

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
 Data File : VN063190.D
 Acq On : 2 Sep 2020 13:05
 Operator : JC/MD
 Sample : L3889-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MS

Quant Time: Sep 03 00:58:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	424516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	789853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	738386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	353462	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	327788	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	7.55	113	239836	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
50) Toluene-d8	10.06	98	929148	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	12.38	95	337543	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	176457	42.207	ug/l	97
3) Chloromethane	2.04	50	256679	42.163	ug/l	99
4) Vinyl Chloride	2.17	62	281470	41.856	ug/l	98
5) Bromomethane	2.53	94	252295	44.570	ug/l	99
6) Chloroethane	2.67	64	250506	46.851	ug/l	100
7) Trichlorofluoromethane	2.98	101	449809	48.358	ug/l	98
8) Diethyl Ether	3.38	74	143438	44.580	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	210583	46.070	ug/l	99
10) Methyl Iodide	3.91	142	266220	42.704	ug/l	99
11) Tert butyl alcohol	4.73	59	200256	235.088	ug/l	99
12) 1,1-Dichloroethene	3.70	96	213415	45.821	ug/l	96
13) Acrolein	3.57	56	131613	395.999	ug/l	99
14) Allyl chloride	4.28	41	380456	45.994	ug/l	96
15) Acrylonitrile	4.93	53	558475	234.209	ug/l	100
16) Acetone	3.77	43	482799	244.737	ug/l	100
17) Carbon Disulfide	4.01	76	597476	43.098	ug/l	99
18) Methyl Acetate	4.28	43	252920	50.002	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	797751	46.171	ug/l	100
20) Methylene Chloride	4.51	84	252986	45.564	ug/l	89
21) trans-1,2-Dichloroethene	4.99	96	248526	48.297	ug/l	92
22) Diisopropyl ether	5.90	45	860765	46.436	ug/l	98
23) Vinyl Acetate	5.84	43	3589837	242.709	ug/l	100
24) 1,1-Dichloroethane	5.80	63	471003	46.091	ug/l	99
25) 2-Butanone	6.78	43	780574	255.543	ug/l	100
26) 2,2-Dichloropropane	6.78	77	422851	45.671	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	290300	46.414	ug/l	99
28) Bromochloromethane	7.15	49	249296	46.695	ug/l	98
29) Tetrahydrofuran	7.16	42	520886	246.620	ug/l	98
30) Chloroform	7.33	83	501335	46.892	ug/l	98
31) Cyclohexane	7.61	56	398529	44.046	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	447975	48.625	ug/l	100
36) 1,1-Dichloropropene	7.75	75	364020	47.940	ug/l	99
37) Ethyl Acetate	6.88	43	345830	48.246	ug/l #	95
38) Carbon Tetrachloride	7.73	117	367659	47.744	ug/l	97

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

39) Methylcyclohexane	9.05	83	401387	47.054	ug/l	99
40) Benzene	8.00	78	1100740	49.330	ug/l	99
41) Methacrylonitrile	7.17	41	500866	156.577	ug/l #	20
42) 1,2-Dichloroethane	8.09	62	417268	50.061	ug/l	98
43) Isopropyl Acetate	8.13	43	626403	50.584	ug/l	99
44) Trichloroethene	8.80	130	281966	52.097	ug/l	96
45) 1,2-Dichloropropane	9.08	63	277809	47.023	ug/l	100
46) Dibromomethane	9.18	93	196012	50.065	ug/l	98
47) Bromodichloromethane	9.37	83	414933	49.444	ug/l	99
48) Methyl methacrylate	9.17	41	289803	51.913	ug/l	96
49) 1,4-Dioxane	9.17	88	88133	1020.712	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1803658	268.032	ug/l	99
52) Toluene	10.13	92	693935	49.923	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	442766	48.234	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	467032	48.469	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	271580	51.017	ug/l	99
56) Ethyl methacrylate	10.40	69	405441	50.047	ug/l	99
57) 1,3-Dichloropropane	10.68	76	472890	49.865	ug/l	100
59) 2-Hexanone	10.72	43	1318063	278.706	ug/l	100
60) Dibromochloromethane	10.87	129	300967	51.139	ug/l	100
61) 1,2-Dibromoethane	10.98	107	281731	50.911	ug/l	97
64) Tetrachloroethene	10.60	164	288533	54.416	ug/l	93
65) Chlorobenzene	11.41	112	723589	48.655	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	272460	49.344	ug/l	99
67) Ethyl Benzene	11.49	91	1363056	50.240	ug/l	99
68) m/p-Xylenes	11.60	106	1005671	100.083	ug/l	99
69) o-Xylene	11.92	106	486202	50.087	ug/l	99
70) Stvrene	11.94	104	838708	50.274	ug/l	99
71) Bromoform	12.10	173	189617	50.602	ug/l #	99
73) Isopropylbenzene	12.23	105	1326567	48.933	ug/l	100
74) N-amyl acetate	12.05	43	544592	48.497	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	366615	46.906	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	505318	72.762	ug/l #	100
77) Bromobenzene	12.50	156	294695	48.065	ug/l	97
78) n-propylbenzene	12.57	91	1551160	49.446	ug/l	99
79) 2-Chlorotoluene	12.65	91	902355	48.025	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1112949	49.321	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	132250	46.027	ug/l	99
82) 4-Chlorotoluene	12.75	91	948064	48.651	ug/l	98
83) tert-Butylbenzene	12.97	119	921853	47.634	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	1136484	49.966	ug/l	98
85) sec-Butylbenzene	13.15	105	1248479	49.499	ug/l	99
86) p-Isopropyltoluene	13.27	119	1116762	49.872	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	554837	49.260	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	552424	47.367	ug/l	99
89) n-Butylbenzene	13.59	91	1012659	48.951	ug/l	99
90) Hexachloroethane	13.85	117	186599	45.015	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	558649	51.111	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	85041	49.490	ug/l	97
93) 1,2,4-Trichlorobenzene	14.88	180	293341	48.037	ug/l	99

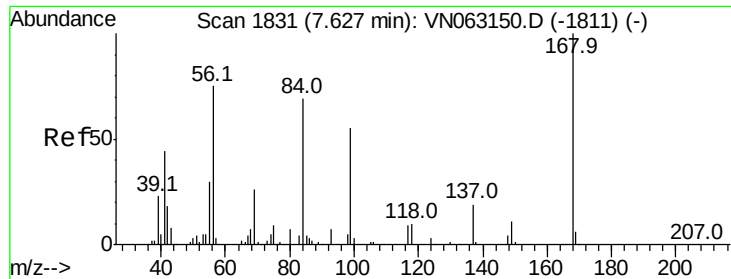
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Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	105441	46.222	ug/l	99
95) Naphthalene	15.11	128	963265	47.281	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	284336	47.793	ug/l	100

(#) = 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: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

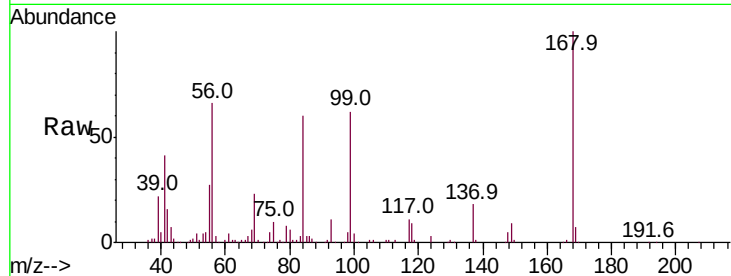
BP-VPB181-GW-783-785MS

Tot Ion:168 Resp: 424516

Ion Ratio Lower Upper

168 100

99 61.8 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

200000

150000

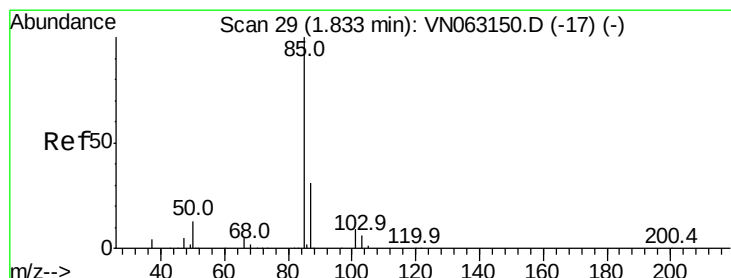
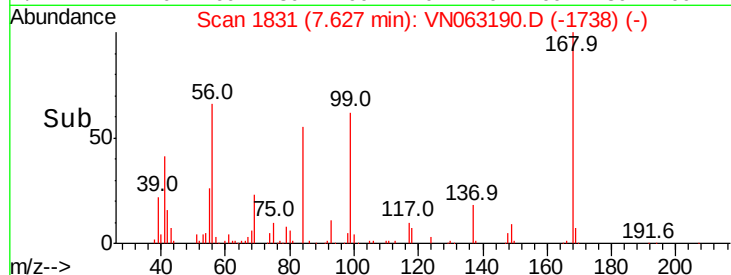
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 42.207 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063190.D

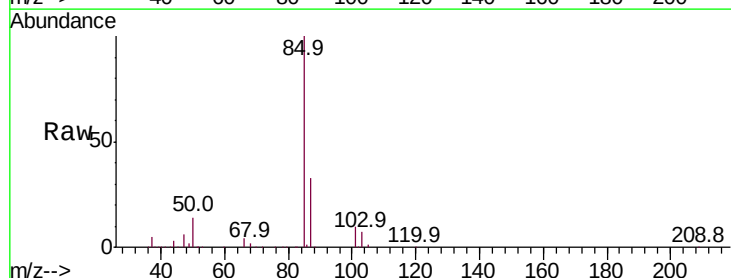
Acq: 2 Sep 2020 13:05

Tgt Ion: 85 Resp: 176457

Ion Ratio Lower Upper

85 100

87 33.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

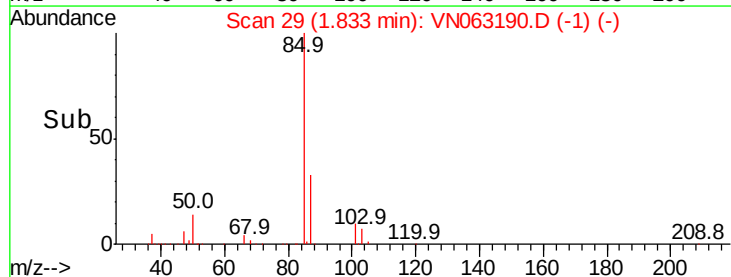
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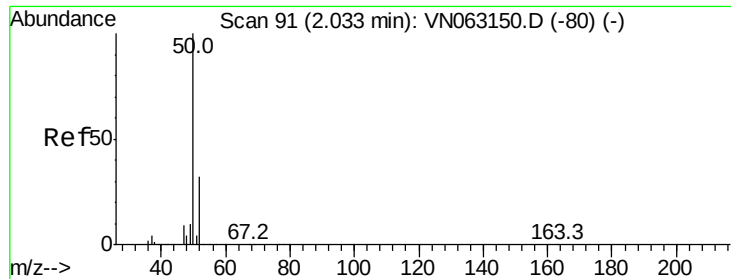
50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 42.163 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

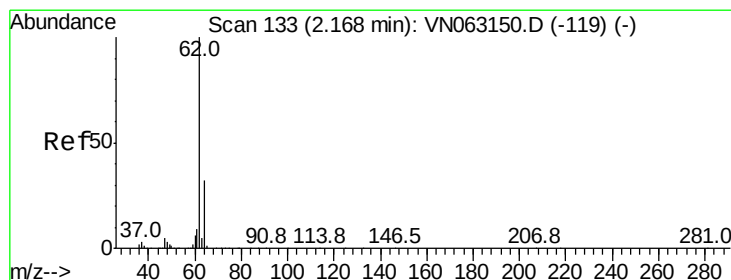
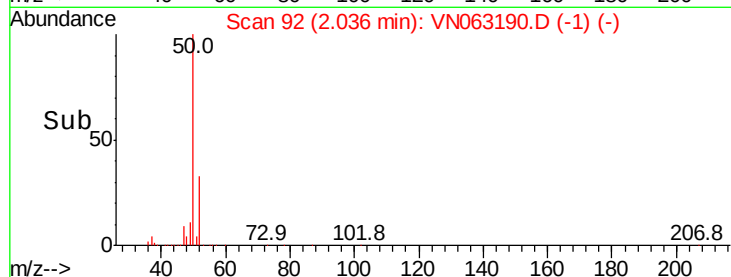
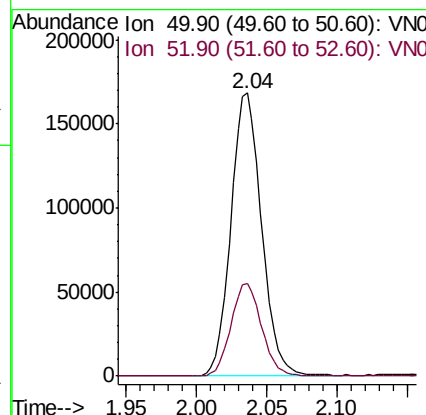
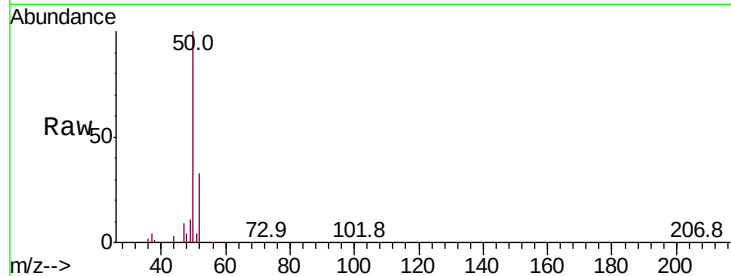
BP-VPB181-GW-783-785MS

Tot Ion: 50 Resp: 256679

Ion Ratio Lower Upper

50 100

52 32.9 25.8 38.6



#4

Vinyl Chloride

Concen: 41.856 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063190.D

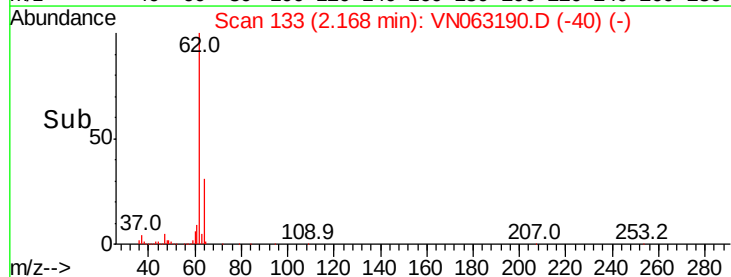
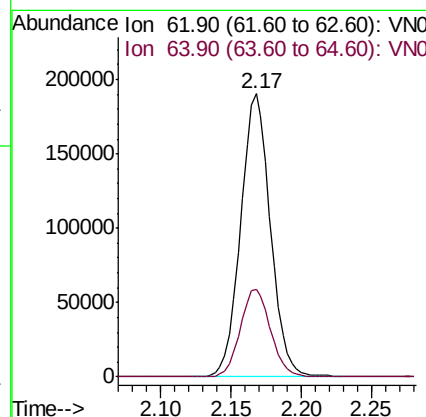
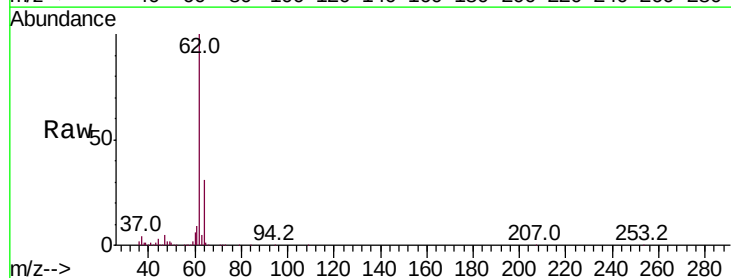
Acq: 2 Sep 2020 13:05

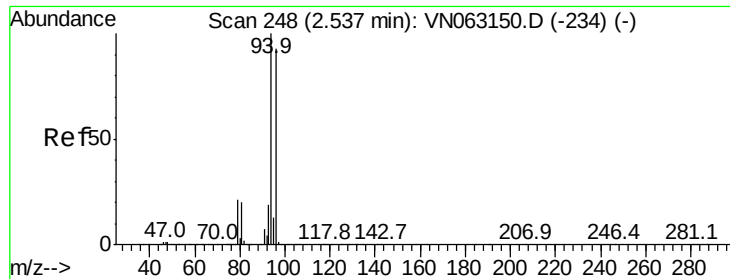
Tgt Ion: 62 Resp: 281470

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8





#5

Bromomethane

Concen: 44.570 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

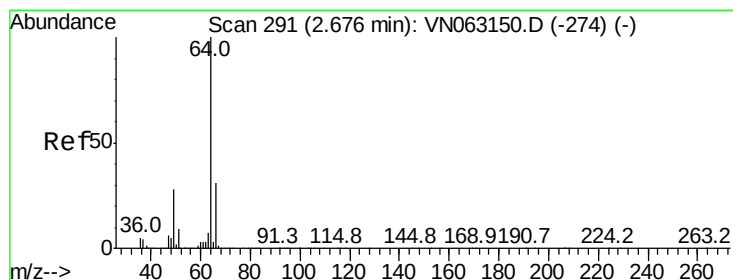
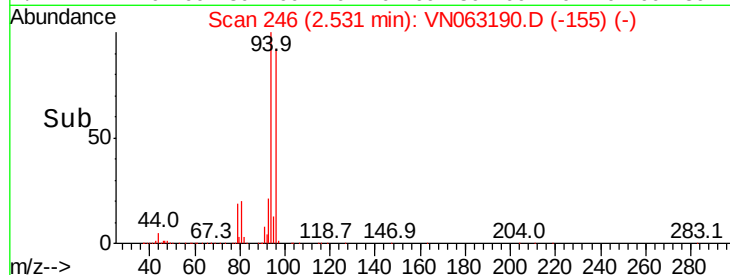
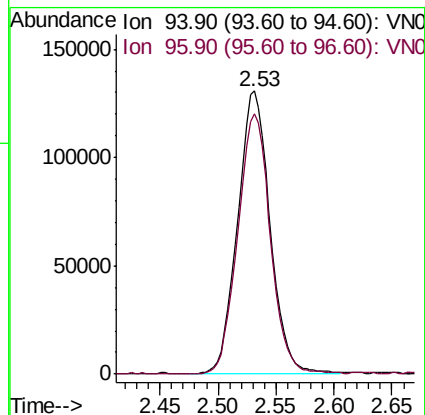
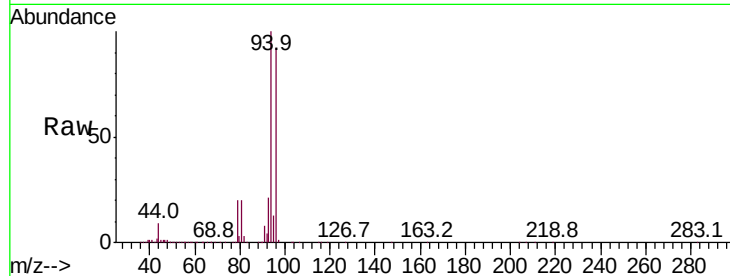
BP-VPB181-GW-783-785MS

Tot Ion: 94 Resp: 252295

Ion Ratio Lower Upper

94 100

96 91.8 74.4 111.6



#6

Chloroethane

Concen: 46.851 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN063190.D

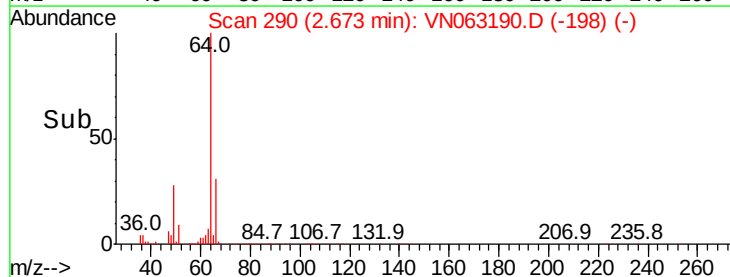
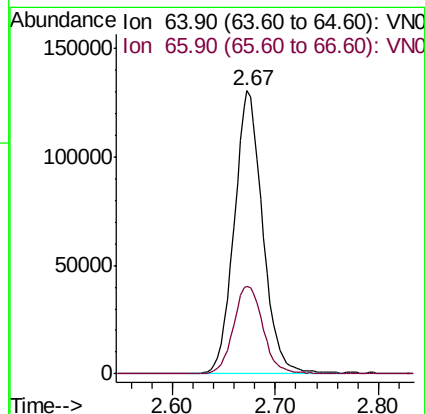
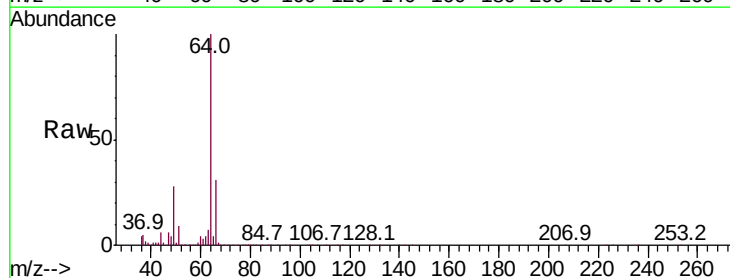
Acq: 2 Sep 2020 13:05

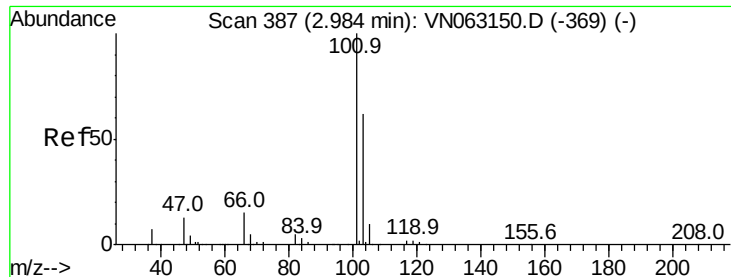
Tgt Ion: 64 Resp: 250506

Ion Ratio Lower Upper

64 100

66 30.7 24.7 37.1



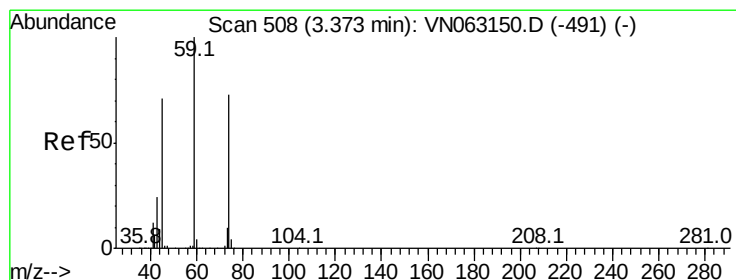
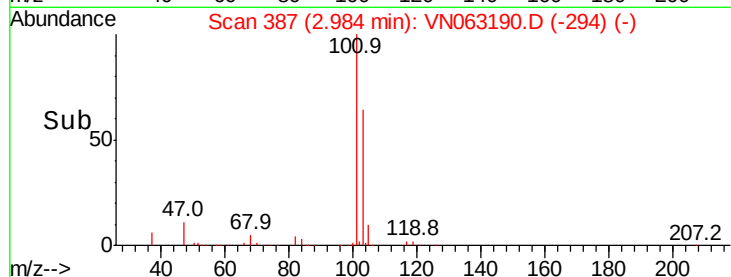
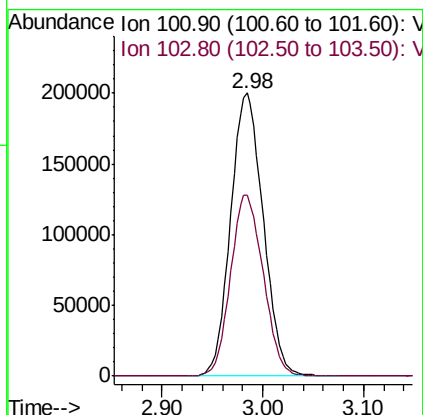
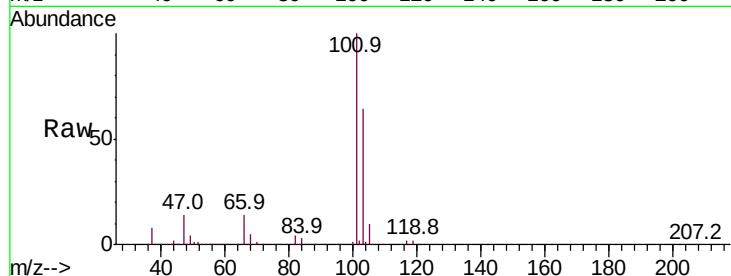


#7

Trichlorofluoromethane
 Concen: 48.358 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
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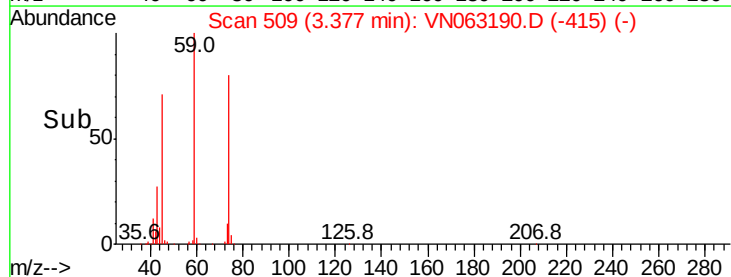
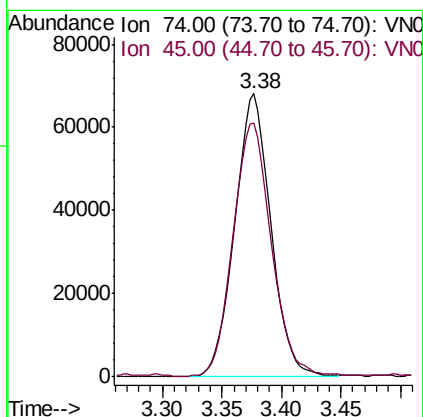
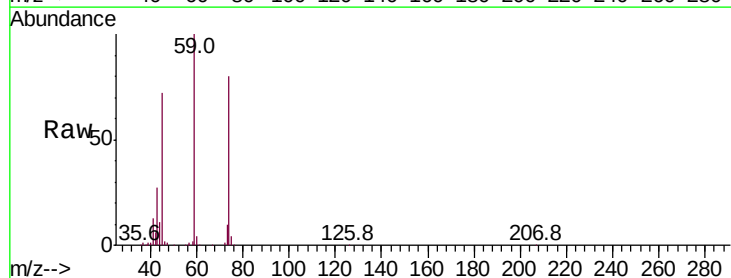
Tot Ion:101 Resp: 449809
 Ion Ratio Lower Upper
 101 100
 103 63.8 49.7 74.5

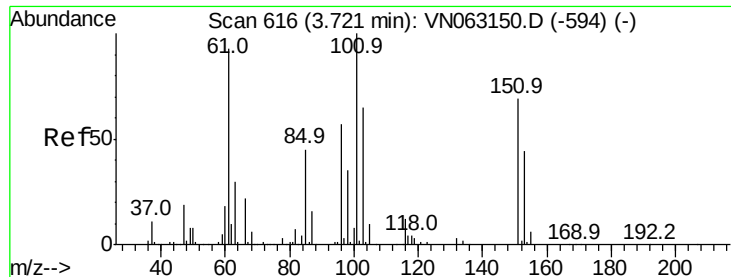


#8

Diethyl Ether
 Concen: 44.580 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion: 74 Resp: 143438
 Ion Ratio Lower Upper
 74 100
 45 94.1 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.070 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN063190.D

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MSVOA_N

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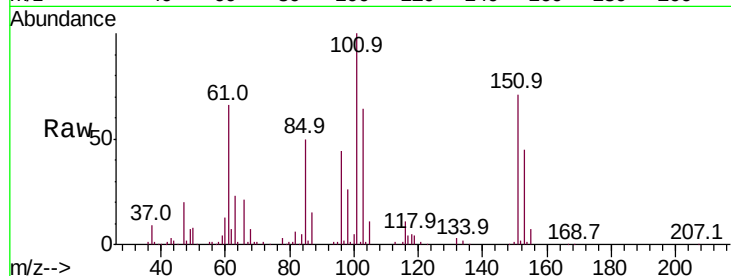
Tot Ion:101 Resp: 210583

Ion Ratio Lower Upper

101 100

85 48.1 37.8 56.8

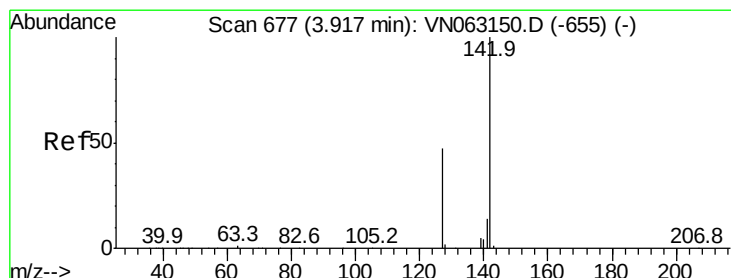
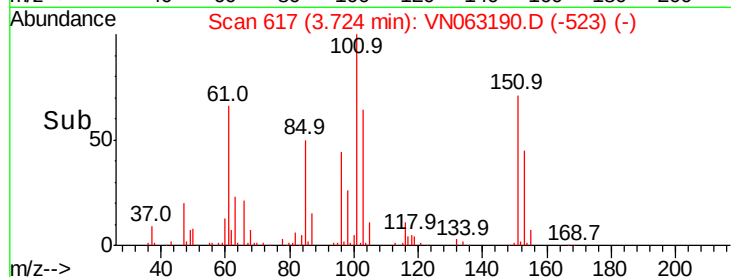
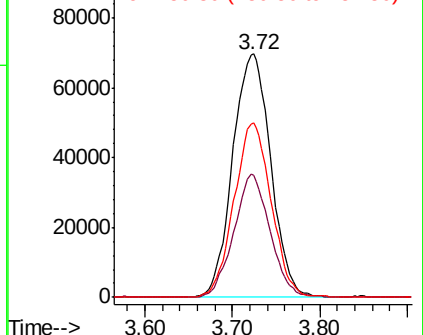
151 69.8 55.0 82.4



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: 42.704 ug/l

RT: 3.91 min Scan# 676

Delta R.T. -0.00 min

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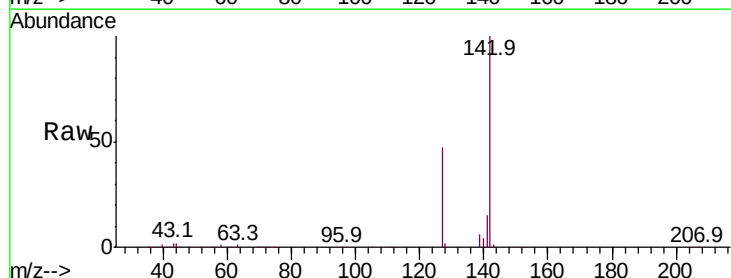
Tgt Ion:142 Resp: 266220

Ion Ratio Lower Upper

142 100

127 47.6 37.6 56.4

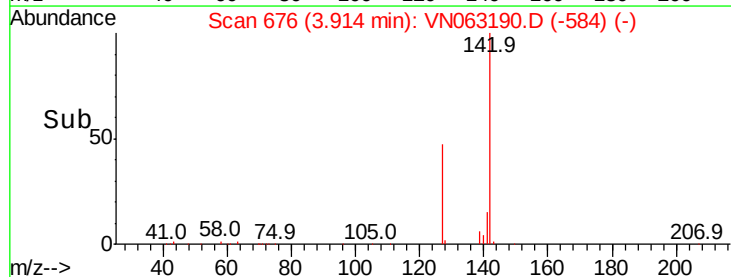
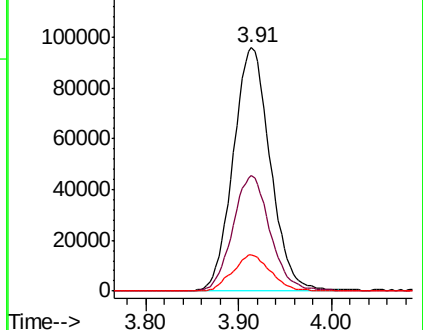
141 15.3 11.3 16.9

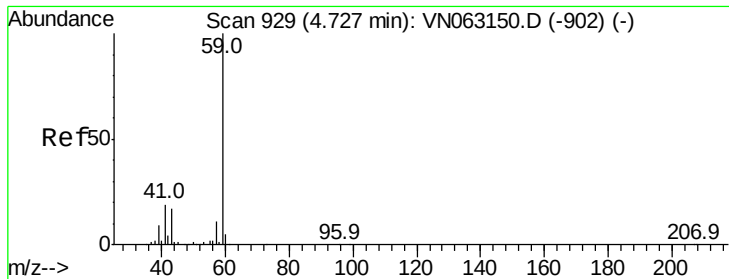


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



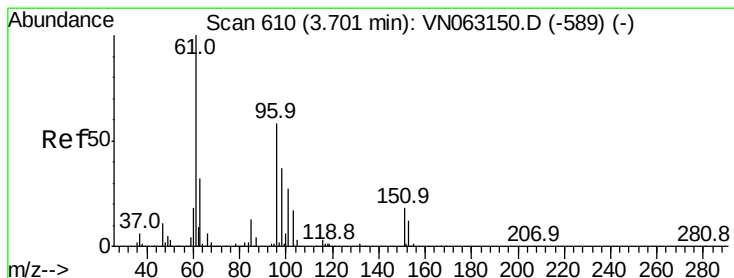
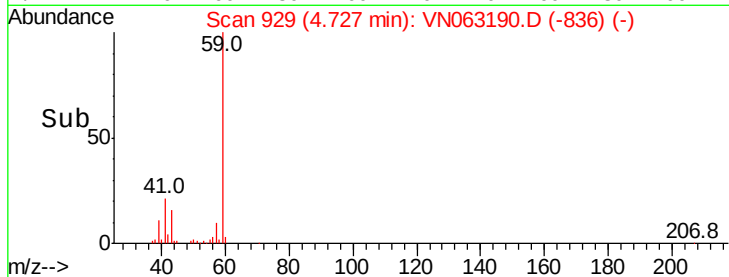
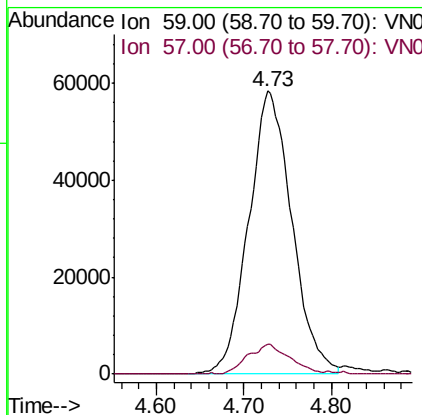
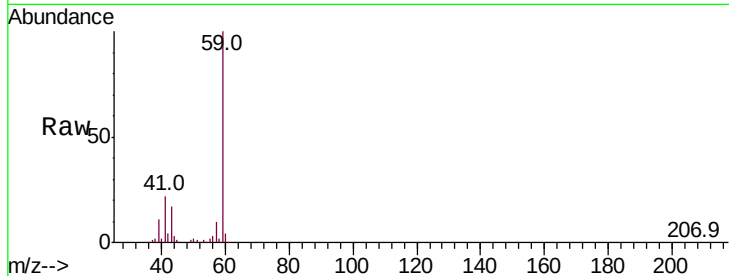


#11

Tert butyl alcohol
 Concen: 235.088 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MS

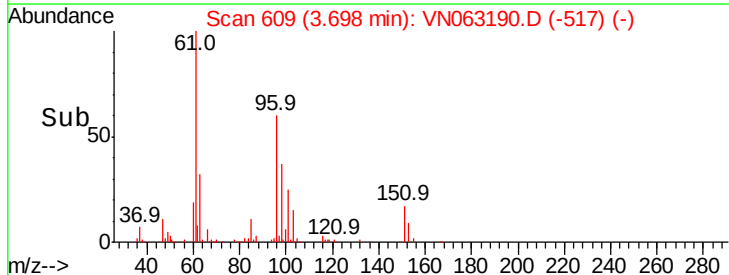
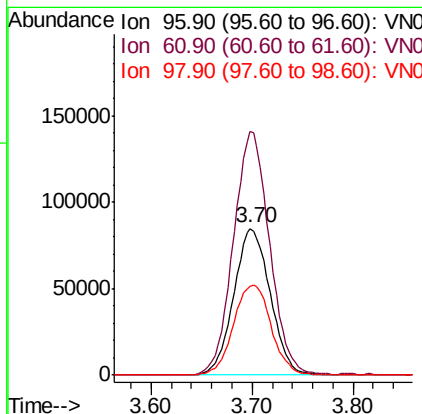
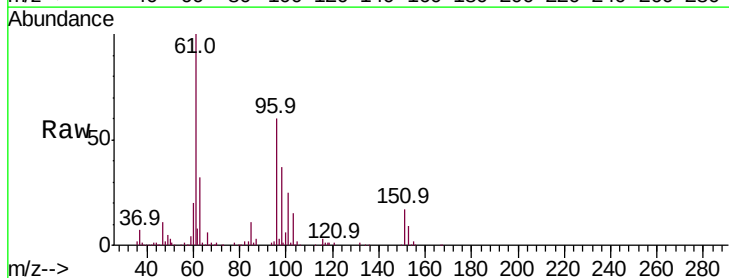
Tot Ion: 59 Resp: 200256
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.4 12.6

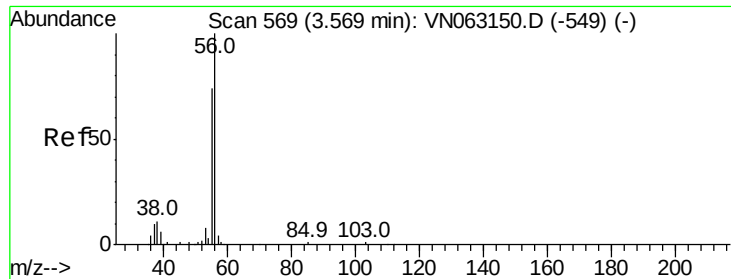


#12

1,1-Dichloroethene
 Concen: 45.821 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion: 96 Resp: 213415
 Ion Ratio Lower Upper
 96 100
 61 165.8 137.4 206.2
 98 60.7 50.5 75.7





#13

Acrolein

Concen: 395.999 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

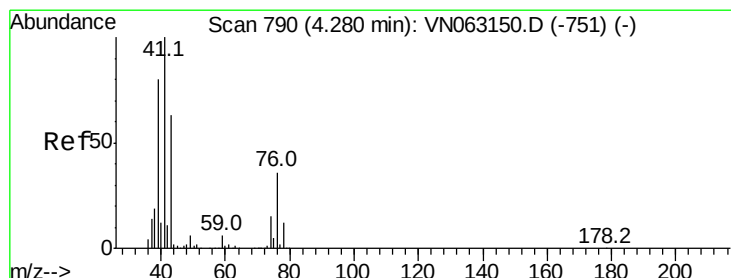
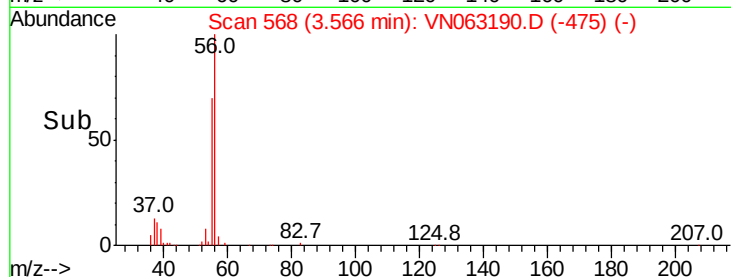
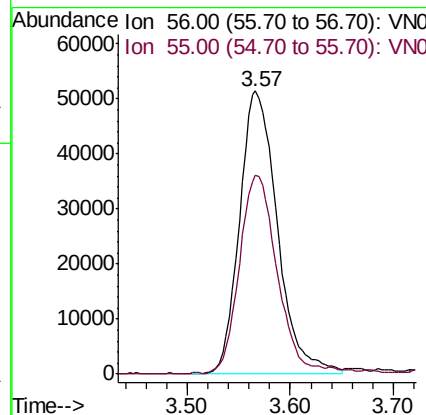
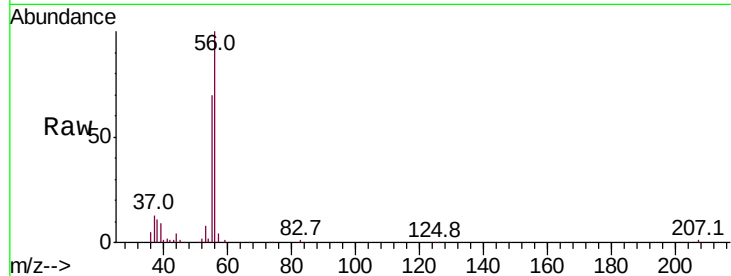
BP-VPB181-GW-783-785MS

Tot Ion: 56 Resp: 131613

Ion Ratio Lower Upper

56 100

55 69.7 55.4 83.0



#14

Allyl chloride

Concen: 45.994 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

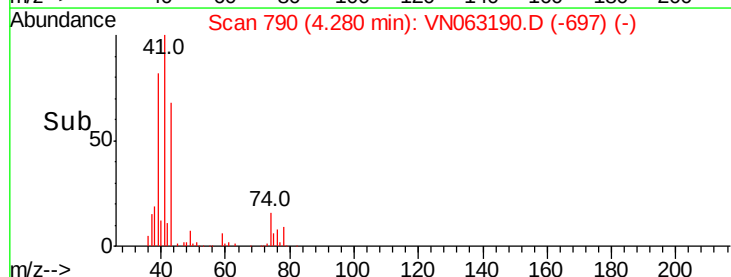
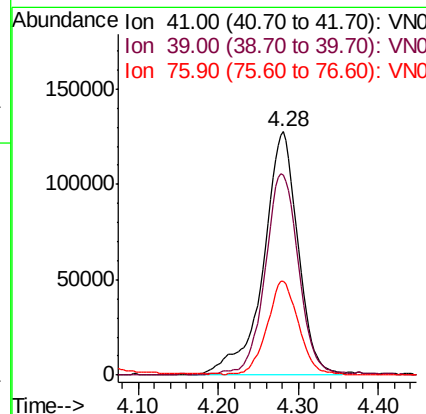
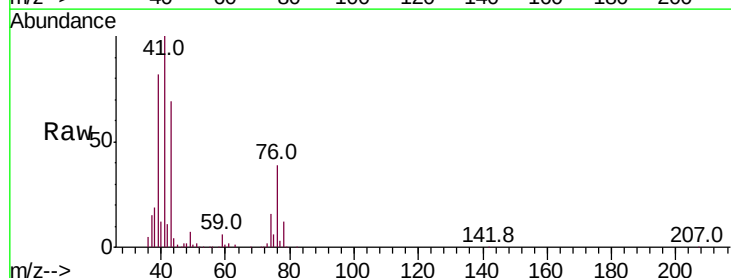
Tgt Ion: 41 Resp: 380456

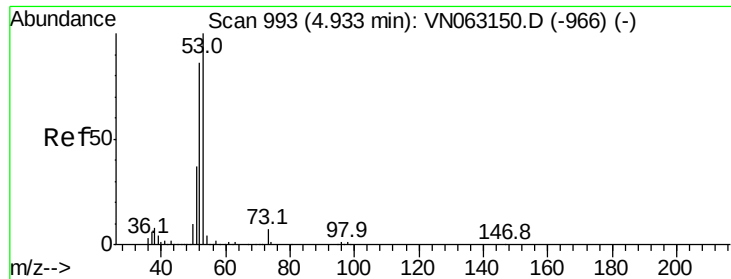
Ion Ratio Lower Upper

41 100

39 80.3 60.2 90.2

76 34.7 27.7 41.5





#15

Acrylonitrile

Concen: 234.209 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

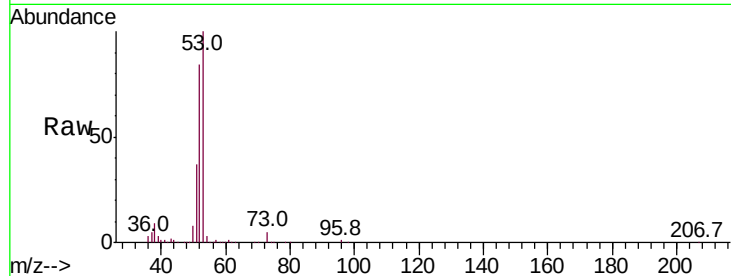
Tot Ion: 53 Resp: 558475

Ion Ratio Lower Upper

53 100

52 83.4 67.2 100.8

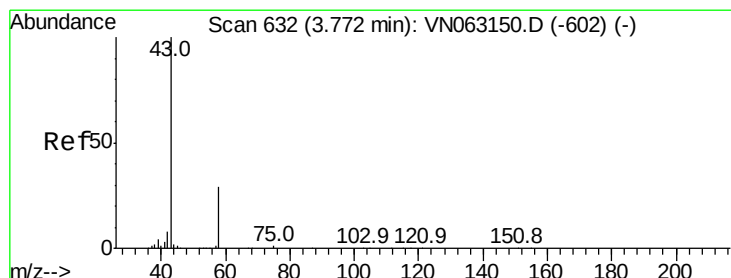
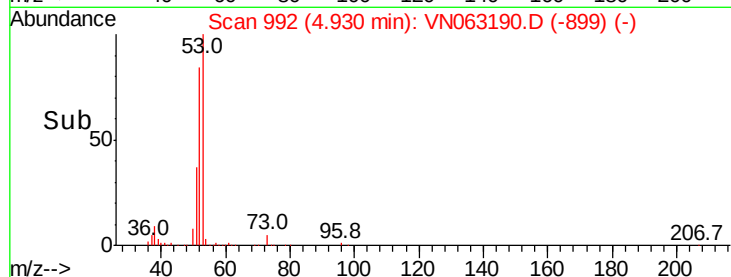
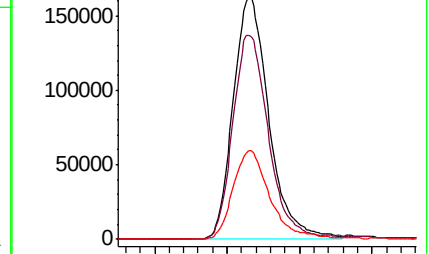
51 37.9 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VN063150.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN063150.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN063150.D (-966) (-)



#16

Acetone

Concen: 244.737 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN063190.D

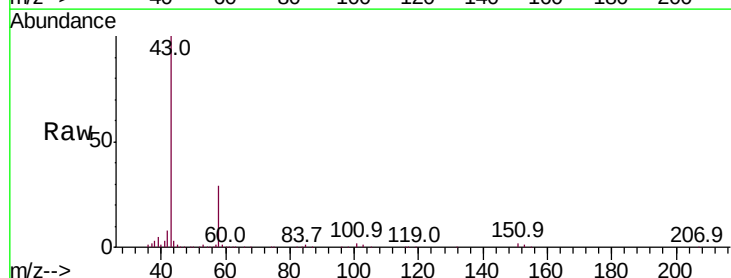
Acq: 2 Sep 2020 13:05

Tgt Ion: 43 Resp: 482799

Ion Ratio Lower Upper

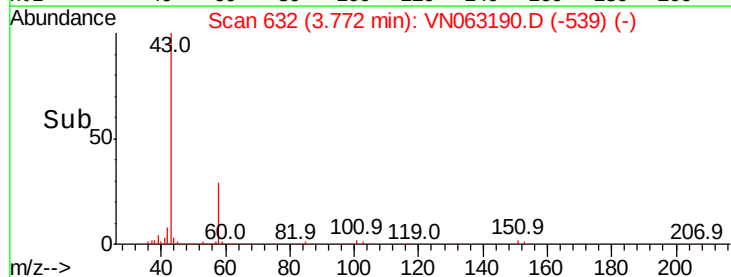
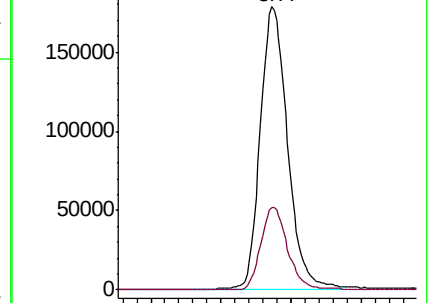
43 100

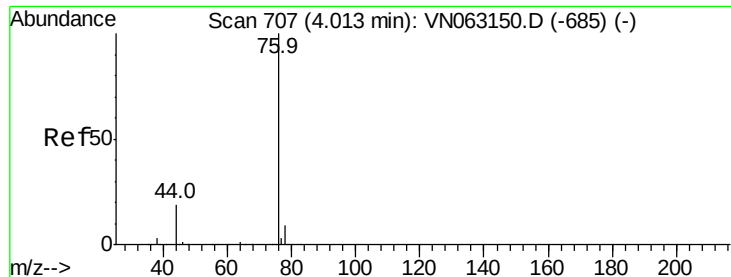
58 28.8 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN063150.D (-602) (-)

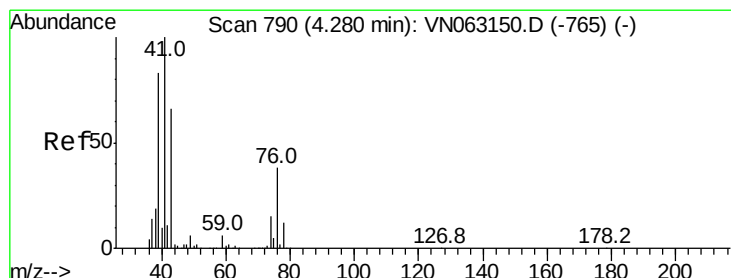
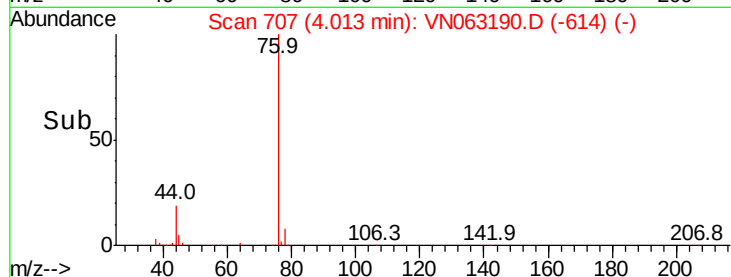
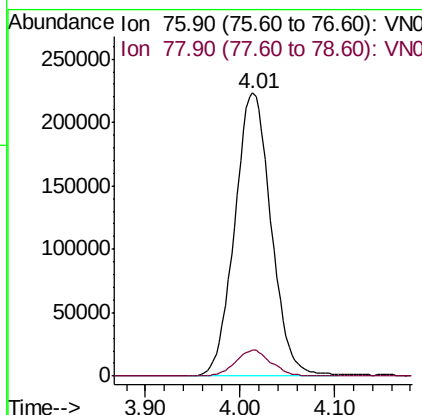
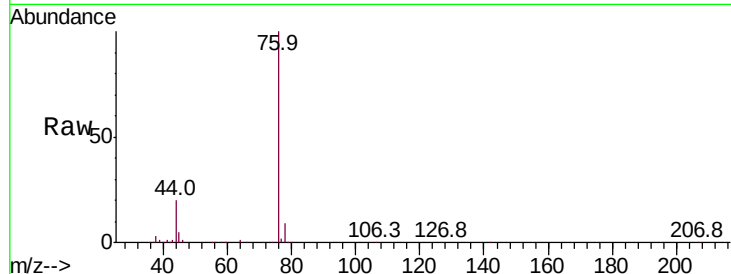




#17
Carbon Disulfide
Concen: 43.098 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

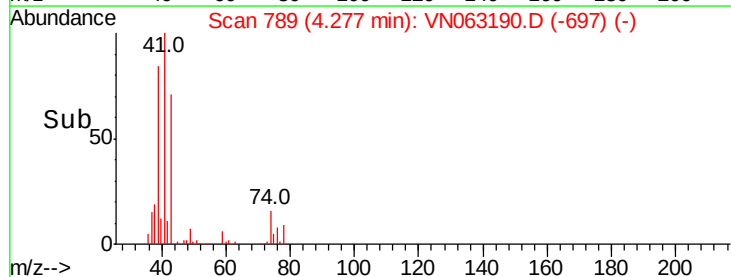
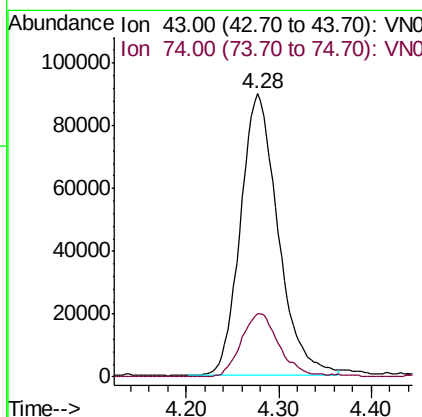
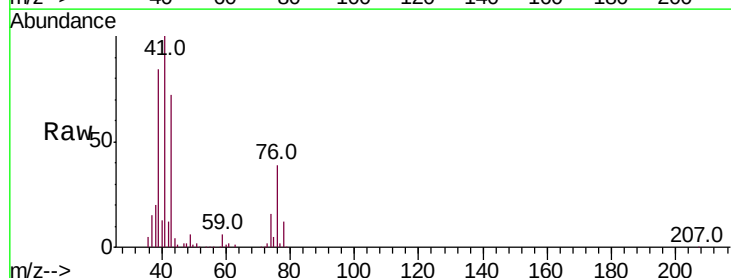
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MS

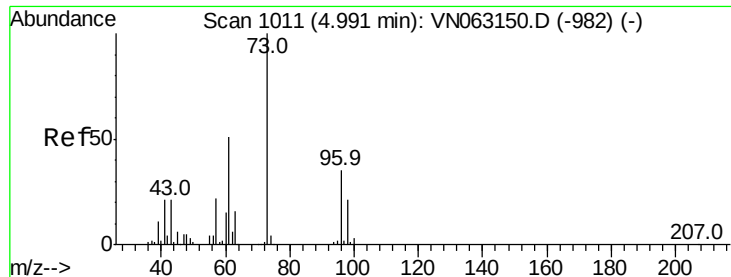
Tot Ion: 76 Resp: 597476
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 50.002 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion: 43 Resp: 252920
Ion Ratio Lower Upper
43 100
74 22.8 19.0 28.6

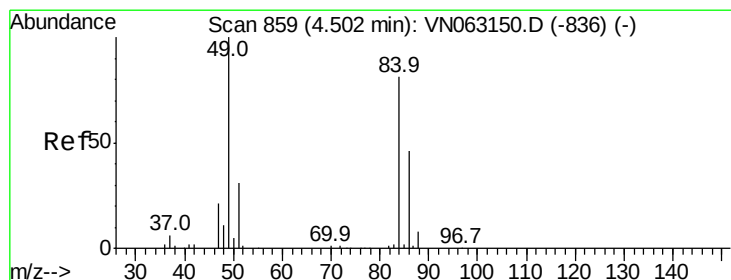
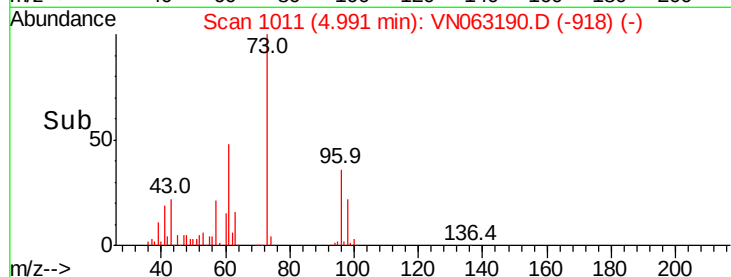
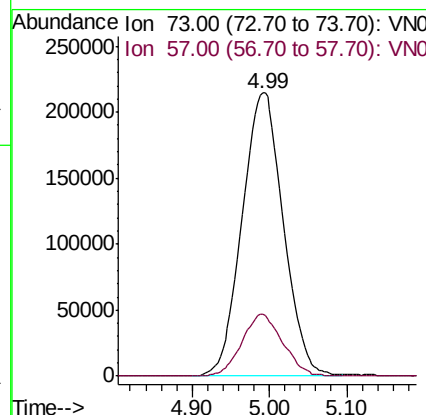
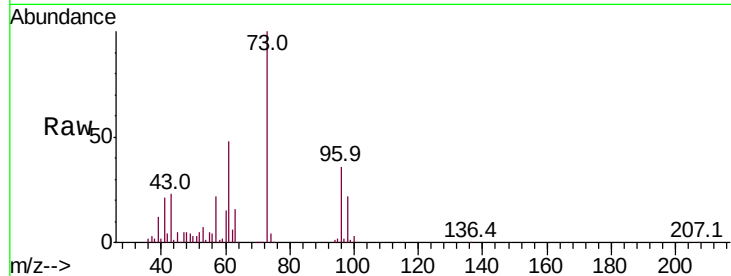




#19
Methyl tert-butyl Ether
Concen: 46.171 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

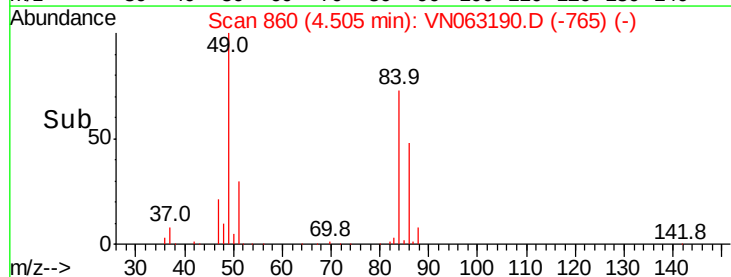
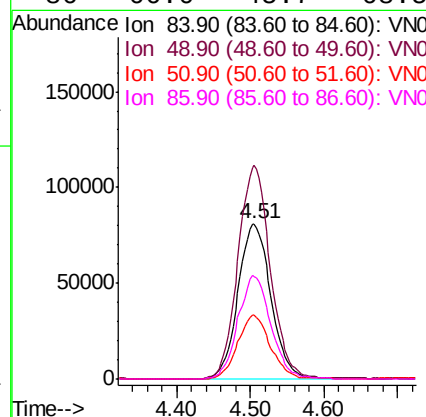
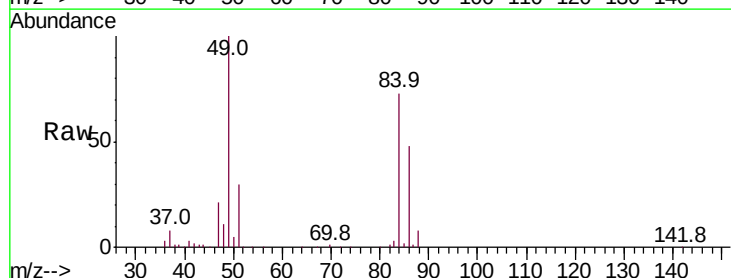
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MS

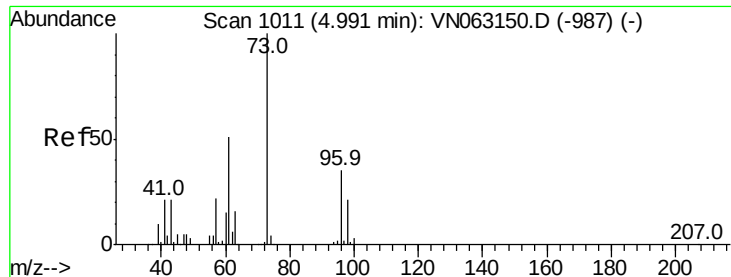
Tot Ion: 73 Resp: 797751
Ion Ratio Lower Upper
73 100
57 21.9 17.6 26.4



#20
Methylene Chloride
Concen: 45.564 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion: 84 Resp: 252986
Ion Ratio Lower Upper
84 100
49 137.5 98.4 147.6
51 40.6 30.4 45.6
86 66.0 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 48.297 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

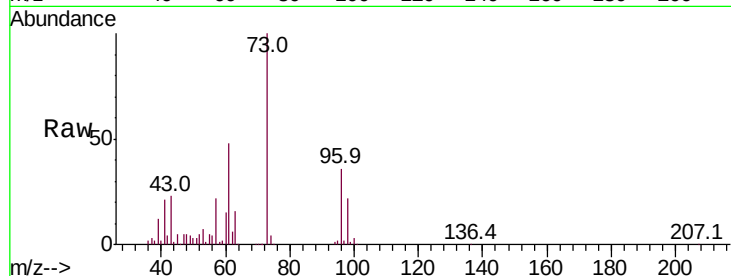
Tot Ion: 96 Resp: 248526

Ion Ratio Lower Upper

96 100

61 133.1 116.2 174.4

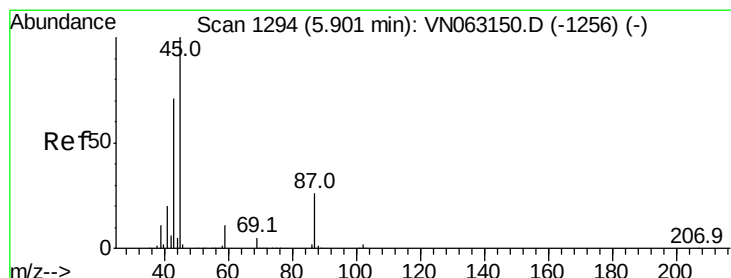
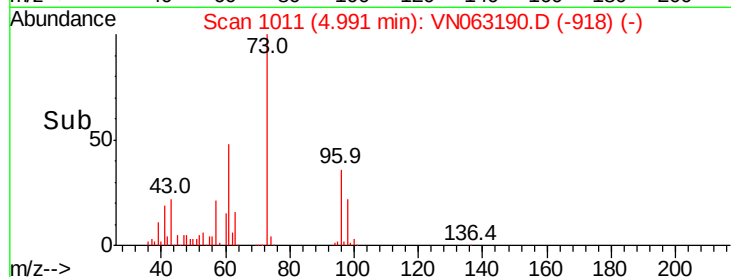
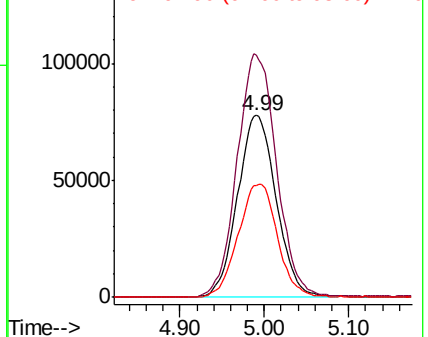
98 61.8 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VN063150.D (-987) (-)

Ion 60.90 (60.60 to 61.60): VN063150.D (-987) (-)

Ion 97.90 (97.60 to 98.60): VN063150.D (-987) (-)



#22

Diisopropyl ether

Concen: 46.436 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Tgt Ion: 45 Resp: 860765

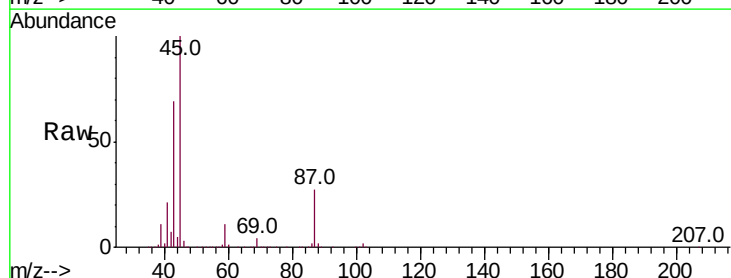
Ion Ratio Lower Upper

45 100

43 68.7 56.8 85.2

87 26.8 21.1 31.7

59 11.1 8.9 13.3

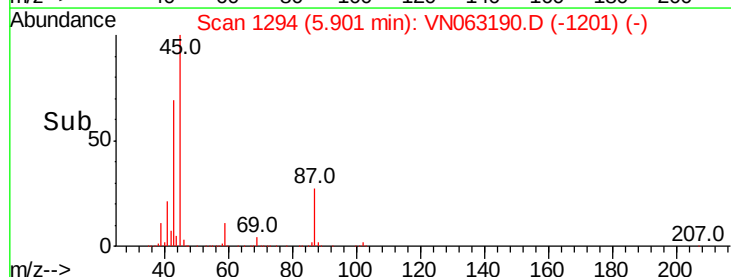
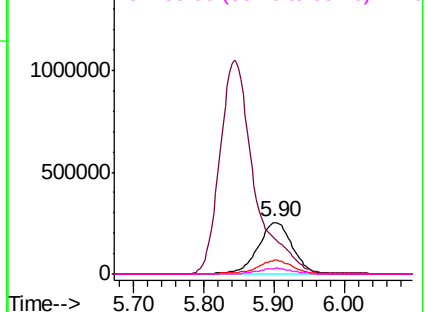


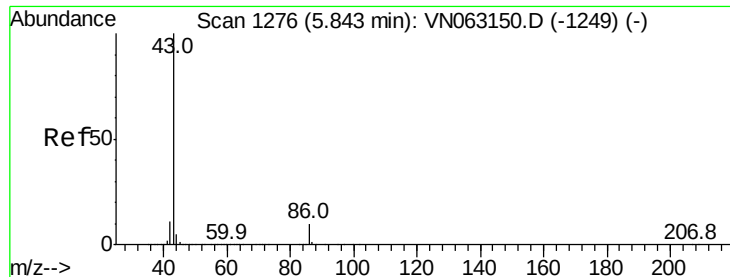
Abundance Ion 45.00 (44.70 to 45.70): VN063150.D (-1256) (-)

Ion 43.00 (42.70 to 43.70): VN063150.D (-1256) (-)

Ion 87.00 (86.70 to 87.70): VN063150.D (-1256) (-)

Ion 59.00 (58.70 to 59.70): VN063150.D (-1256) (-)





#23

Vinyl Acetate

Concen: 242.709 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

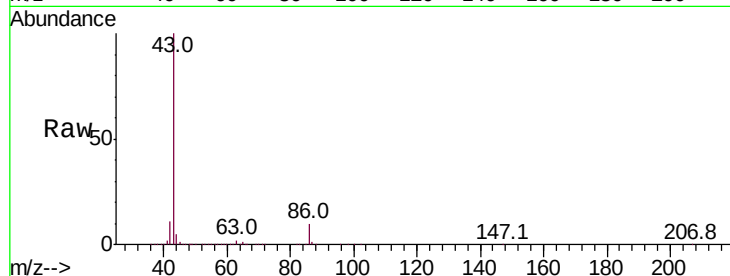
BP-VPB181-GW-783-785MS

Tot Ion: 43 Resp: 3589837

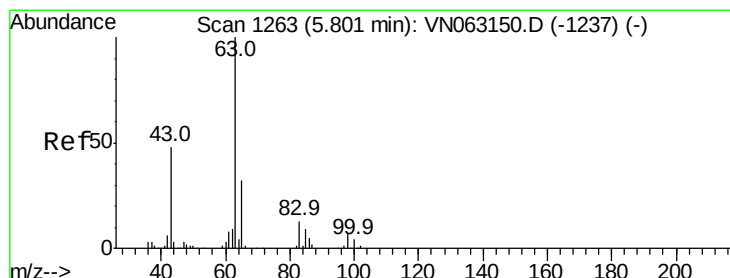
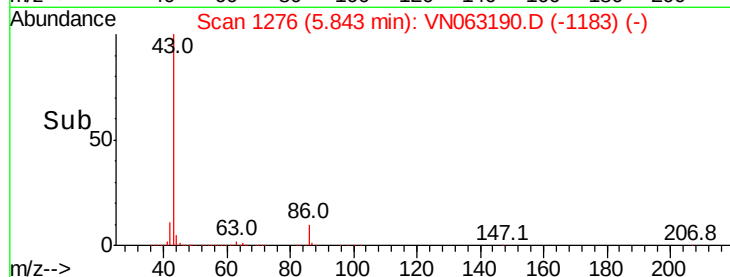
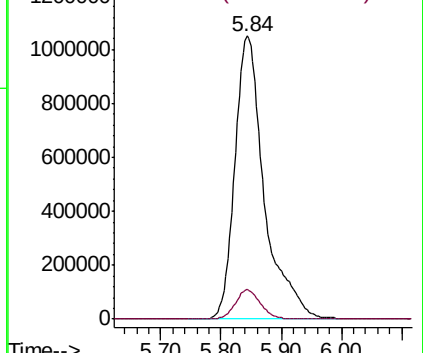
Ion Ratio Lower Upper

43 100

86 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN063190.D (-1183) (-)



#24

1,1-Dichloroethane

Concen: 46.091 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

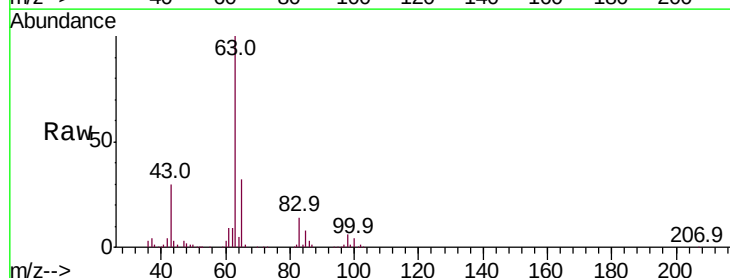
Tgt Ion: 63 Resp: 471003

Ion Ratio Lower Upper

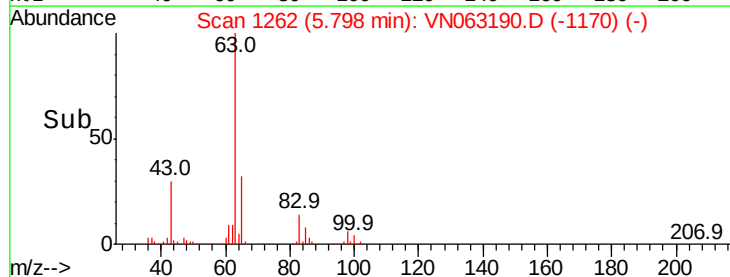
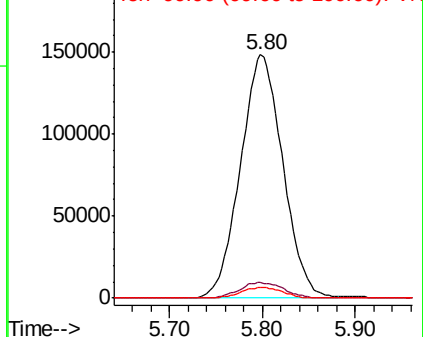
63 100

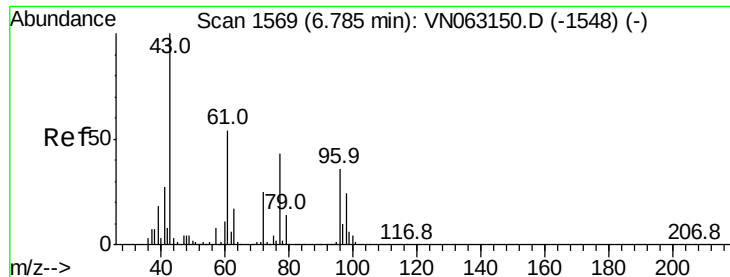
98 6.4 3.4 10.1

100 4.3 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN063190.D (-1170) (-)





#25

2-Butanone

Concen: 255.543 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

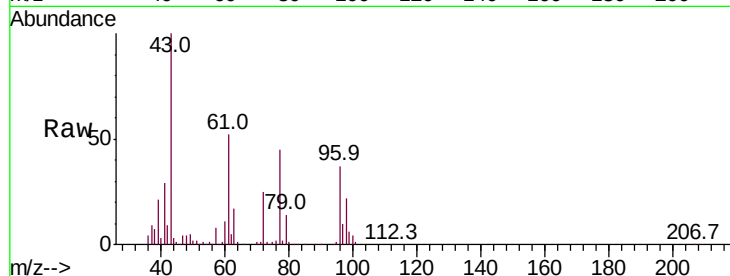
BP-VPB181-GW-783-785MS

Tot Ion: 43 Resp: 780574

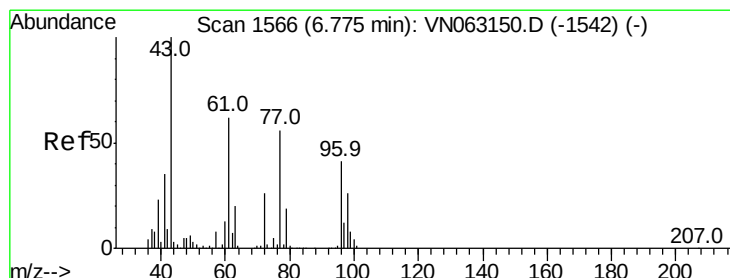
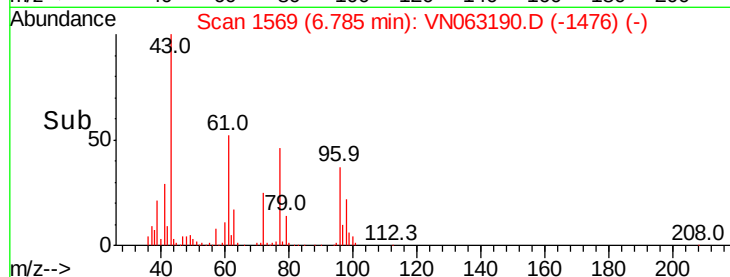
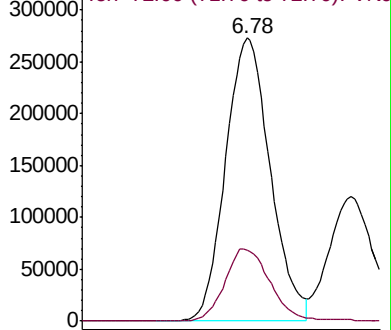
Ion Ratio Lower Upper

43 100

72 25.1 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-1548) (-)



#26

2,2-Dichloropropane

Concen: 45.671 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063190.D

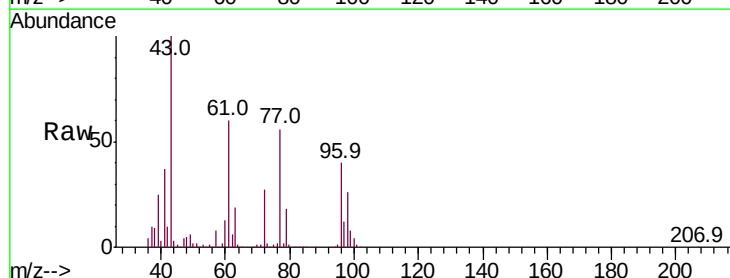
Acq: 2 Sep 2020 13:05

Tgt Ion: 77 Resp: 422851

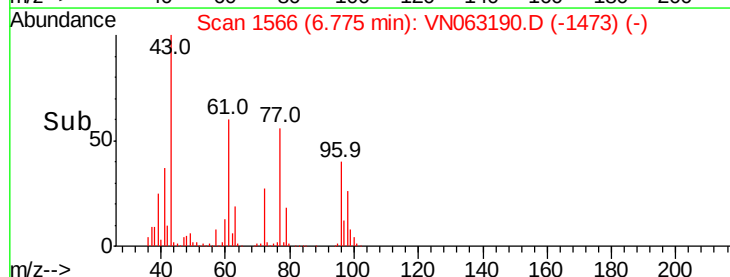
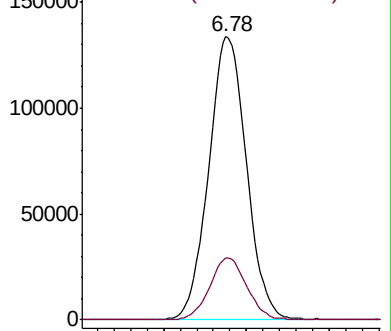
Ion Ratio Lower Upper

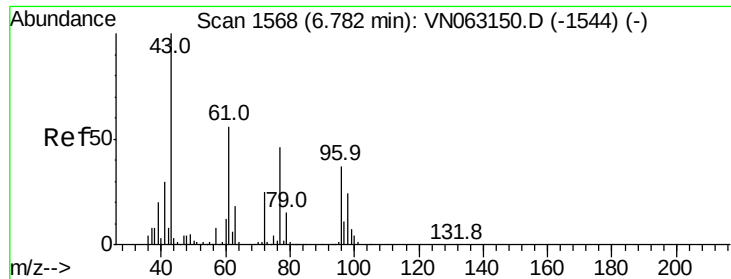
77 100

97 21.5 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN063150.D (-1542) (-)

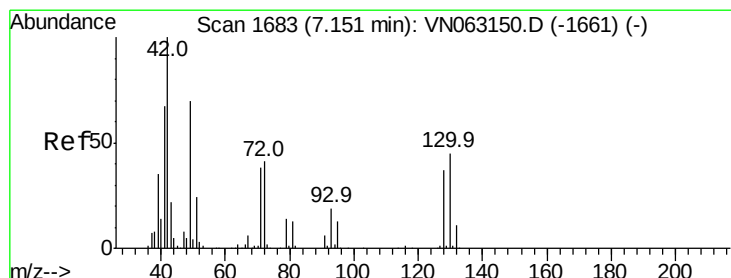
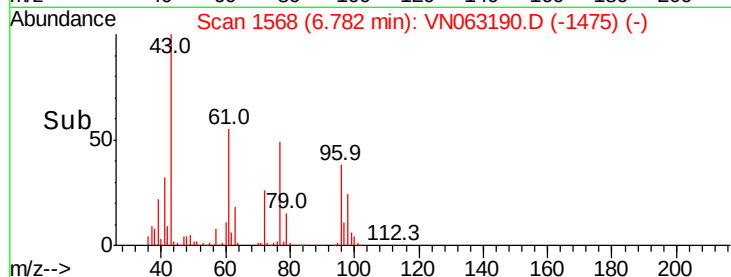
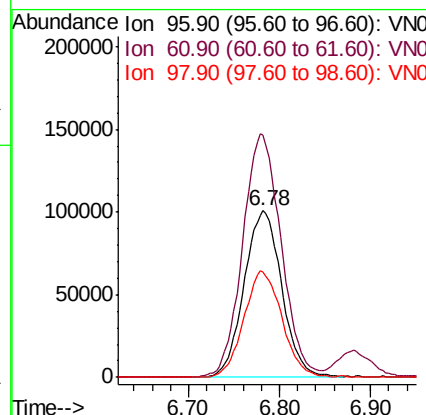
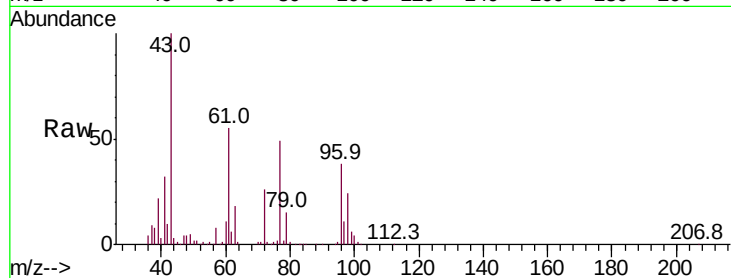




#27
 cis-1,2-Dichloroethene
 Concen: 46.414 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

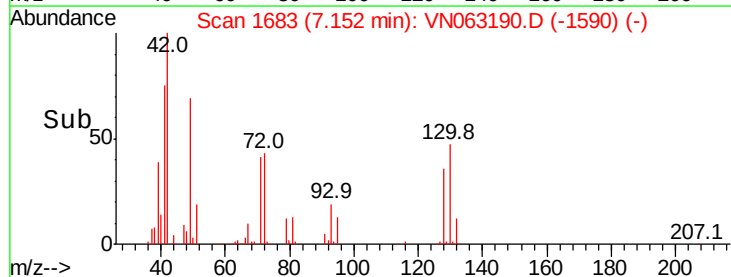
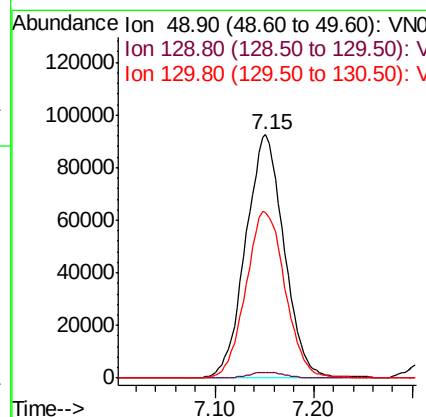
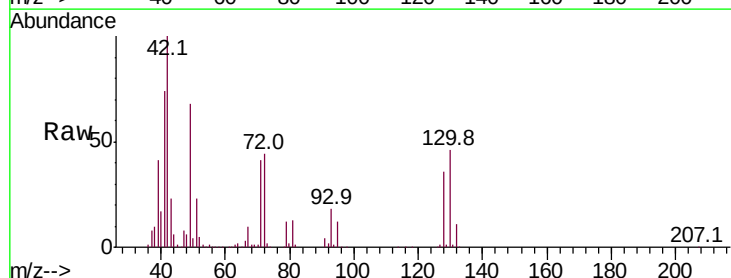
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MS

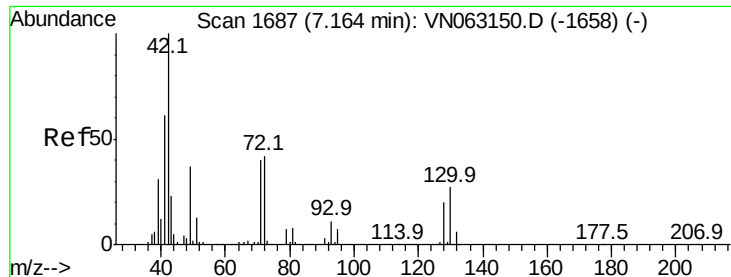
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	303.2
98	64.4	0.0	129.0



#28
 Bromochloromethane
 Concen: 46.695 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	69.7	54.4	81.6





#29

Tetrahydrofuran

Concen: 246.620 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

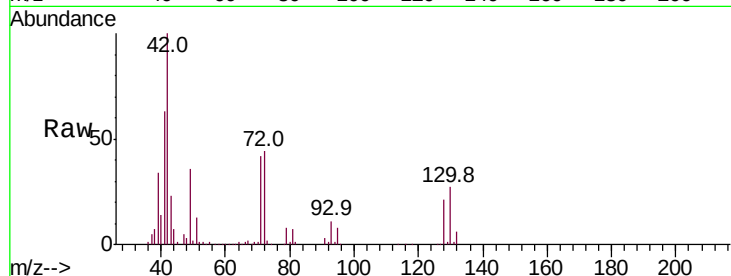
Tot Ion: 42 Resp: 520886

Ion Ratio Lower Upper

42 100

72 43.3 33.9 50.9

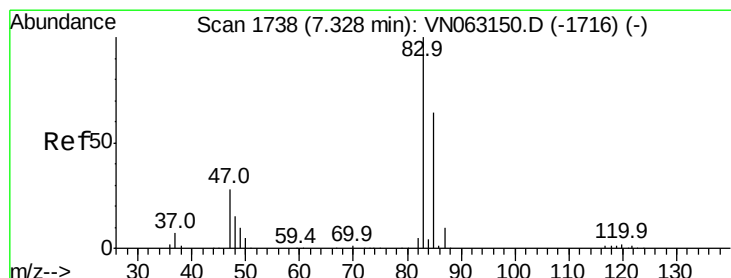
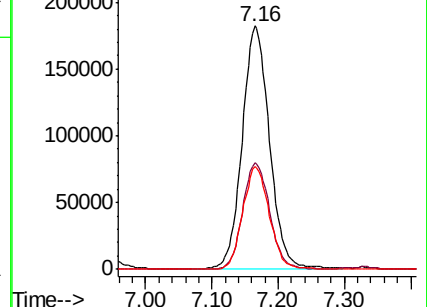
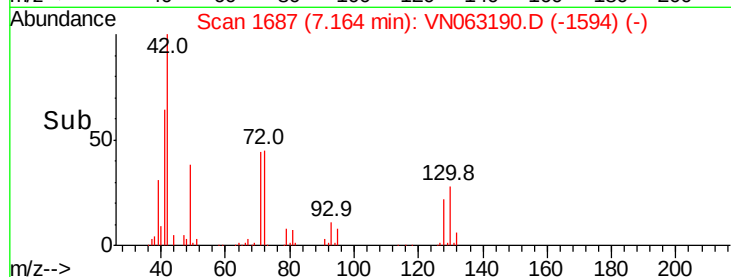
71 41.4 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VN063190.D (-1658) (-)

Ion 72.00 (71.70 to 72.70): VN063190.D (-1658) (-)

Ion 71.00 (70.70 to 71.70): VN063190.D (-1658) (-)



#30

Chloroform

Concen: 46.892 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN063190.D

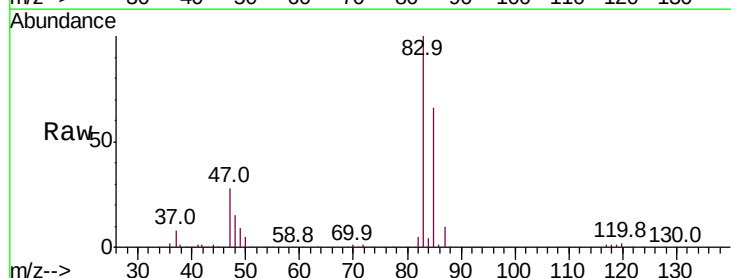
Acq: 2 Sep 2020 13:05

Tgt Ion: 83 Resp: 501335

Ion Ratio Lower Upper

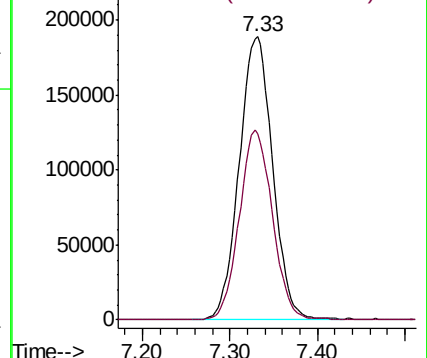
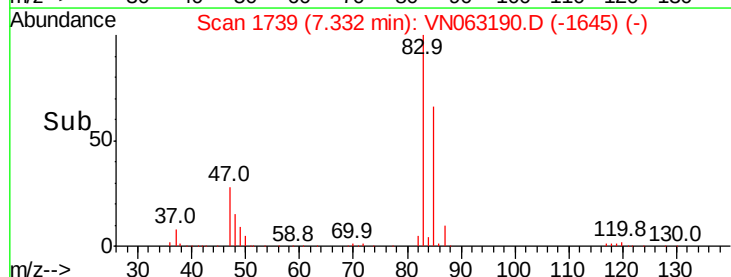
83 100

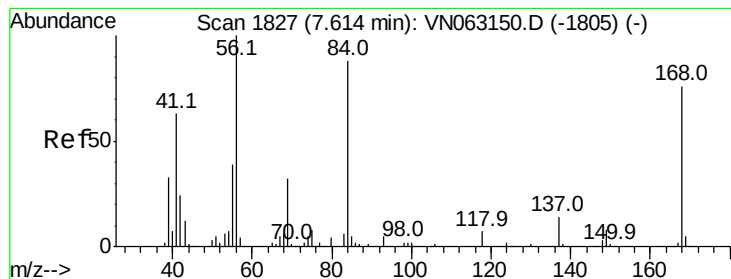
85 65.7 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VN063190.D (-1645) (-)

Ion 84.90 (84.60 to 85.60): VN063190.D (-1645) (-)





#31

Cyclohexane

Concen: 44.046 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

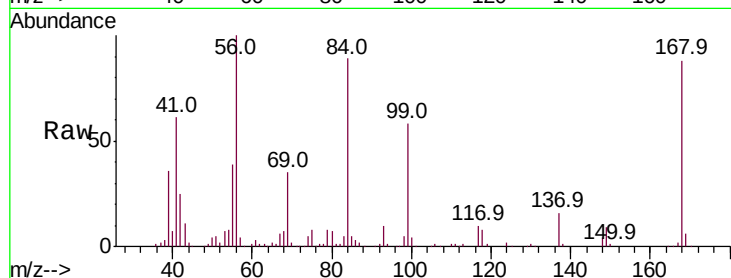
Tot Ion: 56 Resp: 398529

Ion Ratio Lower Upper

56 100

69 34.6 25.4 38.0

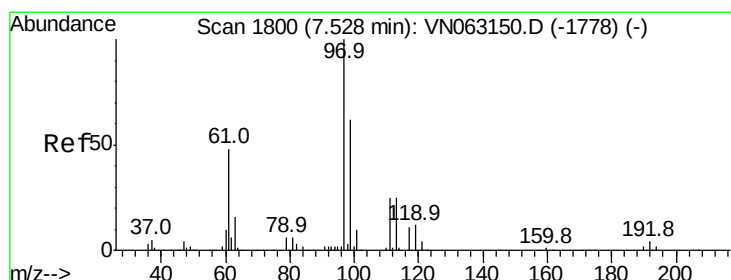
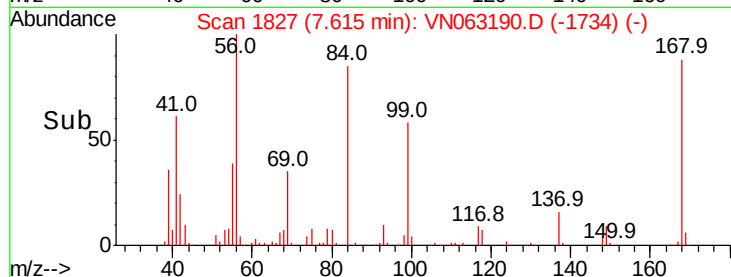
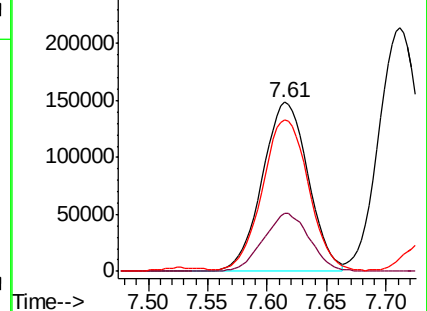
84 87.5 70.2 105.4



Abundance Ion 56.00 (55.70 to 56.70): VN063190.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN063190.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN063190.D (-1805) (-)



#32

1,1,1-Trichloroethane

Concen: 48.625 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

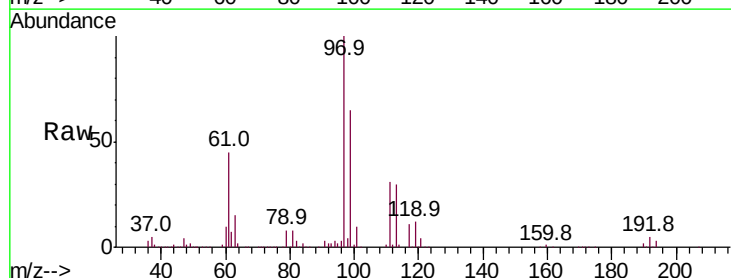
Tgt Ion: 97 Resp: 447975

Ion Ratio Lower Upper

97 100

99 63.4 50.8 76.2

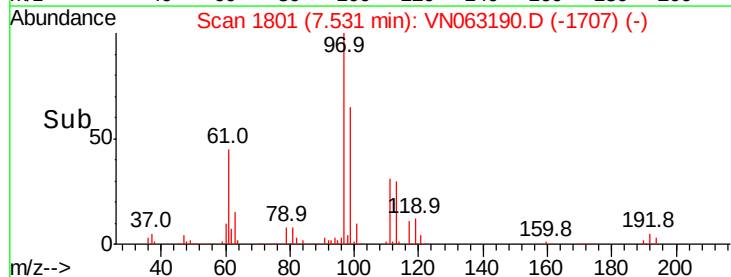
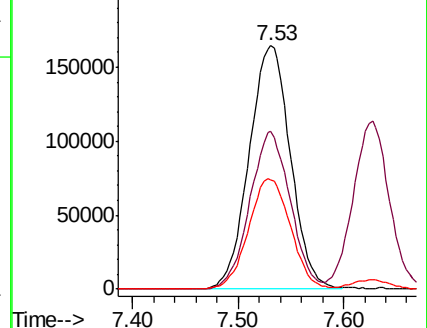
61 46.3 37.4 56.2

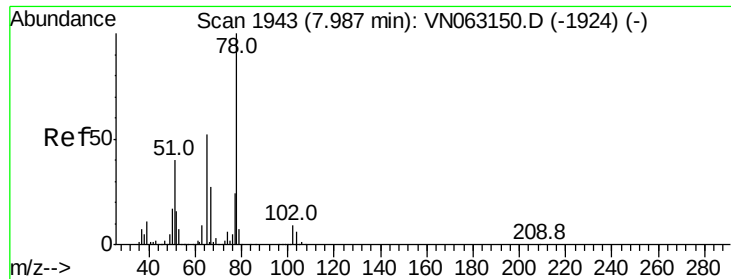


Abundance Ion 96.90 (96.60 to 97.60): VN063190.D (-1778) (-)

Ion 98.90 (98.60 to 99.60): VN063190.D (-1778) (-)

Ion 60.90 (60.60 to 61.60): VN063190.D (-1778) (-)





#33

1,2-Dichloroethane-d4

Concen: 47.235 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

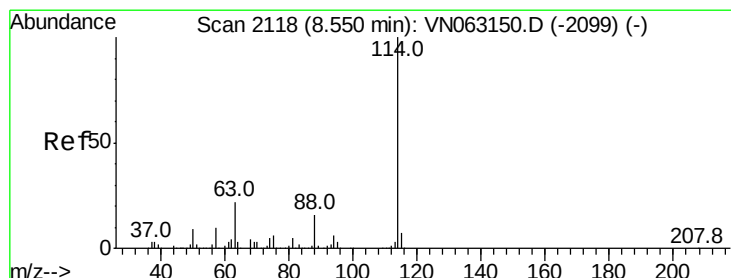
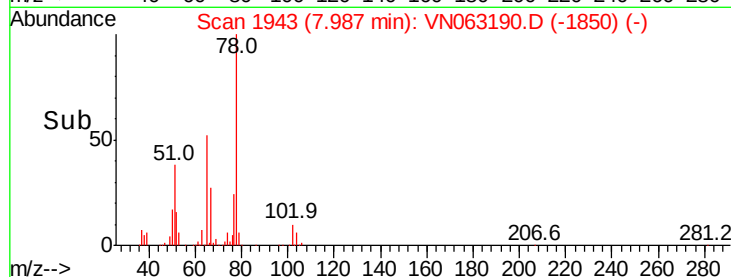
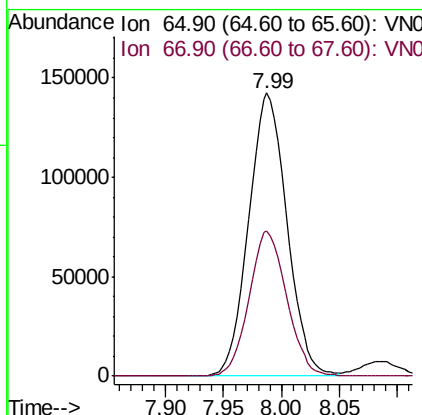
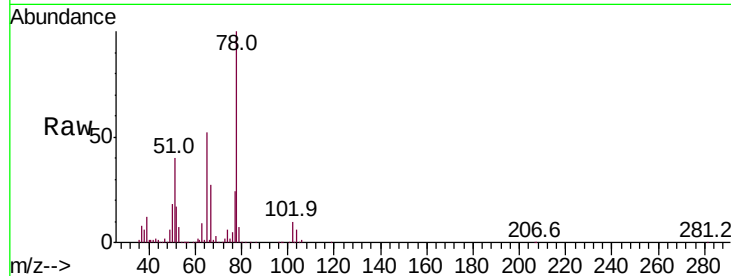
Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MS

Tot Ion: 65 Resp: 327788

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

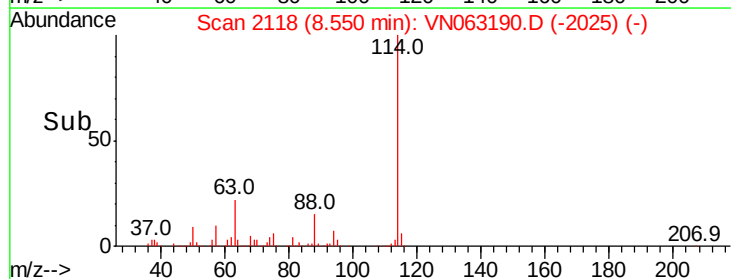
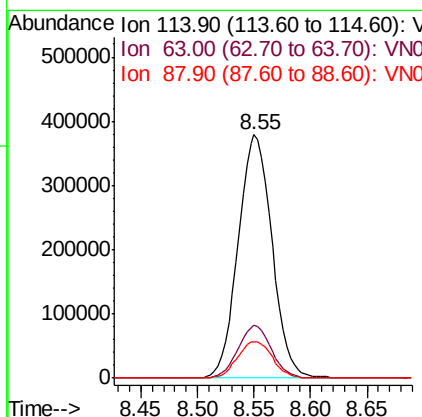
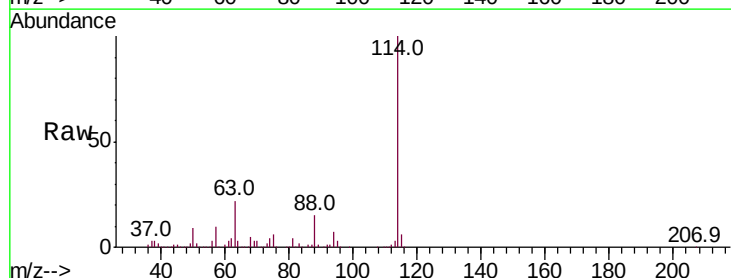
Delta R.T. 0.00 min

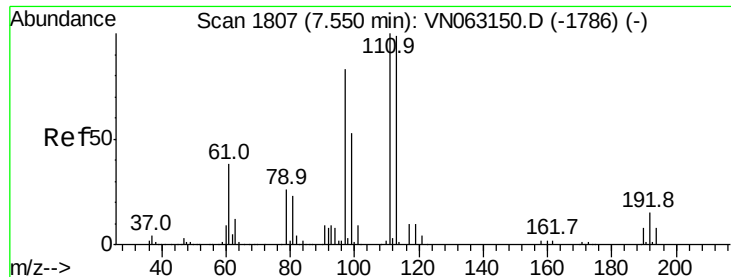
Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Tgt Ion: 114 Resp: 789853

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.0
88	15.0	0.0	31.6





#35

Dibromofluoromethane

Concen: 47.330 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

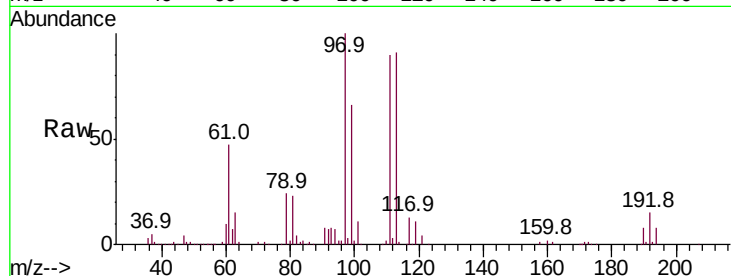
Tot Ion:113 Resp: 239836

Ion Ratio Lower Upper

113 100

111 103.2 80.7 121.1

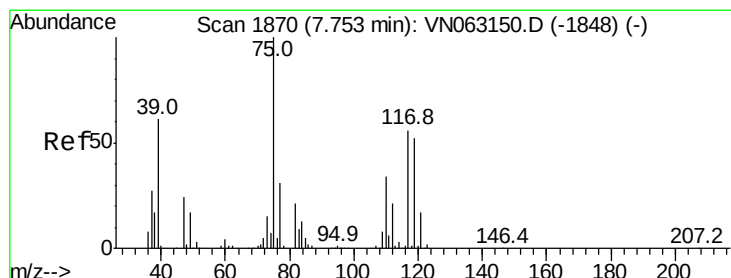
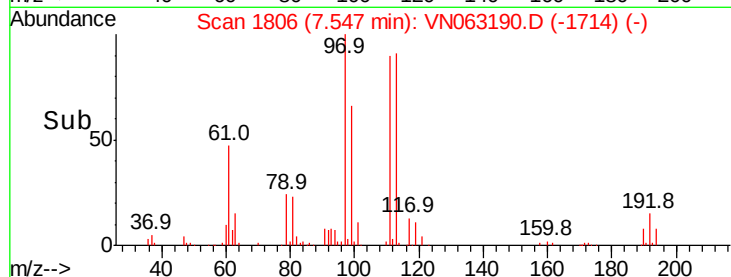
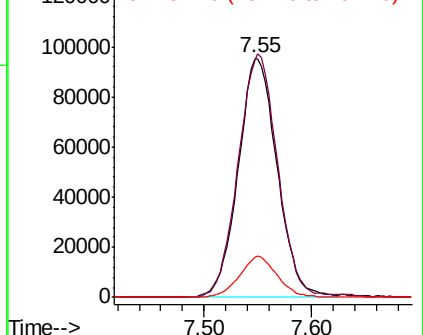
192 16.6 12.6 19.0



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: 47.940 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

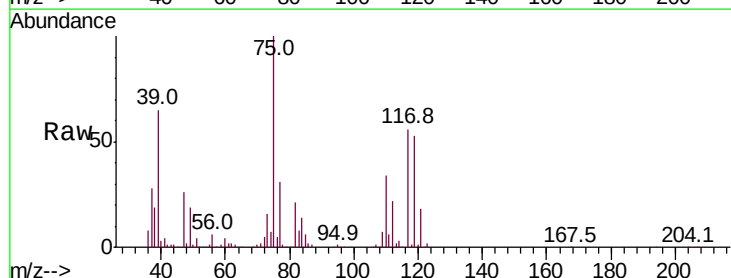
Tgt Ion: 75 Resp: 364020

Ion Ratio Lower Upper

75 100

110 33.8 16.6 49.8

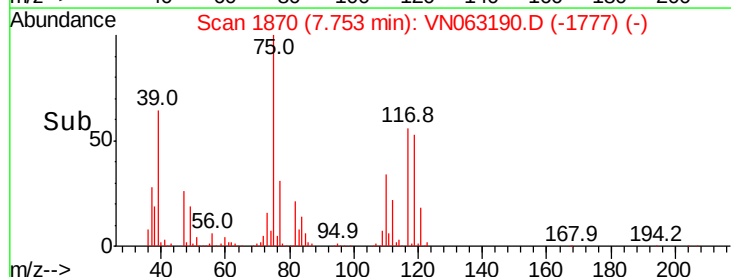
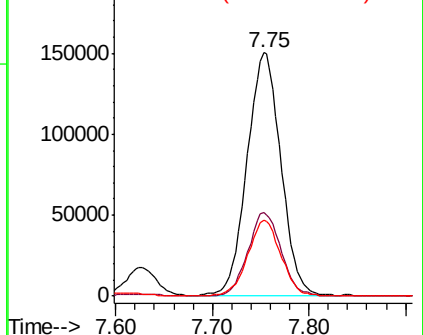
77 30.8 25.4 38.2

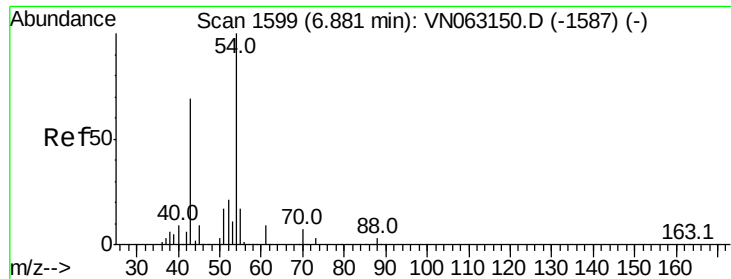


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

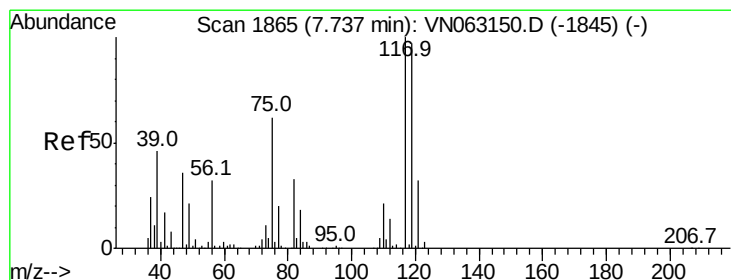
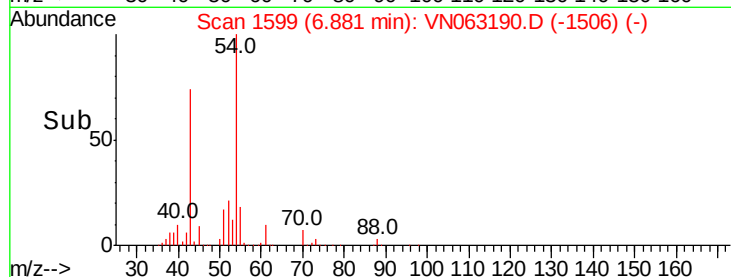
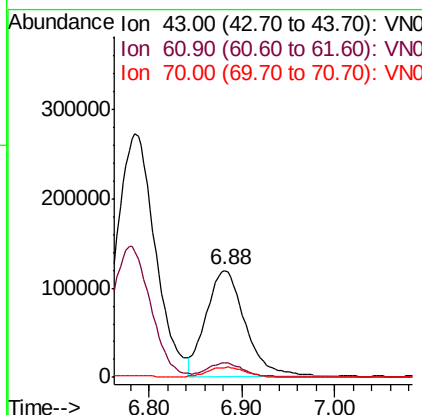
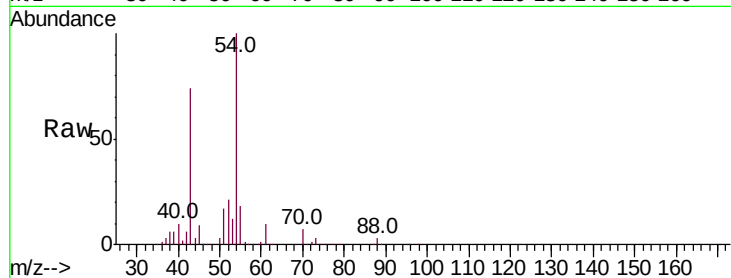




#37
Ethyl Acetate
Concen: 48.246 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

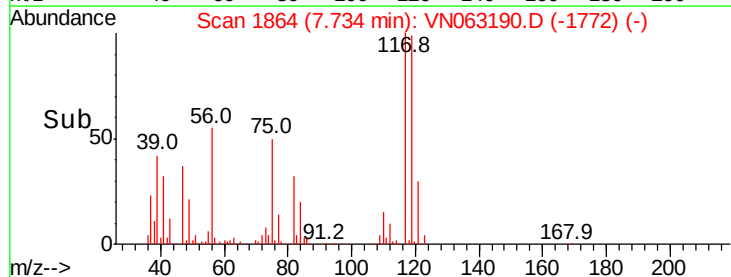
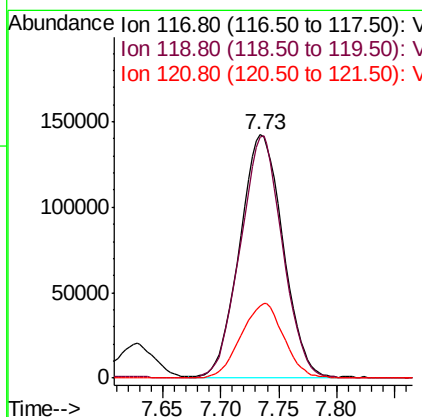
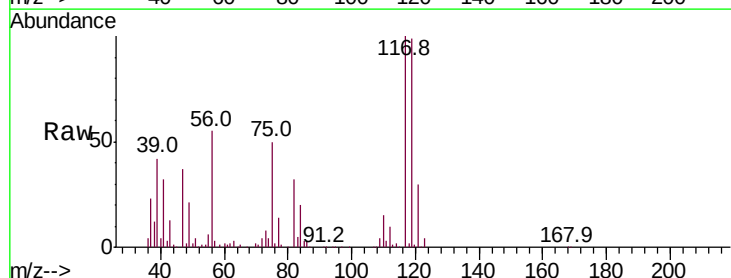
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MS

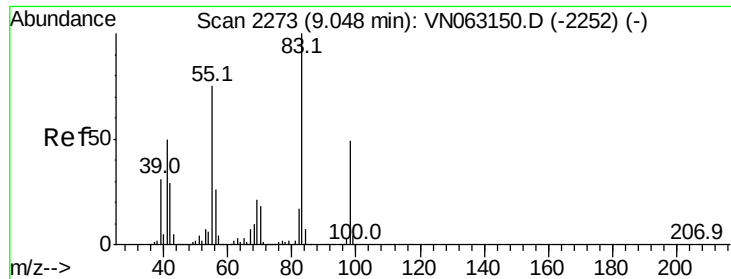
Tot Ion: 43 Resp: 345830
Ion Ratio Lower Upper
43 100
61 12.0 10.2 15.4
70 9.1 3.0 4.6#



#38
Carbon Tetrachloride
Concen: 47.744 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion: 117 Resp: 367659
Ion Ratio Lower Upper
117 100
119 99.0 77.2 115.8
121 29.9 25.6 38.4

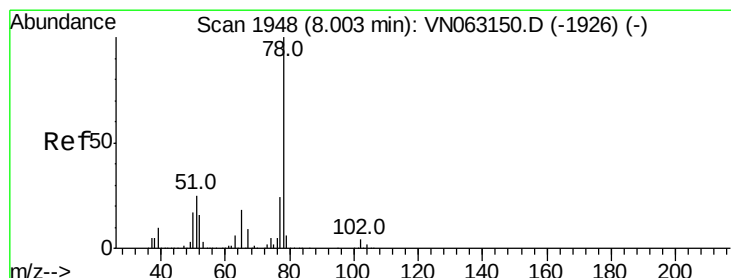
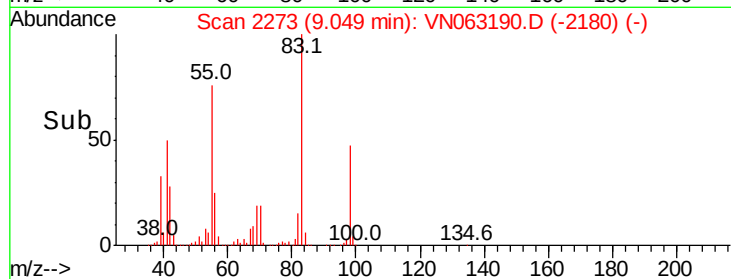
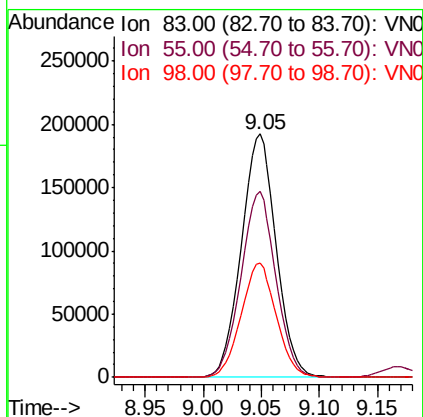
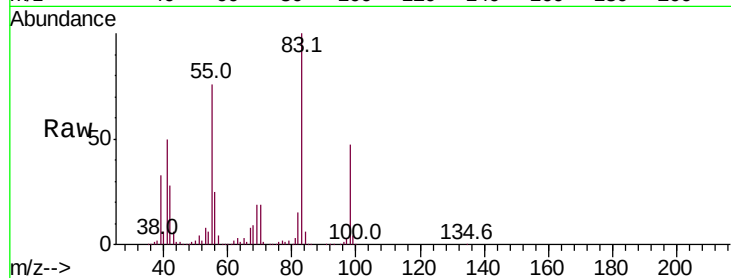




#39
Methylvlcyclohexane
Concen: 47.054 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

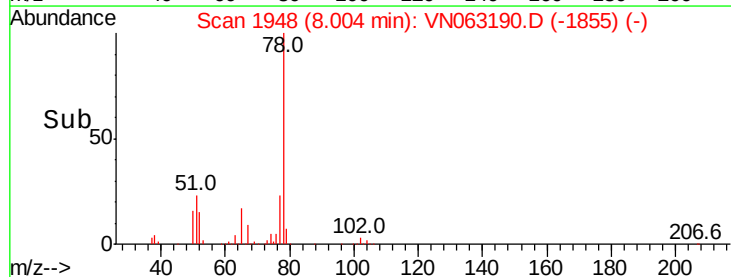
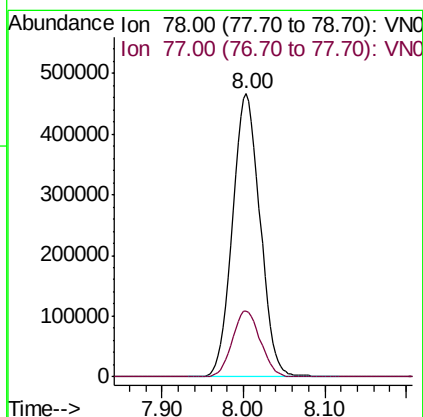
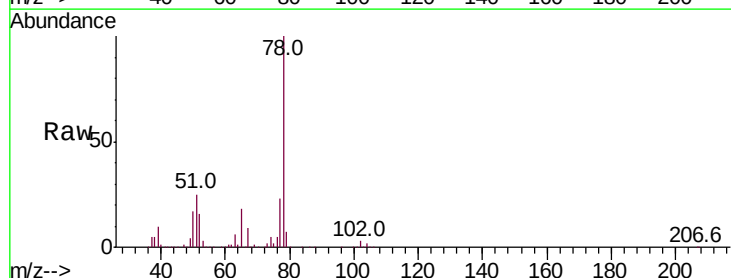
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MS

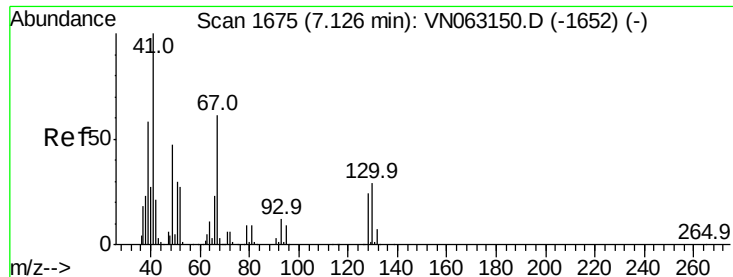
Tot Ion	83	Resp	401387
Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.3	90.5
98	47.0	38.9	58.3



#40
Benzene
Concen: 49.330 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion	78	Resp	1100740
Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9





#41

Methacrylonitrile

Concen: 156.577 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.04 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion: 41 Resp: 500866

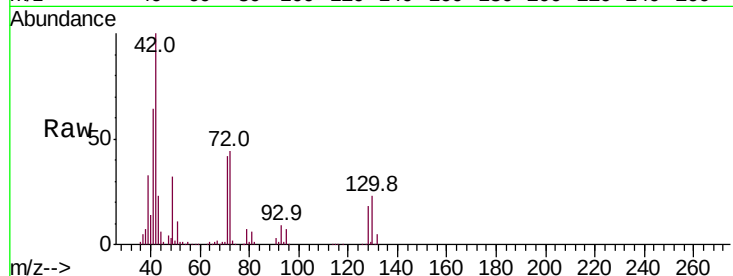
Ion Ratio Lower Upper

41 100

39 0.0 46.6 70.0#

67 0.0 62.6 94.0#

52 0.0 28.0 42.0#

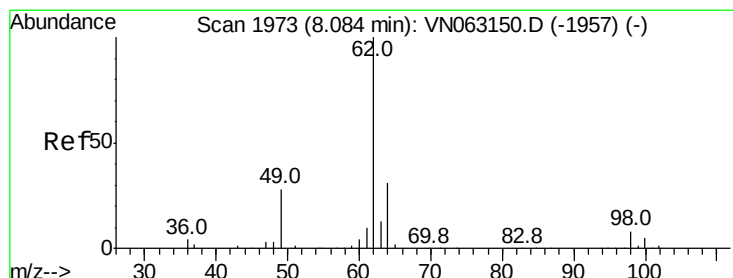
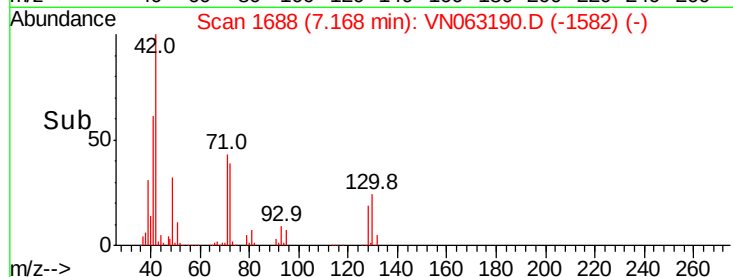
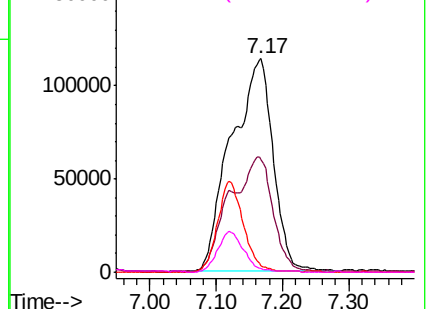


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 50.061 ug/l

RT: 8.09 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VN063190.D

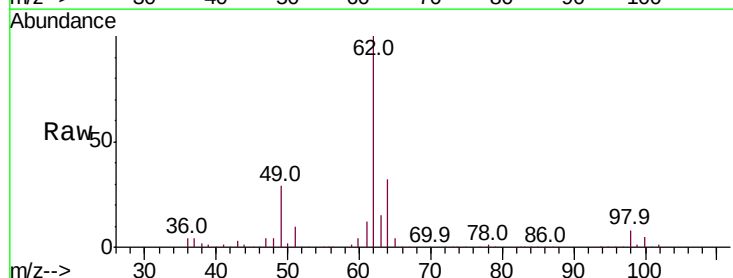
Acq: 2 Sep 2020 13:05

Tgt Ion: 62 Resp: 417268

Ion Ratio Lower Upper

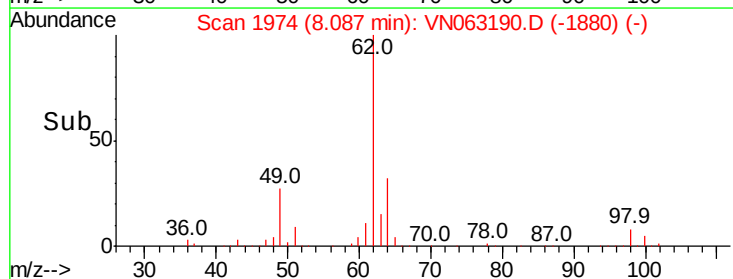
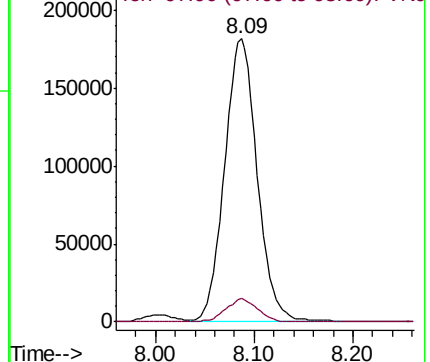
62 100

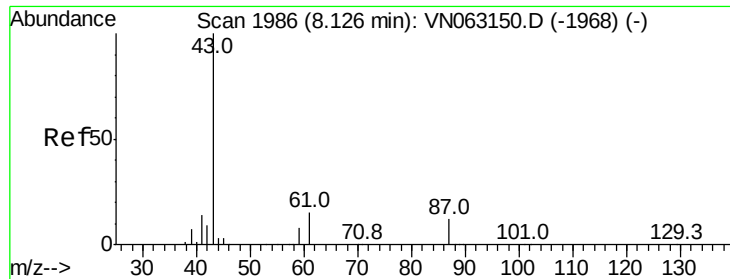
98 8.1 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 50.584 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

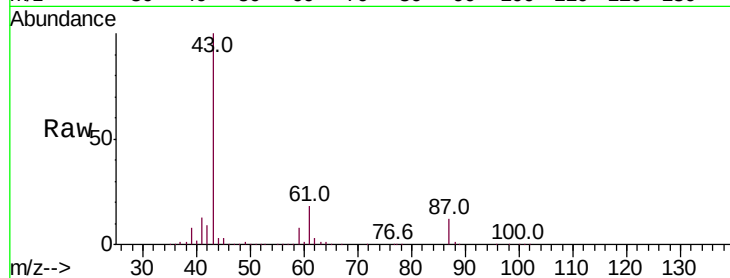
Tot Ion: 43 Resp: 626403

Ion Ratio Lower Upper

43 100

61 24.8 20.2 30.4

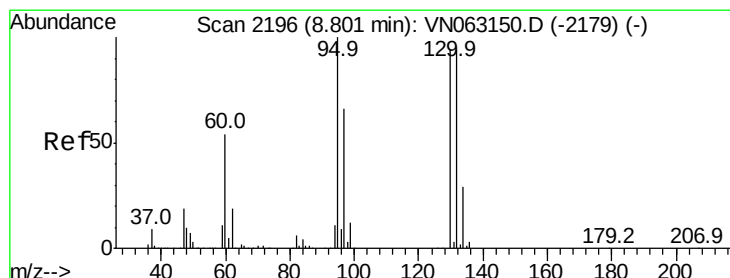
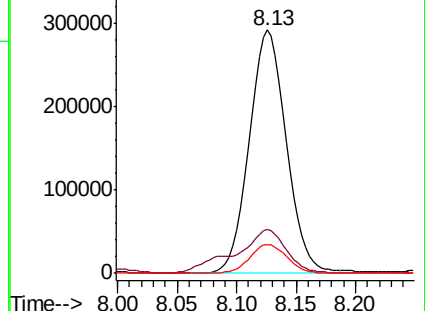
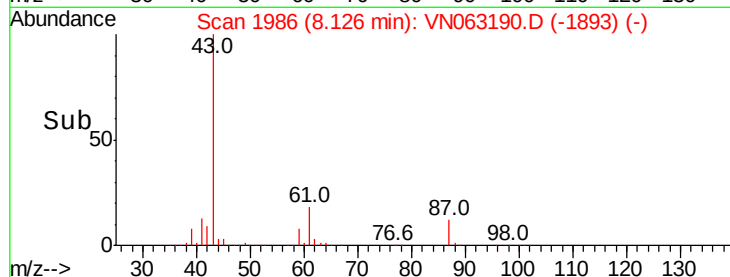
87 12.1 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN063190.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN063190.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN063190.D (-1893) (-)



#44

Trichloroethene

Concen: 52.097 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063190.D

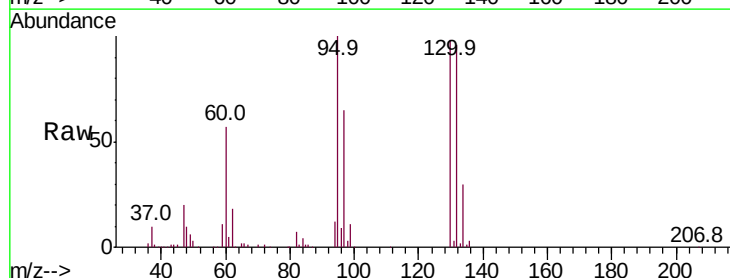
Acq: 2 Sep 2020 13:05

Tgt Ion:130 Resp: 281966

Ion Ratio Lower Upper

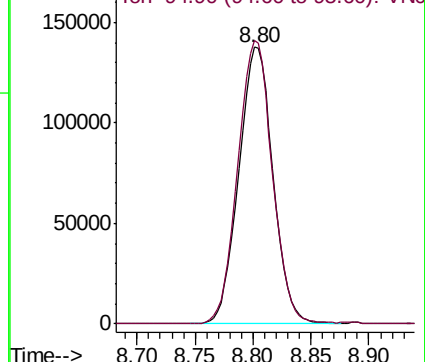
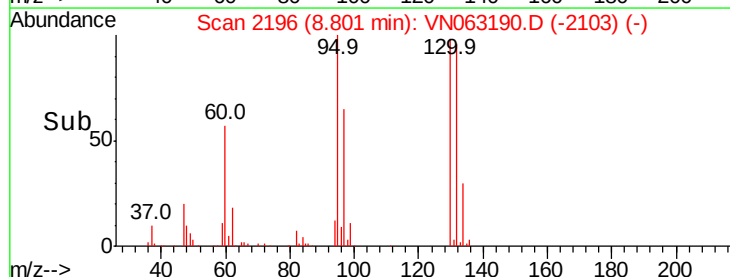
130 100

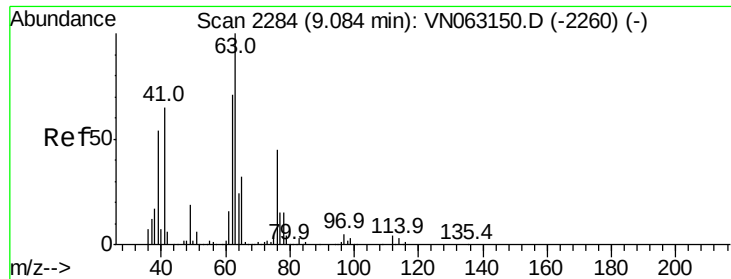
95 102.3 0.0 212.0



Abundance Ion 129.80 (129.50 to 130.50): VN063190.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN063190.D (-2103) (-)

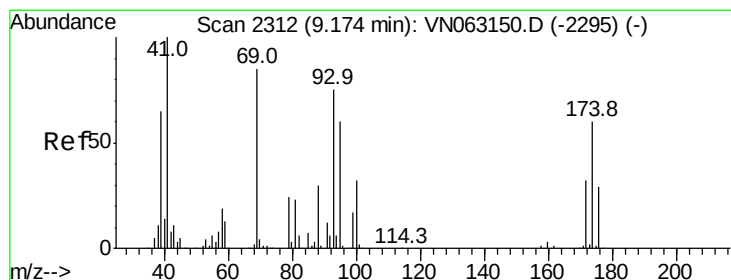
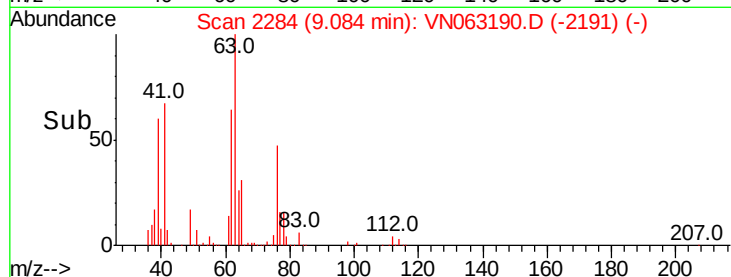
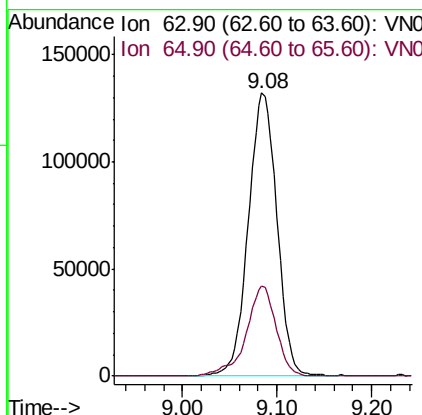
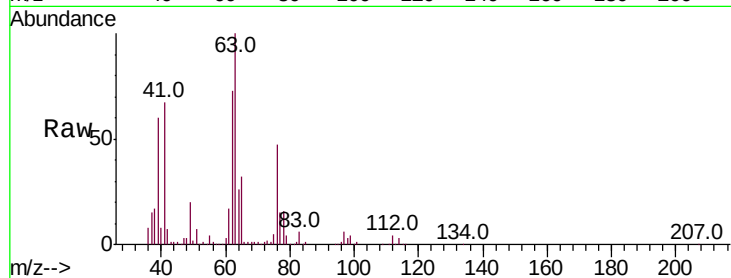




#45
 1,2-Dichloropropane
 Concen: 47.023 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

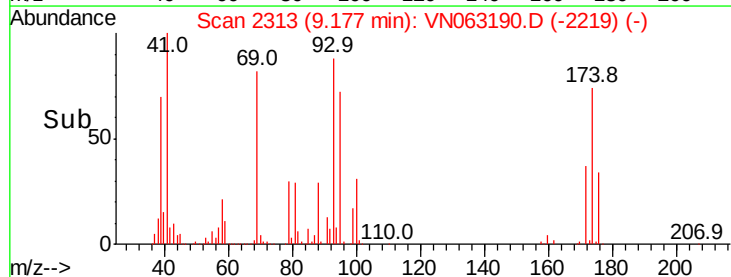
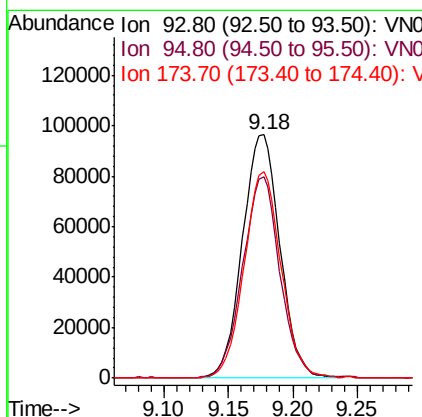
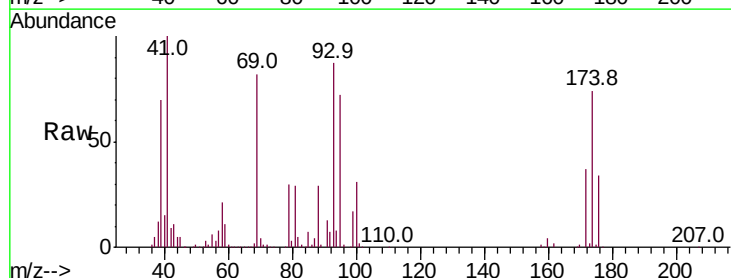
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MS

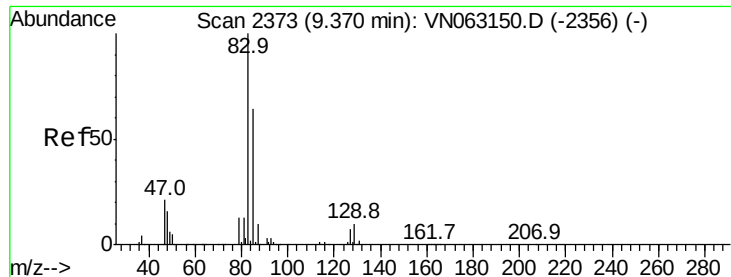
Tot Ion: 63 Resp: 277809
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.4 38.0



#46
 Dibromomethane
 Concen: 50.065 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion: 93 Resp: 196012
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.2 97.8
 174 83.4 64.6 97.0





#47

Bromodichloromethane

Concen: 49.444 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

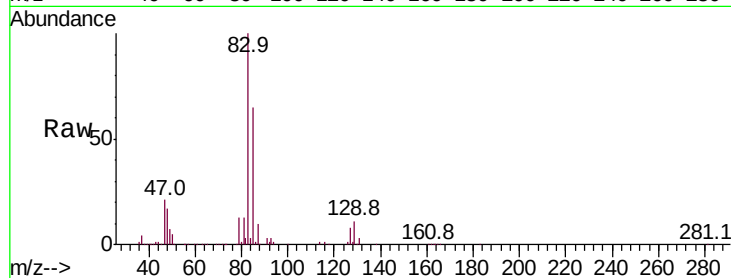
Tot Ion: 83 Resp: 414933

Ion Ratio Lower Upper

83 100

85 64.8 51.0 76.6

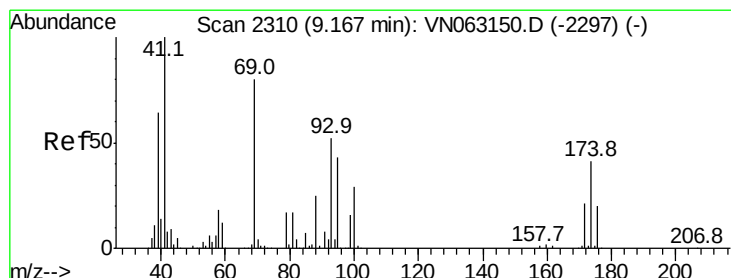
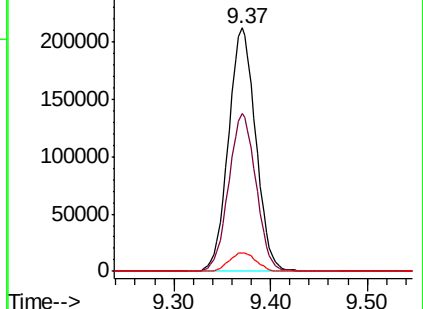
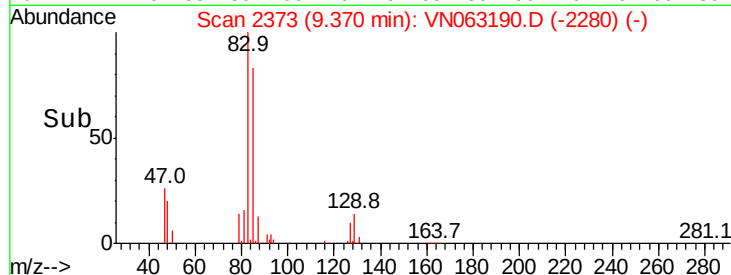
127 7.8 5.7 8.5



Abundance Ion 82.90 (82.60 to 83.60): VN063190.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN063190.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN063190.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.913 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

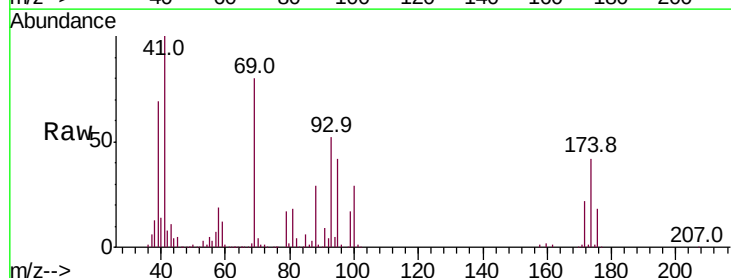
Tgt Ion: 41 Resp: 289803

Ion Ratio Lower Upper

41 100

69 82.5 65.9 98.9

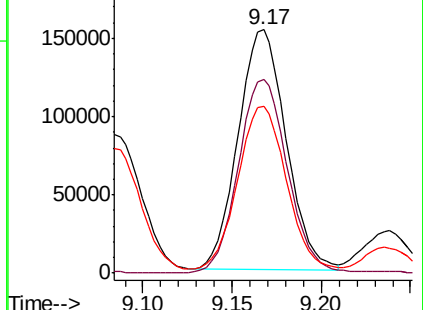
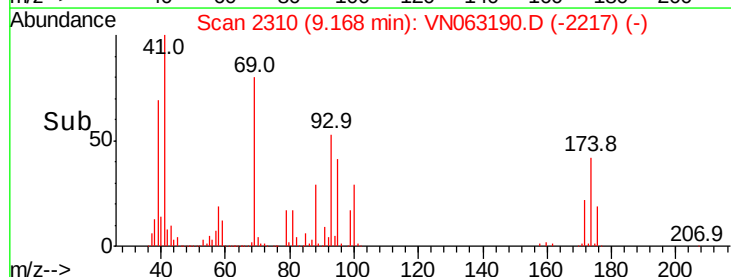
39 71.3 52.0 78.0

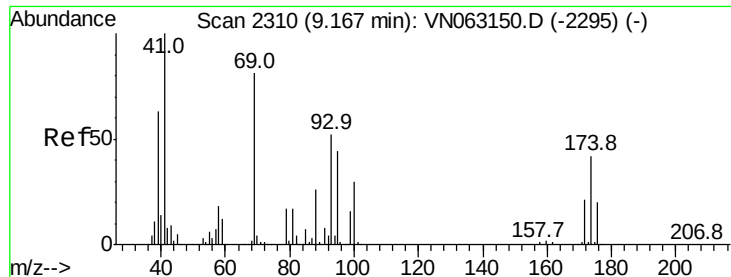


Abundance Ion 41.00 (40.70 to 41.70): VN063190.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN063190.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN063190.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1020.712 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

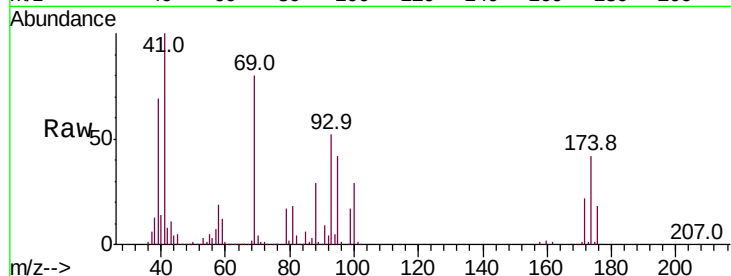
Tot Ion: 88 Resp: 88133

Ion Ratio Lower Upper

88 100

43 34.7 28.6 42.8

58 68.6 53.2 79.8

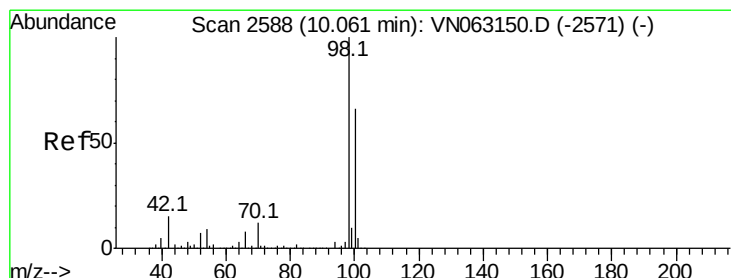
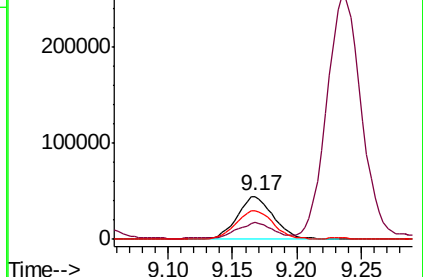
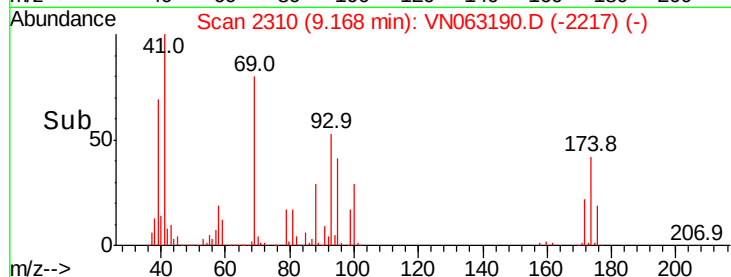


Abundance Ion 88.00 (87.70 to 88.70): VN063190.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN063190.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN063190.D (-2217) (-)

Time-->



#50

Toluene-d8

Concen: 47.639 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063190.D

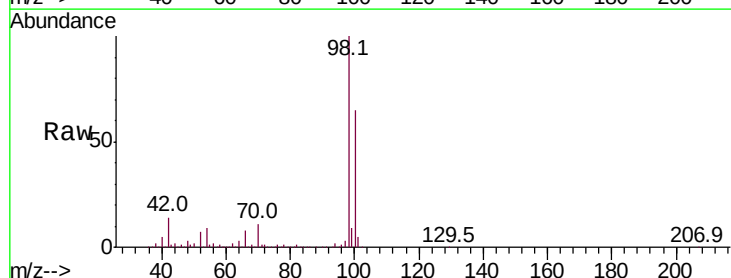
Acq: 2 Sep 2020 13:05

Tgt Ion: 98 Resp: 929148

Ion Ratio Lower Upper

98 100

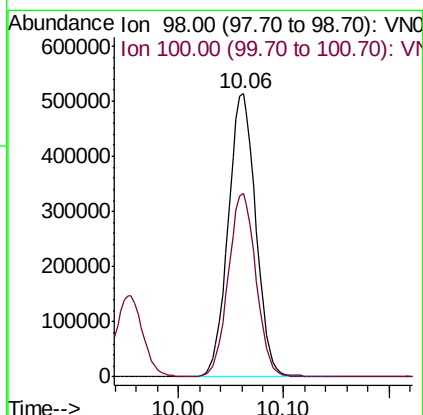
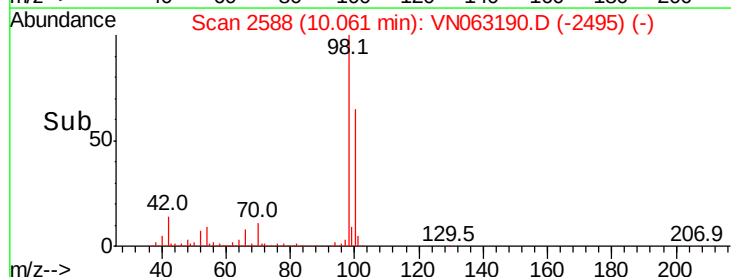
100 64.9 52.0 78.0

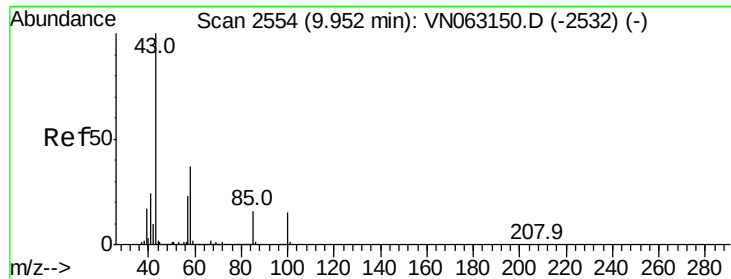


Abundance Ion 98.00 (97.70 to 98.70): VN063190.D (-2495) (-)

Ion 100.00 (99.70 to 100.70): VN063190.D (-2495) (-)

Time-->





#51

4-Methyl-2-Pentanone

Concen: 268.032 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

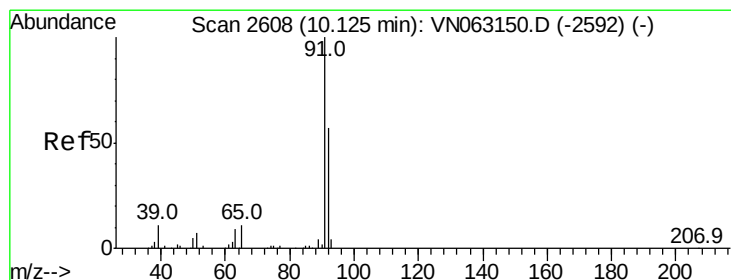
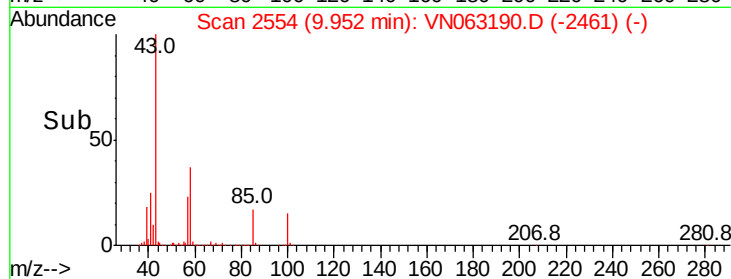
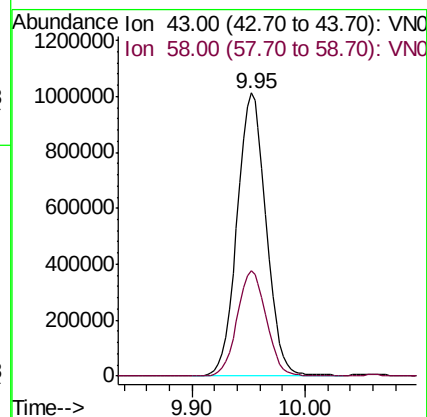
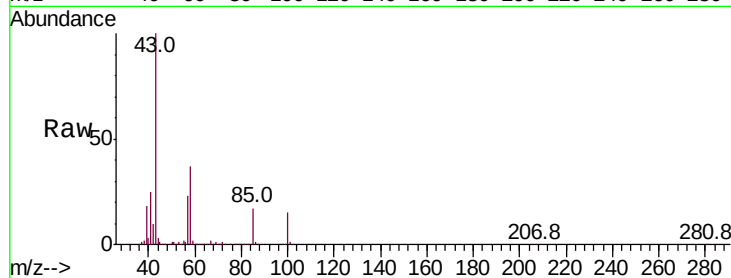
BP-VPB181-GW-783-785MS

Tot Ion: 43 Resp: 1803658

Ion Ratio Lower Upper

43 100

58 37.3 29.2 43.8



#52

Toluene

Concen: 49.923 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063190.D

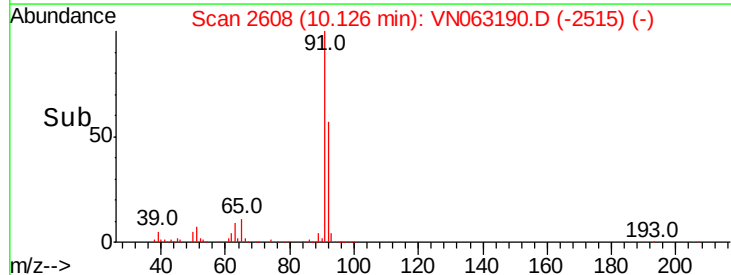
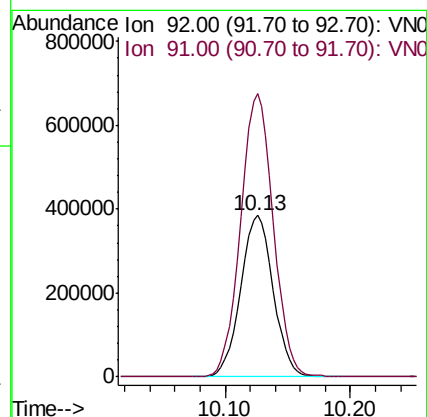
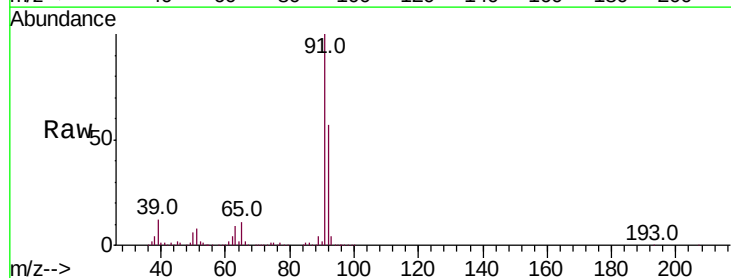
Acq: 2 Sep 2020 13:05

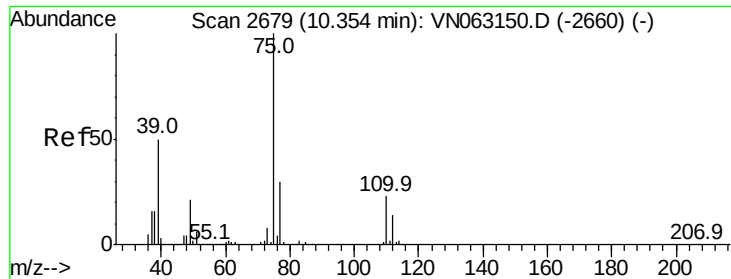
Tgt Ion: 92 Resp: 693935

Ion Ratio Lower Upper

92 100

91 176.1 141.2 211.8

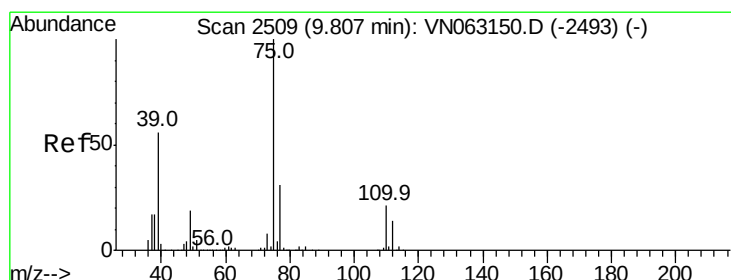
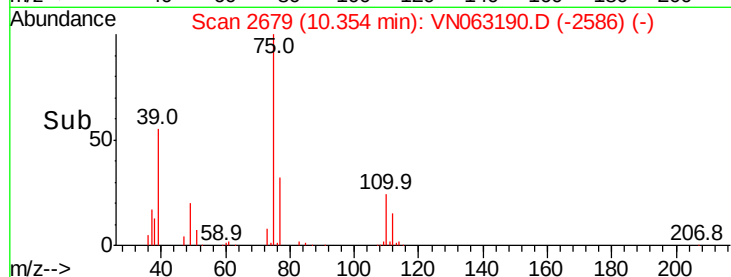
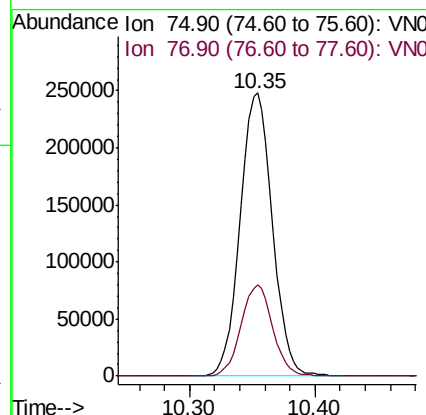
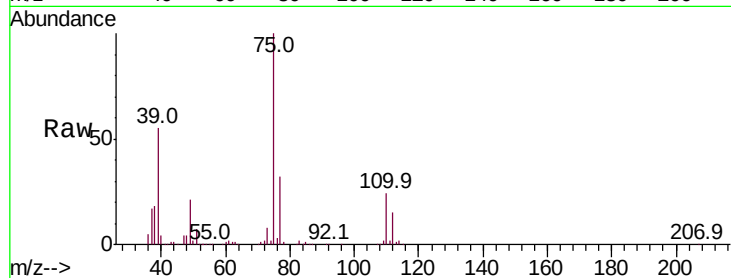




#53
t-1,3-Dichloropropene
Concen: 48.234 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

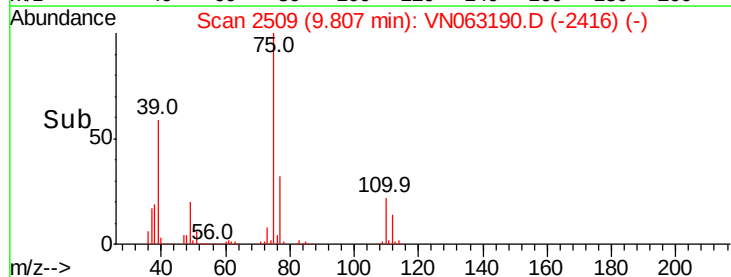
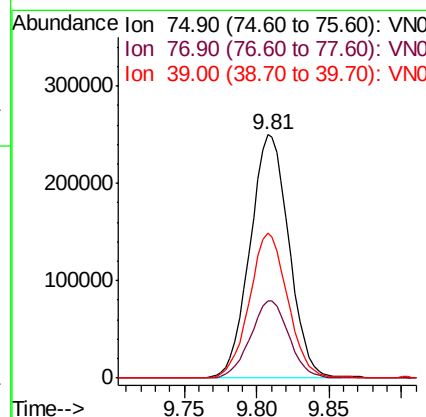
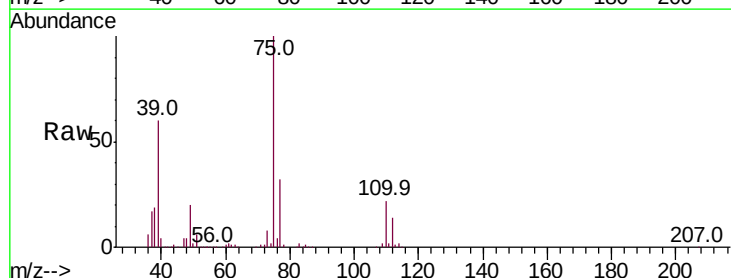
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MS

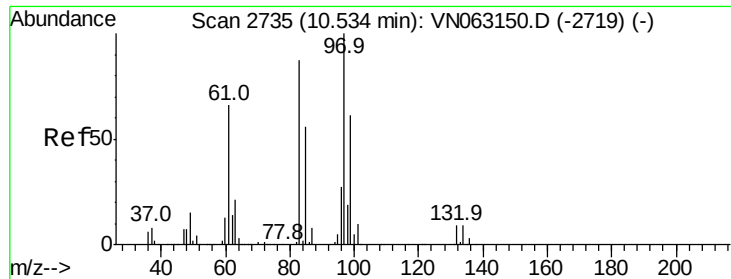
Tot Ion: 75 Resp: 442766
Ion Ratio Lower Upper
75 100
77 32.1 24.2 36.2



#54
cis-1,3-Dichloropropene
Concen: 48.469 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion: 75 Resp: 467032
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2
39 59.5 45.0 67.6

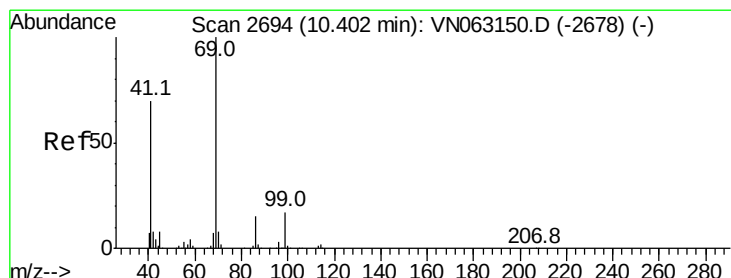
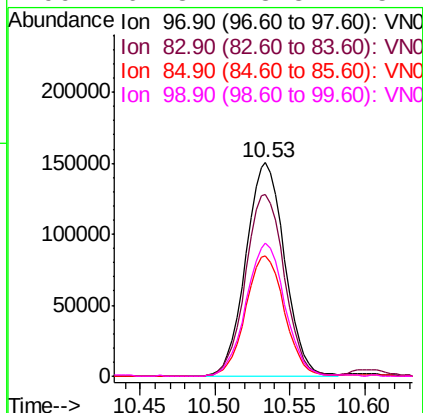
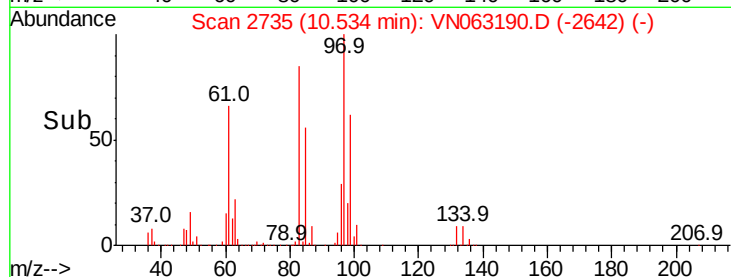
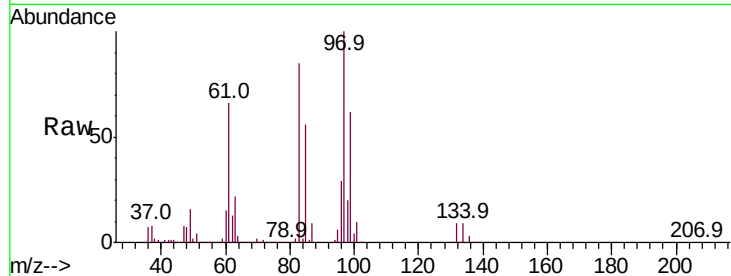




#55
 1,1,2-Trichloroethane
 Concen: 51.017 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

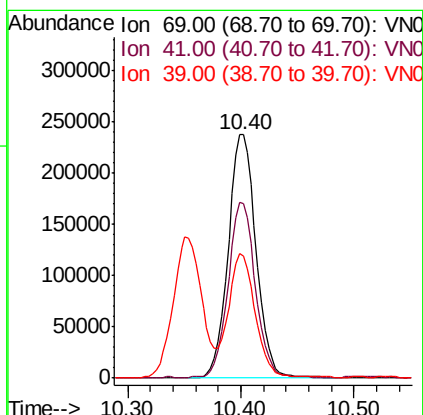
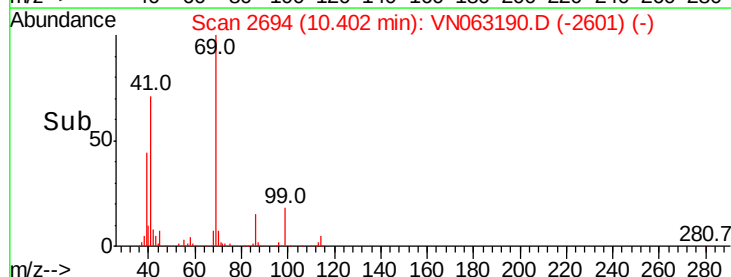
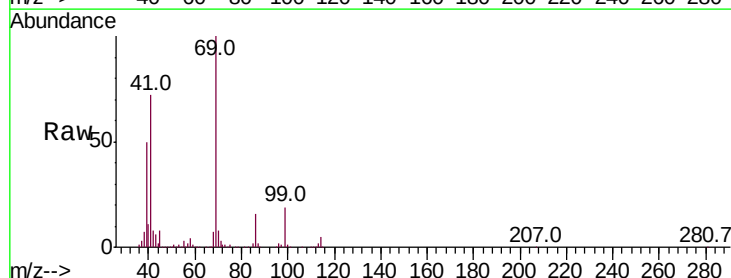
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MS

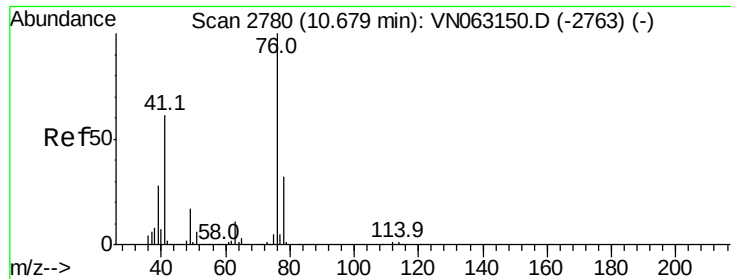
Tot Ion:	97	Resp:	271580
Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.8	104.8
85	56.2	44.9	67.3
99	61.8	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 50.047 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion:	69	Resp:	405441
Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.5	83.3
39	49.3	38.2	57.2





#57

1,3-Dichloropropane

Concen: 49.865 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

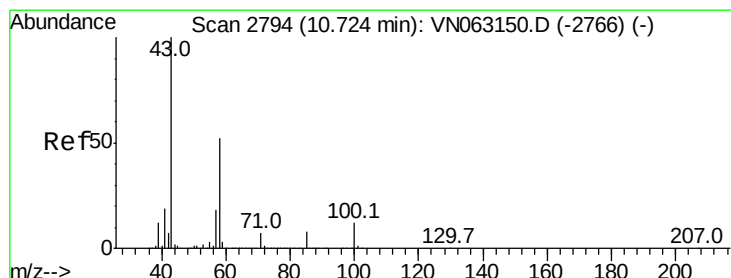
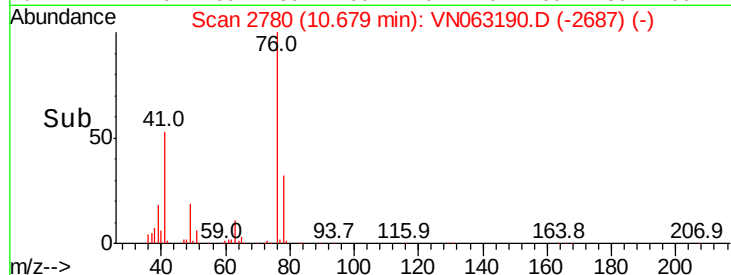
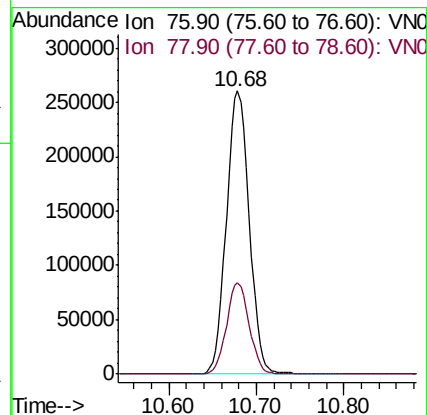
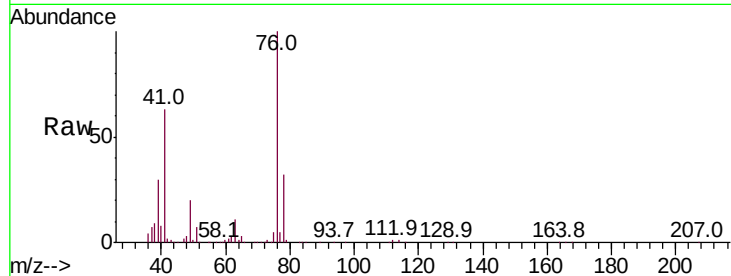
BP-VPB181-GW-783-785MS

Tot Ion: 76 Resp: 472890

Ion Ratio Lower Upper

76 100

78 32.2 25.5 38.3



#59

2-Hexanone

Concen: 278.706 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN063190.D

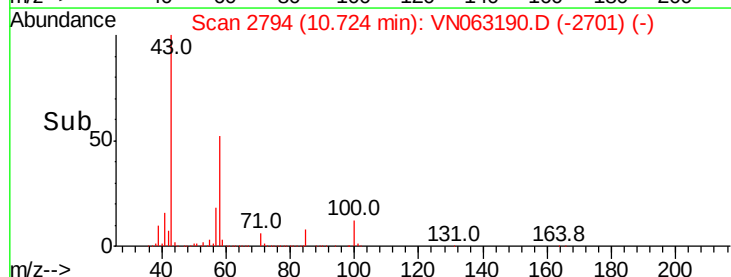
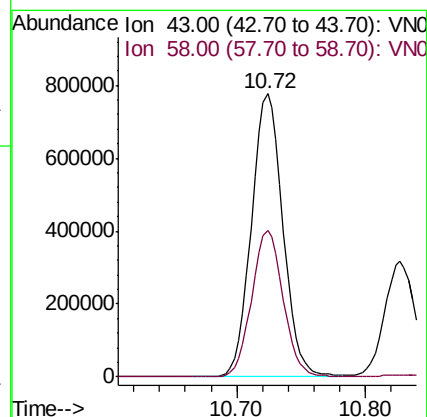
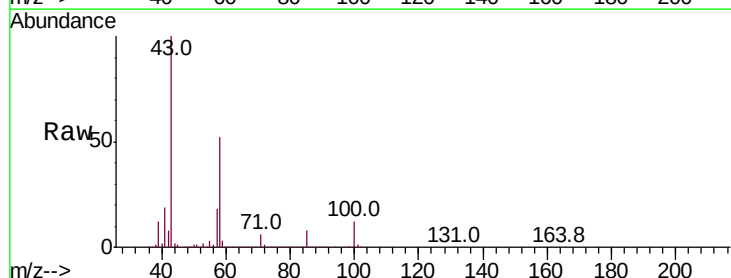
Acq: 2 Sep 2020 13:05

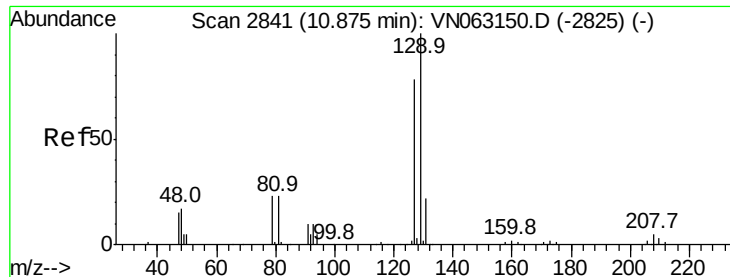
Tgt Ion: 43 Resp: 1318063

Ion Ratio Lower Upper

43 100

58 52.0 25.9 77.8





#60

Dibromochloromethane

Concen: 51.139 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

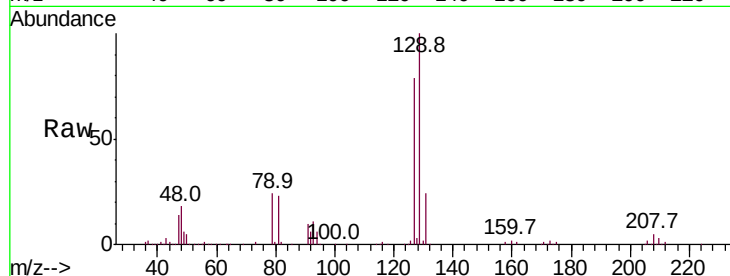
BP-VPB181-GW-783-785MS

Tot Ion:129 Resp: 300967

Ion Ratio Lower Upper

129 100

127 78.1 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.87

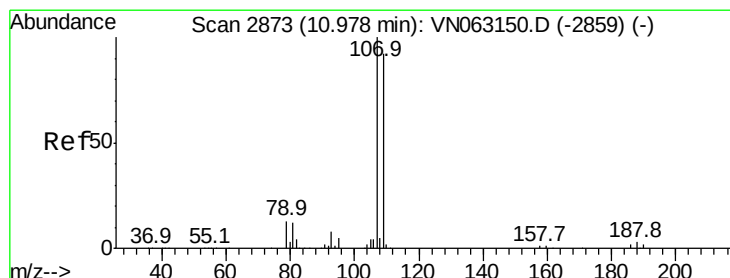
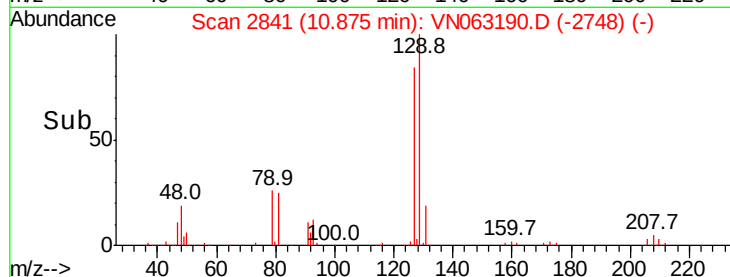
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 50.911 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063190.D

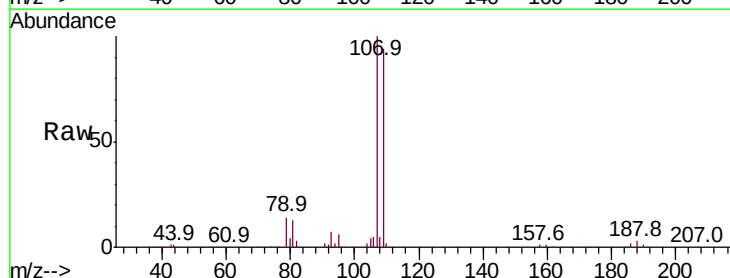
Acq: 2 Sep 2020 13:05

Tgt Ion:107 Resp: 281731

Ion Ratio Lower Upper

107 100

109 94.1 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

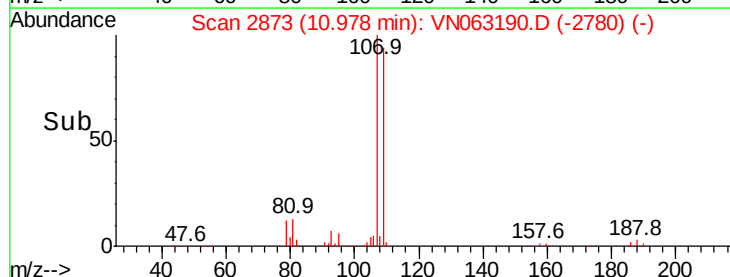
150000

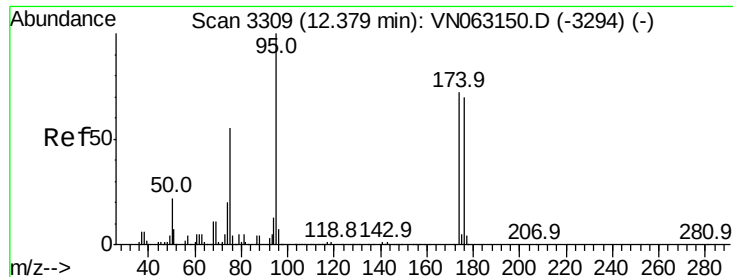
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.474 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

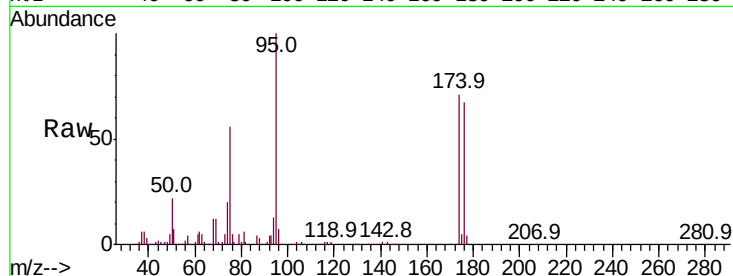
Tot Ion: 95 Resp: 337543

Ion Ratio Lower Upper

95 100

174 71.5 0.0 143.8

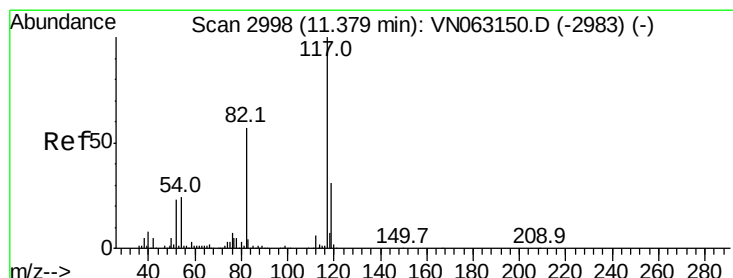
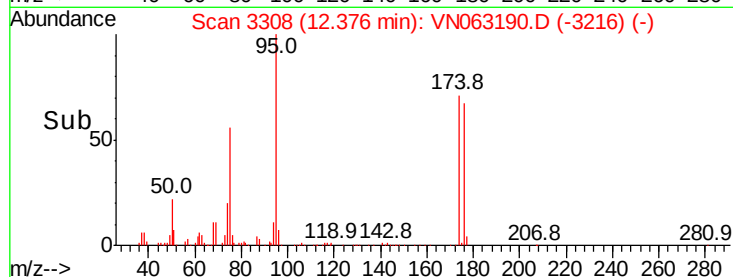
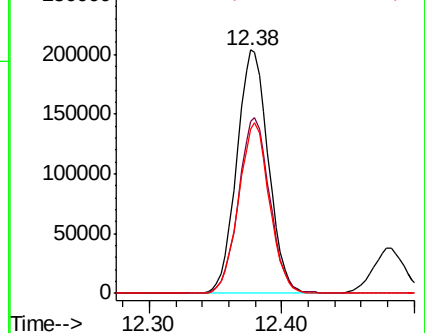
176 68.5 0.0 138.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2999

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

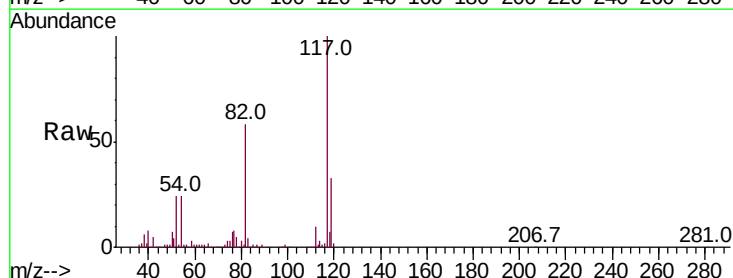
Tgt Ion: 117 Resp: 738386

Ion Ratio Lower Upper

117 100

82 57.6 45.4 68.0

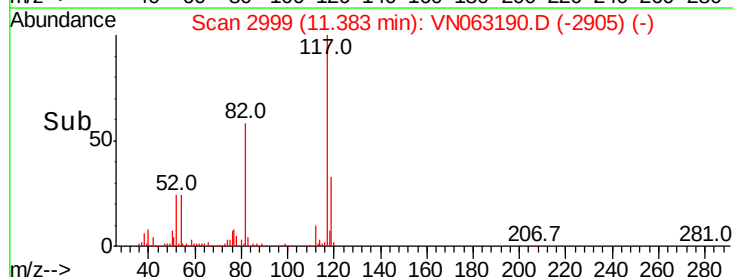
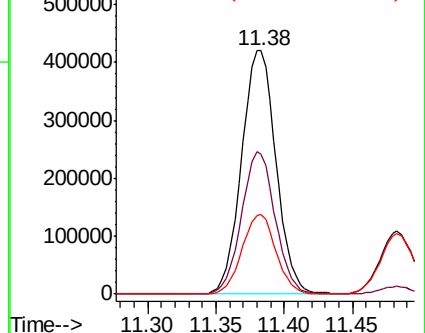
119 32.7 24.6 37.0

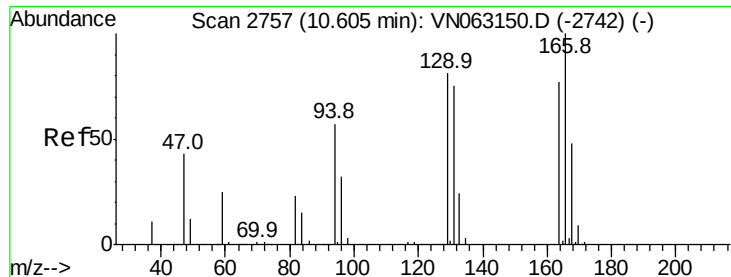


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 54.416 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion:164 Resp: 288533

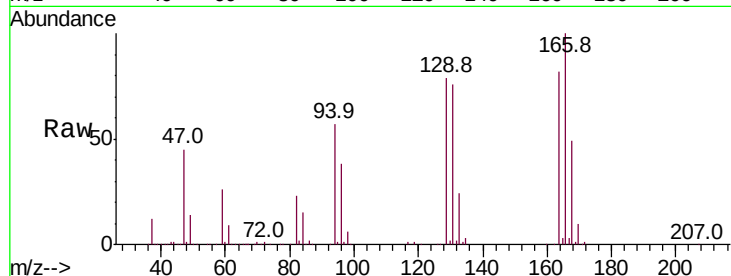
Ion Ratio Lower Upper

164 100

166 121.6 103.4 155.2

129 95.6 83.4 125.0

131 92.3 77.8 116.8

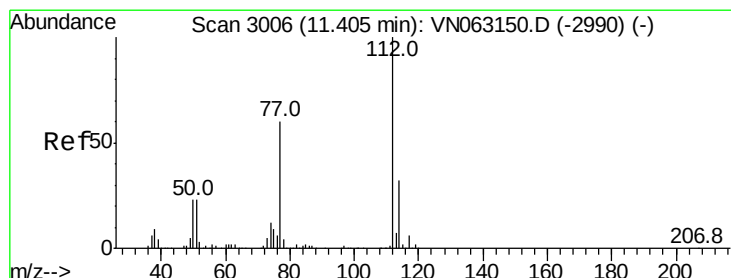
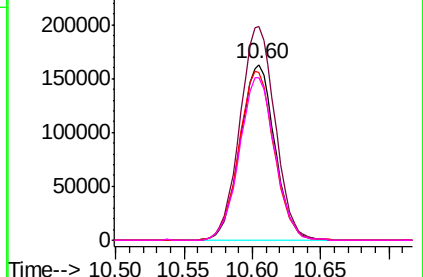
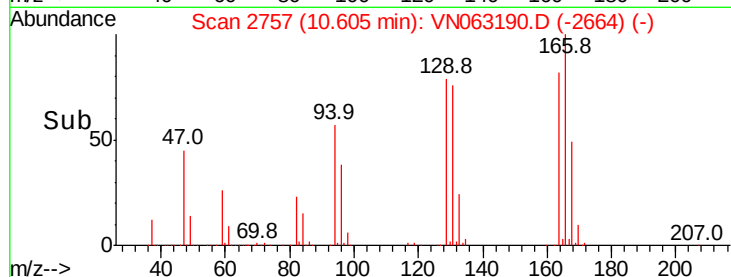


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 48.655 ug/l

RT: 11.41 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VN063190.D

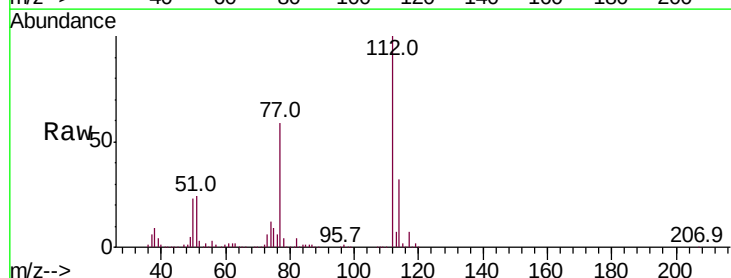
Acq: 2 Sep 2020 13:05

Tgt Ion:112 Resp: 723589

Ion Ratio Lower Upper

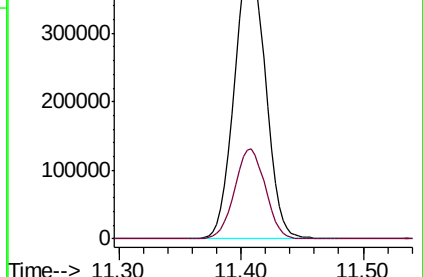
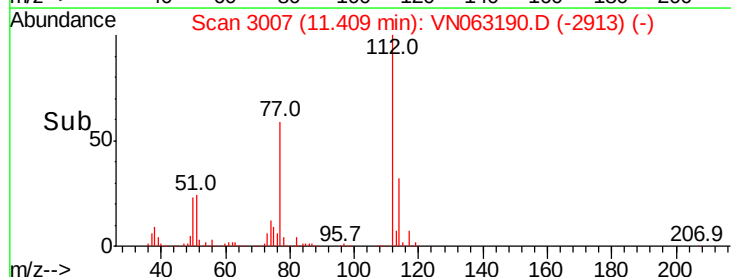
112 100

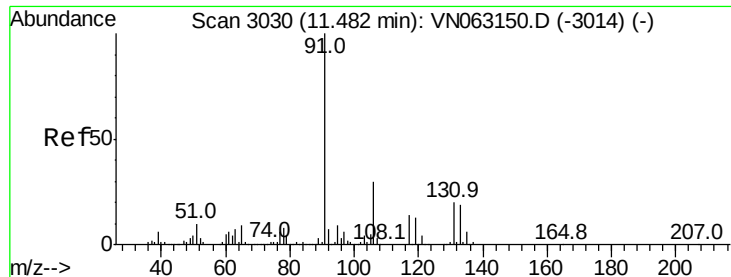
114 31.6 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 49.344 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

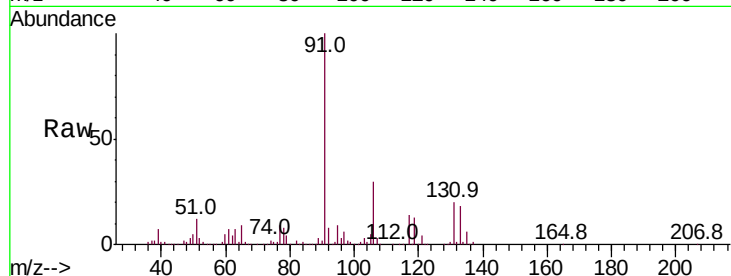
Tot Ion:131 Resp: 272460

Ion Ratio Lower Upper

131 100

133 92.8 47.3 142.0

119 65.3 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.48

200000

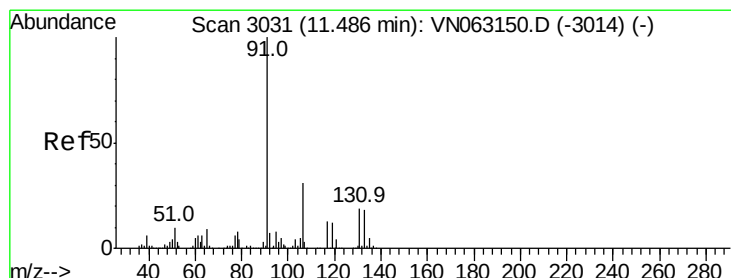
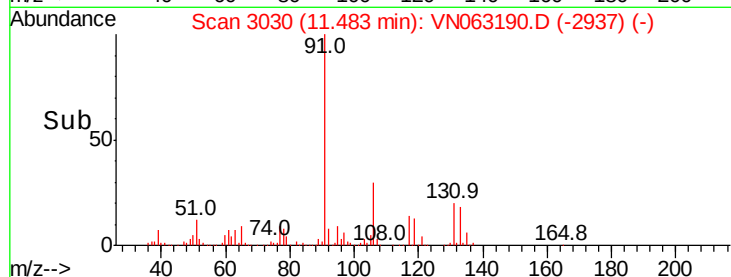
150000

100000

50000

0

Time-->



#67

Ethyl Benzene

Concen: 50.240 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063190.D

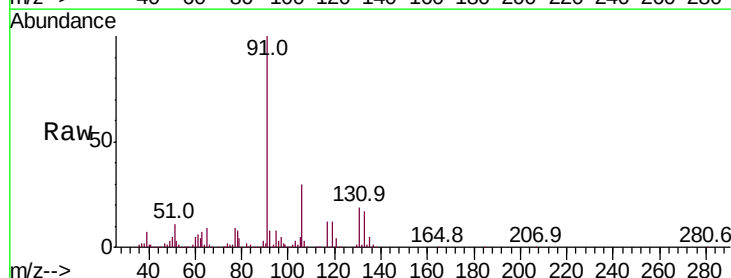
Acq: 2 Sep 2020 13:05

Tgt Ion: 91 Resp: 1363056

Ion Ratio Lower Upper

91 100

106 29.9 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

1200000

1000000

800000

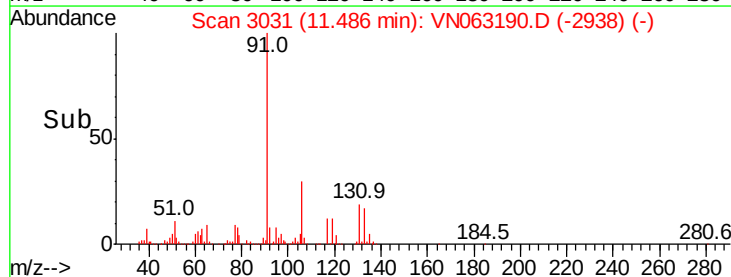
600000

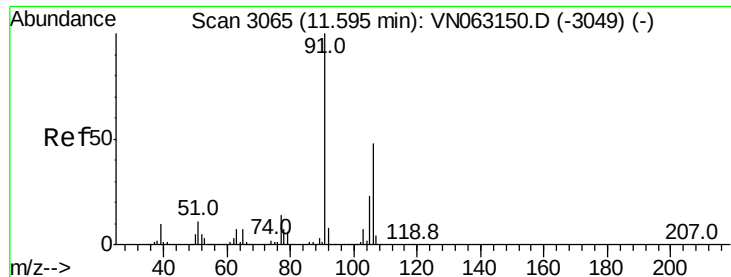
400000

200000

0

Time-->





#68

m/p-Xylenes

Concen: 100.083 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

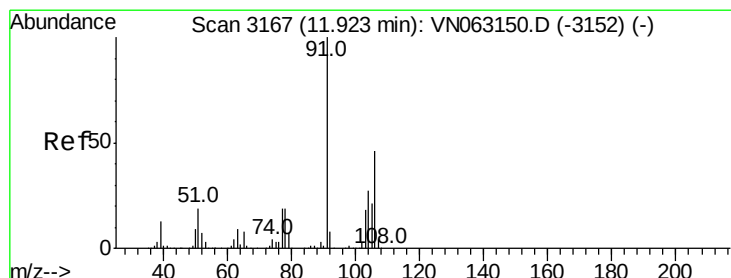
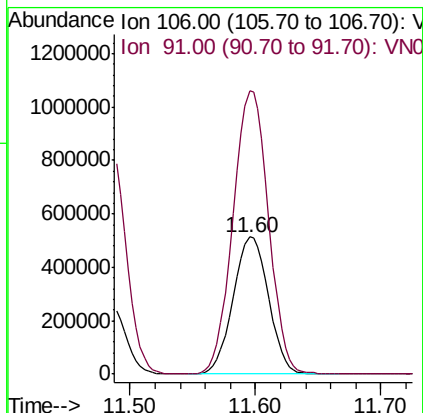
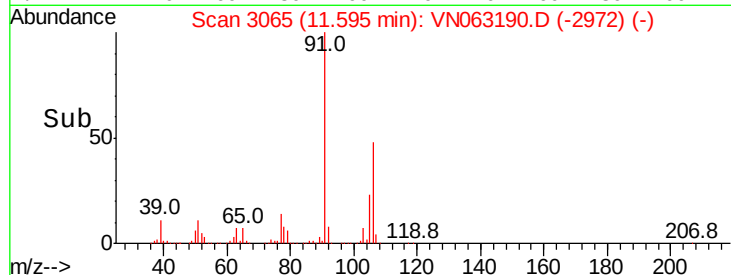
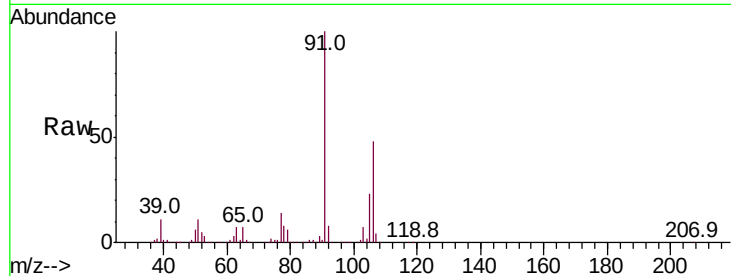
BP-VPB181-GW-783-785MS

Tot Ion:106 Resp: 1005671

Ion Ratio Lower Upper

106 100

91 207.2 166.7 250.1



#69

o-Xylene

Concen: 50.087 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN063190.D

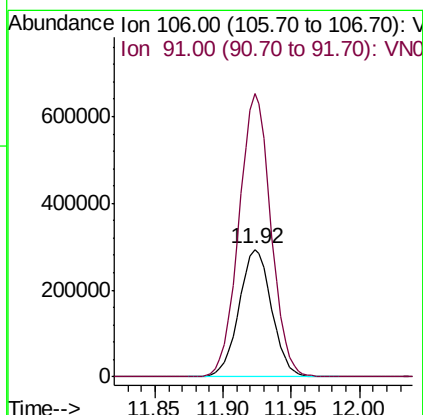
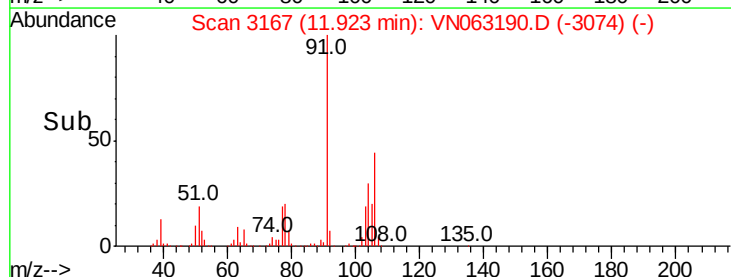
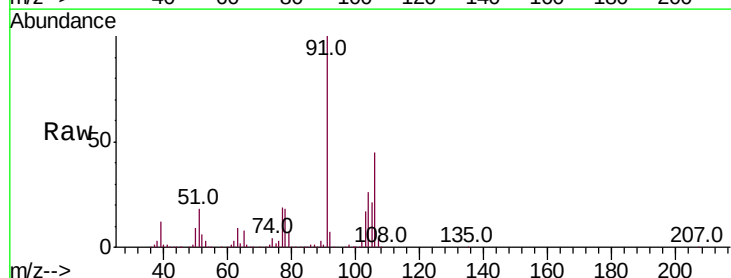
Acq: 2 Sep 2020 13:05

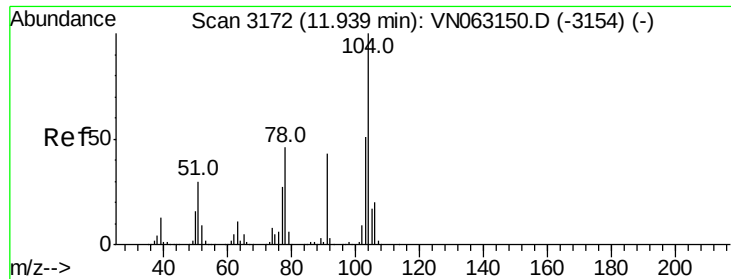
Tgt Ion:106 Resp: 486202

Ion Ratio Lower Upper

106 100

91 218.0 108.6 325.6

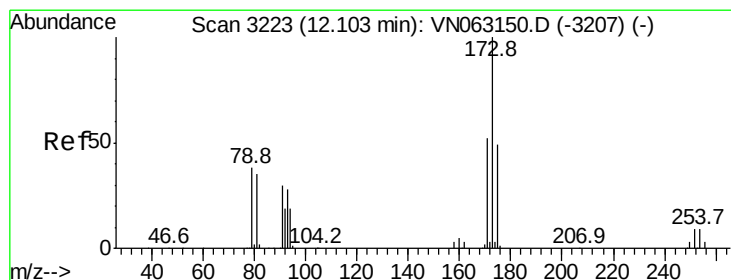
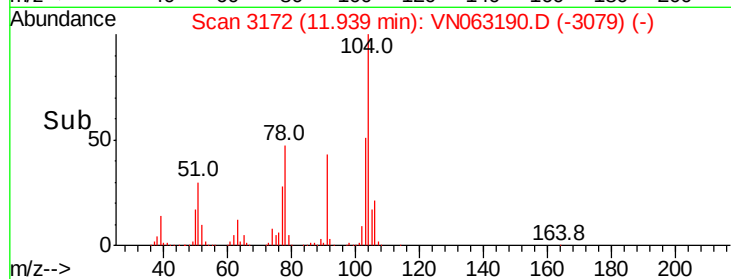
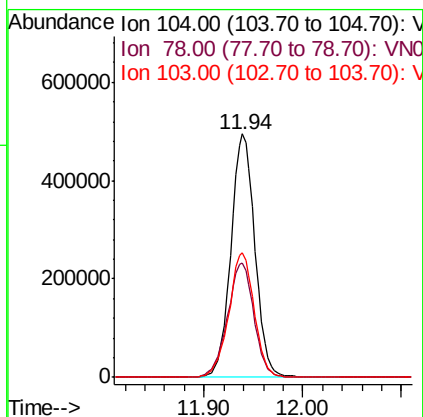
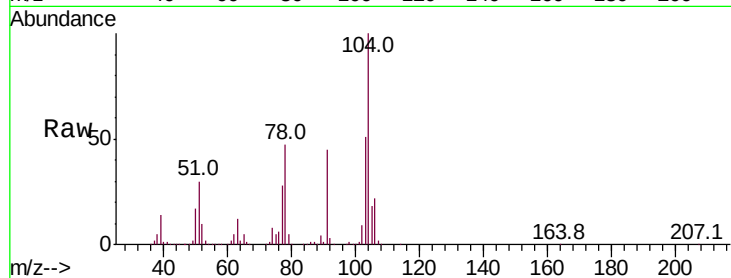




#70
Stvrene
Concen: 50.274 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

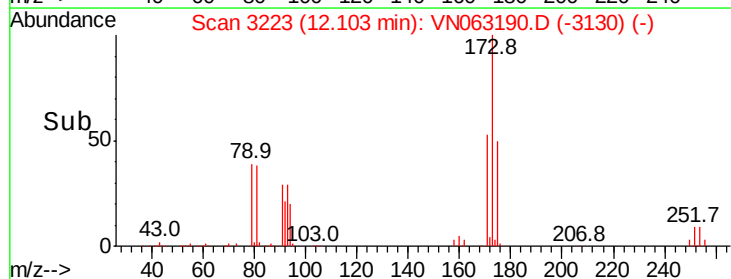
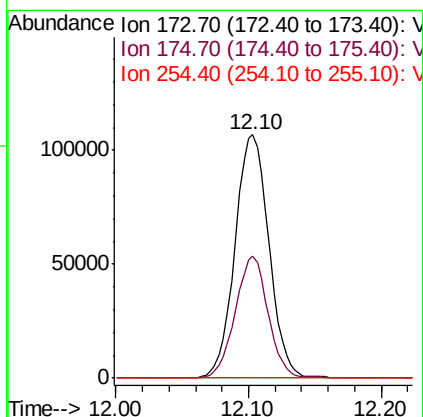
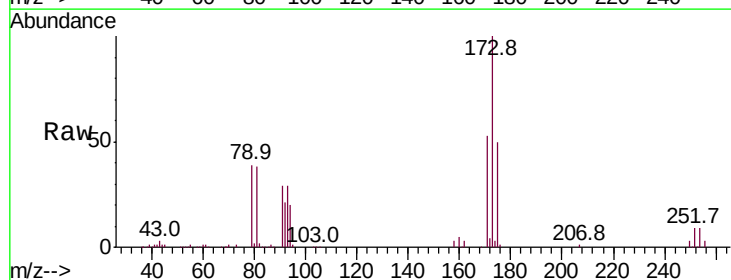
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MS

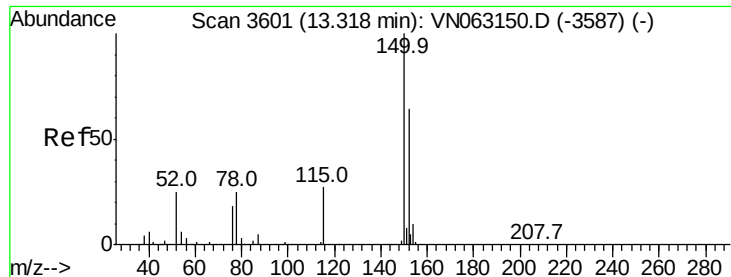
Tot Ion:104 Resp: 838708
Ion Ratio Lower Upper
104 100
78 52.0 41.0 61.6
103 54.5 43.8 65.8



#71
Bromoform
Concen: 50.602 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion:173 Resp: 189617
Ion Ratio Lower Upper
173 100
175 48.8 24.6 73.8
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

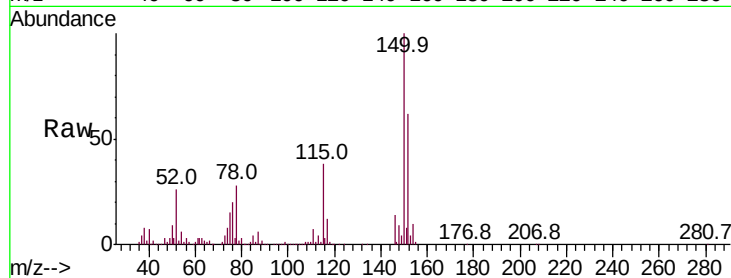
Tot Ion:152 Resp: 353462

Ion Ratio Lower Upper

152 100

115 61.3 32.0 96.2

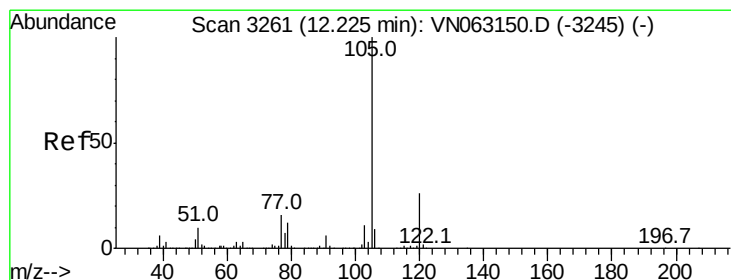
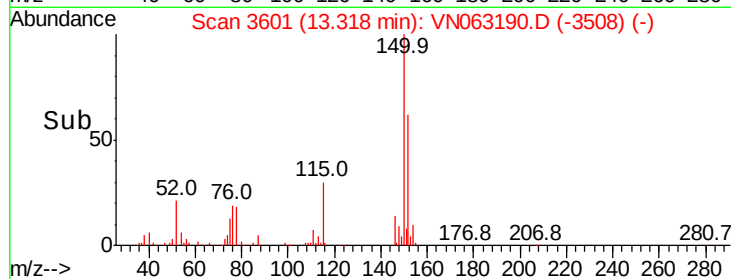
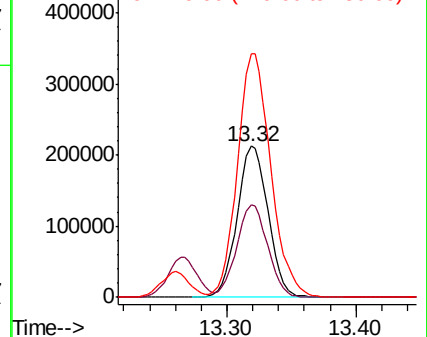
150 173.0 0.0 353.0



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: 48.933 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063190.D

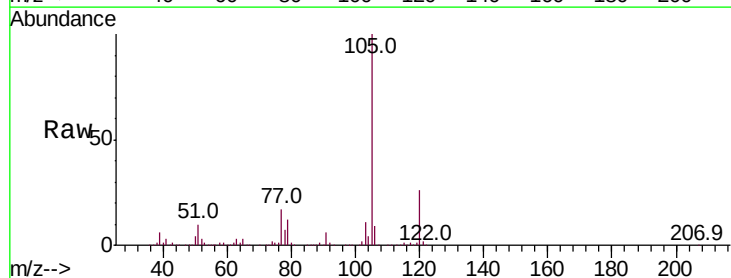
Acq: 2 Sep 2020 13:05

Tgt Ion:105 Resp: 1326567

Ion Ratio Lower Upper

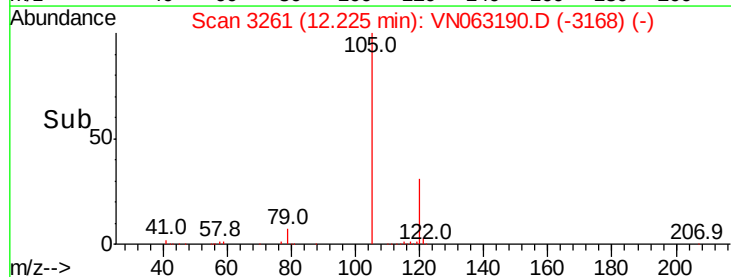
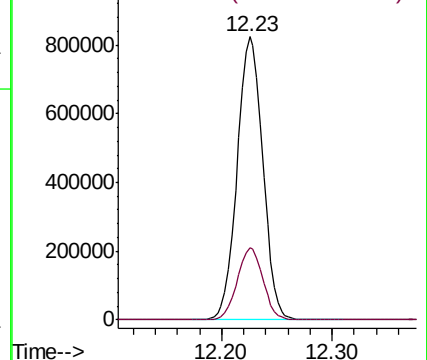
105 100

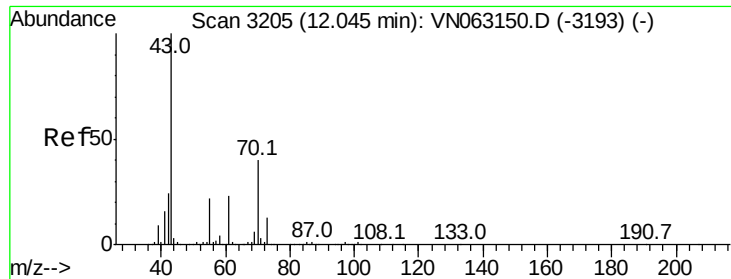
120 25.6 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 48.497 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion: 43 Resp: 544592

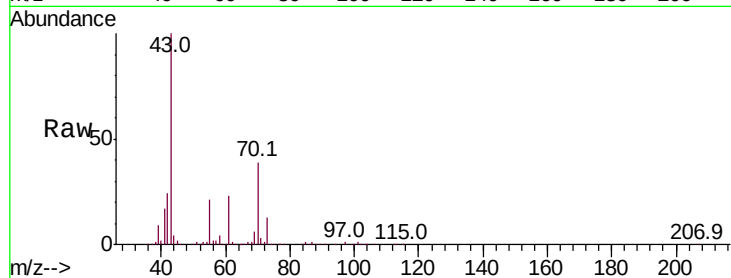
Ion Ratio Lower Upper

43 100

70 39.5 32.1 48.1

55 21.5 17.4 26.0

61 22.9 18.6 27.8



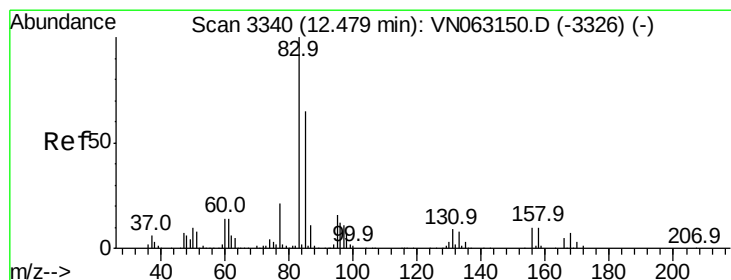
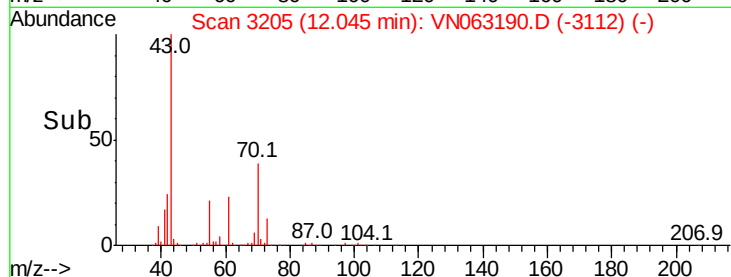
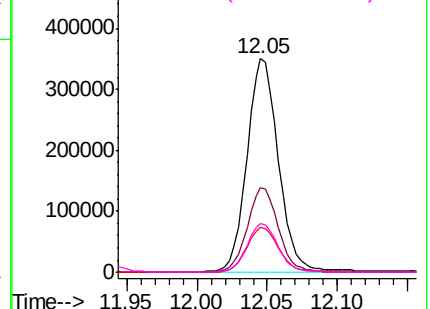
Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 46.906 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

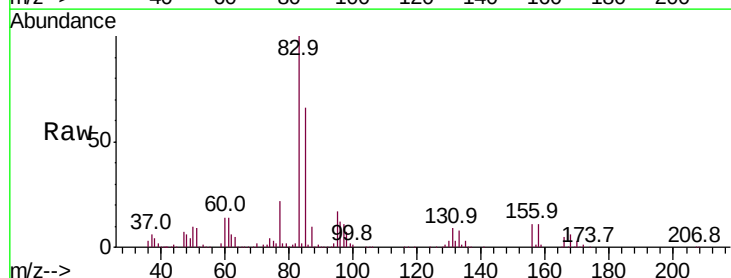
Tgt Ion: 83 Resp: 366615

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.0

85 65.0 32.7 98.1

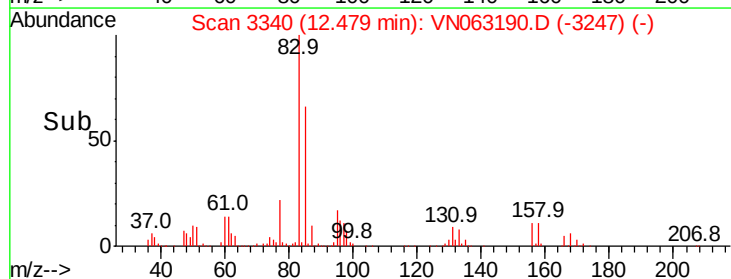
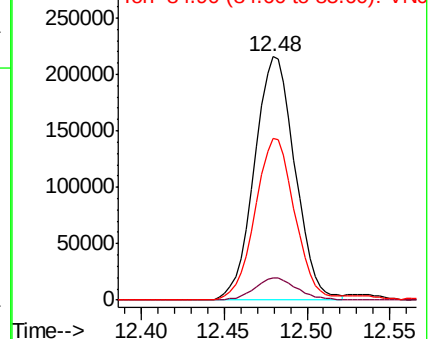


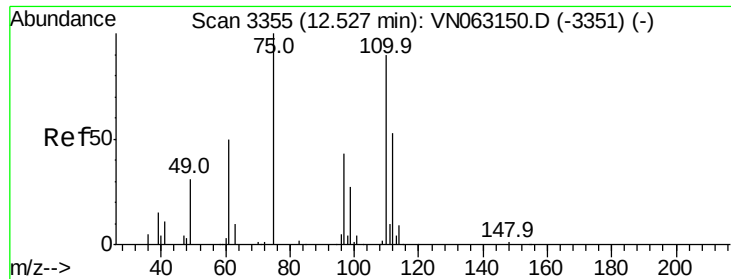
Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 72.762 ug/l

RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

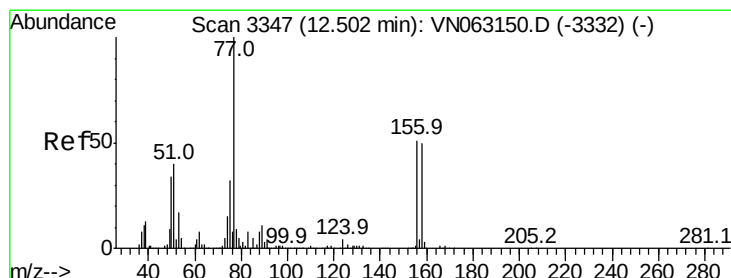
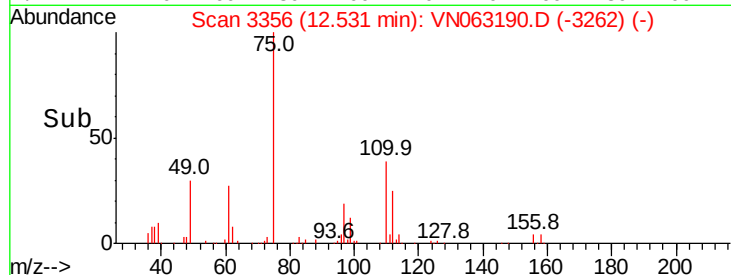
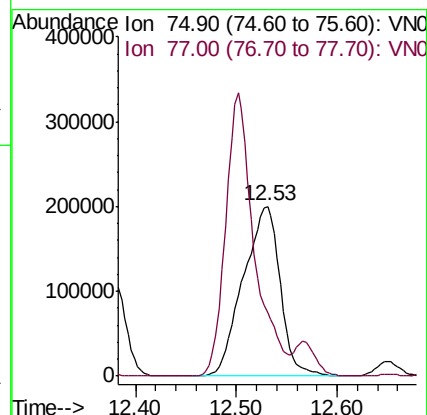
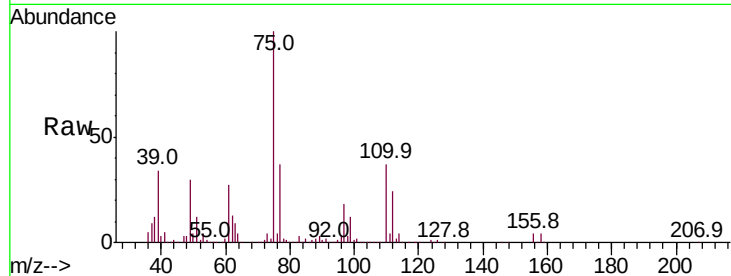
BP-VPB181-GW-783-785MS

Tot Ion: 75 Resp: 505318

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 48.065 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

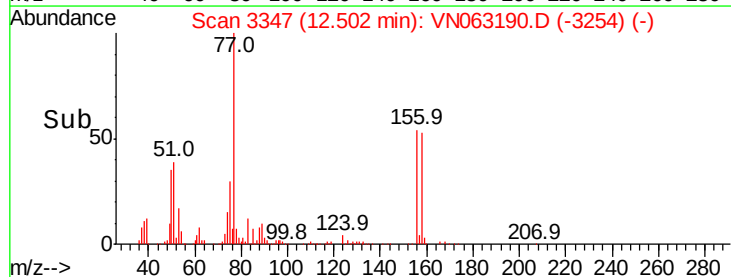
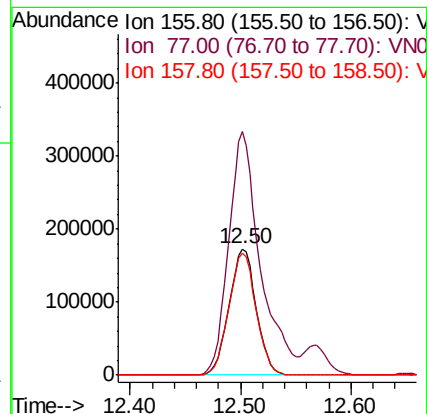
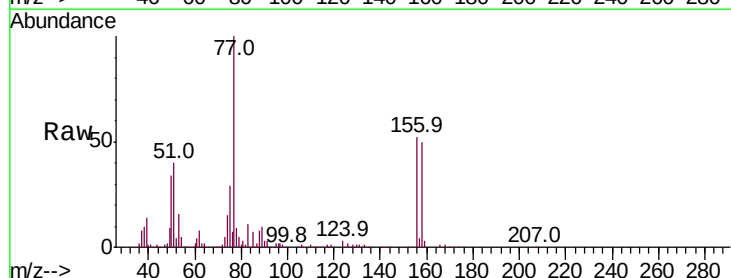
Tgt Ion: 156 Resp: 294695

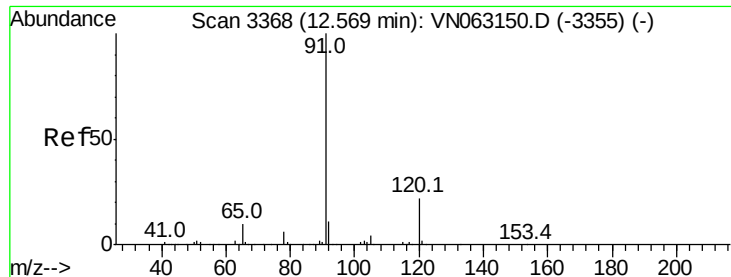
Ion Ratio Lower Upper

156 100

77 226.1 116.1 348.3

158 97.3 48.8 146.4





#78

n-propylbenzene

Concen: 49.446 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

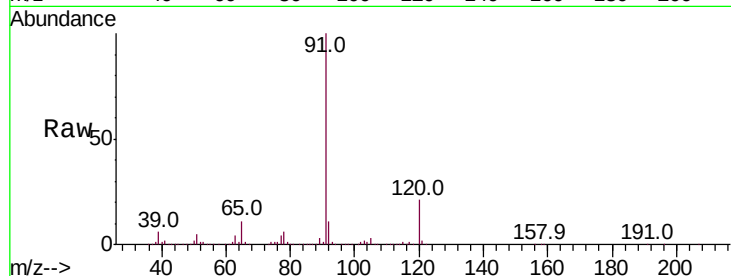
BP-VPB181-GW-783-785MS

Tot Ion: 91 Resp: 1551160

Ion Ratio Lower Upper

91 100

120 21.3 10.9 32.7

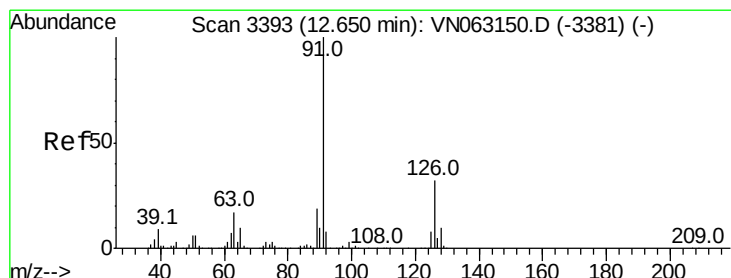
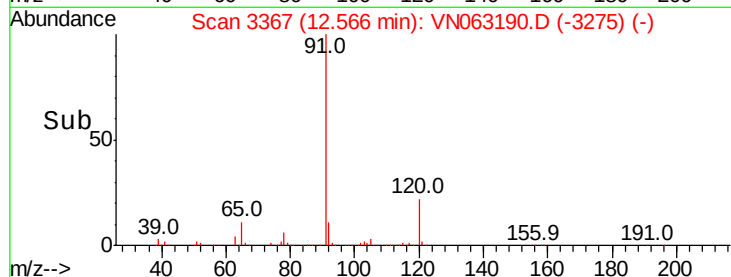


Abundance Ion 91.00 (90.70 to 91.70): VN063190.D (-3367) (-)

Ion 120.00 (119.70 to 120.70): VN063190.D (-3367) (-)

12.57

Time-->



#79

2-Chlorotoluene

Concen: 48.025 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063190.D

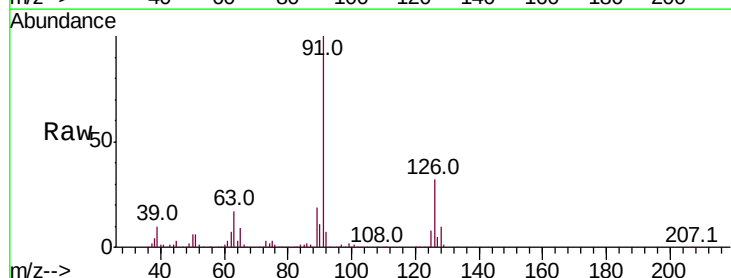
Acq: 2 Sep 2020 13:05

Tgt Ion: 91 Resp: 902355

Ion Ratio Lower Upper

91 100

126 32.1 16.1 48.3

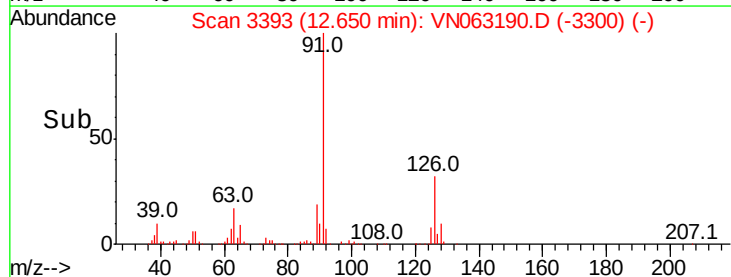


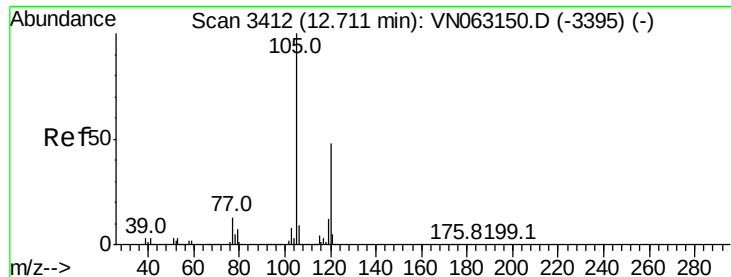
Abundance Ion 91.00 (90.70 to 91.70): VN063190.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN063190.D (-3393) (-)

12.65

Time-->

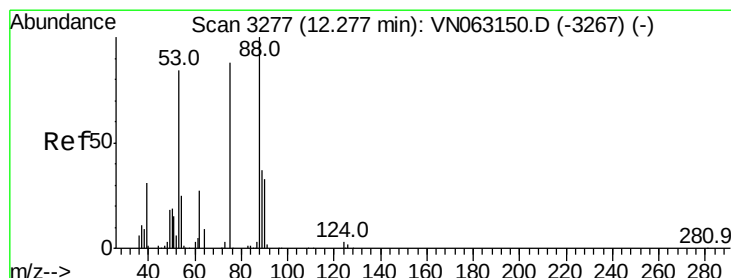
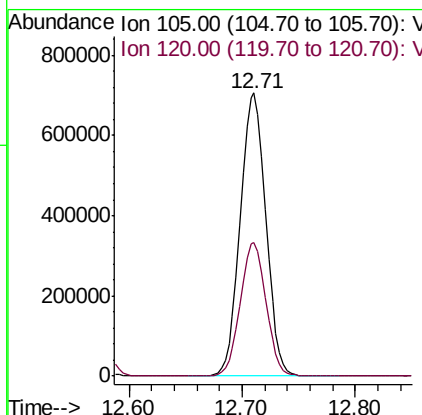
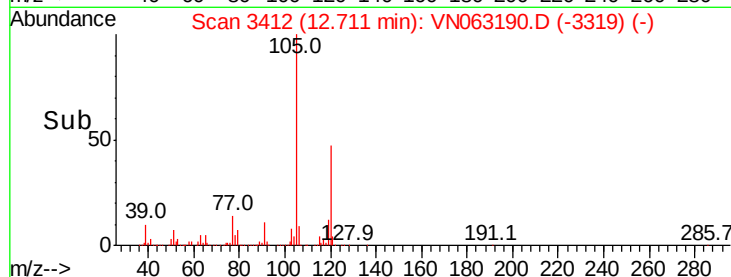
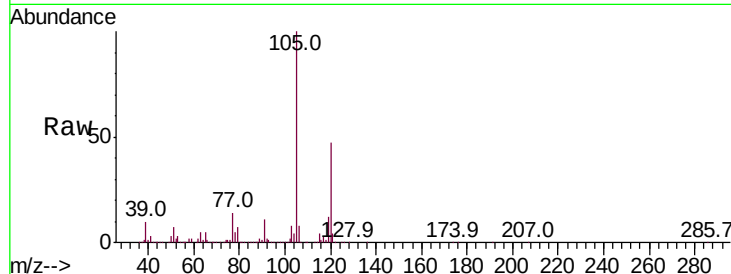




#80
 1,3,5-Trimethylbenzene
 Concen: 49.321 ug/l
 RT: 12.71 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

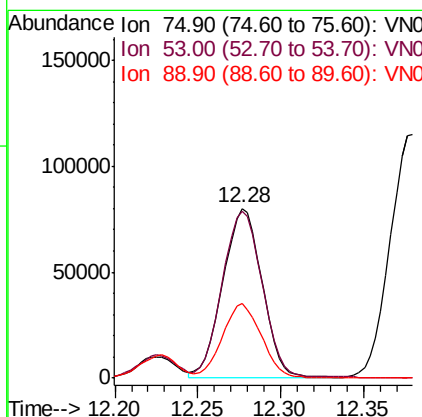
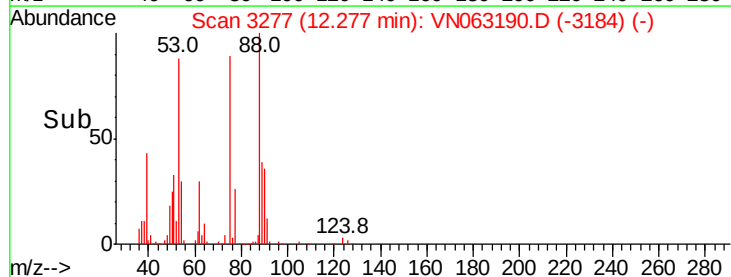
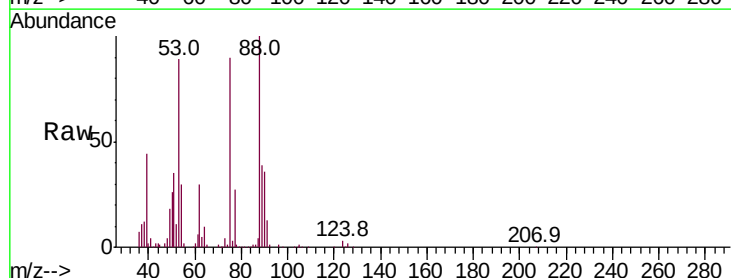
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MS

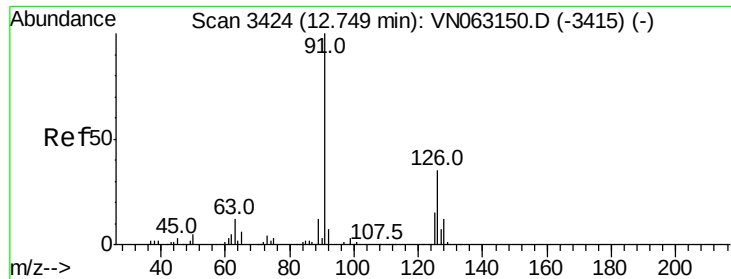
Tot Ion:105 Resp: 1112949
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.2 72.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.027 ug/l
 RT: 12.28 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion: 75 Resp: 132250
 Ion Ratio Lower Upper
 75 100
 53 98.9 78.7 118.1
 89 43.6 35.3 52.9





#82

4-Chlorotoluene

Concen: 48.651 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

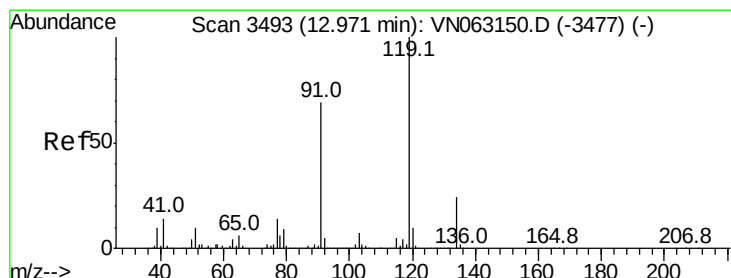
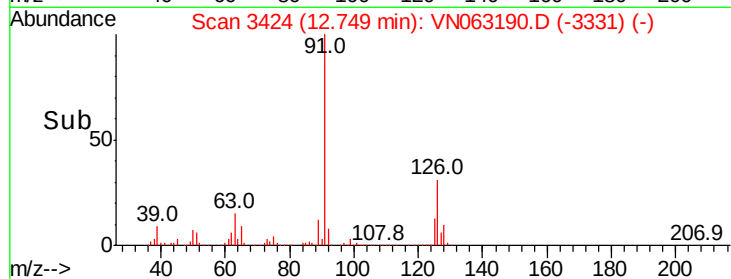
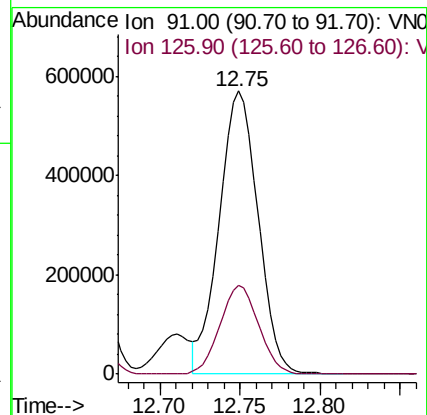
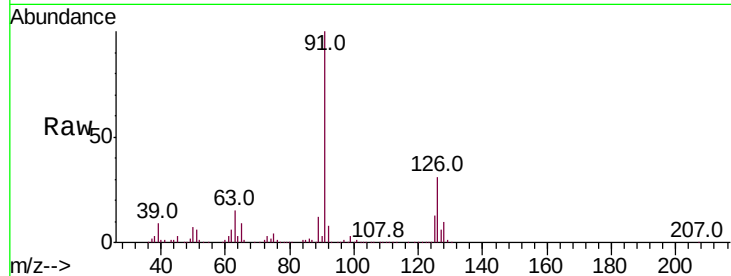
BP-VPB181-GW-783-785MS

Tot Ion: 91 Resp: 948064

Ion Ratio Lower Upper

91 100

126 31.3 16.2 48.5



#83

tert-Butylbenzene

Concen: 47.634 ug/l

RT: 12.97 min Scan# 3493

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

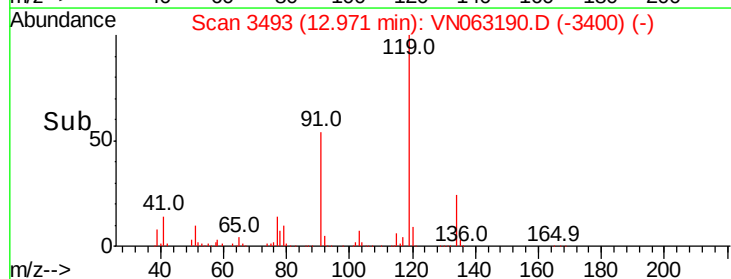
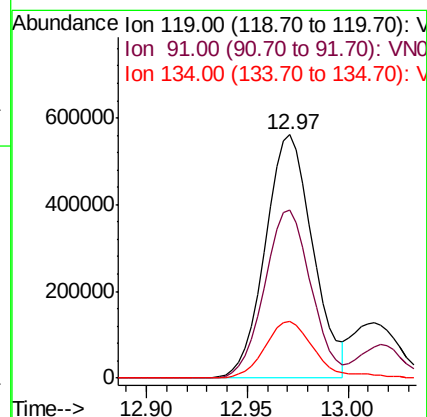
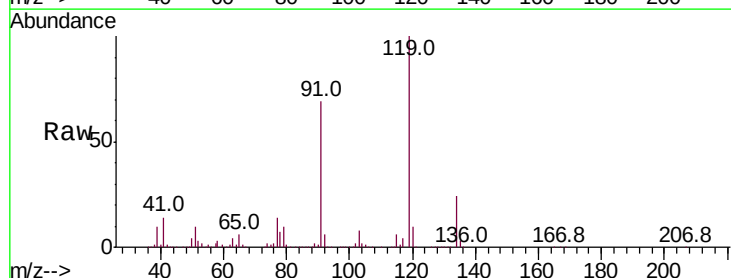
Tgt Ion: 119 Resp: 921853

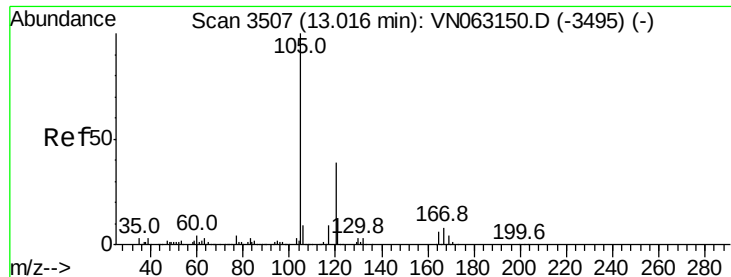
Ion Ratio Lower Upper

119 100

91 67.5 33.7 101.0

134 24.5 12.0 36.0

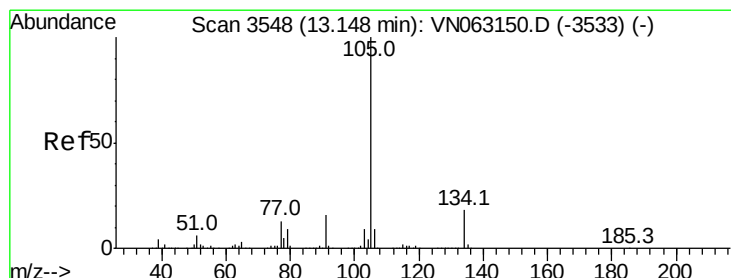
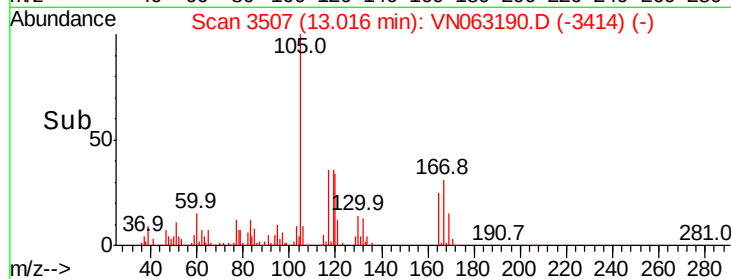
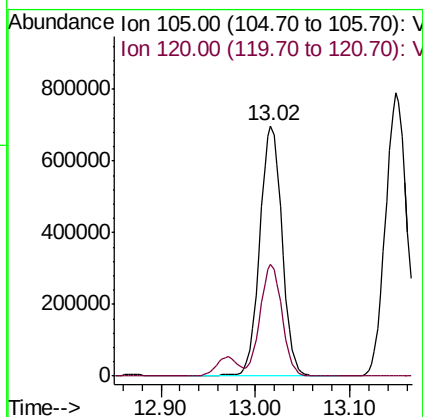
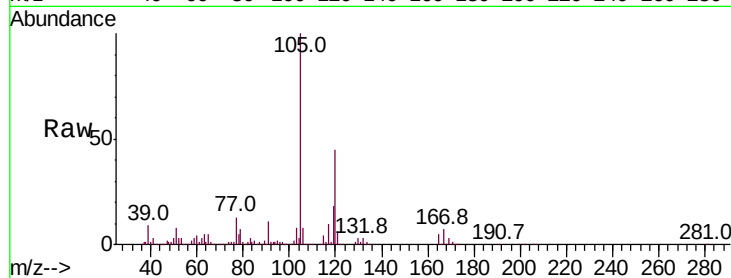




#84
 1,2,4-Trimethylbenzene
 Concen: 49.966 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

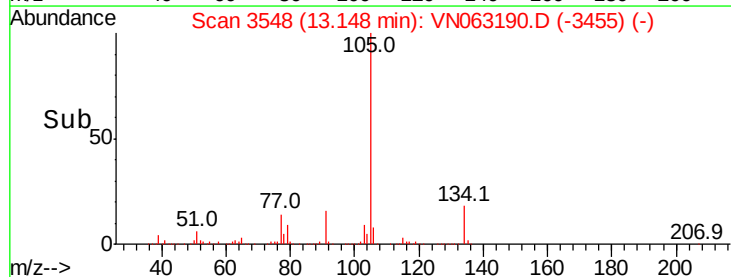
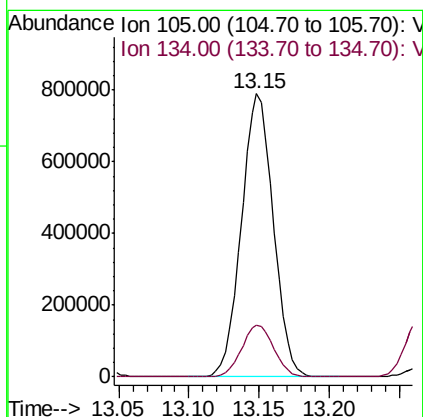
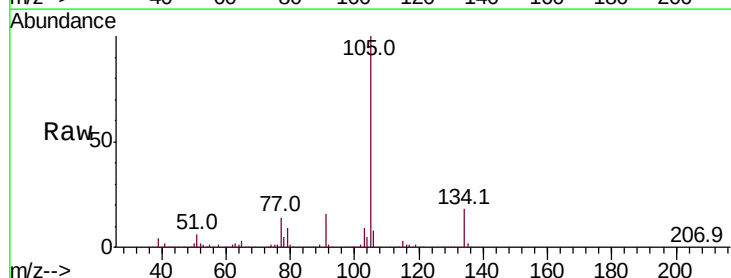
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MS

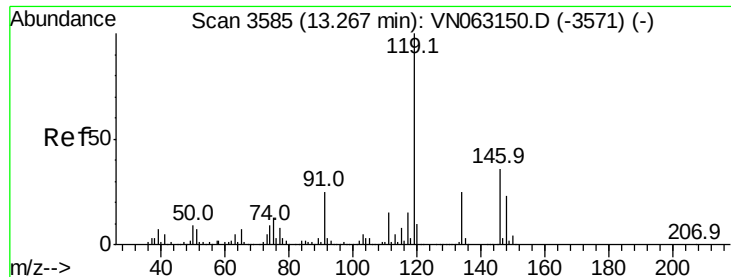
Tot Ion:105 Resp: 1136484
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 49.499 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion:105 Resp: 1248479
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.4 28.3

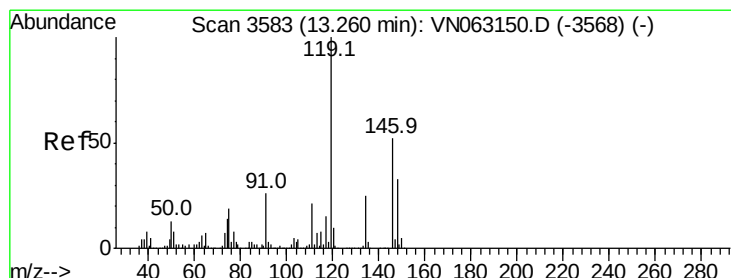
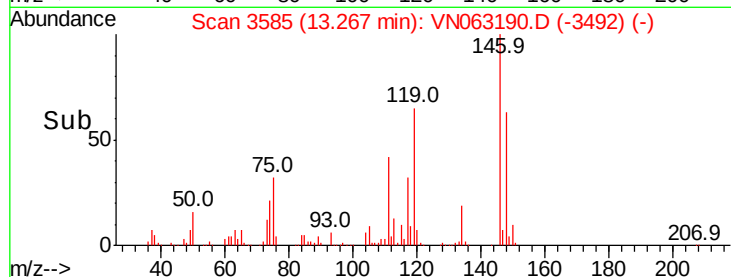
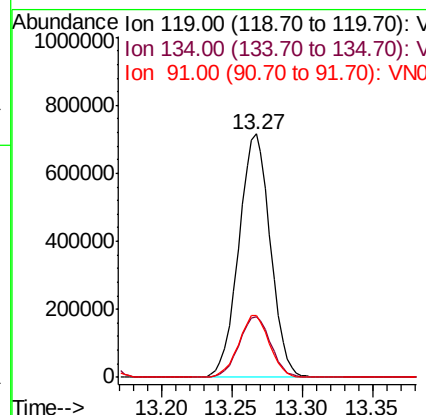
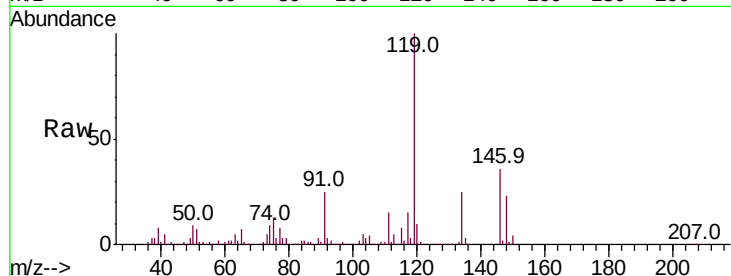




#86
 p-Isopropyltoluene
 Concen: 49.872 ug/l
 RT: 13.27 min Scan# 3585
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

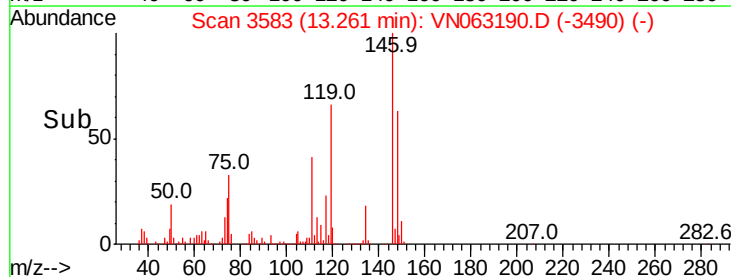
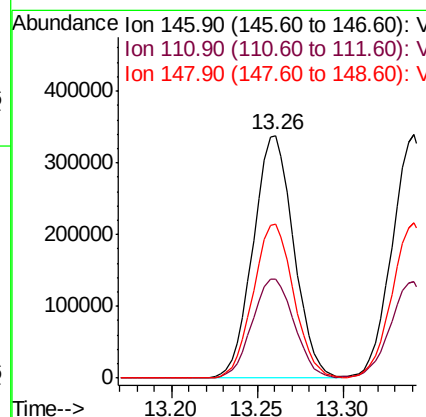
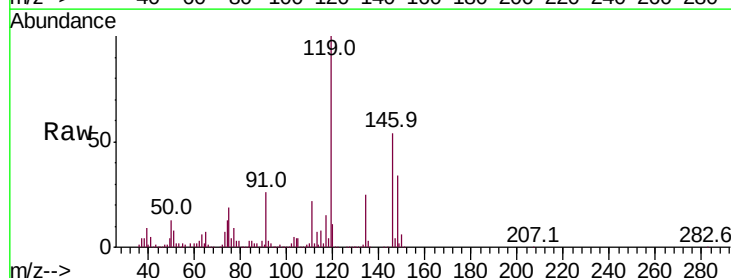
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MS

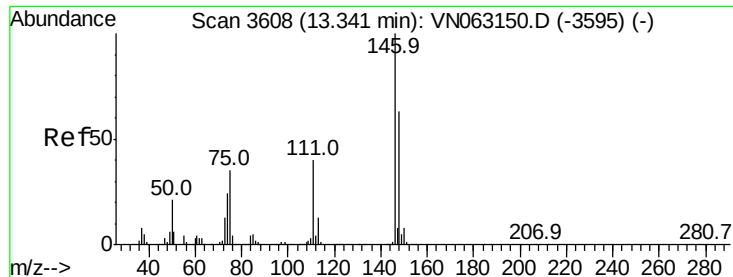
Tot Ion:119 Resp: 1116762
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.4 37.4
 91 24.7 12.2 36.6



#87
 1,3-Dichlorobenzene
 Concen: 49.260 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion:146 Resp: 554837
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.3 63.7
 148 63.4 31.9 95.9

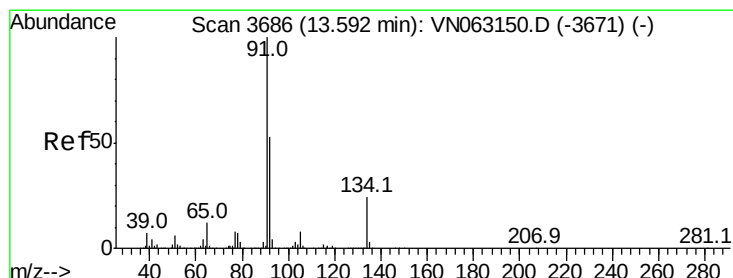
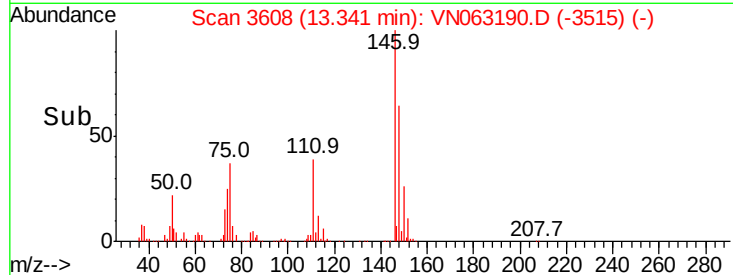
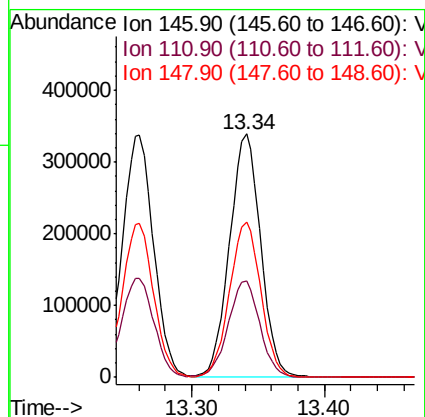
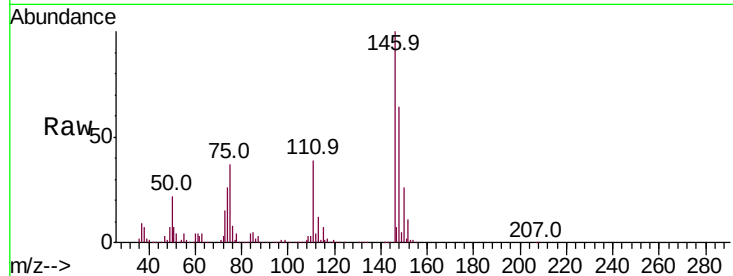




#88
 1,4-Dichlorobenzene
 Concen: 47.367 ug/l
 RT: 13.34 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

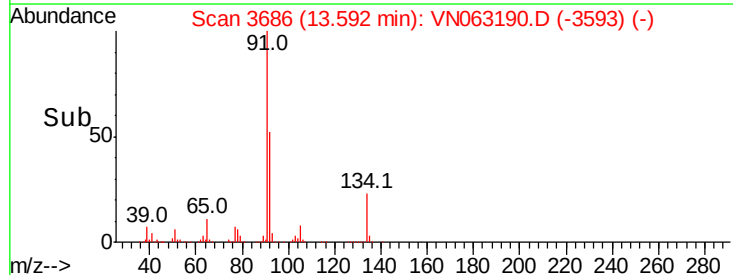
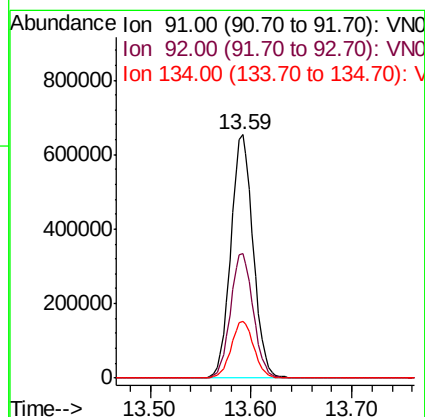
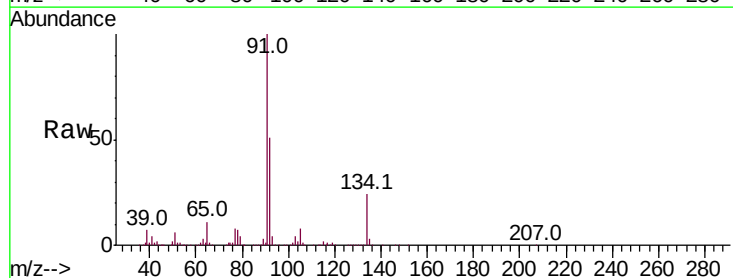
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MS

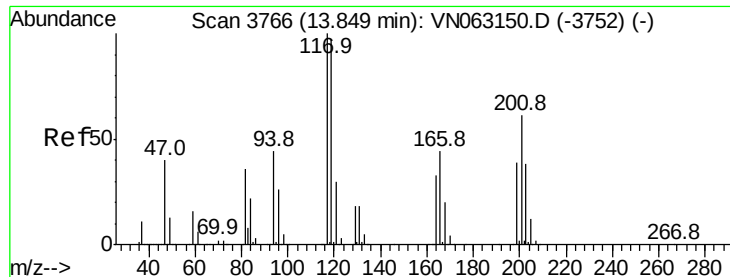
Tot Ion:146 Resp: 552424
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.5 61.5
 148 64.1 31.9 95.7



#89
 n-Butylbenzene
 Concen: 48.951 ug/l
 RT: 13.59 min Scan# 3686
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion: 91 Resp: 1012659
 Ion Ratio Lower Upper
 91 100
 92 52.1 26.3 78.8
 134 23.7 12.0 36.0





#90

Hexachloroethane

Concen: 45.015 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

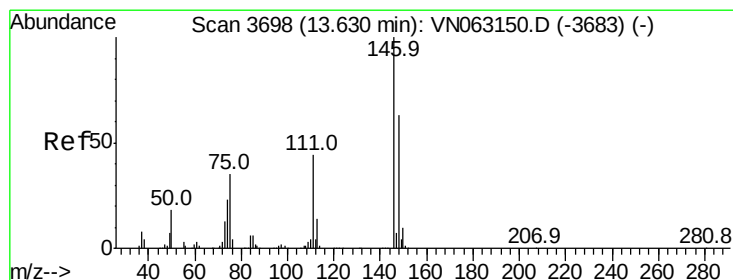
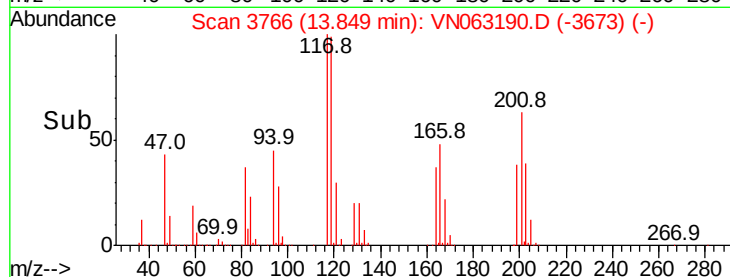
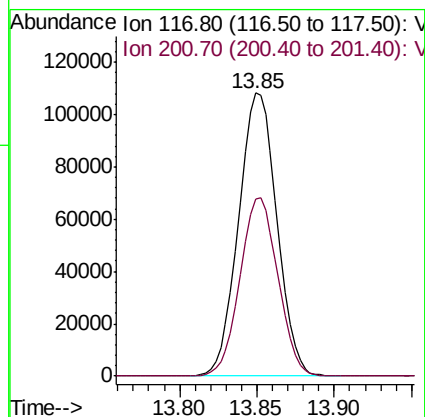
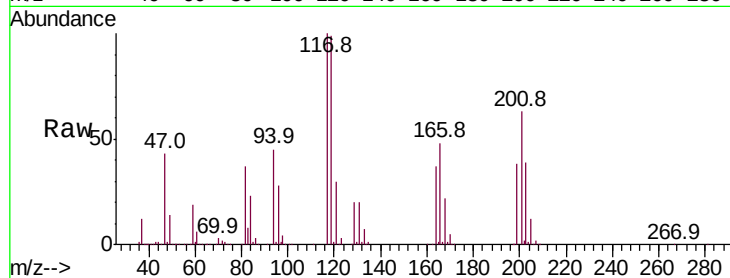
BP-VPB181-GW-783-785MS

Tot Ion:117 Resp: 186599

Ion Ratio Lower Upper

117 100

201 62.3 30.6 92.0



#91

1,2-Dichlorobenzene

Concen: 51.111 ug/l

RT: 13.63 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

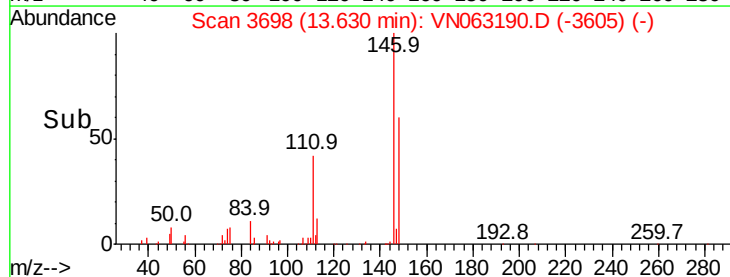
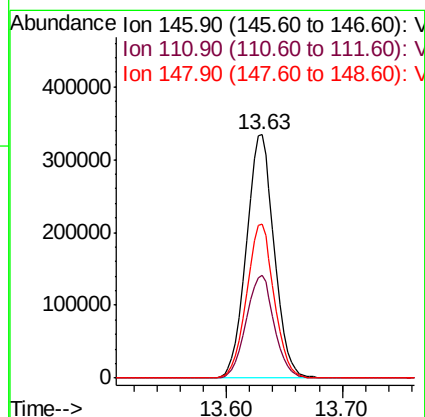
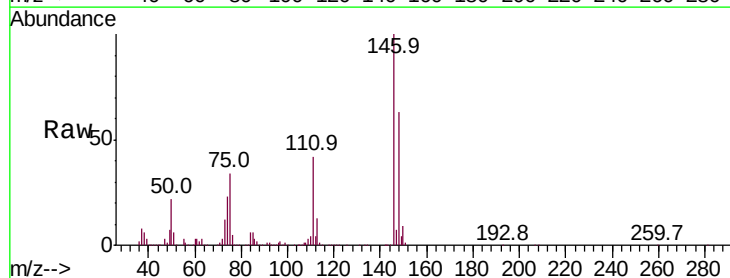
Tgt Ion:146 Resp: 558649

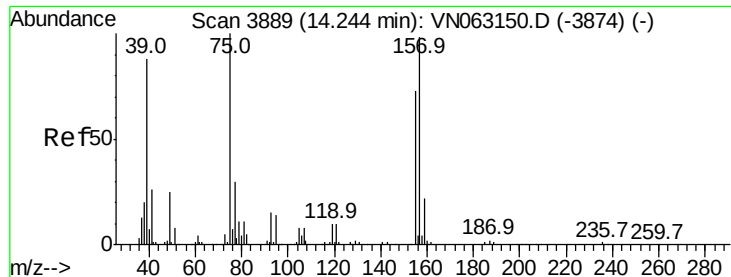
Ion Ratio Lower Upper

146 100

111 42.7 22.0 66.0

148 62.8 31.6 95.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.490 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

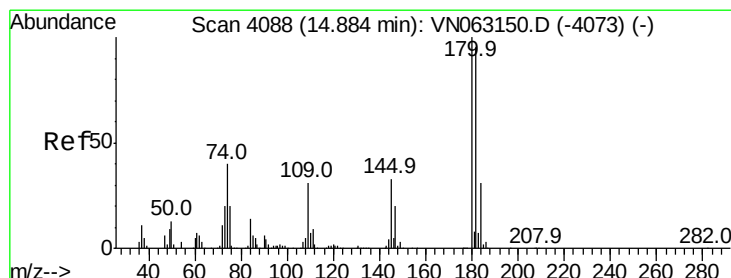
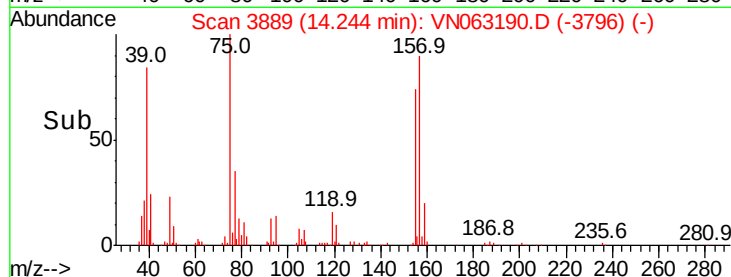
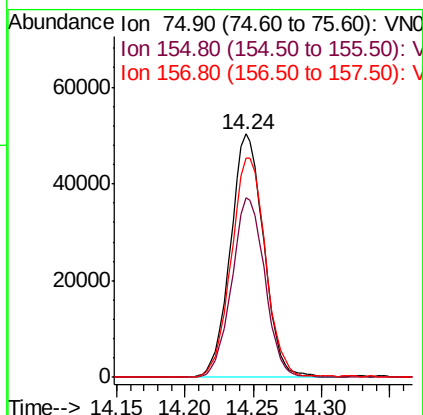
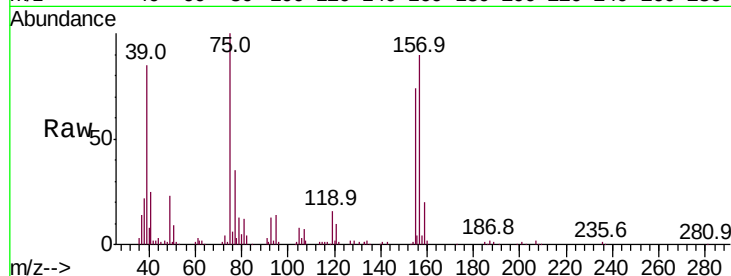
Tot Ion: 75 Resp: 85041

Ion Ratio Lower Upper

75 100

155 73.2 36.1 108.5

157 93.0 48.4 145.0



#93

1,2,4-Trichlorobenzene

Concen: 48.037 ug/l

RT: 14.88 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

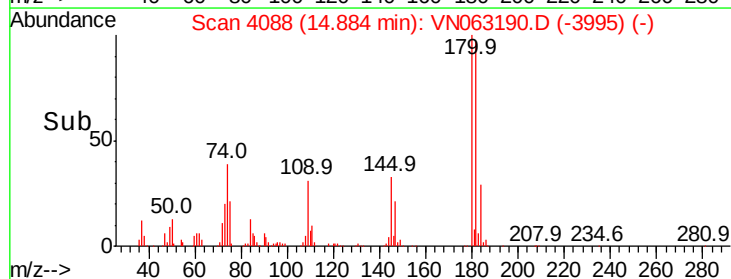
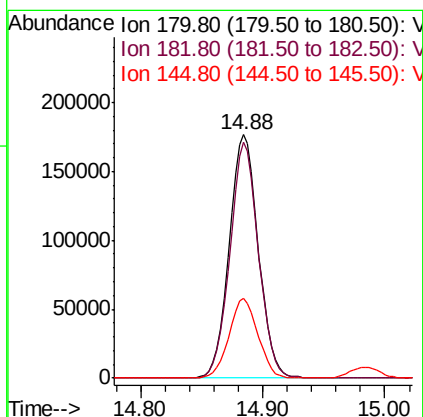
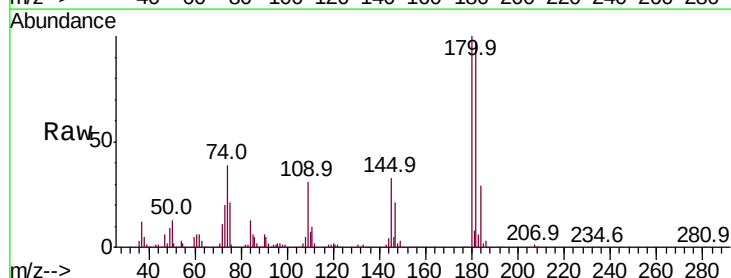
Tgt Ion: 180 Resp: 293341

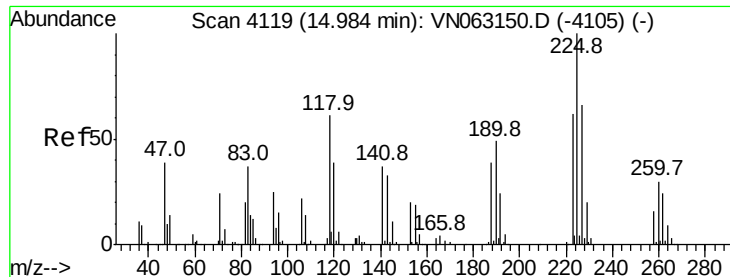
Ion Ratio Lower Upper

180 100

182 94.7 47.5 142.5

145 32.5 16.6 49.8





#94

Hexachlorobutadiene

Concen: 46.222 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

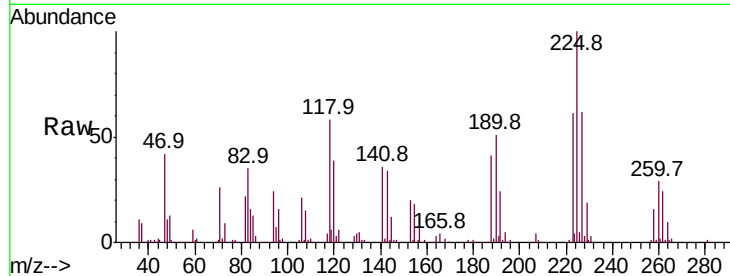
Tot Ion:225 Resp: 105441

Ion Ratio Lower Upper

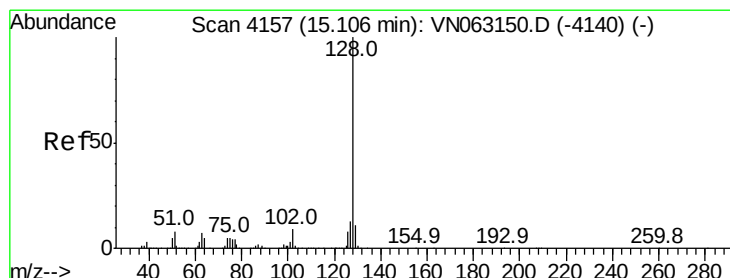
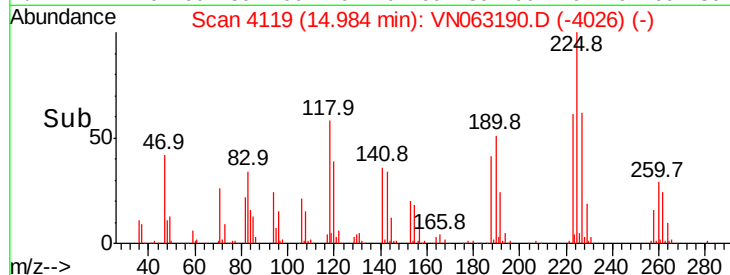
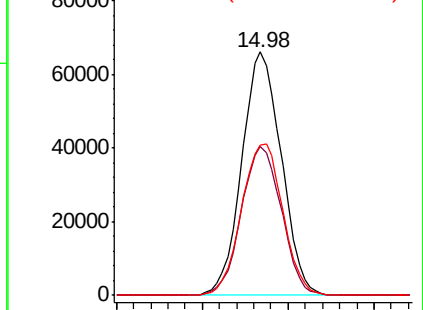
225 100

223 62.0 30.9 92.7

227 64.7 32.9 98.7



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



#95

Naphthalene

Concen: 47.281 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

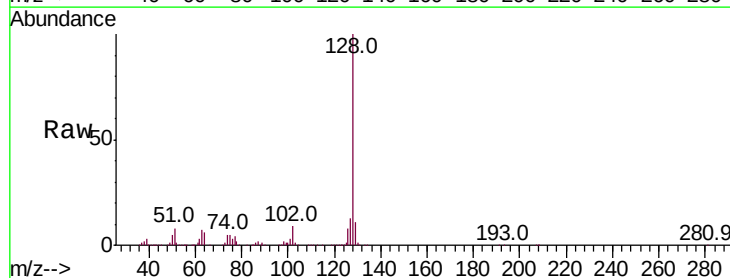
Tgt Ion:128 Resp: 963265

Ion Ratio Lower Upper

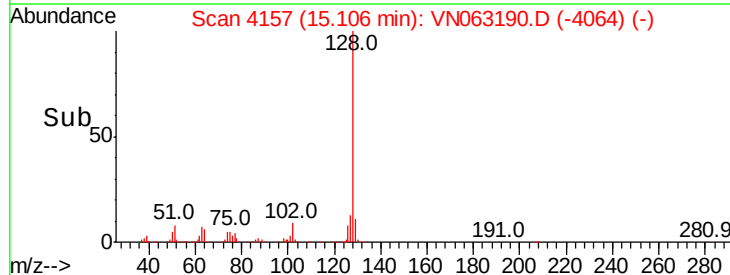
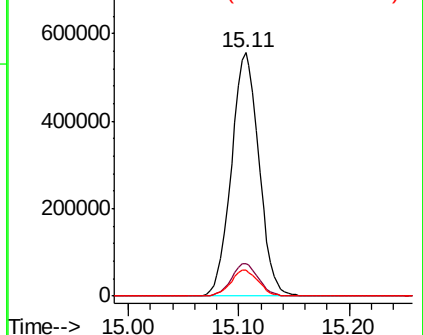
128 100

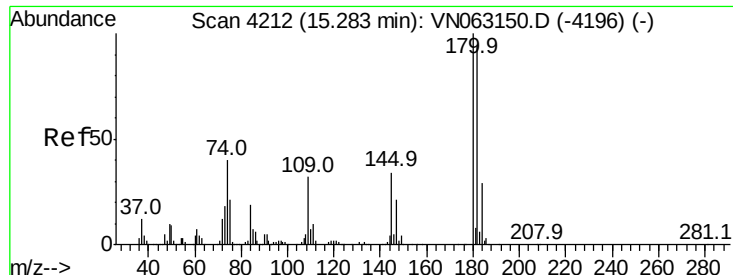
127 13.2 10.5 15.7

129 10.7 8.6 13.0



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: 47.793 ug/l
 RT: 15.29 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.5	142.5
145	34.5	17.3	52.0

