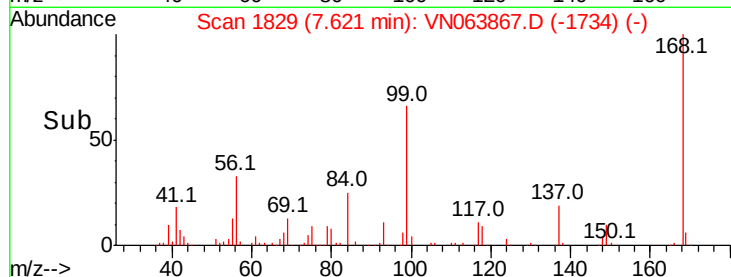
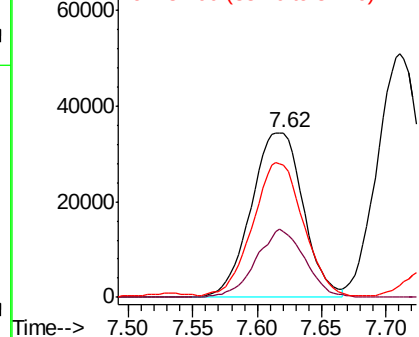


Abundance

Ion 56.00 (55.70 to 56.70): VN0

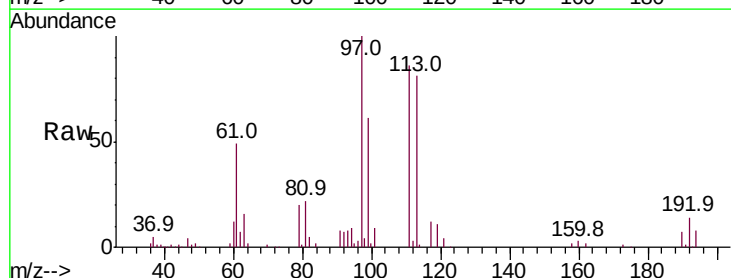
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 19.491 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	48.8	38.7	58.1

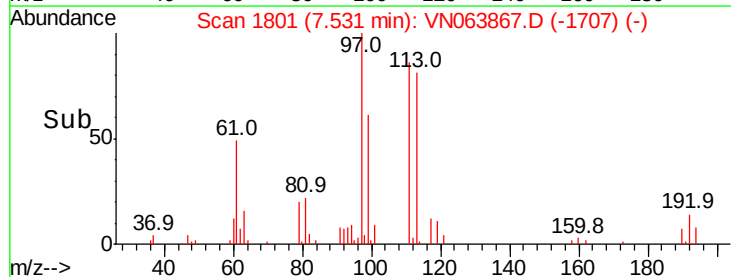
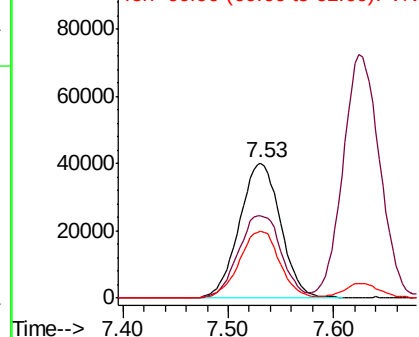


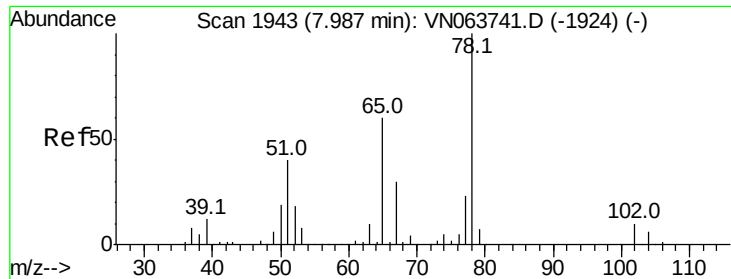
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

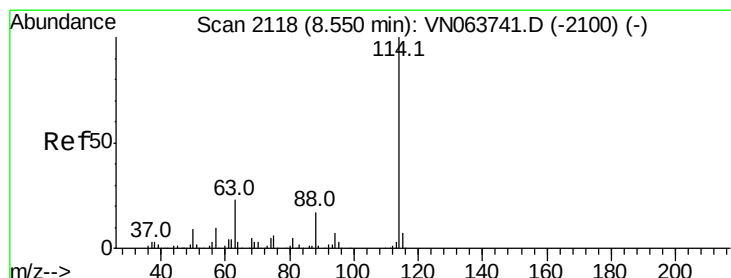
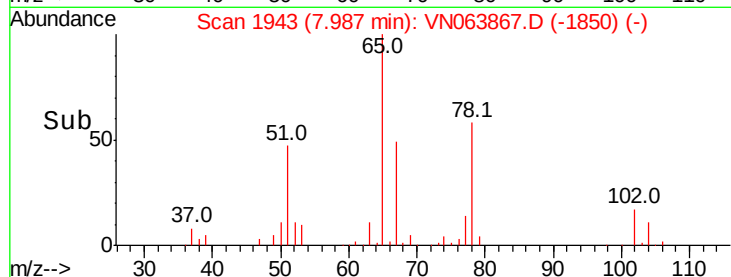
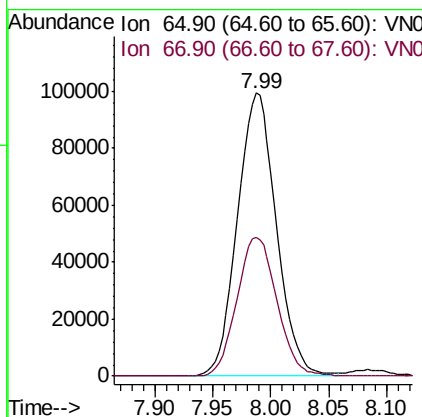
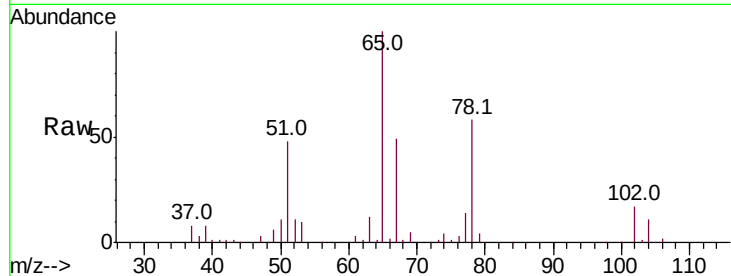




#33
 1,2-Dichloroethane-d4
 Concen: 52.085 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

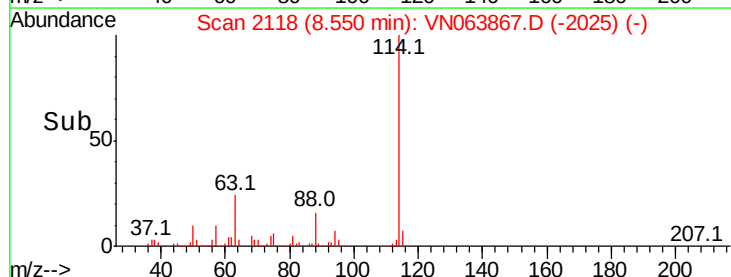
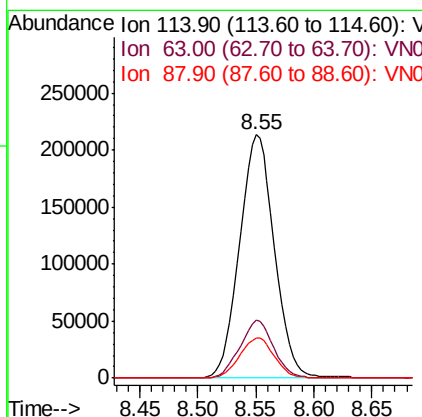
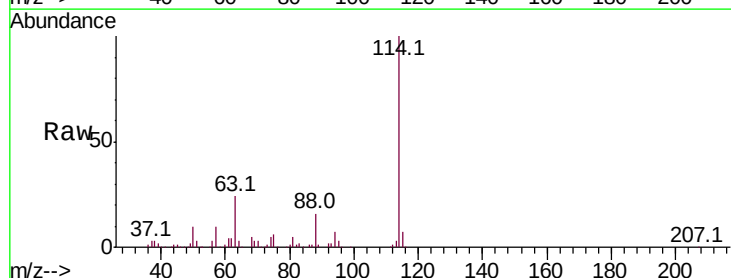
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

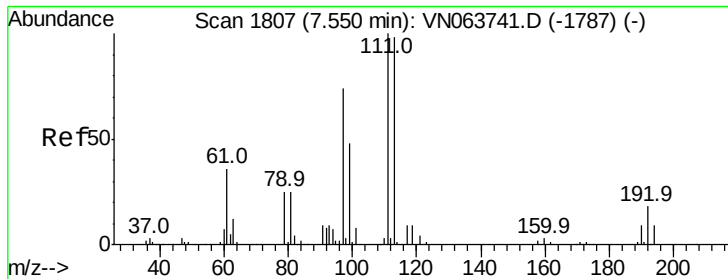
Tot Ion: 65 Resp: 232241
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

Tgt Ion: 114 Resp: 445371
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.0
 88 16.3 0.0 34.0

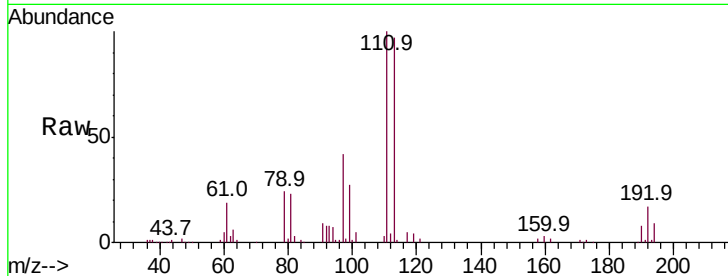




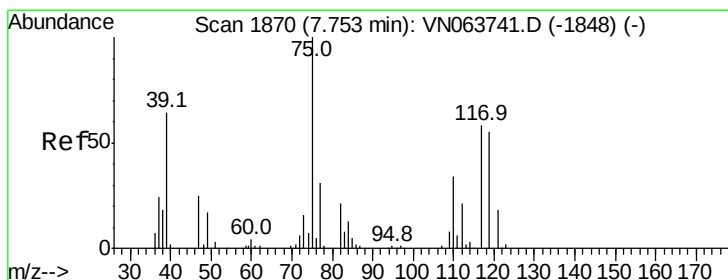
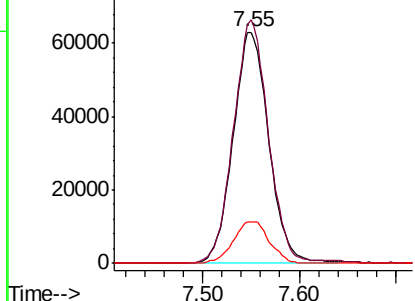
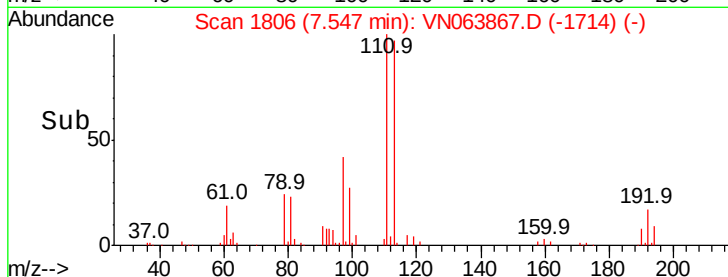
#35
 Dibromofluoromethane
 Concen: 52.192 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion:113 Resp: 161290
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.8 122.8
 192 18.2 14.2 21.2

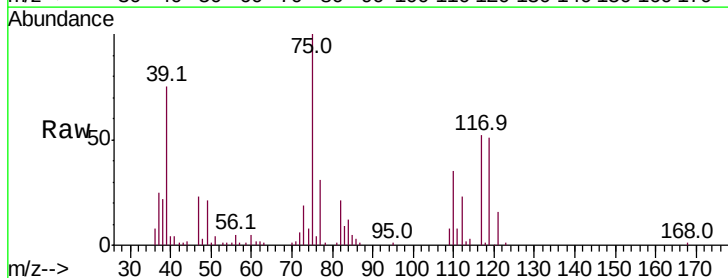


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

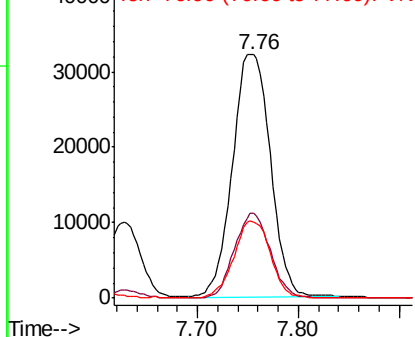
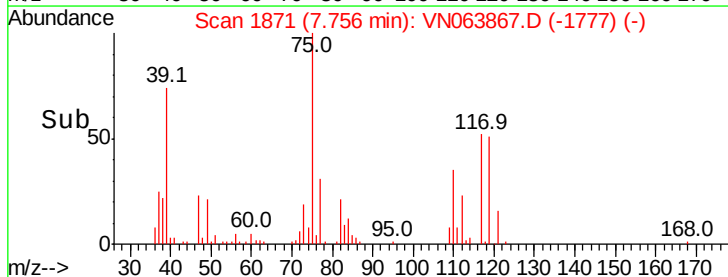


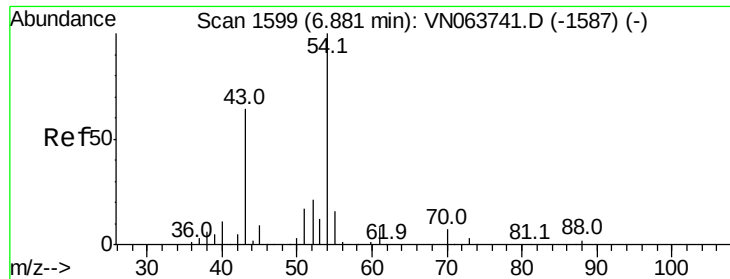
#36
 1,1-Dichloropropene
 Concen: 18.579 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

Tgt Ion: 75 Resp: 83831
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.9 50.6
 77 30.7 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

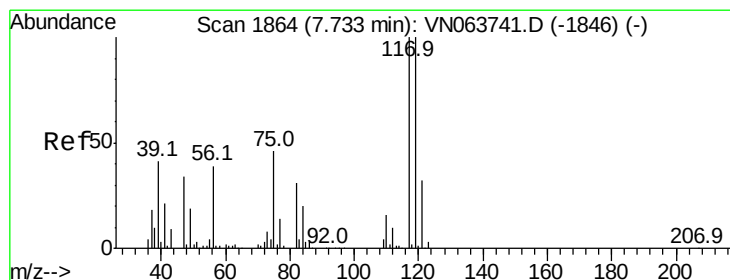
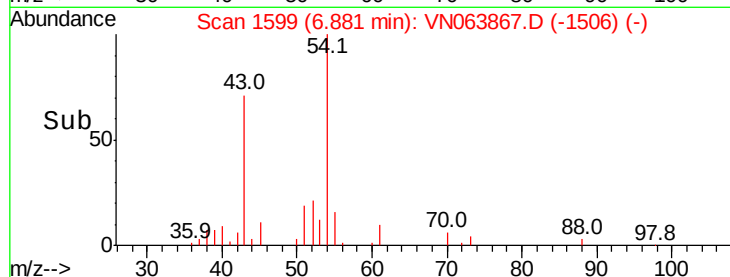
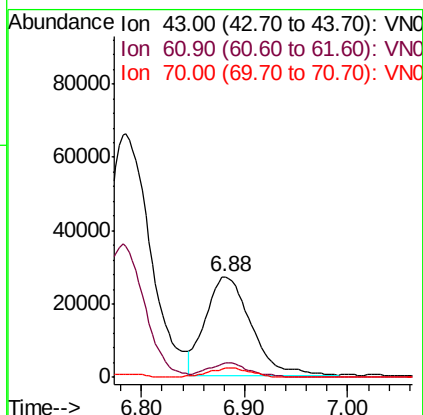
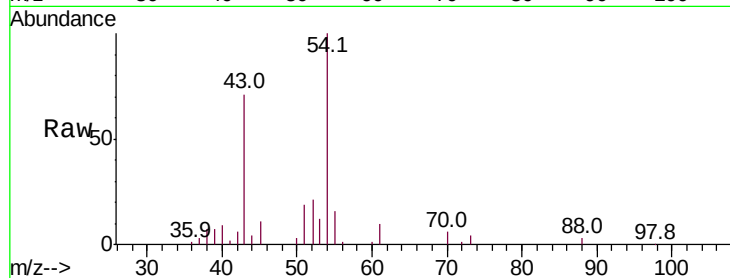




#37
Ethyl Acetate
Concen: 18.465 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

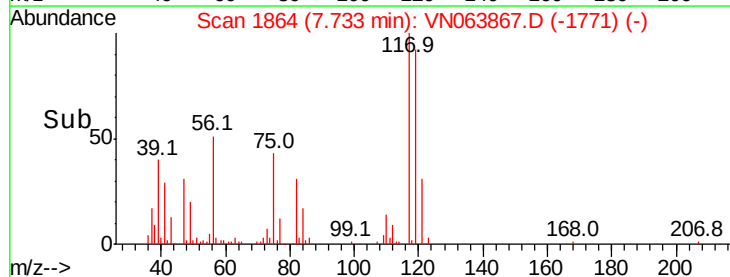
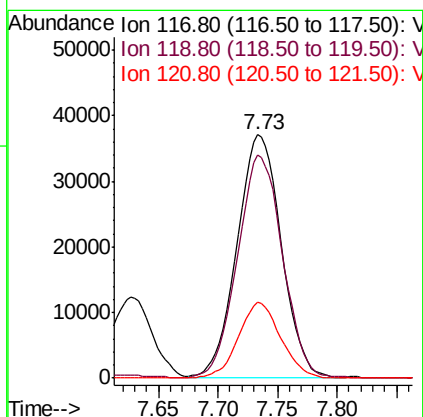
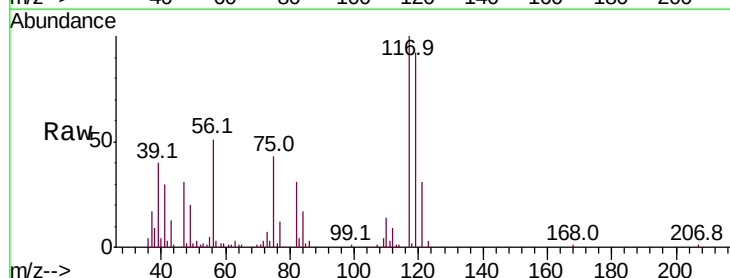
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

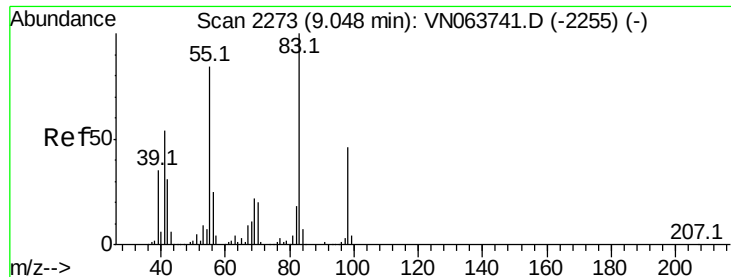
Tot Ion: 43 Resp: 82776
Ion Ratio Lower Upper
43 100
61 12.6 10.4 15.6
70 7.9 7.3 10.9



#38
Carbon Tetrachloride
Concen: 18.968 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Tgt Ion: 117 Resp: 95970
Ion Ratio Lower Upper
117 100
119 91.9 80.1 120.1
121 31.0 25.7 38.5

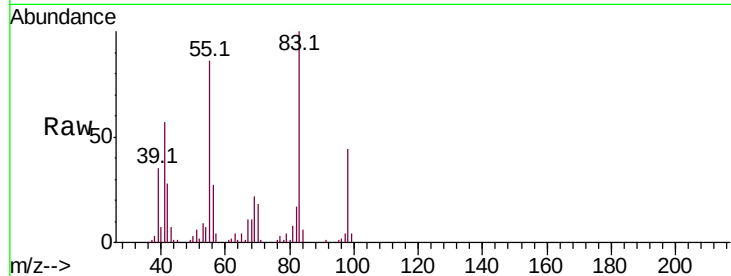




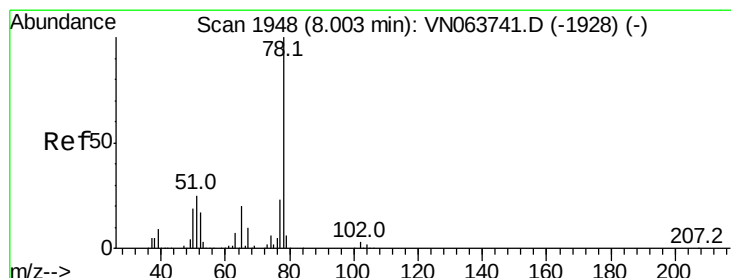
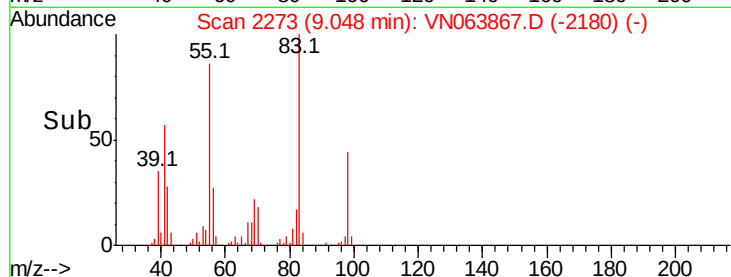
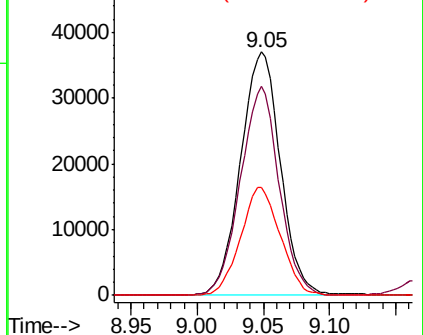
#39
Methylvlcyclohexane
Concen: 17.206 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion: 83 Resp: 77420
Ion Ratio Lower Upper
83 100
55 86.0 67.1 100.7
98 44.3 36.6 54.8

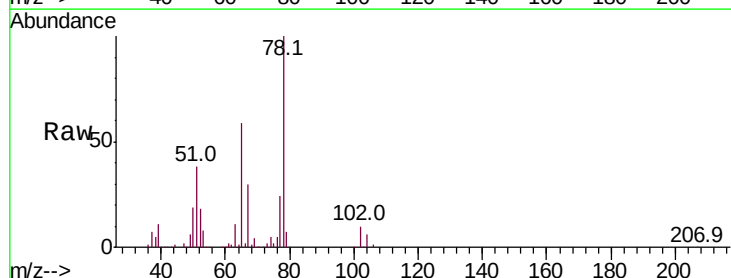


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

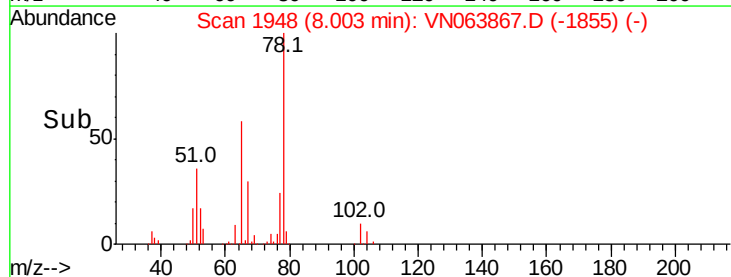
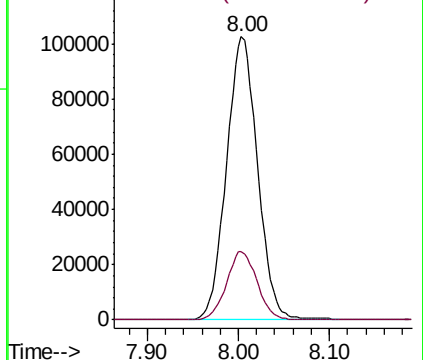


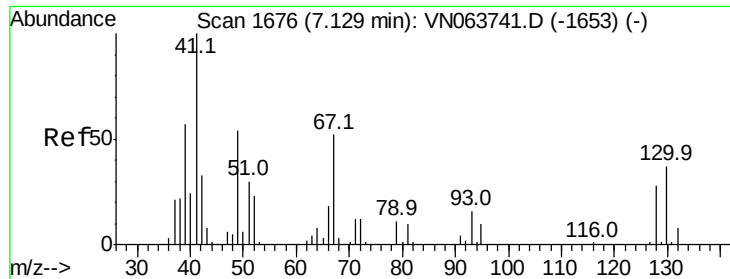
#40
Benzene
Concen: 18.915 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Tgt Ion: 78 Resp: 243773
Ion Ratio Lower Upper
78 100
77 24.3 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

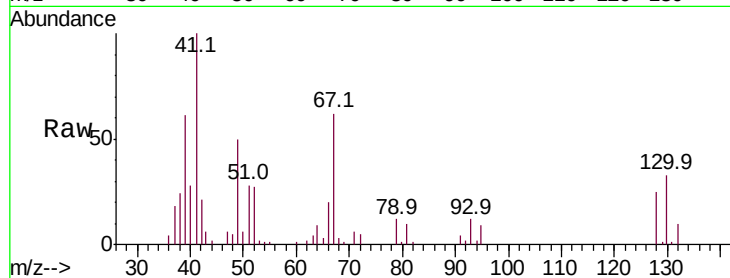




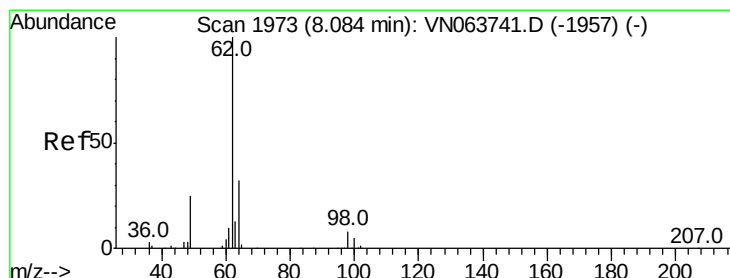
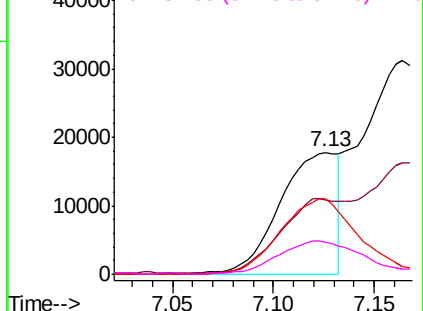
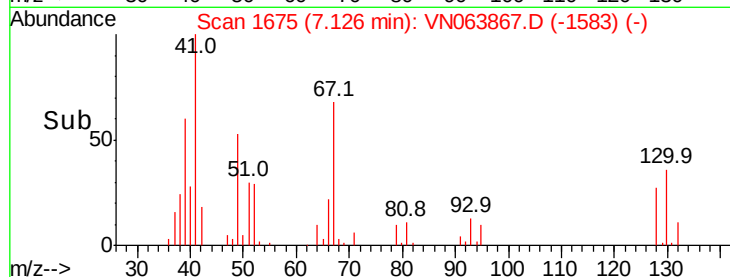
#41
Methacrylonitrile
Concen: 17.879 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion: 41 Resp: 35620
Ion Ratio Lower Upper
41 100
39 70.4 42.5 63.7#
67 84.7 57.4 86.2
52 41.6 26.9 40.3#

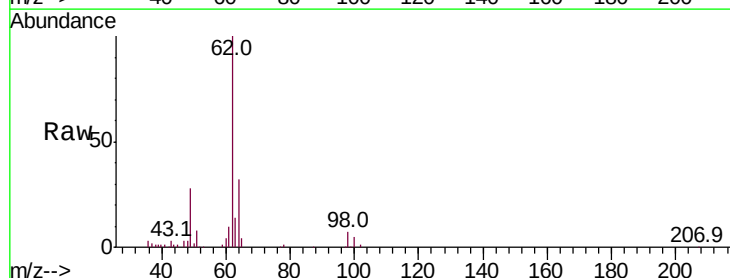


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

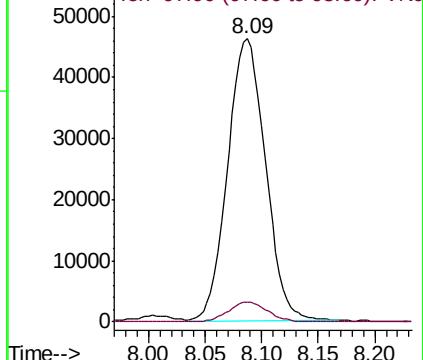
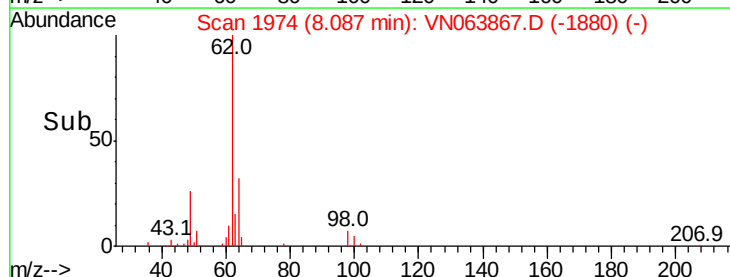


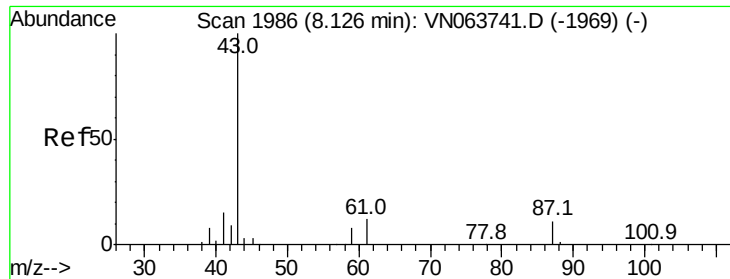
#42
1,2-Dichloroethane
Concen: 19.538 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Tgt Ion: 62 Resp: 107485
Ion Ratio Lower Upper
62 100
98 7.2 0.0 15.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 19.357 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

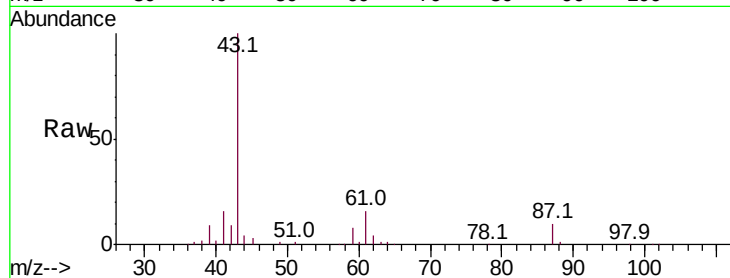
MSVOA_N

ClientSampleId :

VN1005WBSD01

Tot Ion: 43 Resp: 143130

Ion	Ratio	Lower	Upper
43	100		
61	24.0	14.2	21.4#
87	11.8	9.0	13.6

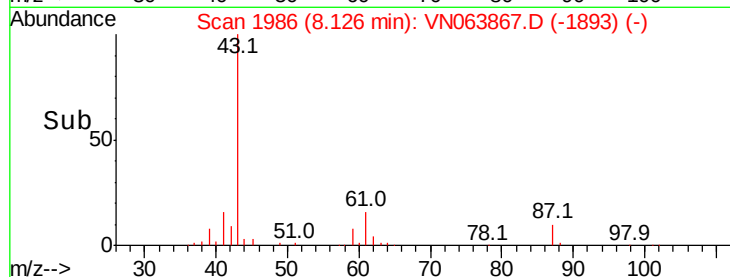


Abundance Ion 43.00 (42.70 to 43.70): VN063867.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN063867.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN063867.D (-1969) (-)

Time--> 8.00 8.05 8.10 8.15 8.20

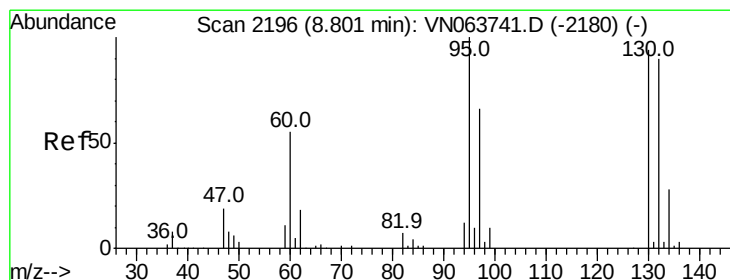


Abundance Ion 43.00 (42.70 to 43.70): VN063867.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN063867.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN063867.D (-1893) (-)

Time--> 8.00 8.05 8.10 8.15 8.20



#44

Trichloroethene

Concen: 18.889 ug/l

RT: 8.80 min Scan# 2196

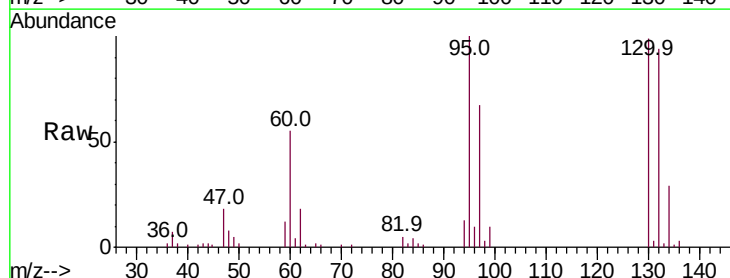
Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Tgt Ion:130 Resp: 63781

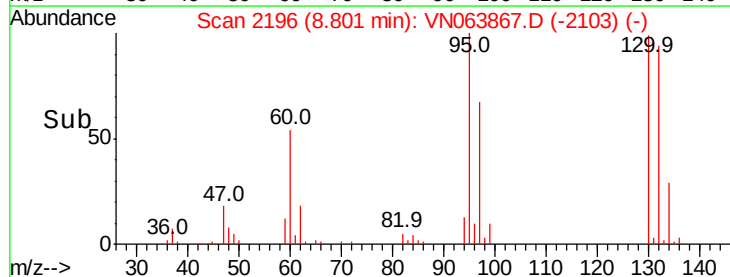
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	213.6



Abundance Ion 129.80 (129.50 to 130.50): VN063867.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN063867.D (-2180) (-)

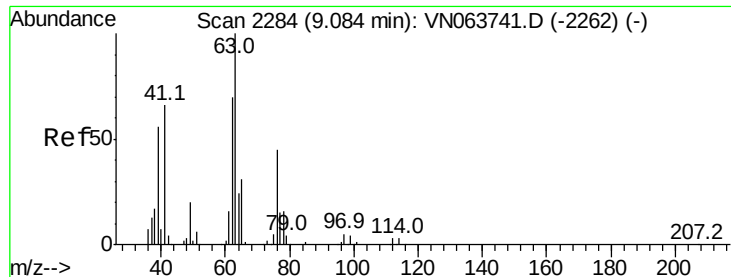
Time--> 8.70 8.75 8.80 8.85 8.90



Abundance Ion 129.80 (129.50 to 130.50): VN063867.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN063867.D (-2103) (-)

Time--> 8.70 8.75 8.80 8.85 8.90



#45

1,2-Dichloropropane

Concen: 19.528 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

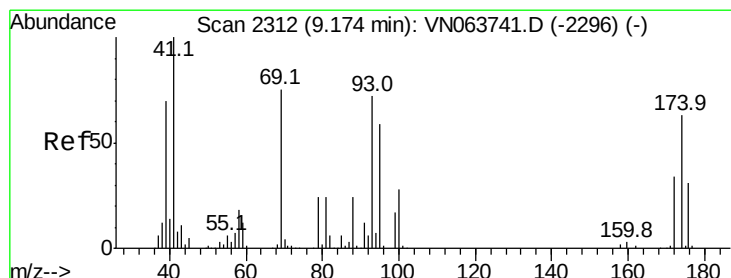
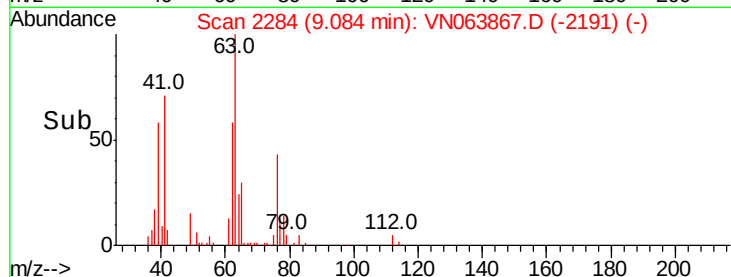
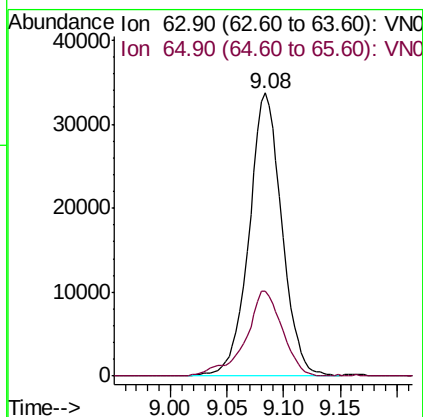
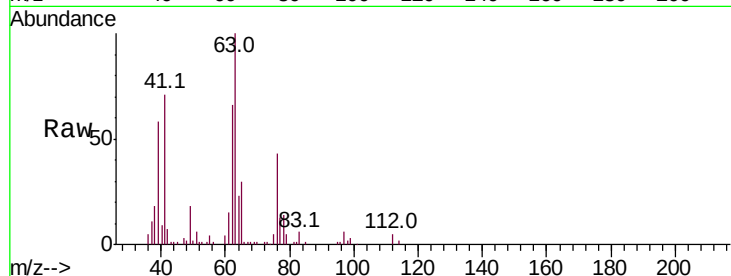
VN1005WBSD01

Tot Ion: 63 Resp: 67968

Ion Ratio Lower Upper

63 100

65 30.2 24.7 37.1



#46

Dibromomethane

Concen: 19.147 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

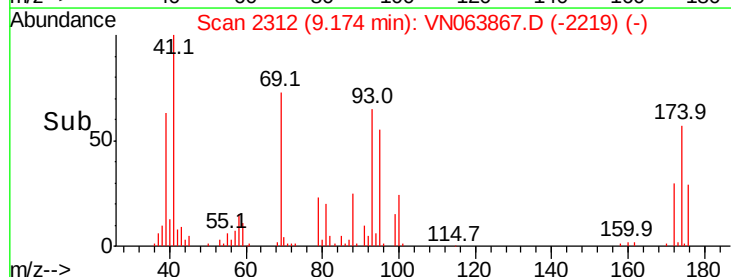
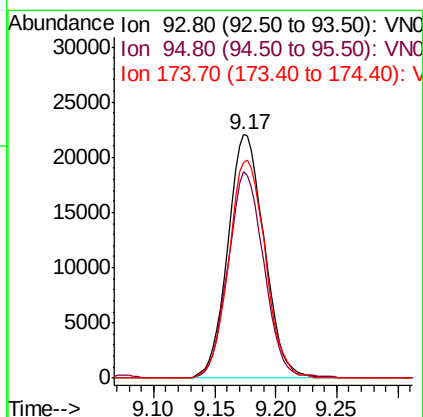
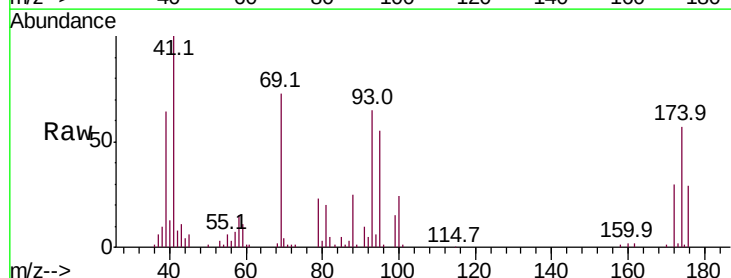
Tgt Ion: 93 Resp: 45973

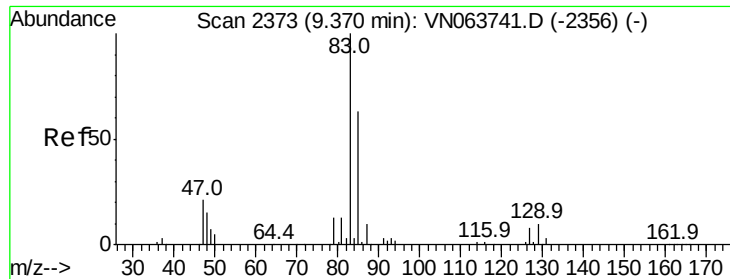
Ion Ratio Lower Upper

93 100

95 83.2 66.3 99.5

174 89.2 72.7 109.1





#47

Bromodichloromethane

Concen: 20.652 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

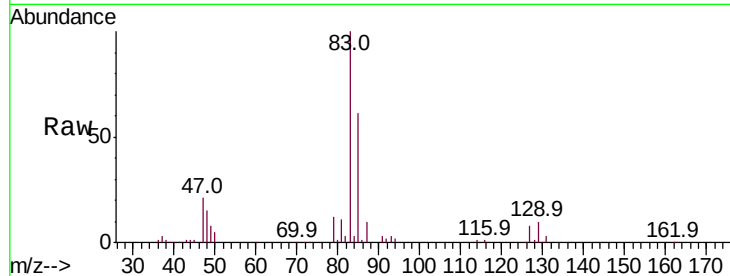
Tot Ion: 83 Resp: 102196

Ion Ratio Lower Upper

83 100

85 61.1 50.6 75.8

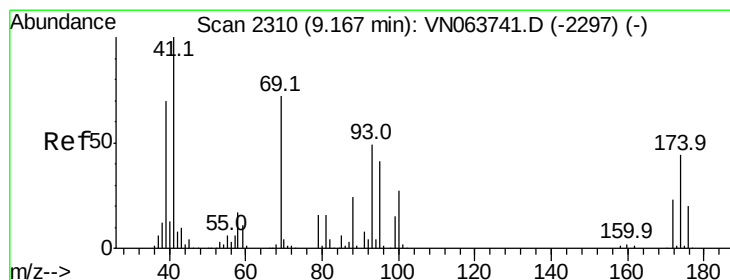
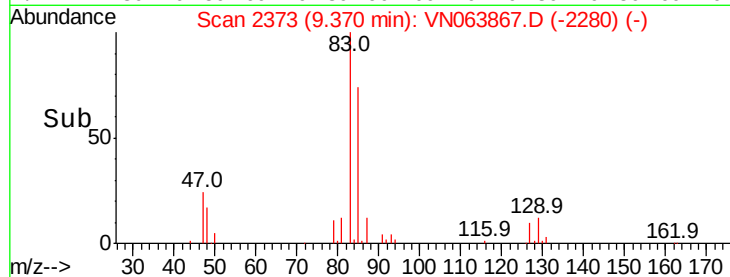
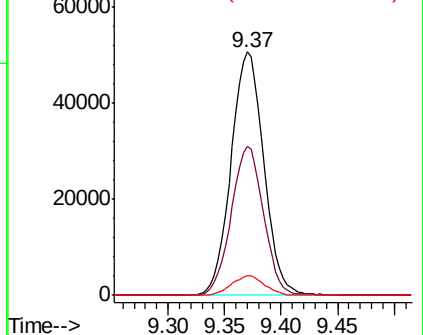
127 7.9 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.127 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

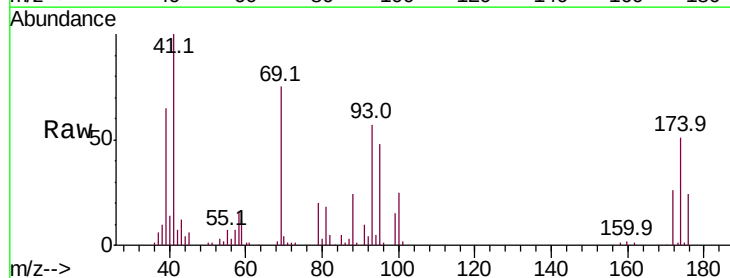
Tgt Ion: 41 Resp: 73527

Ion Ratio Lower Upper

41 100

69 73.7 60.9 91.3

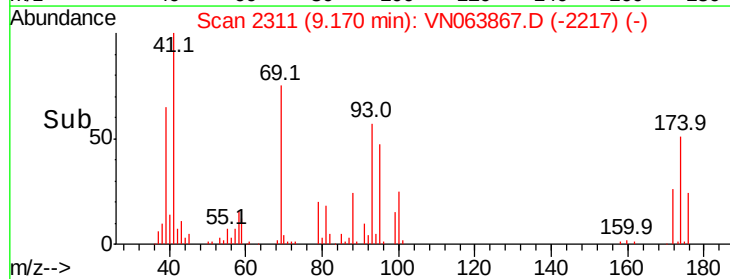
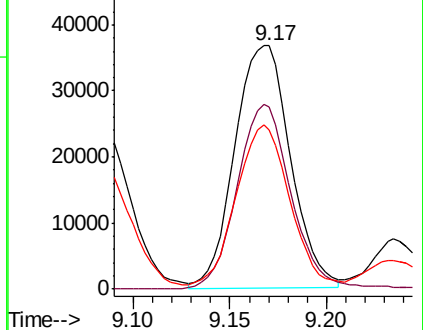
39 65.8 57.5 86.3

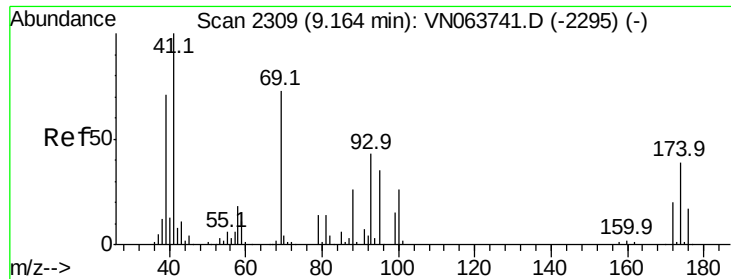


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

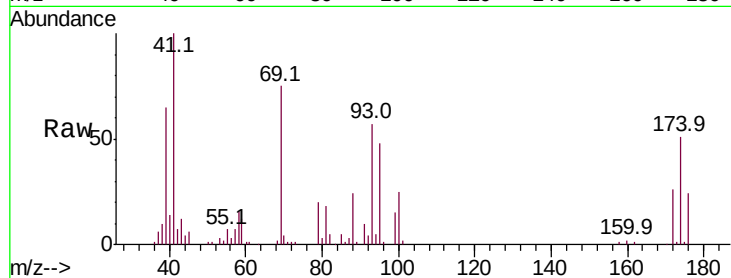




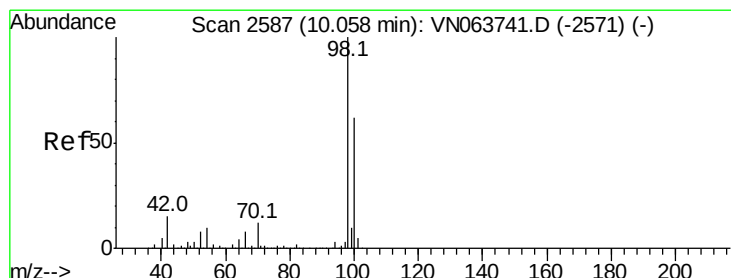
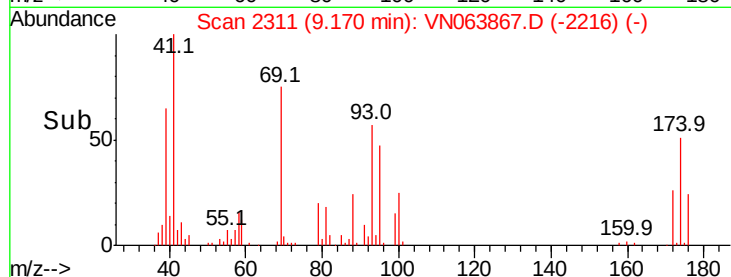
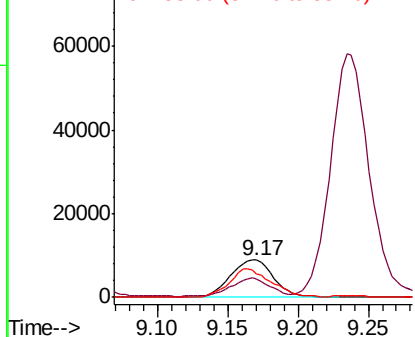
#49
1,4-Dioxane
Concen: 368.127 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion: 88 Resp: 19113
Ion Ratio Lower Upper
88 100
43 40.8 33.1 49.7
58 74.8 58.9 88.3

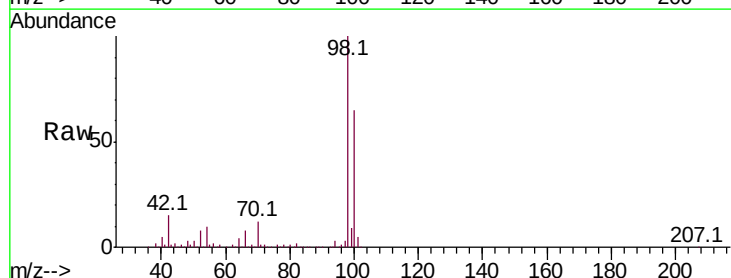


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

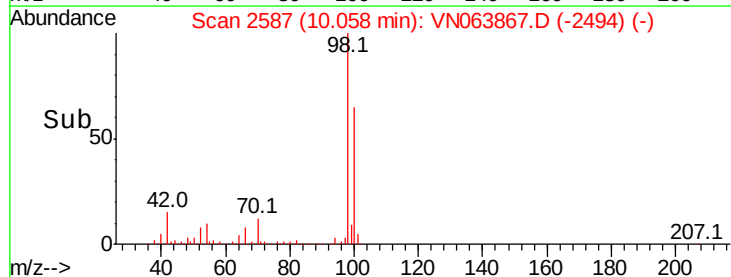
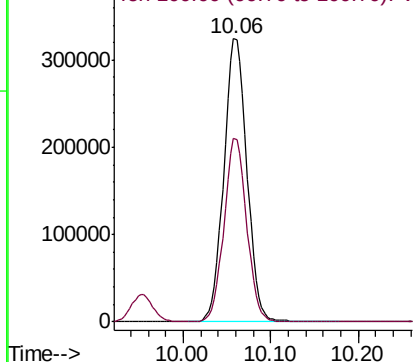


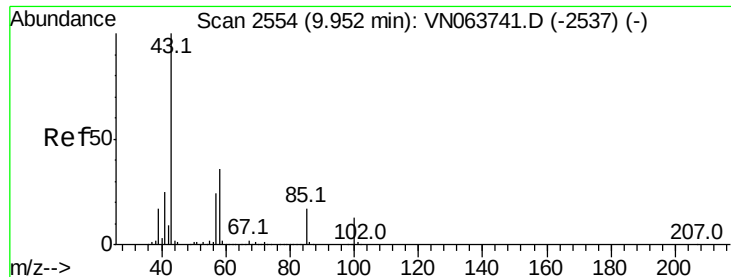
#50
Toluene-d8
Concen: 50.655 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Tgt Ion: 98 Resp: 593433
Ion Ratio Lower Upper
98 100
100 63.5 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 100.863 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampled :

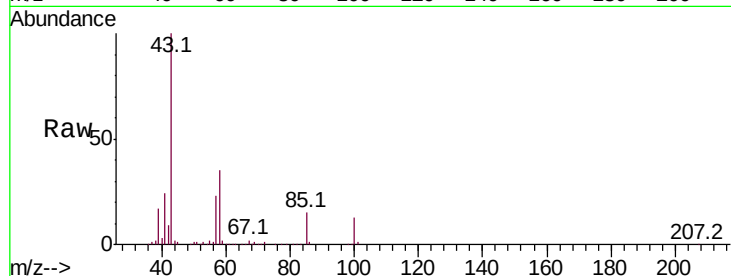
VN1005WBSD01

Tot Ion: 43 Resp: 437668

Ion Ratio Lower Upper

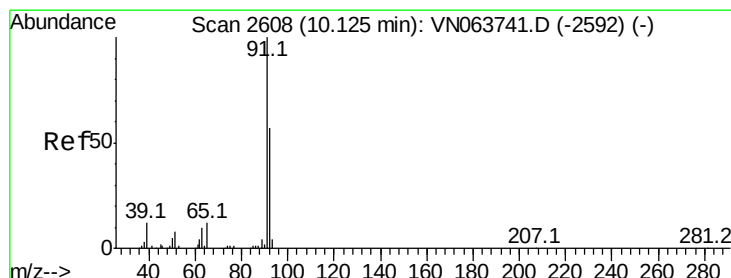
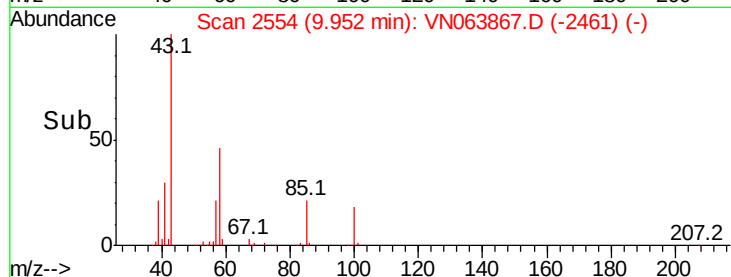
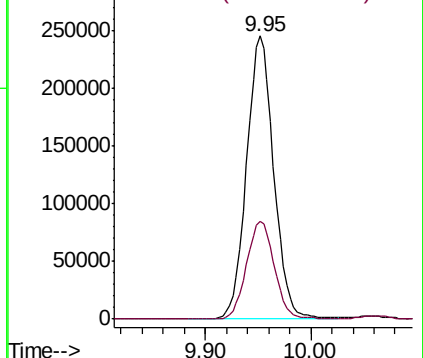
43 100

58 35.7 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.057 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063867.D

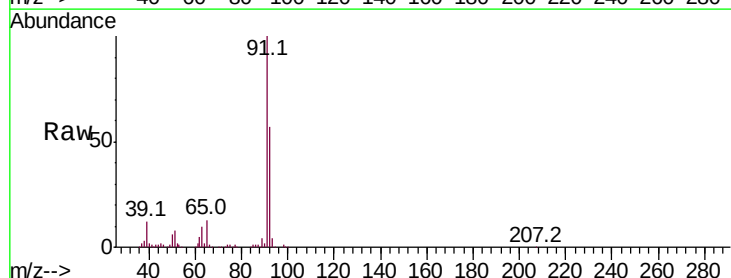
Acq: 5 Oct 2020 13:45

Tgt Ion: 92 Resp: 151911

Ion Ratio Lower Upper

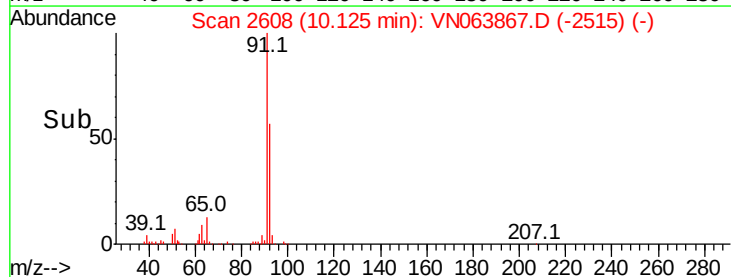
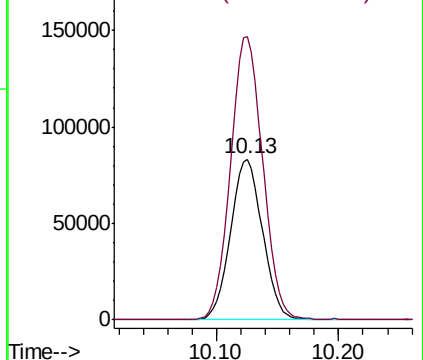
92 100

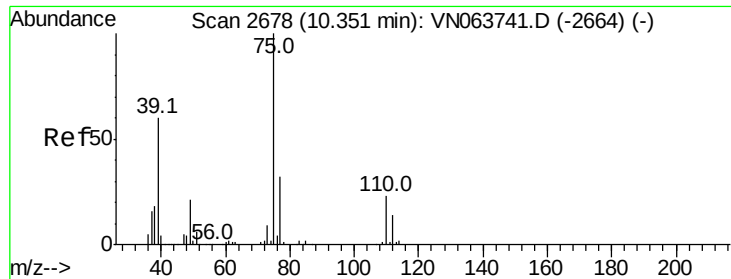
91 177.2 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.848 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

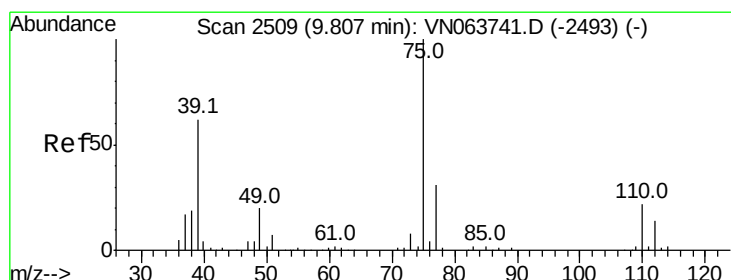
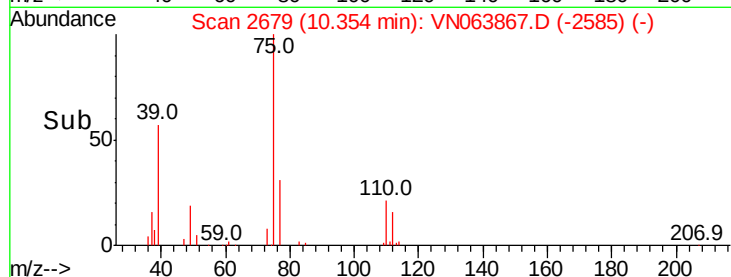
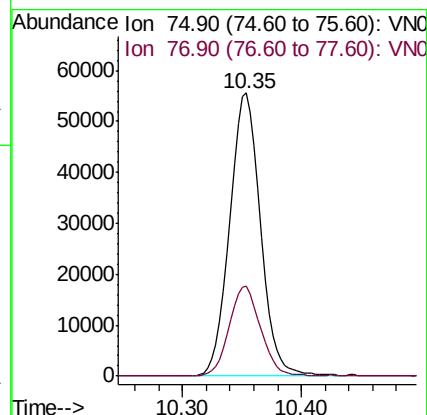
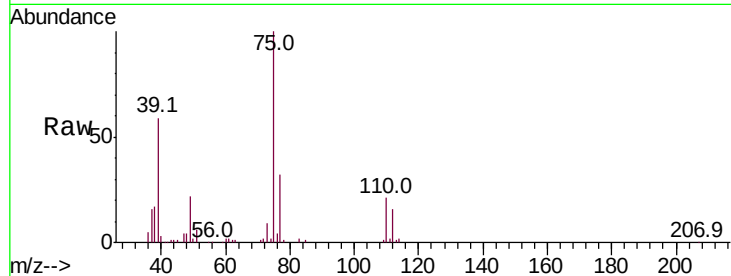
VN1005WBSD01

Tot Ion: 75 Resp: 99976

Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 19.225 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

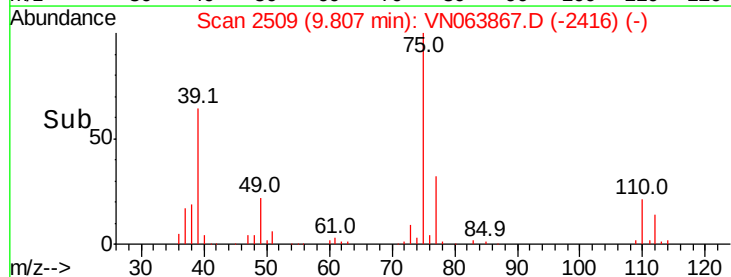
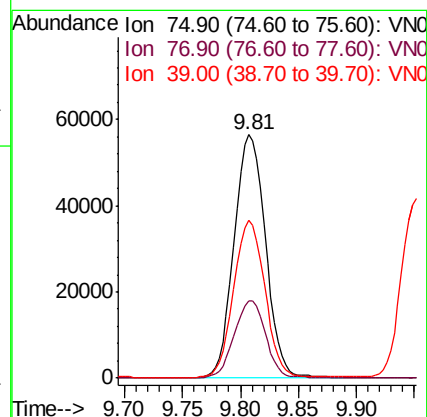
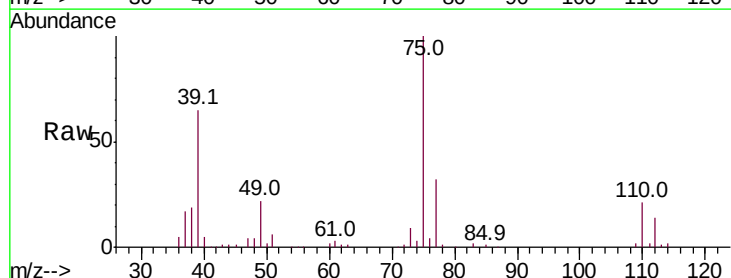
Tgt Ion: 75 Resp: 106652

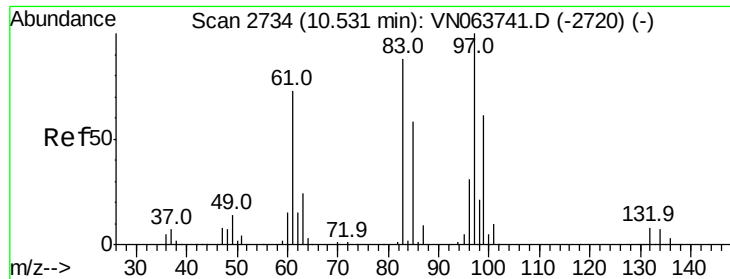
Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 64.8 49.7 74.5

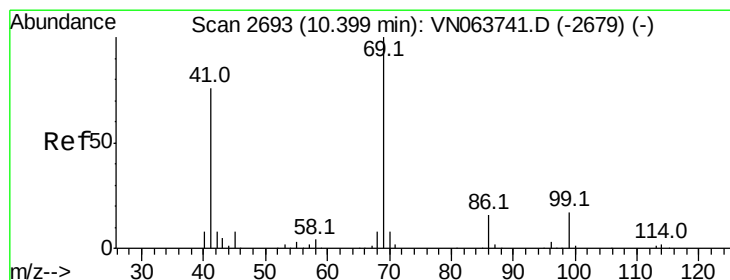
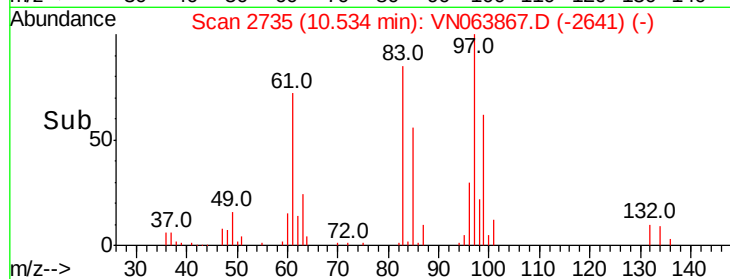
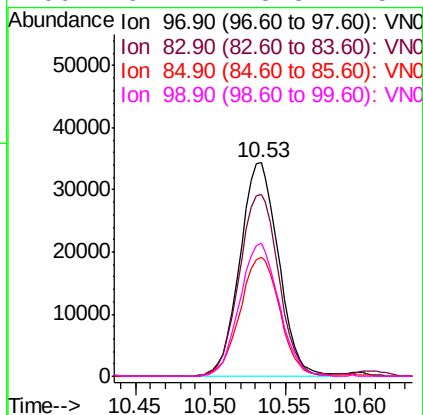
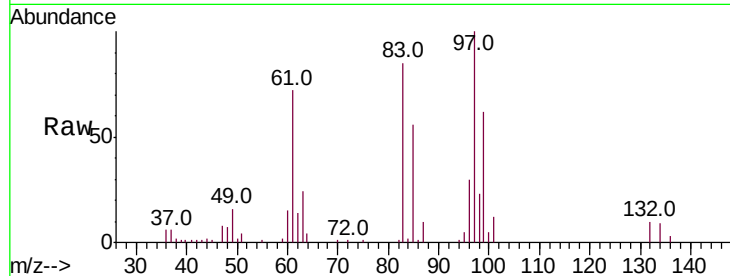




#55
 1,1,2-Trichloroethane
 Concen: 19.433 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

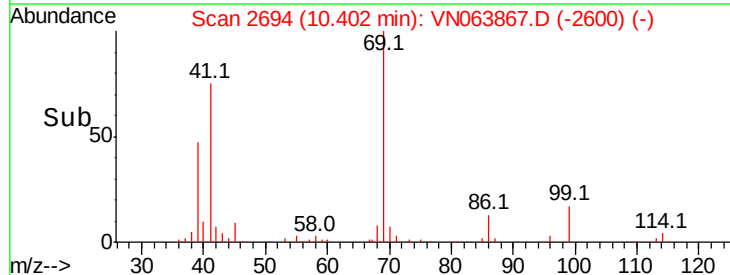
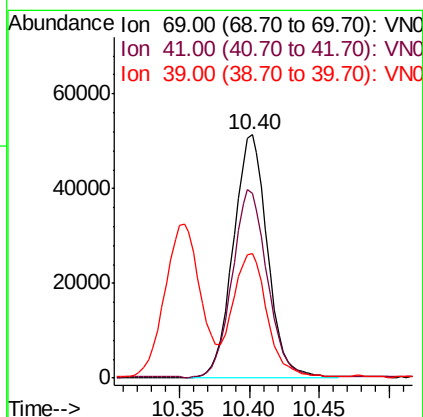
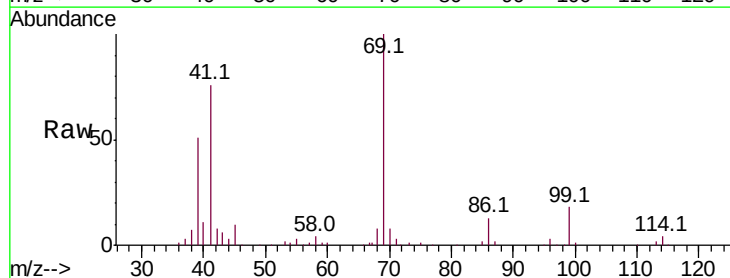
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

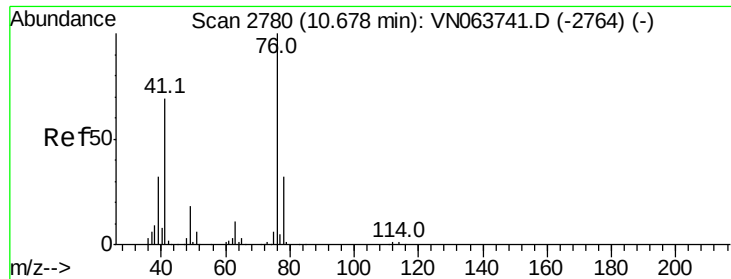
Tot Ion: 97 Resp: 62122
 Ion Ratio Lower Upper
 97 100
 83 85.3 70.7 106.1
 85 55.7 46.1 69.1
 99 62.2 48.8 73.2



#56
 Ethyl methacrylate
 Concen: 19.293 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

Tgt Ion: 69 Resp: 87422
 Ion Ratio Lower Upper
 69 100
 41 78.5 61.1 91.7
 39 50.2 42.2 63.4





#57

1,3-Dichloropropane

Concen: 19.365 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

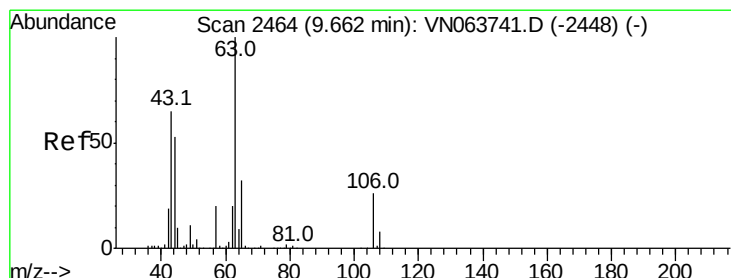
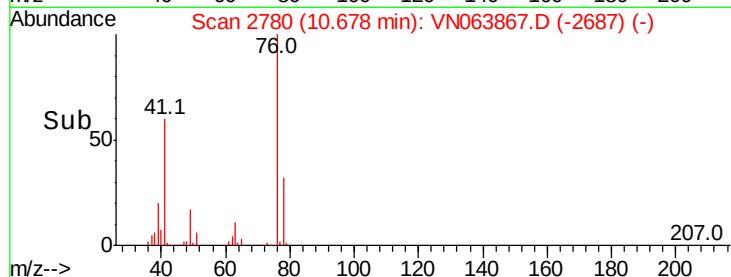
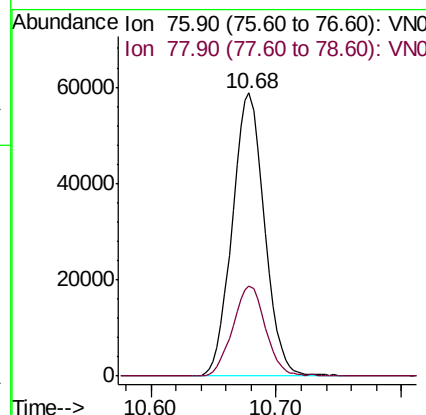
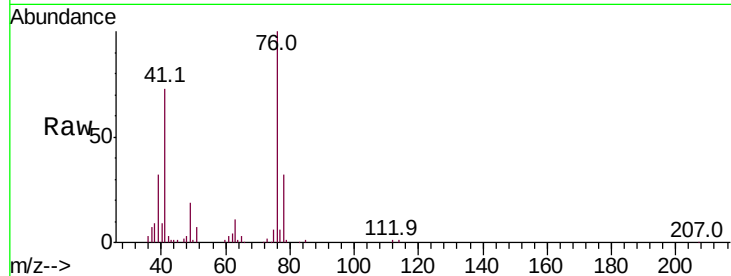
Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion: 76 Resp: 104734

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.2	37.8



#58

2-Chloroethyl Vinyl ether

Concen: 97.518 ug/l

RT: 9.66 min Scan# 2464

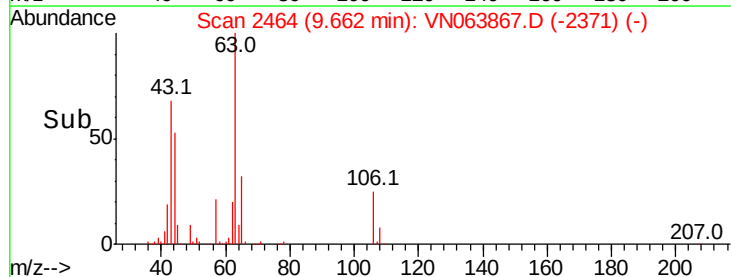
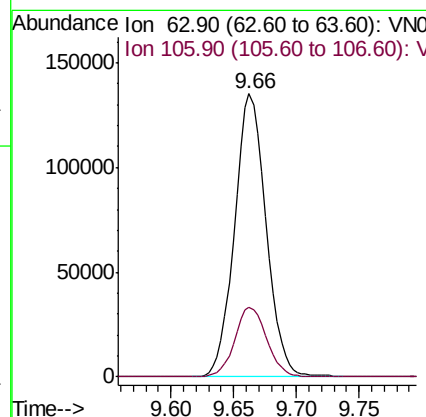
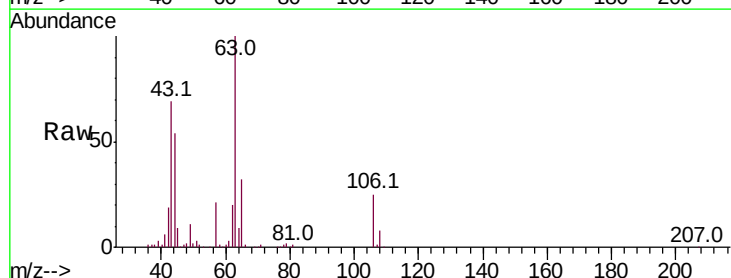
Delta R.T. 0.00 min

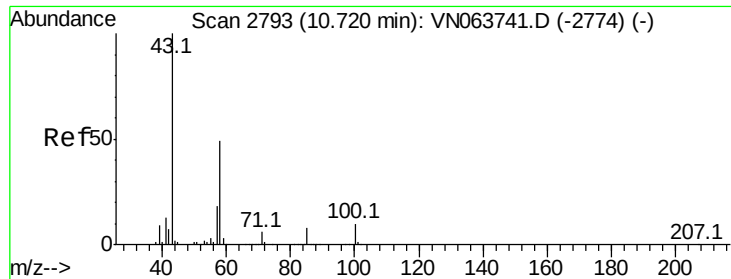
Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Tgt Ion: 63 Resp: 236371

Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.7	31.1





#59

2-Hexanone

Concen: 97.032 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

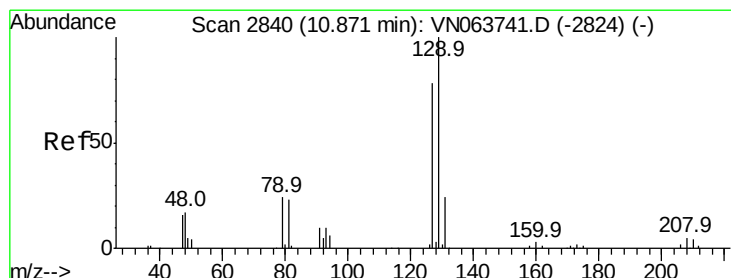
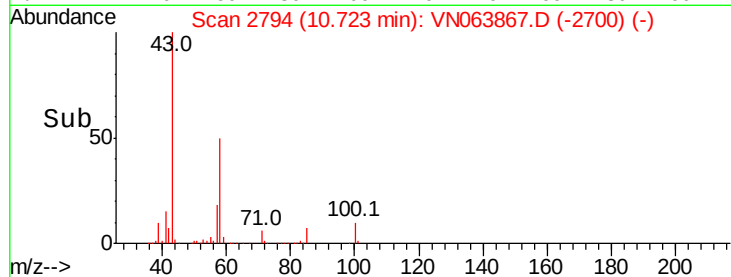
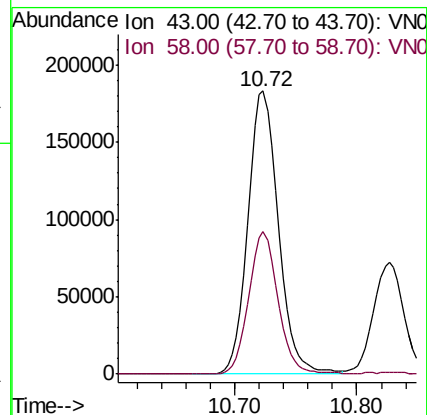
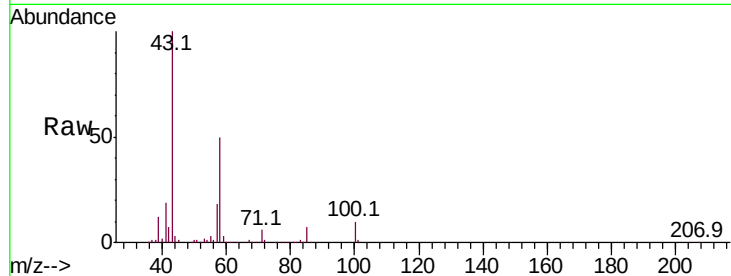
VN1005WBSD01

Tot Ion: 43 Resp: 312777

Ion Ratio Lower Upper

43 100

58 48.5 24.6 73.8



#60

Dibromochloromethane

Concen: 19.232 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN063867.D

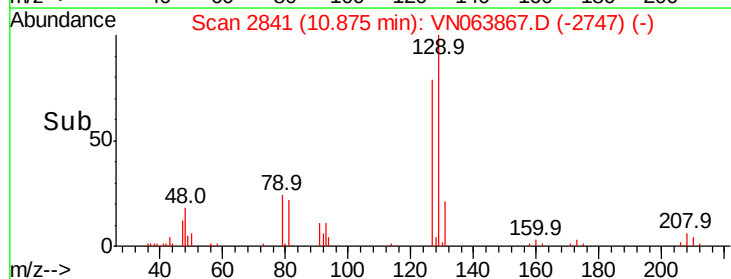
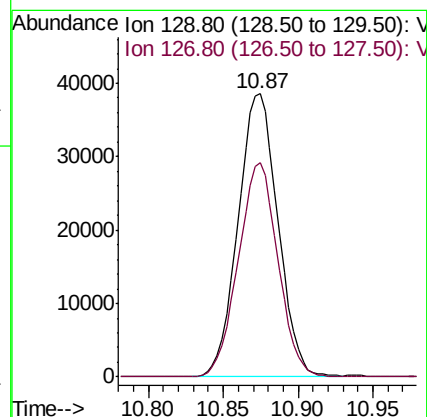
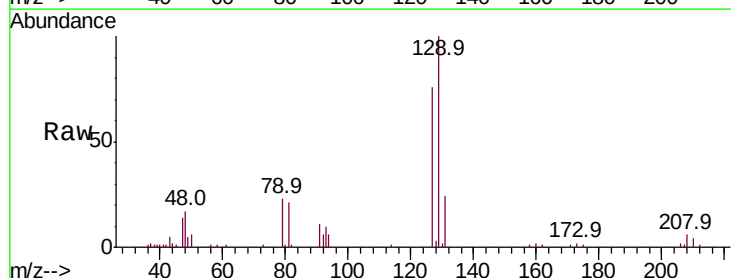
Acq: 5 Oct 2020 13:45

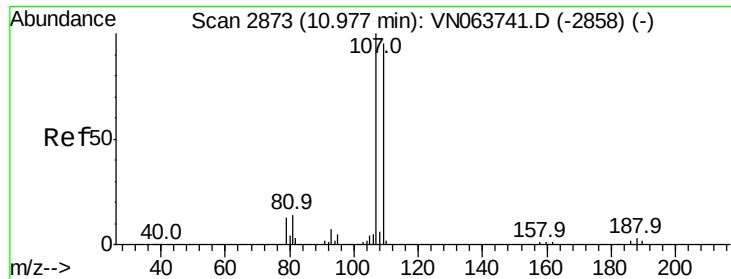
Tgt Ion: 129 Resp: 71598

Ion Ratio Lower Upper

129 100

127 75.2 38.9 116.7

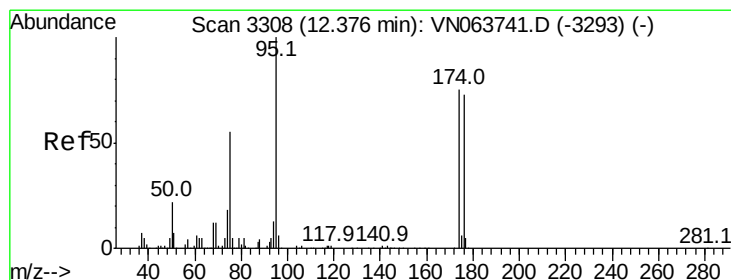
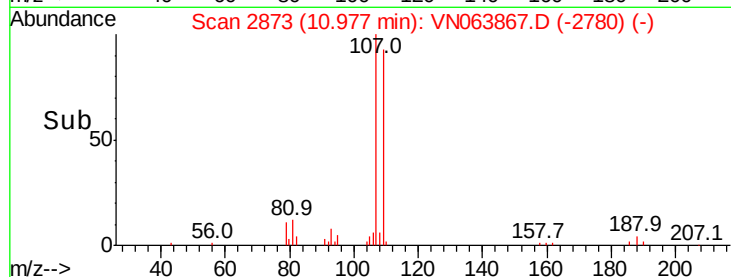
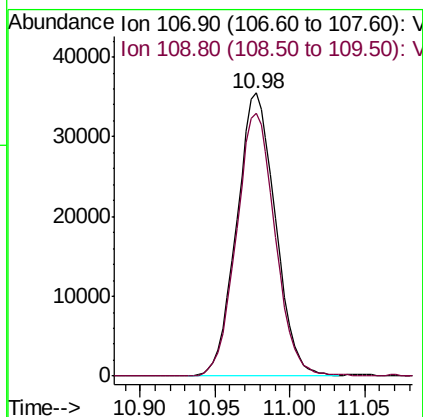
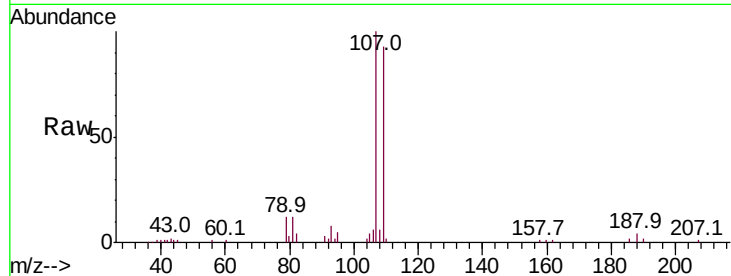




#61
 1,2-Dibromoethane
 Concen: 19.539 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

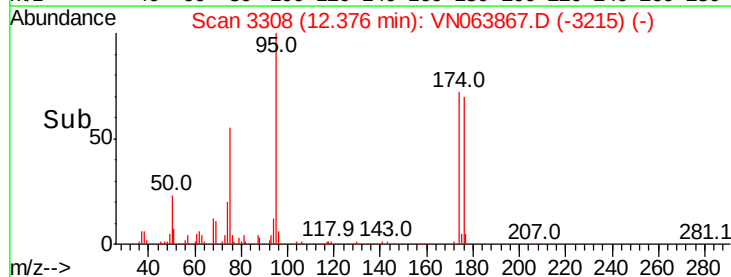
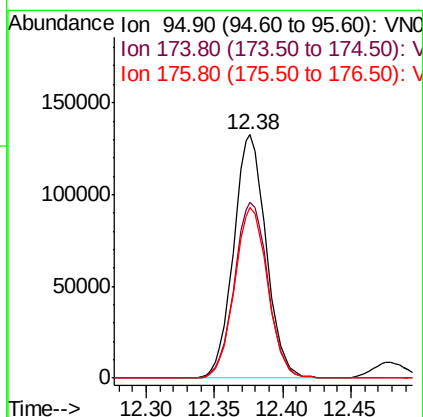
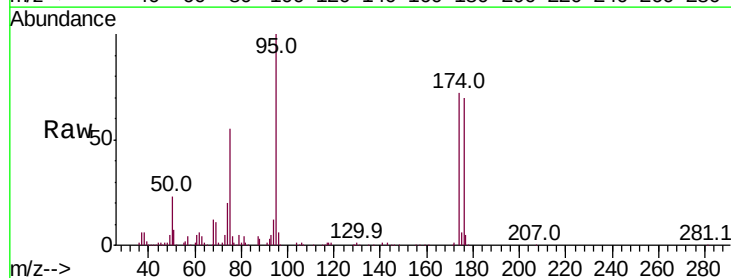
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

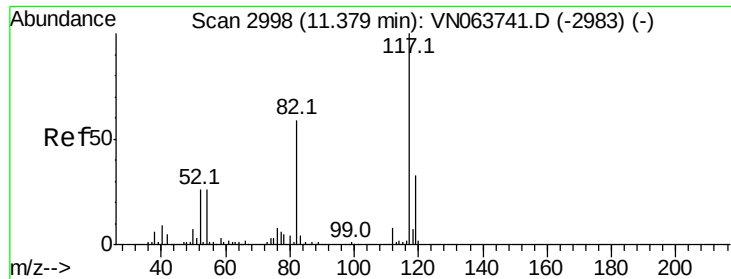
Tot Ion:107 Resp: 63894
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 49.801 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

Tgt Ion: 95 Resp: 219313
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 150.6
 176 71.5 0.0 145.4

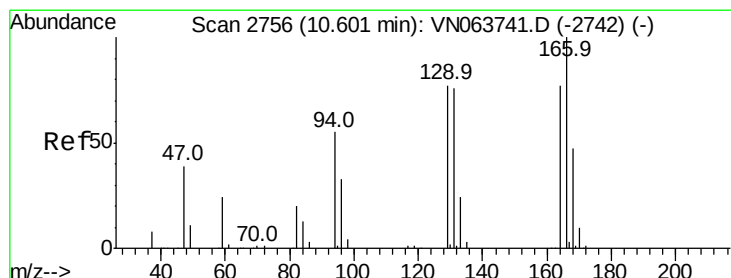
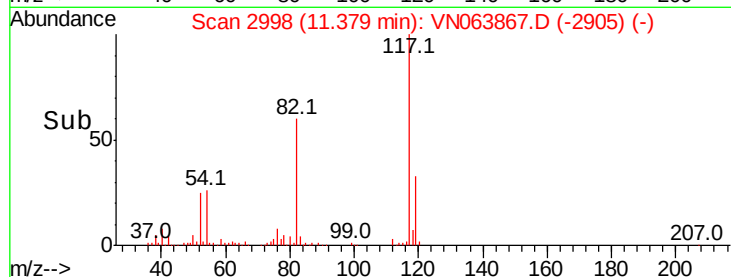
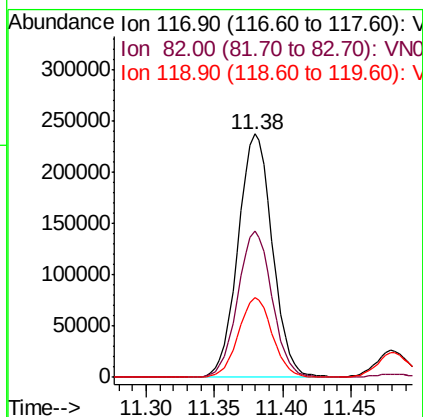
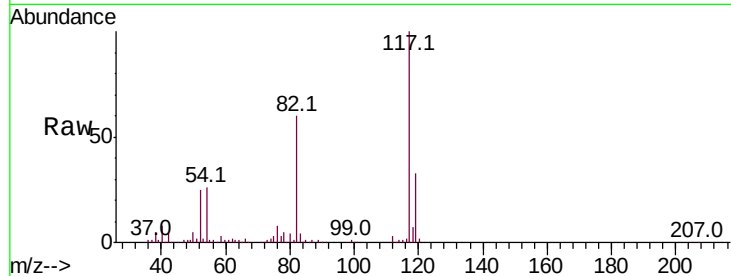




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

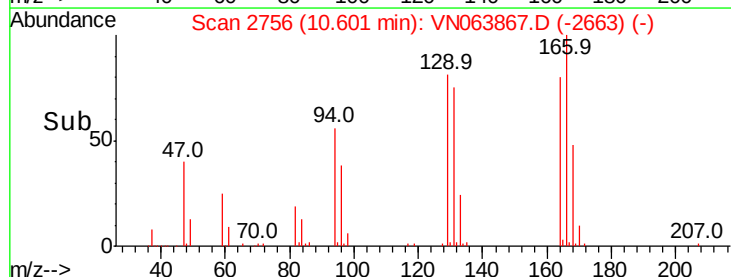
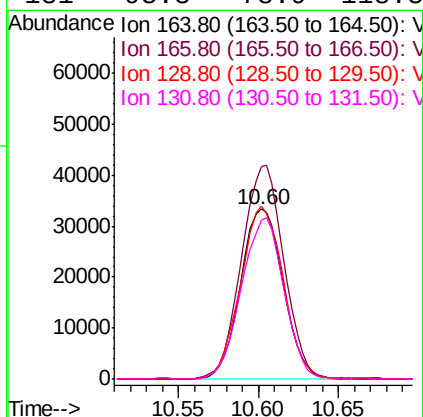
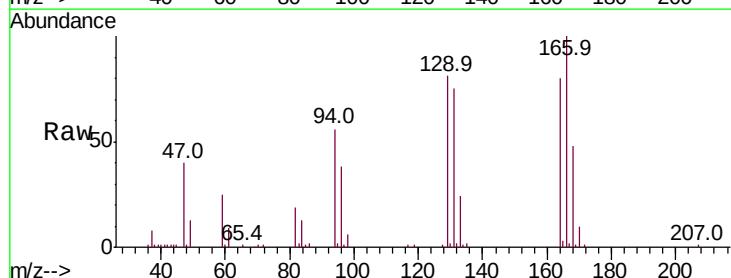
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

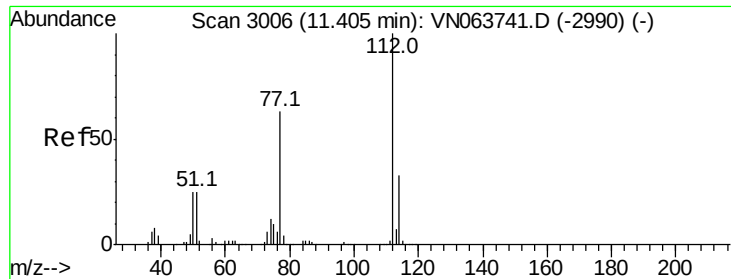
Tot Ion:117 Resp: 415323
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 32.6 26.4 39.6



#64
Tetrachloroethene
Concen: 18.895 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Tgt Ion:164 Resp: 60713
Ion Ratio Lower Upper
164 100
166 125.1 103.9 155.9
129 101.3 80.3 120.5
131 93.3 78.9 118.3

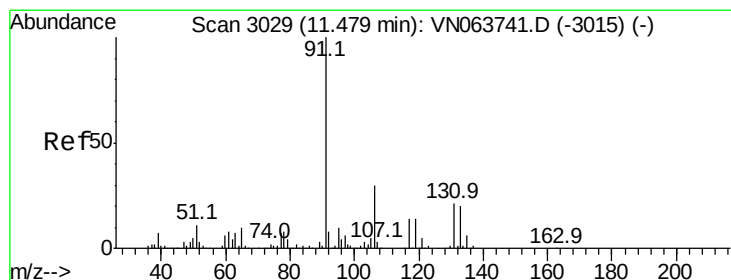
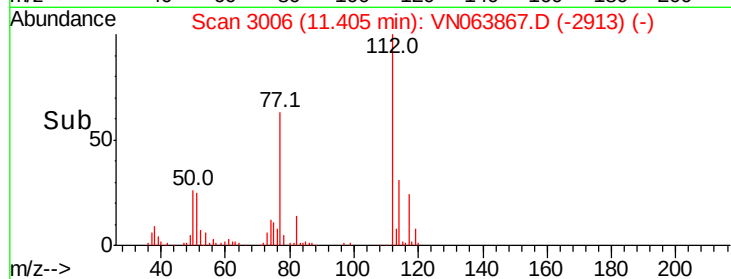
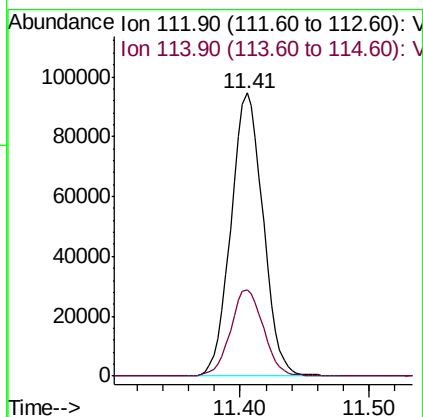
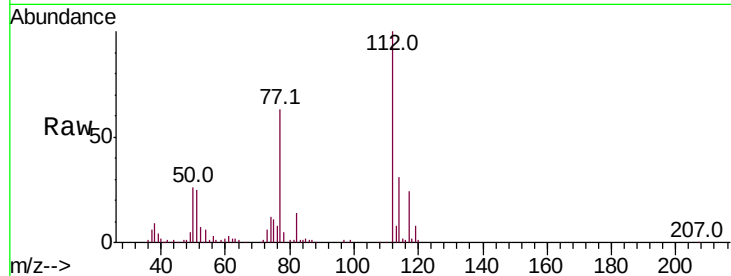




#65
Chlorobenzene
Concen: 19.199 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

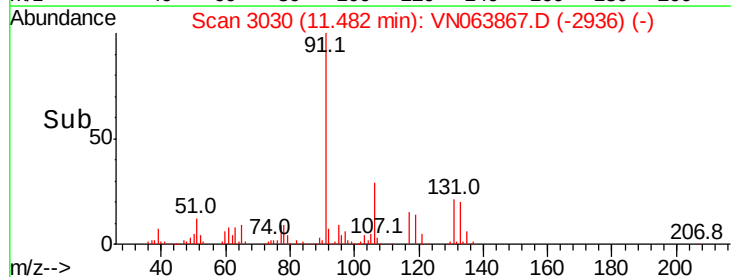
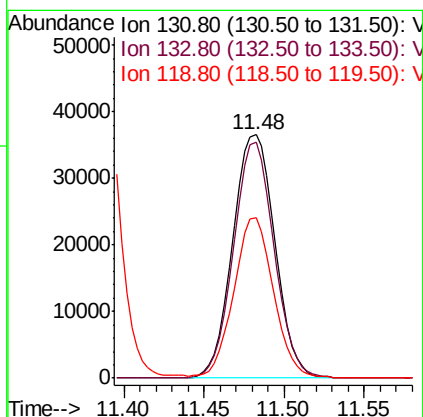
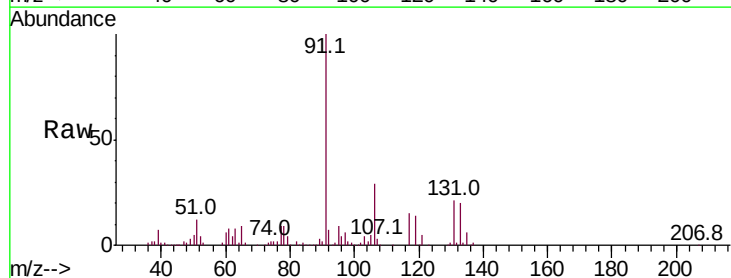
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

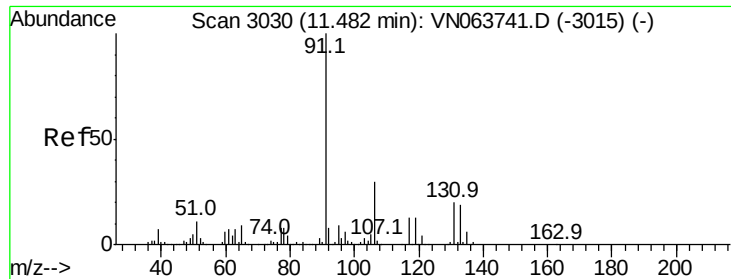
Tot Ion:112 Resp: 163563
Ion Ratio Lower Upper
112 100
114 30.5 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.101 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Tgt Ion:131 Resp: 65653
Ion Ratio Lower Upper
131 100
133 93.4 47.3 141.8
119 62.0 32.6 97.7

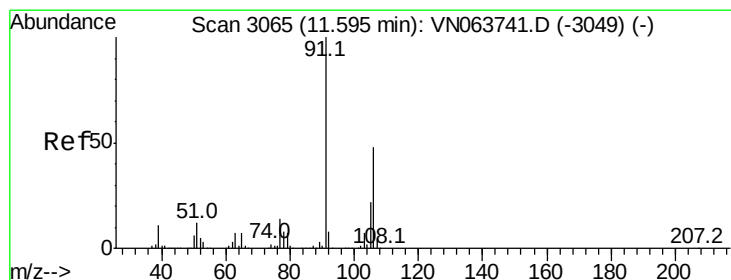
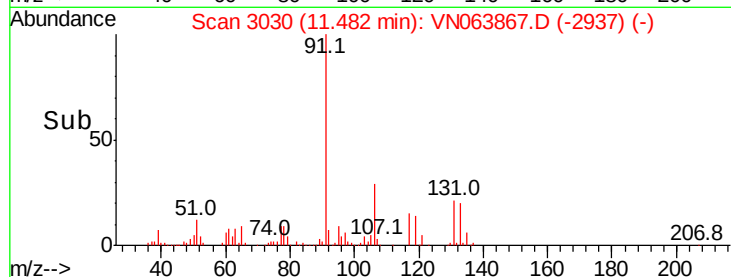
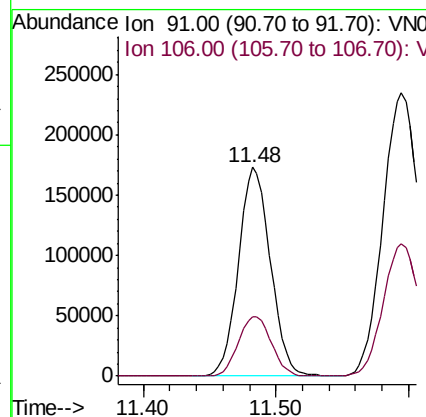
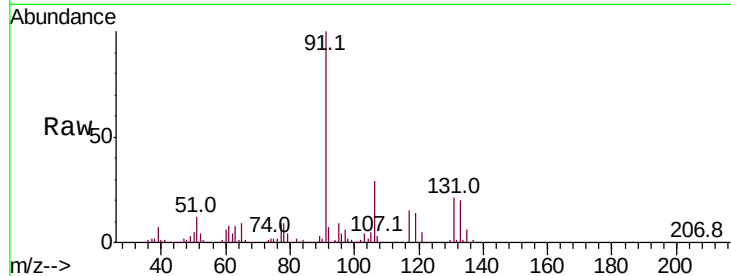




#67
Ethyl Benzene
Concen: 18.675 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

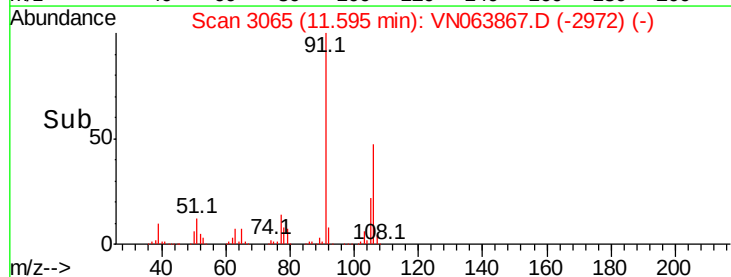
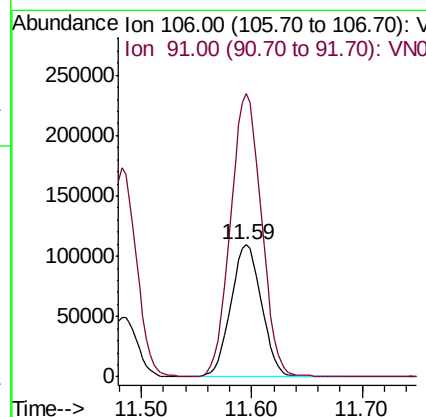
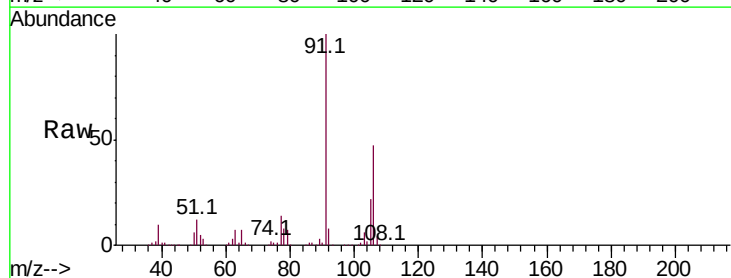
Instrument :
MSVOA_N
ClientSampled :
VN1005WBSD01

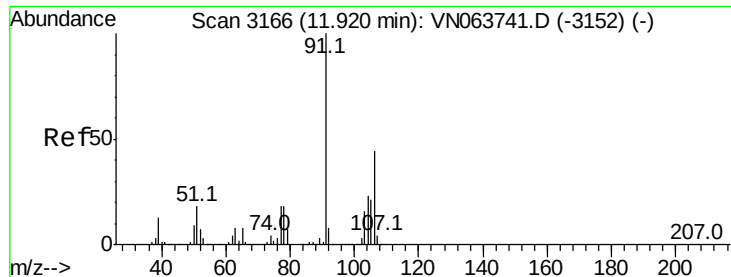
Tot Ion: 91 Resp: 289512
Ion Ratio Lower Upper
91 100
106 28.6 24.2 36.2



#68
m/p-Xylenes
Concen: 36.718 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Tgt Ion: 106 Resp: 212146
Ion Ratio Lower Upper
106 100
91 214.6 168.0 252.0

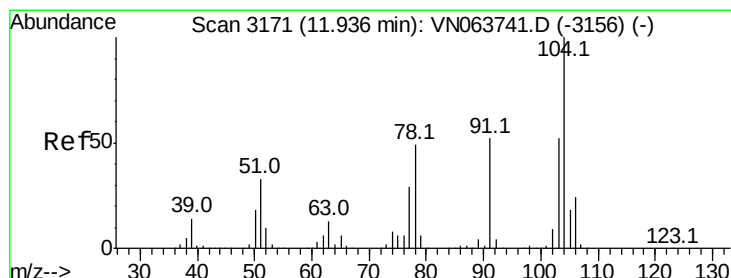
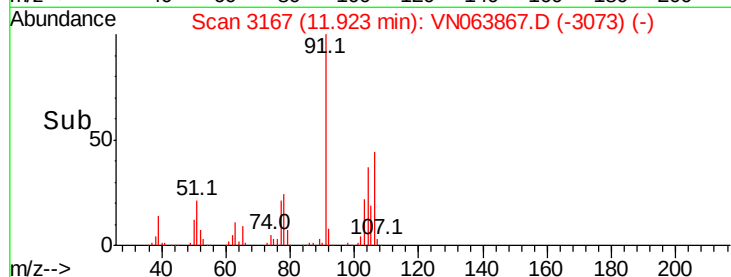
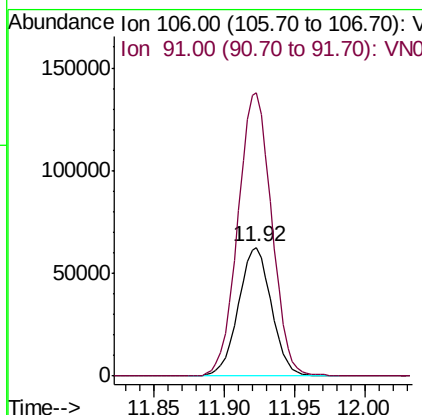
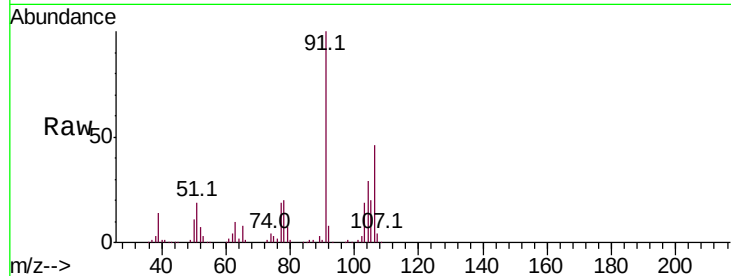




#69
o-Xylene
Concen: 19.119 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

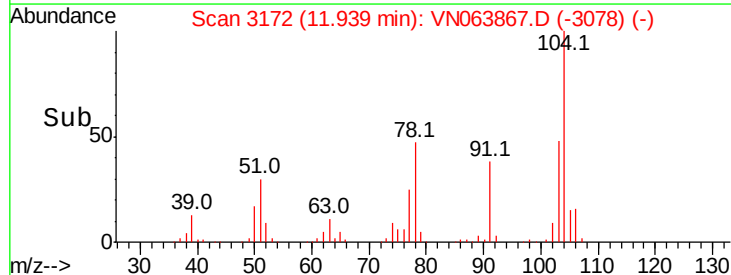
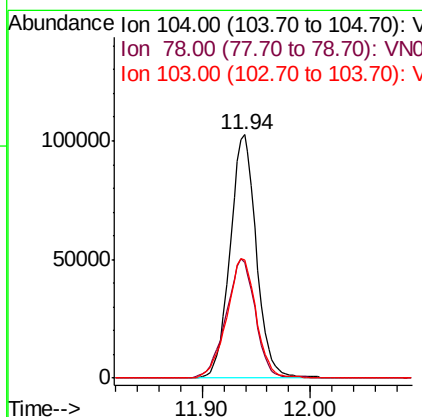
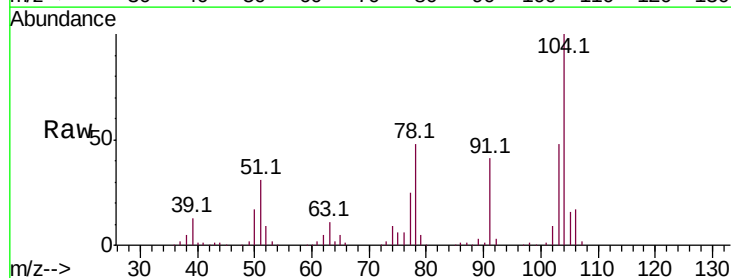
Instrument :
MSVOA_N
ClientSampled :
VN1005WBSD01

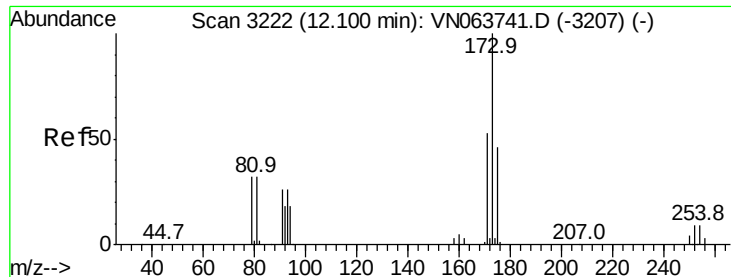
Tot Ion:106 Resp: 103247
Ion Ratio Lower Upper
106 100
91 224.7 112.7 338.0



#70
Styrene
Concen: 19.035 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Tgt Ion:104 Resp: 174494
Ion Ratio Lower Upper
104 100
78 54.1 44.1 66.1
103 54.4 44.3 66.5





#71

Bromoform

Concen: 18.569 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampled :

VN1005WBSD01

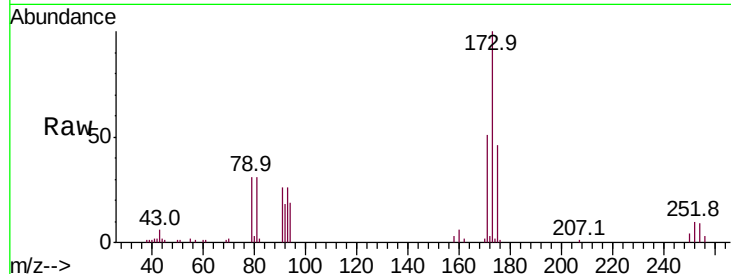
Tot Ion:173 Resp: 46384

Ion Ratio Lower Upper

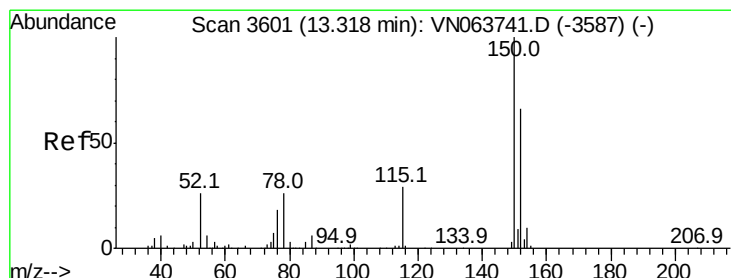
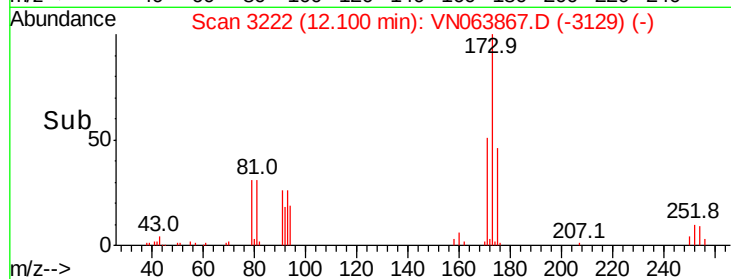
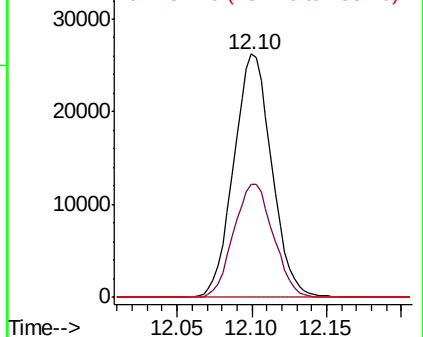
173 100

175 48.3 23.5 70.5

254 0.0 0.0 0.0



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: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

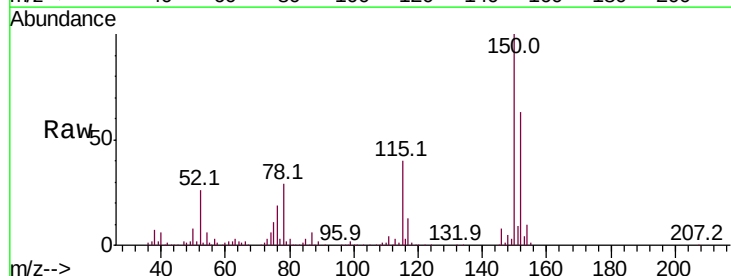
Tgt Ion:152 Resp: 193353

Ion Ratio Lower Upper

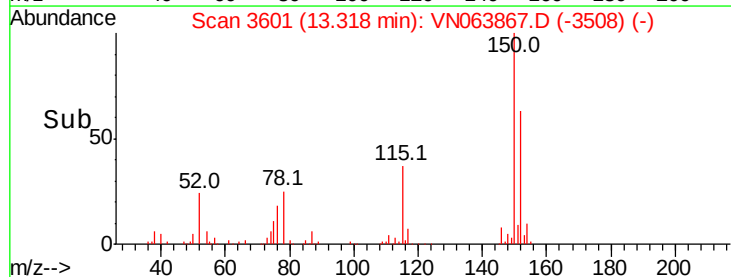
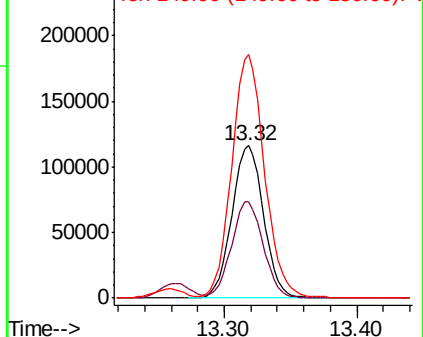
152 100

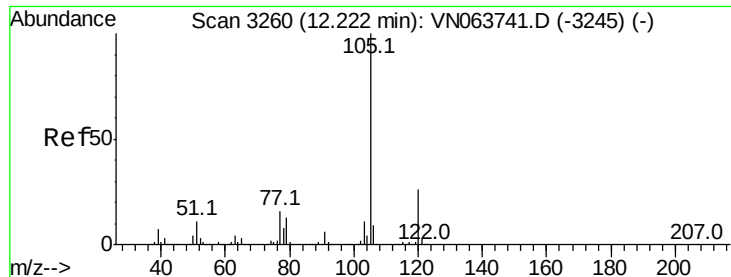
115 62.4 31.3 93.8

150 163.8 0.0 341.8



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: 19.227 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

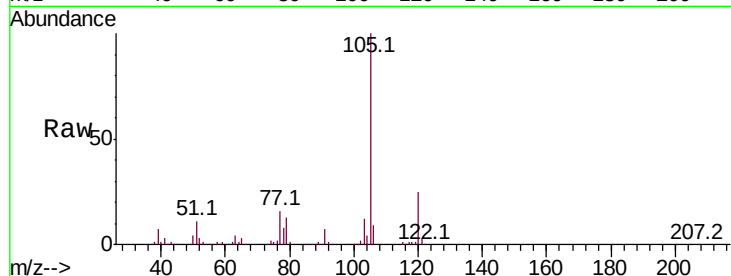
VN1005WBSD01

Tot Ion:105 Resp: 271157

Ion Ratio Lower Upper

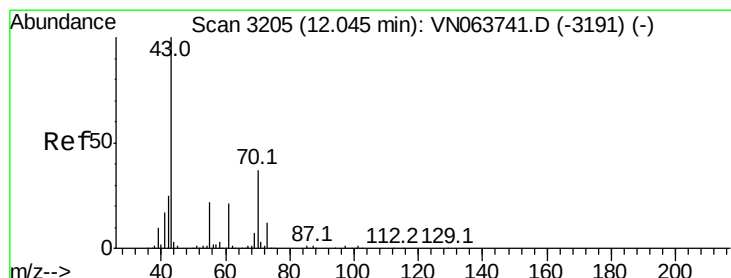
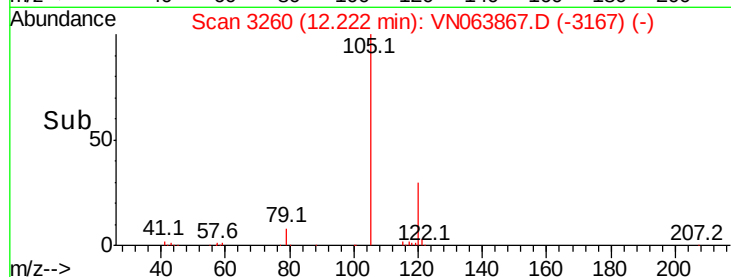
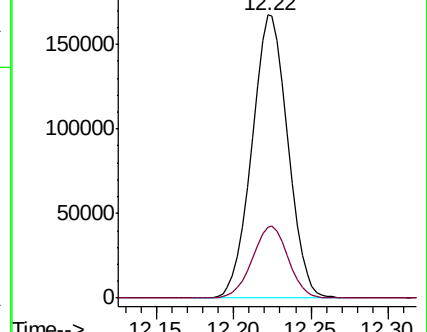
105 100

120 25.4 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.514 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Tgt Ion: 43 Resp: 118641

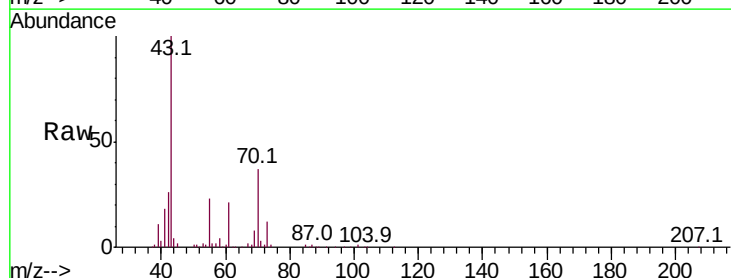
Ion Ratio Lower Upper

43 100

70 37.0 29.8 44.8

55 22.7 17.9 26.9

61 20.5 17.0 25.4

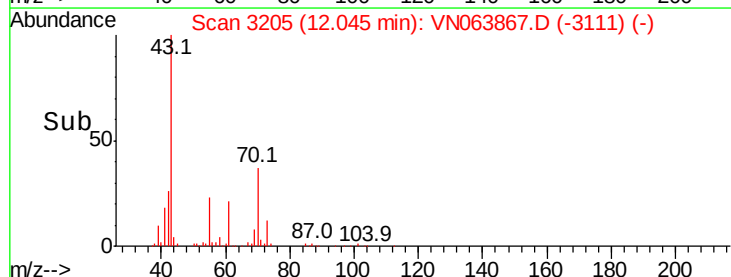
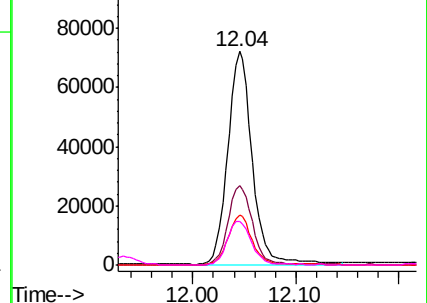


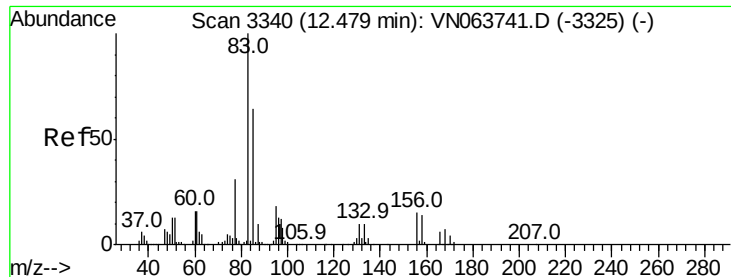
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.251 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

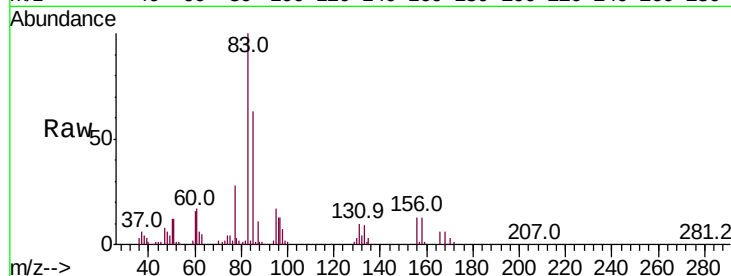
Tot Ion: 83 Resp: 87336

Ion Ratio Lower Upper

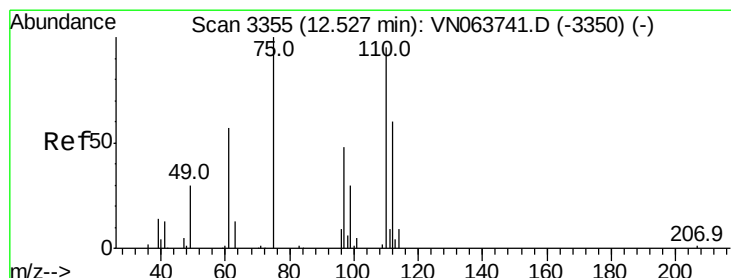
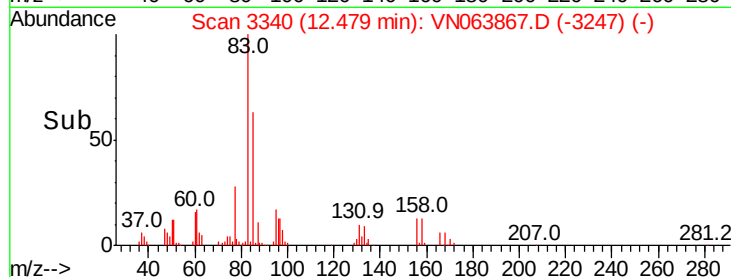
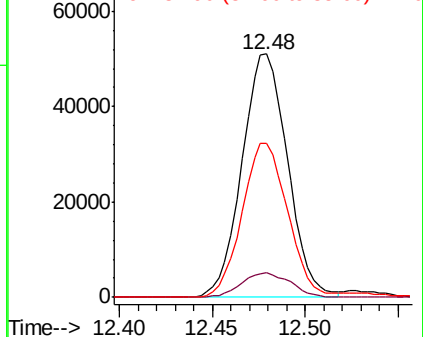
83 100

131 10.8 5.3 15.8

85 65.4 31.3 93.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 28.344 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063867.D

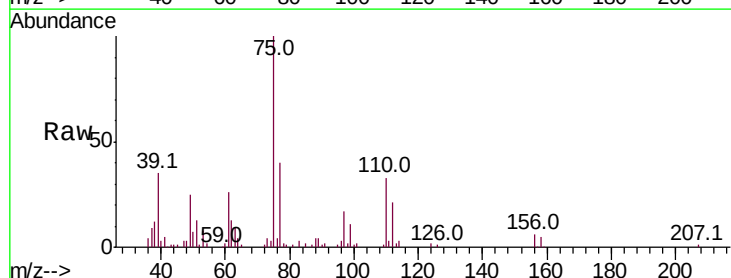
Acq: 5 Oct 2020 13:45

Tgt Ion: 75 Resp: 120808

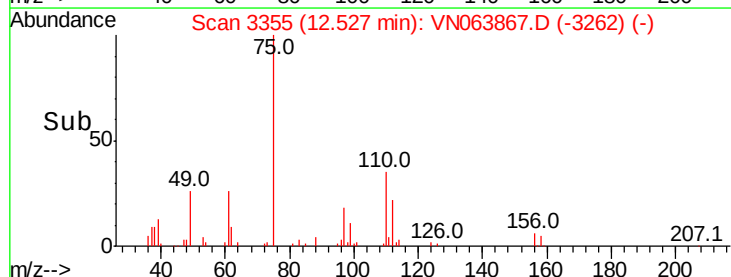
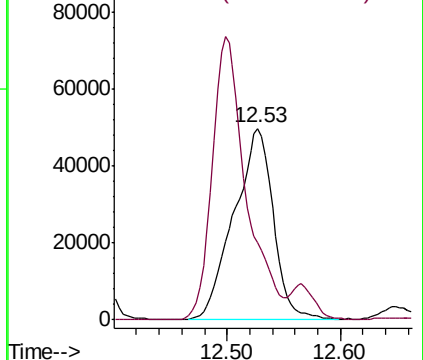
Ion Ratio Lower Upper

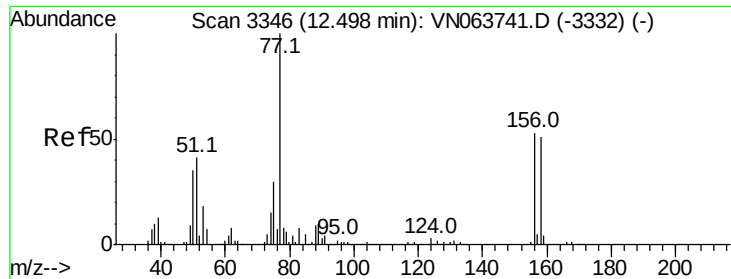
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.062 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampled :

VN1005WBSD01

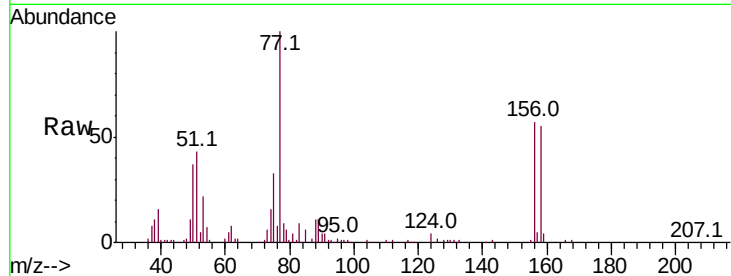
Tot Ion:156 Resp: 69424

Ion Ratio Lower Upper

156 100

77 219.8 110.9 332.7

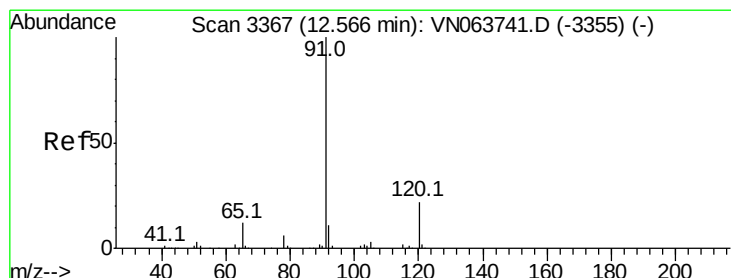
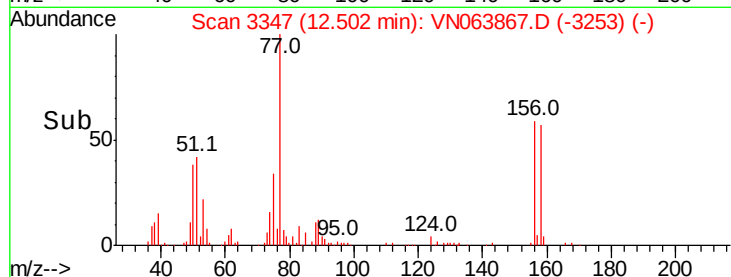
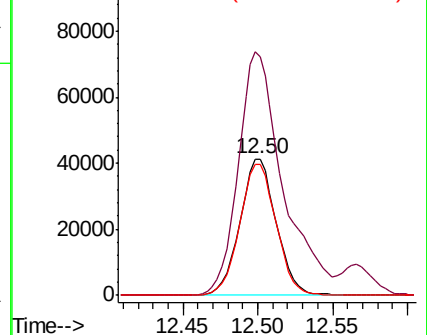
158 96.8 47.7 143.1



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: 18.596 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063867.D

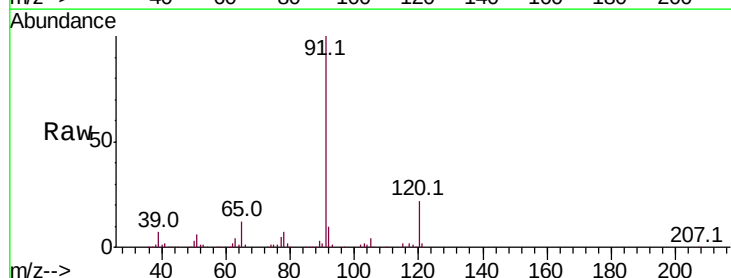
Acq: 5 Oct 2020 13:45

Tgt Ion: 91 Resp: 305224

Ion Ratio Lower Upper

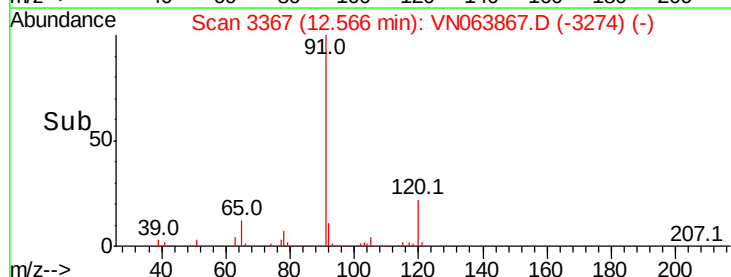
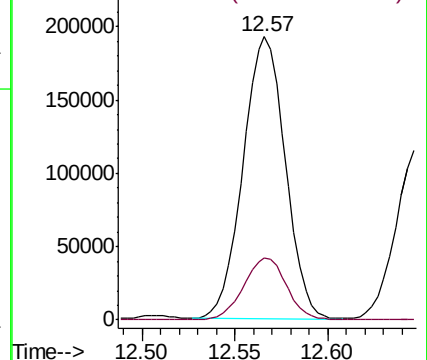
91 100

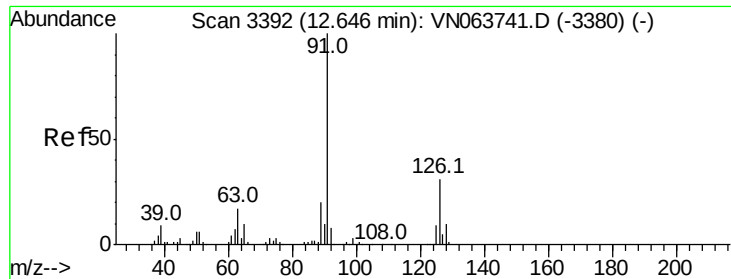
120 22.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.197 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

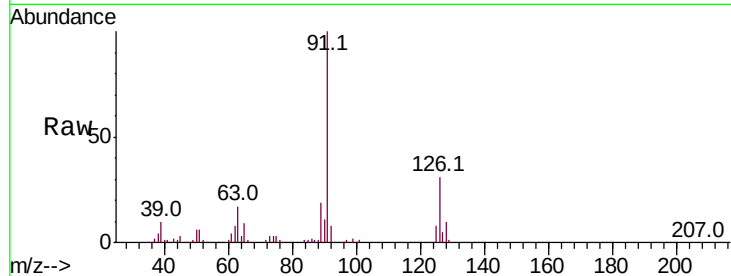
VN1005WBSD01

Tot Ion: 91 Resp: 193785

Ion Ratio Lower Upper

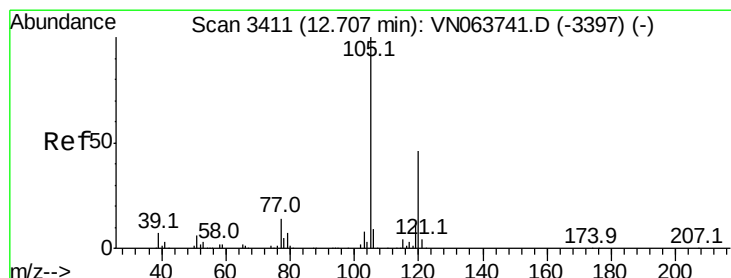
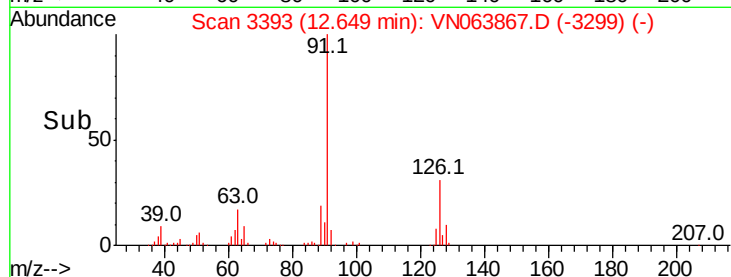
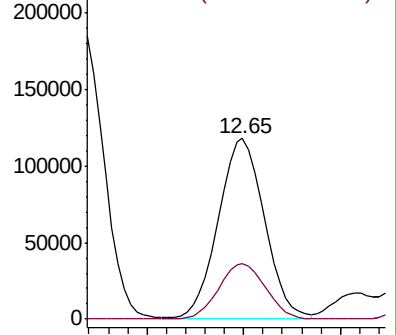
91 100

126 31.6 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.235 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063867.D

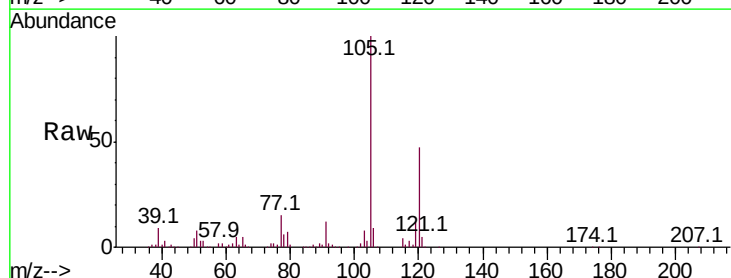
Acq: 5 Oct 2020 13:45

Tgt Ion:105 Resp: 227582

Ion Ratio Lower Upper

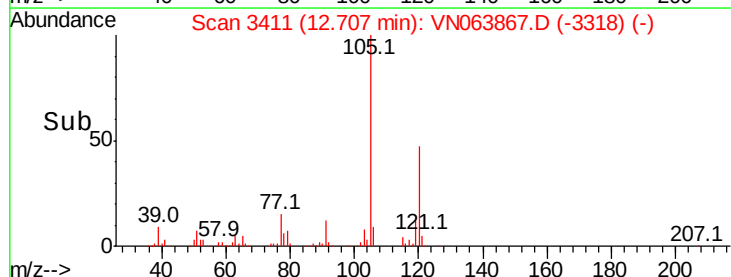
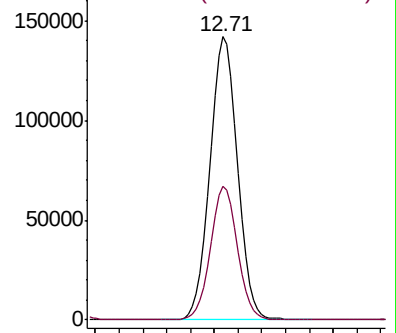
105 100

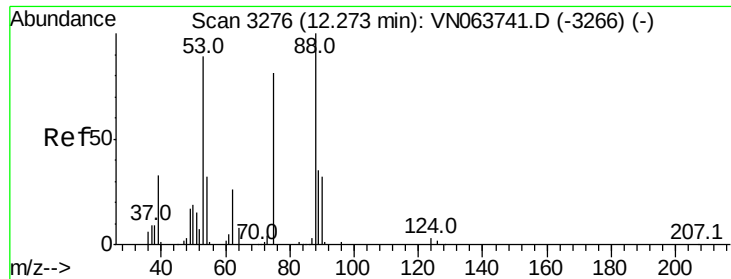
120 46.1 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

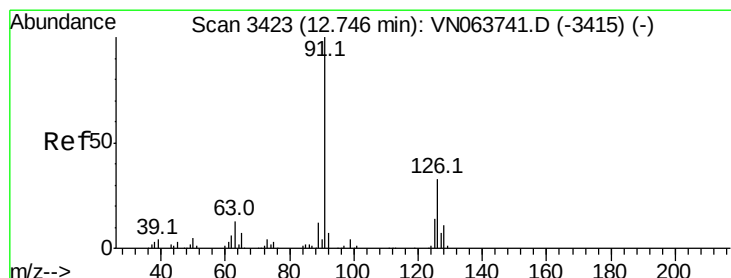
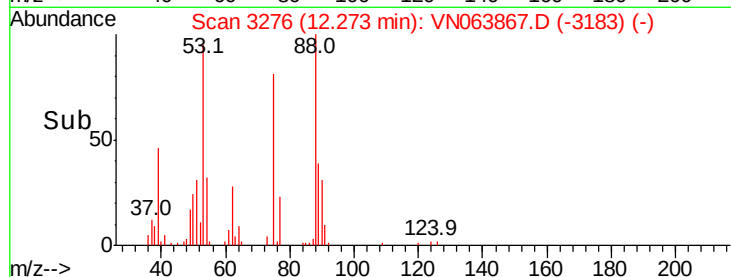
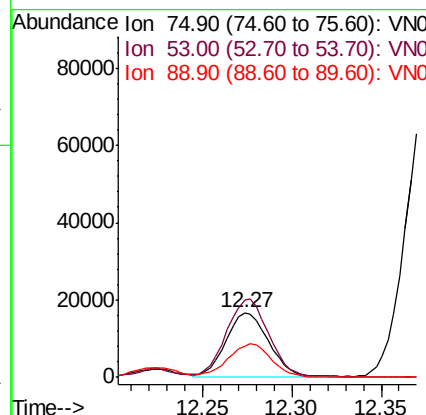
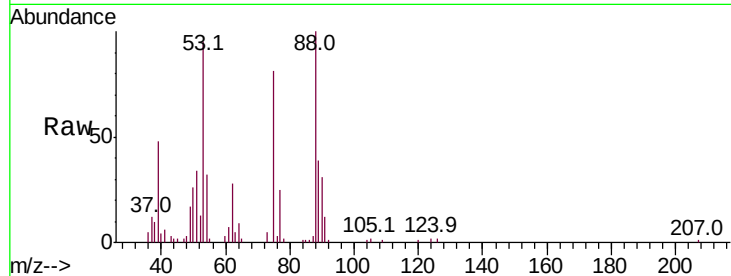




#81
trans-1,4-Dichloro-2-butene
Concen: 19.087 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

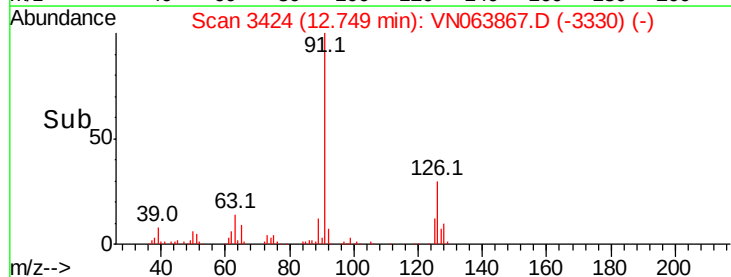
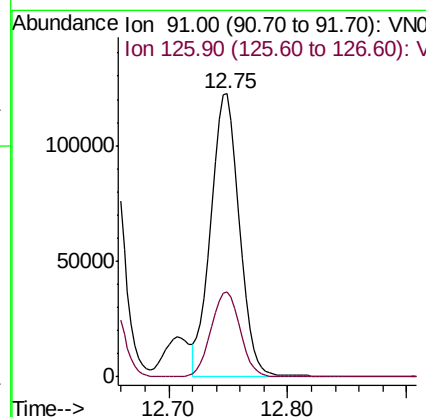
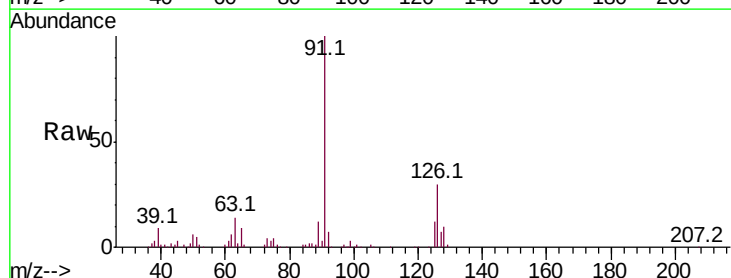
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

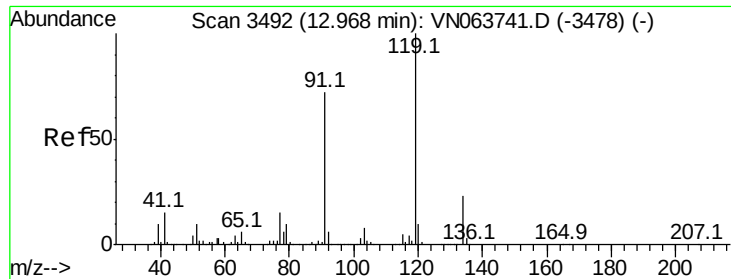
Tot Ion: 75 Resp: 28247
Ion Ratio Lower Upper
75 100
53 115.2 88.2 132.2
89 51.7 36.0 54.0



#82
4-Chlorotoluene
Concen: 19.406 ug/l
RT: 12.75 min Scan# 3424
Delta R.T. 0.00 min
Lab File: VN063867.D
Acq: 5 Oct 2020 13:45

Tgt Ion: 91 Resp: 203355
Ion Ratio Lower Upper
91 100
126 30.6 15.4 46.2

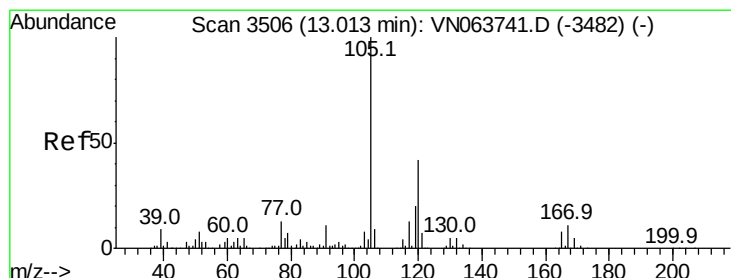
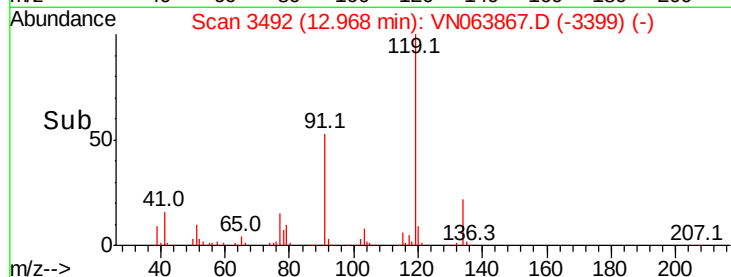
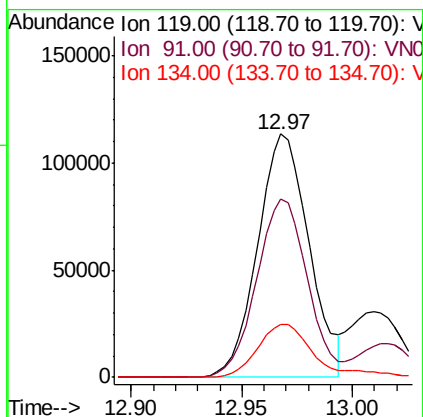
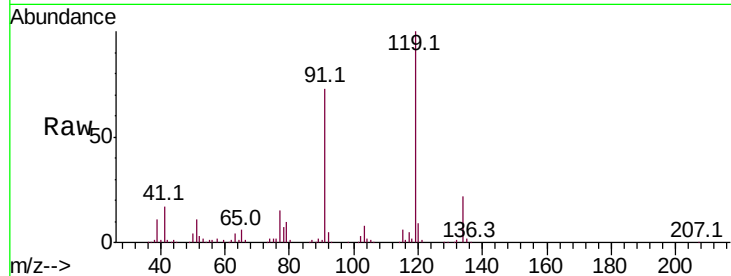




#83
 tert-Butylbenzene
 Concen: 18.981 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

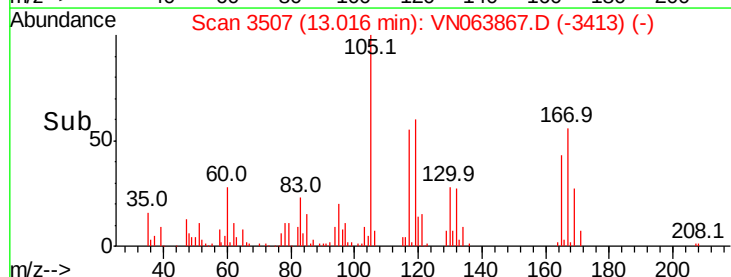
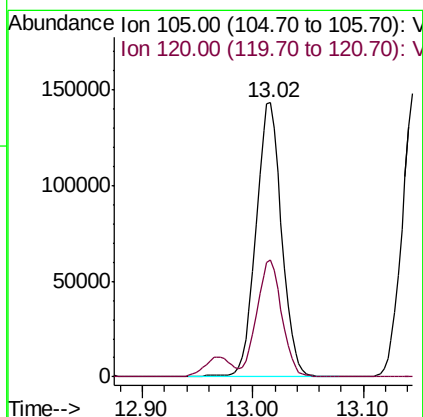
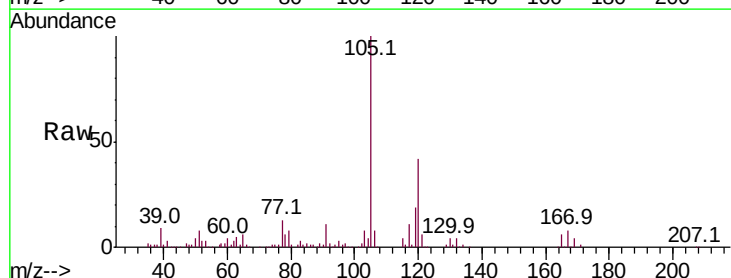
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1005WBSD01

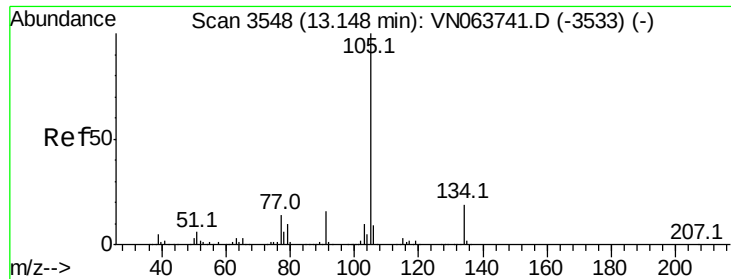
Tot Ion:119 Resp: 183703
 Ion Ratio Lower Upper
 119 100
 91 73.0 35.5 106.5
 134 24.3 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.596 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

Tgt Ion:105 Resp: 231481
 Ion Ratio Lower Upper
 105 100
 120 41.6 20.9 62.7





#85

sec-Butylbenzene

Concen: 18.504 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

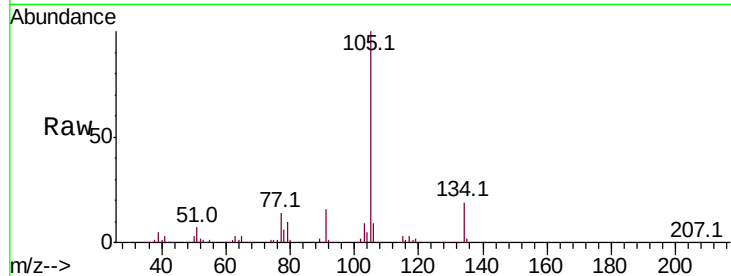
VN1005WBSD01

Tot Ion:105 Resp: 235214

Ion Ratio Lower Upper

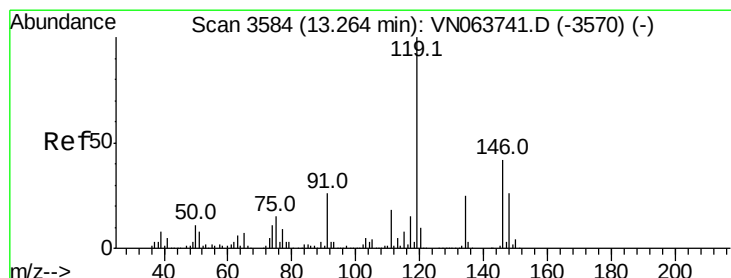
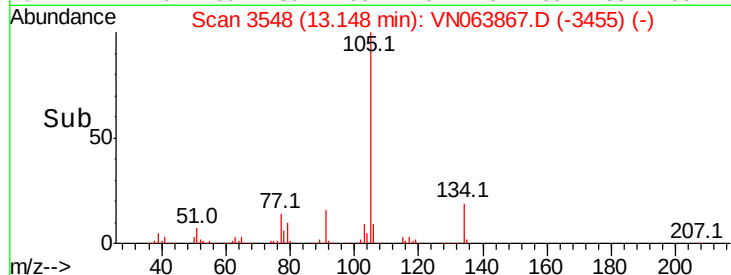
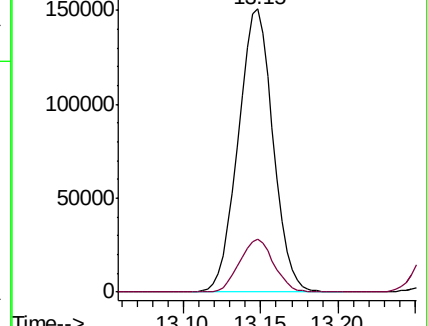
105 100

134 18.5 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.696 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

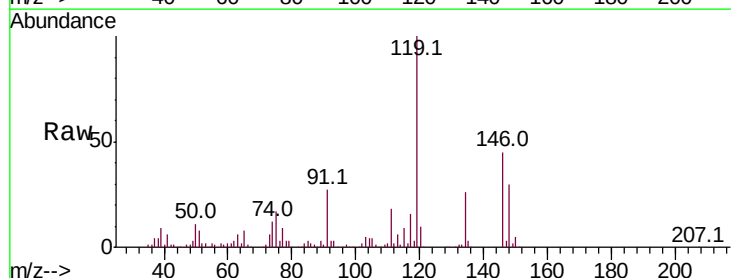
Tgt Ion:119 Resp: 210244

Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.8

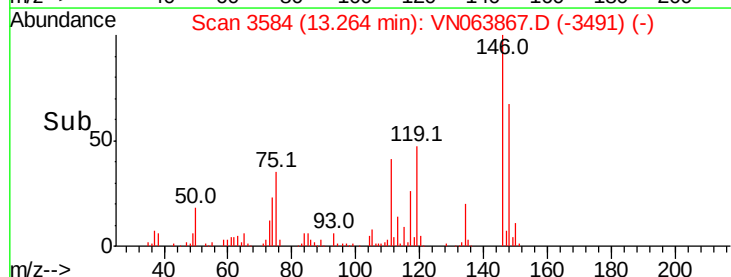
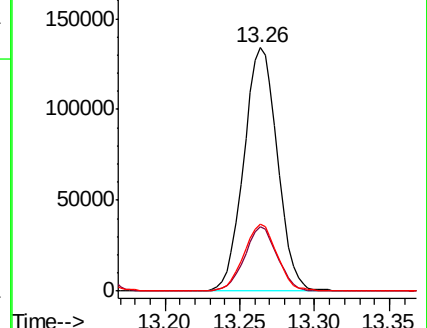
91 27.3 13.4 40.2

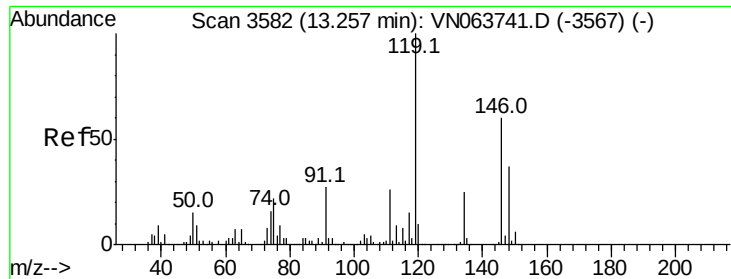


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

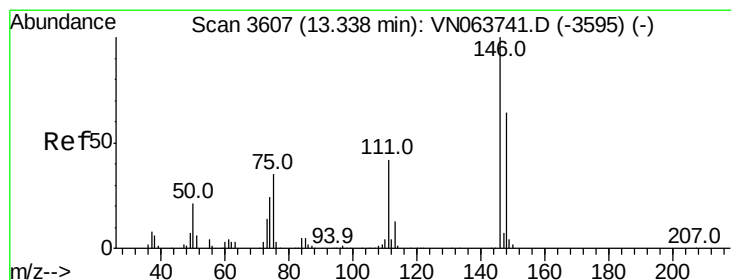
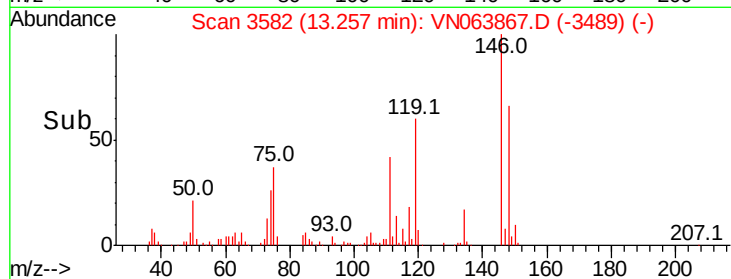
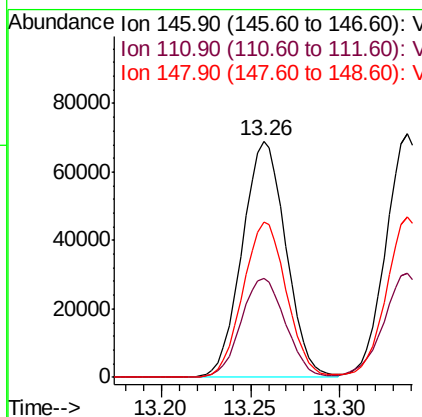
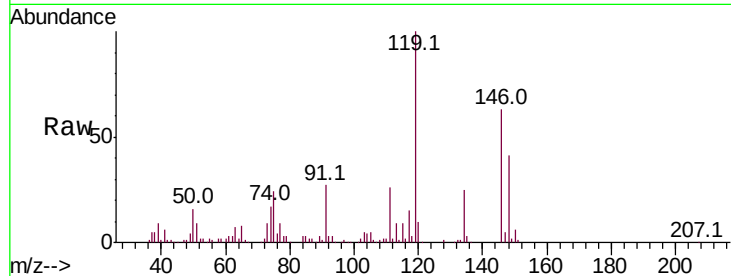




#87
 1,3-Dichlorobenzene
 Concen: 18.956 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

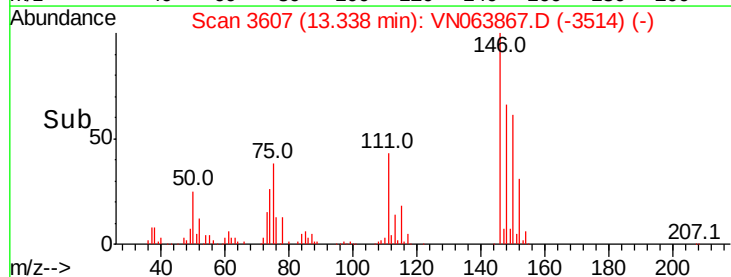
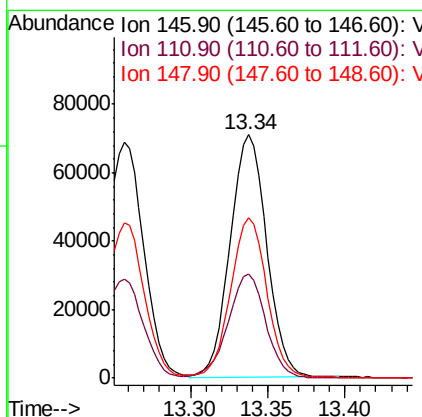
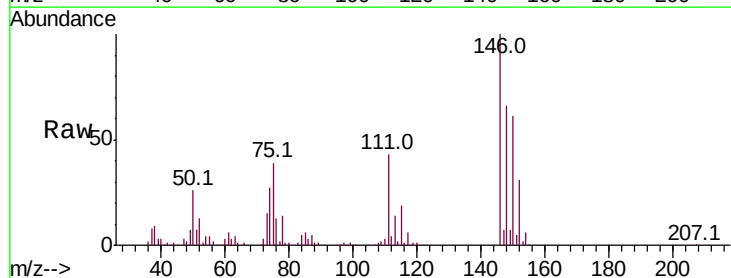
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

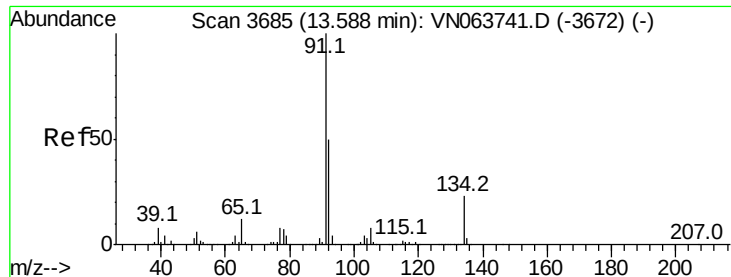
Tot Ion:146 Resp: 118674
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.5 64.5
 148 65.2 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 17.850 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

Tgt Ion:146 Resp: 116353
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.3 63.7
 148 65.6 32.0 96.0





#89

n-Butylbenzene

Concen: 16.831 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

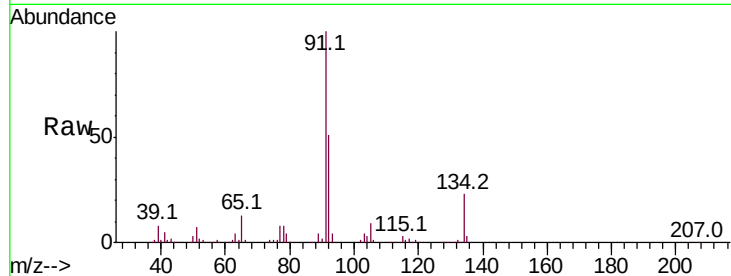
Tot Ion: 91 Resp: 174692

Ion Ratio Lower Upper

91 100

92 50.3 25.4 76.4

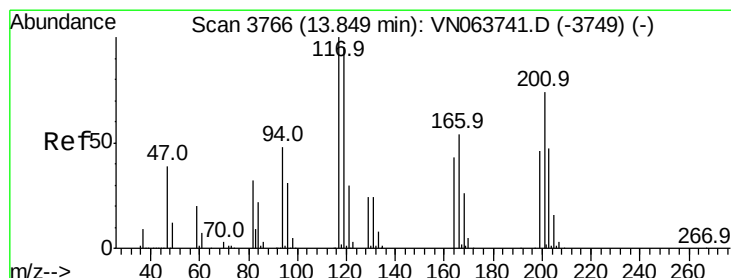
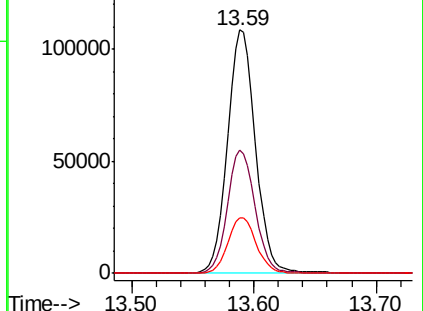
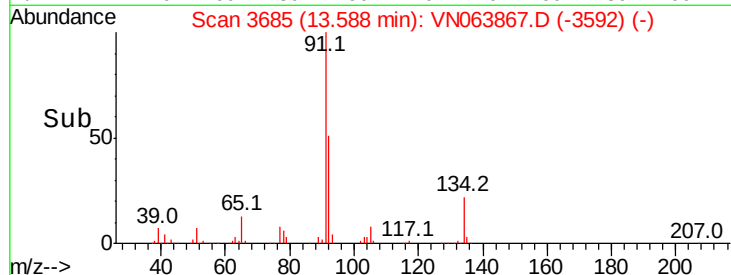
134 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VN063867.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN063867.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN063867.D (-3592) (-)



#90

Hexachloroethane

Concen: 18.470 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN063867.D

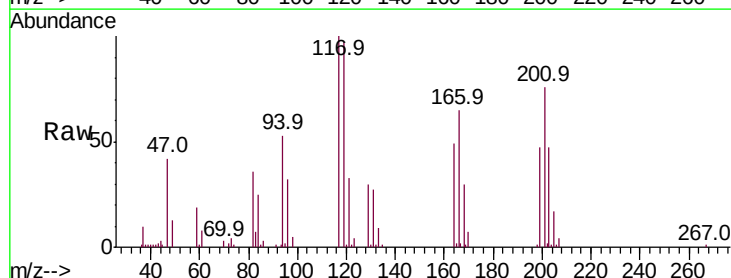
Acq: 5 Oct 2020 13:45

Tgt Ion: 117 Resp: 40249

Ion Ratio Lower Upper

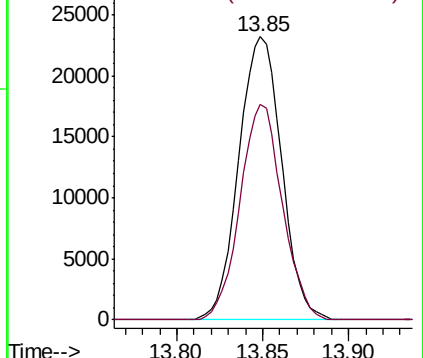
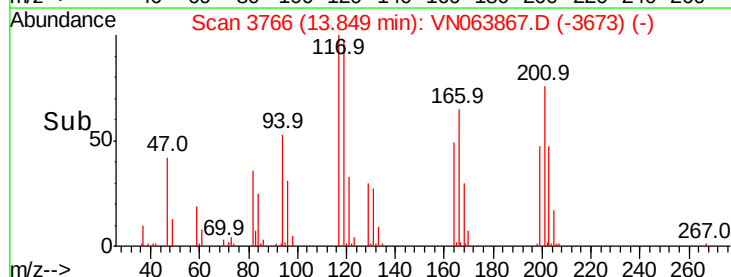
117 100

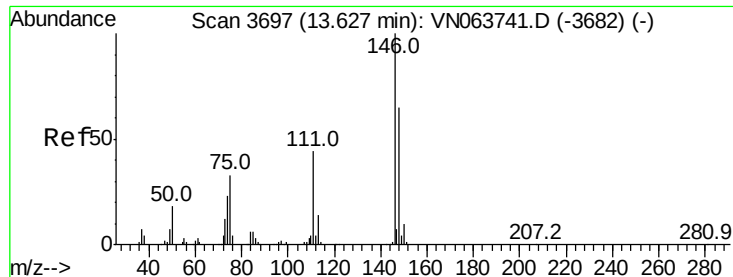
201 75.1 36.0 108.0



Abundance Ion 116.80 (116.50 to 117.50): VN063867.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN063867.D (-3673) (-)





#91

1,2-Dichlorobenzene

Concen: 18.774 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampled :

VN1005WBSD01

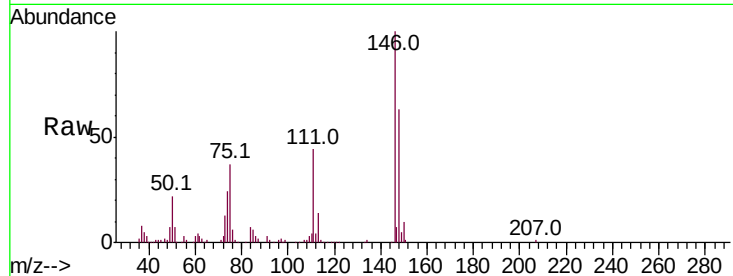
Tot Ion:146 Resp: 116413

Ion Ratio Lower Upper

146 100

111 44.1 22.2 66.6

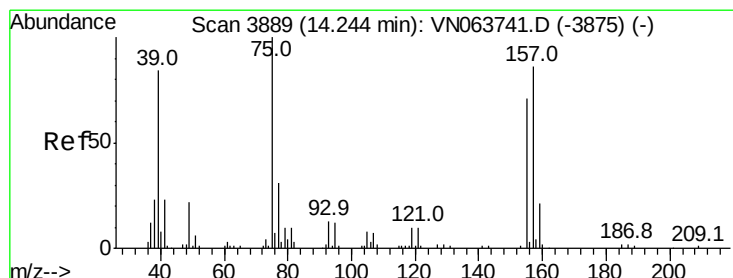
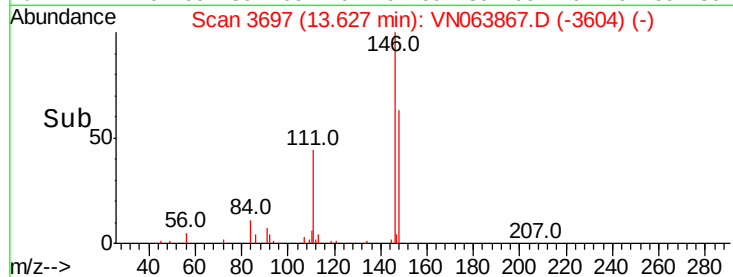
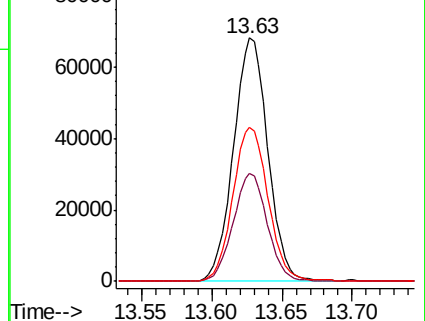
148 65.0 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.163 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

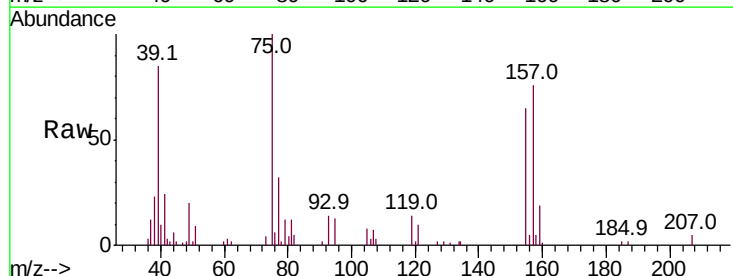
Tgt Ion: 75 Resp: 18370

Ion Ratio Lower Upper

75 100

155 69.3 34.8 104.5

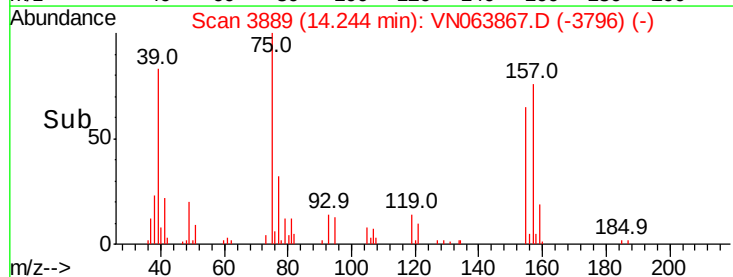
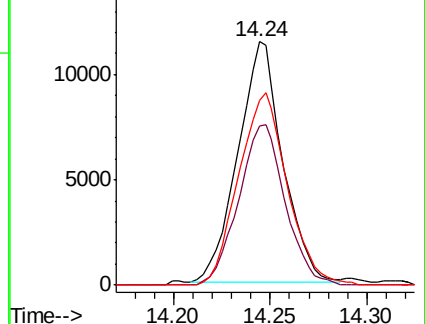
157 87.0 43.7 131.1

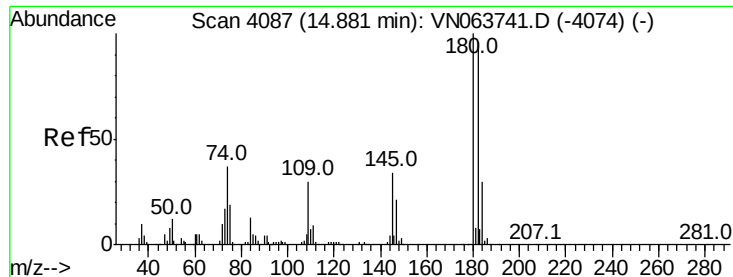


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

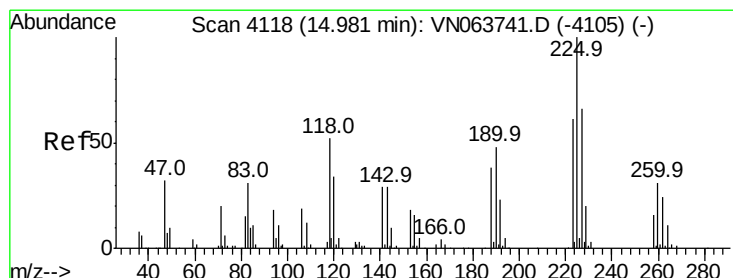
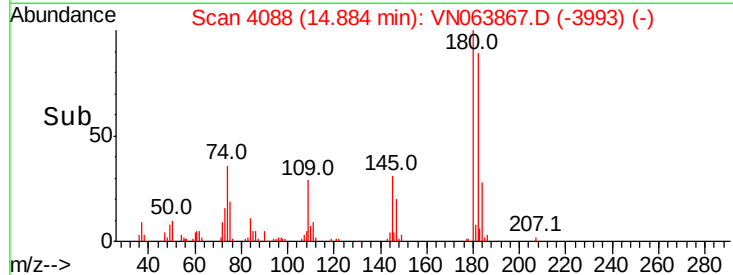
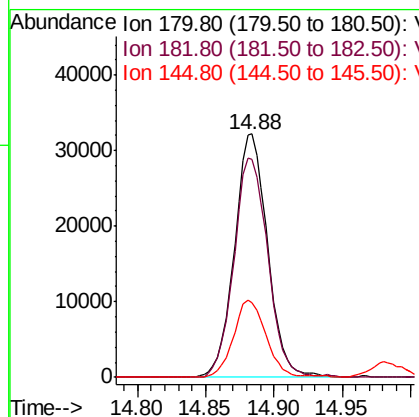
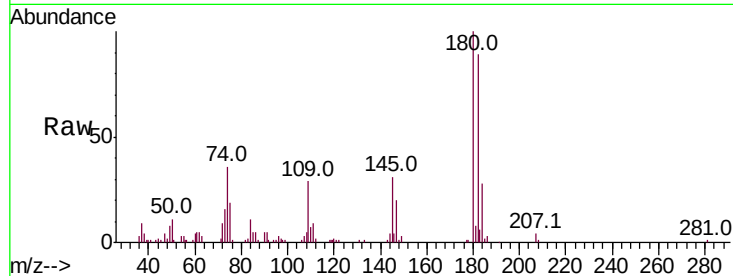




#93
 1,2,4-Trichlorobenzene
 Concen: 17.258 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

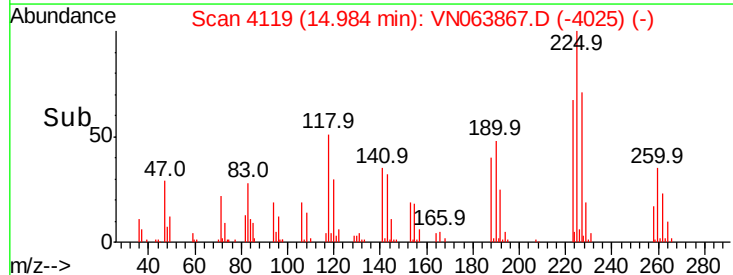
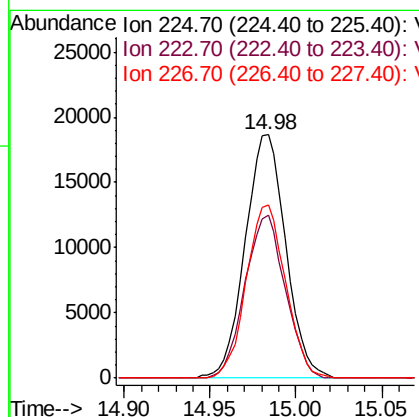
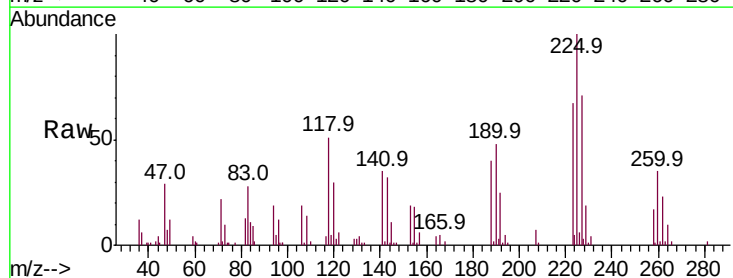
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

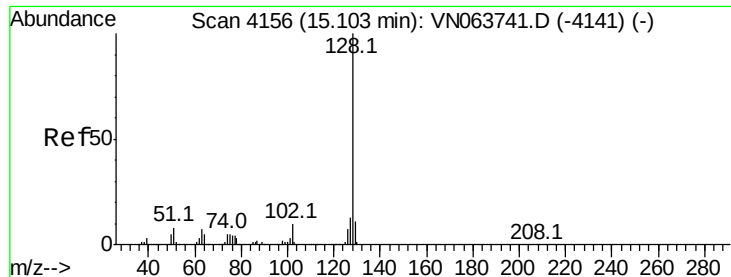
Tot Ion:180 Resp: 54221
 Ion Ratio Lower Upper
 180 100
 182 92.2 48.2 144.6
 145 31.2 17.1 51.2



#94
 Hexachlorobutadiene
 Concen: 18.229 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063867.D
 Acq: 5 Oct 2020 13:45

Tgt Ion:225 Resp: 30577
 Ion Ratio Lower Upper
 225 100
 223 66.1 30.3 91.0
 227 68.9 31.9 95.5





#95

Naphthalene

Concen: 16.395 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

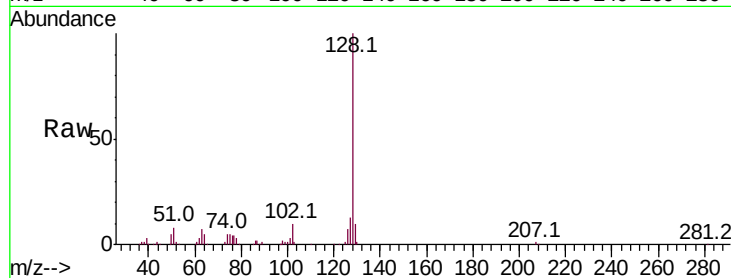
Tot Ion:128 Resp: 157012

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.4 8.7 13.1

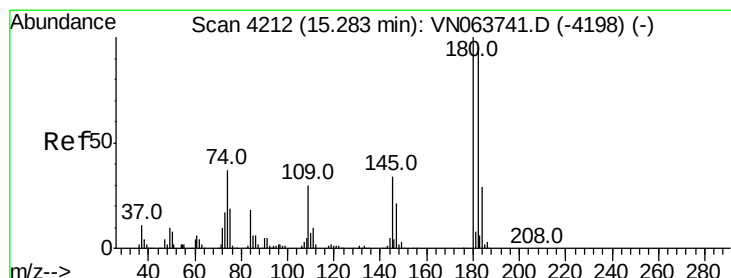
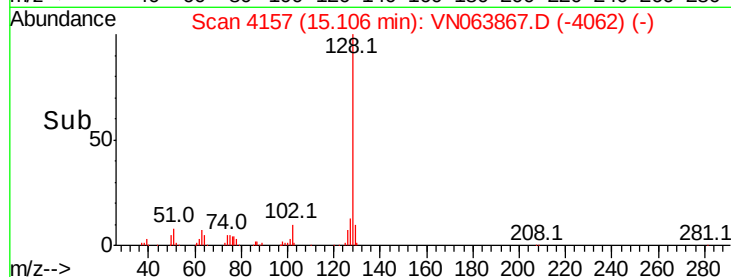
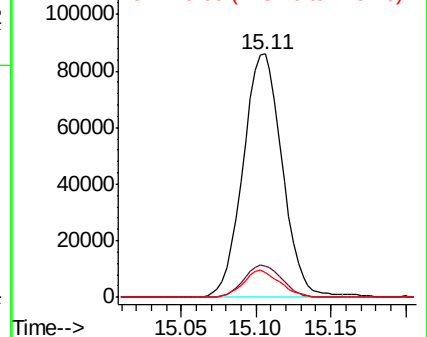


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.960 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063867.D

Acq: 5 Oct 2020 13:45

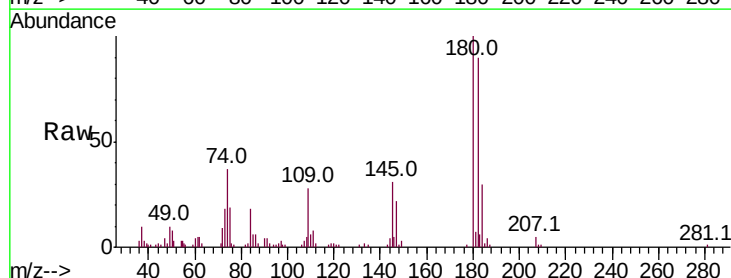
Tgt Ion:180 Resp: 51966

Ion Ratio Lower Upper

180 100

182 93.3 47.9 143.6

145 31.5 17.2 51.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

