

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112023\
 Data File : VW033038.D
 Acq On : 20 Nov 2023 21:41
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 20 23:45:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:40:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	324849	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	320833	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	193788	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	76277	44.909	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.820%
7) Chloroethane-d5	1.532	69	58092	44.472	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.940%
11) 1,1-Dichloroethene-d2	2.060	65	31453	45.258	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.520%
21) 2-Butanone-d5	3.783	46	113520	105.049	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.050%
24) Chloroform-d	4.249	84	202398	48.354	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.700%
26) 1,2-Dichloroethane-d4	4.941	65	124832	47.809	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.620%
32) Benzene-d6	4.960	84	365148	48.873	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.740%
36) 1,2-Dichloropropane-d6	5.989	67	102648	48.450	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.900%
41) Toluene-d8	7.243	98	350181	49.098	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.200%
43) trans-1,3-Dichloroprop...	7.551	79	61506	49.727	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.460%
47) 2-Hexanone-d5	8.024	63	95781	109.250	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.250%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	160378	49.730	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.460%
66) 1,2-Dichlorobenzene-d4	11.561	152	163913	47.432	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	164349	46.829	ug/L	98
3) Chloromethane	1.214	50	113978	43.518	ug/L	99
5) Vinyl chloride	1.285	62	110459	45.464	ug/L	99
6) Bromomethane	1.484	94	71672	44.643	ug/L	96
8) Chloroethane	1.548	64	58967	43.880	ug/L	98
9) Trichlorofluoromethane	1.712	101	185158	47.074	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	87607	45.170	ug/L	99
12) 1,1-Dichloroethene	2.069	96	81867	45.716	ug/L	98
13) Acetone	2.108	43	80493	76.128	ug/L	99
14) Carbon disulfide	2.243	76	273627	45.942	ug/L	98
15) Methyl Acetate	2.368	43	90517	48.832	ug/L	98
16) Methylene chloride	2.445	84	113737	44.829	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	109936	47.969	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	356128	49.537	ug/L	99
19) 1,1-Dichloroethane	3.111	63	193018	47.148	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	122874	47.818	ug/L	98
22) 2-Butanone	3.860	43	125168	91.427	ug/L	95
23) Bromochloromethane	4.146	128	67187	47.537	ug/L	97
25) Chloroform	4.275	83	217964	47.303	ug/L	99

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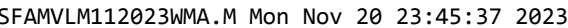
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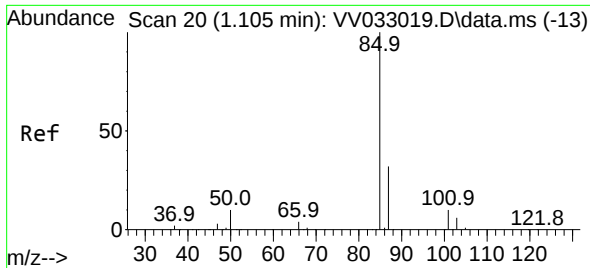
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	173409	48.242	ug/L	100
29) Cyclohexane	4.584	56	151358	48.897	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	206958	49.388	ug/L	99
31) Carbon tetrachloride	4.735	117	187928	48.124	ug/L	98
33) Benzene	5.008	78	439531	49.253	ug/L	100
34) Trichloroethene	5.834	95	124353	49.437	ug/L	96
35) Methylcyclohexane	6.050	83	179740	49.163	ug/L	99
37) 1,2-Dichloropropane	6.092	63	105162	48.010	ug/L	100
38) Bromodichloromethane	6.432	83	163023	47.901	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	192159	50.957	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	249849	104.280	ug/L	97
42) Toluene	7.317	91	491544	49.711	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	190517	50.278	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	121002	49.052	ug/L	98
46) Tetrachloroethene	7.905	164	104667	47.749	ug/L	98
48) 2-Hexanone	8.072	43	189602	100.027	ug/L	98
49) Dibromochloromethane	8.175	129	140614	49.458	ug/L	98
50) 1,2-Dibromoethane	8.281	107	129219	50.016	ug/L	98
51) Chlorobenzene	8.815	112	336489	47.955	ug/L	99
52) Ethylbenzene	8.947	91	557196	49.086	ug/L	100
53) m,p-Xylene	9.072	106	219806	49.285	ug/L	98
54) o-Xylene	9.477	106	214403	49.942	ug/L	100
55) Styrene	9.497	104	389635	50.878	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	170851	49.028	ug/L	99
59) Bromoform	9.664	173	110790	49.056	ug/L	97
60) Isopropylbenzene	9.866	105	592390	50.425	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	134818	48.225	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	477859	50.699	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	503451	50.986	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	308916	49.081	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	311321	46.533	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	304596	48.229	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	40636	49.966	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	235642	48.156	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	225107	50.198	ug/L	98
71) Naphthalene	13.439	128	635548	57.300	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	228351	52.521	ug/L	100

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

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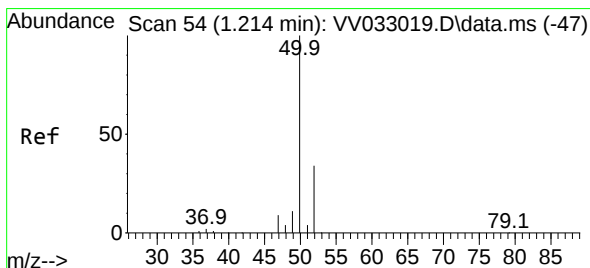
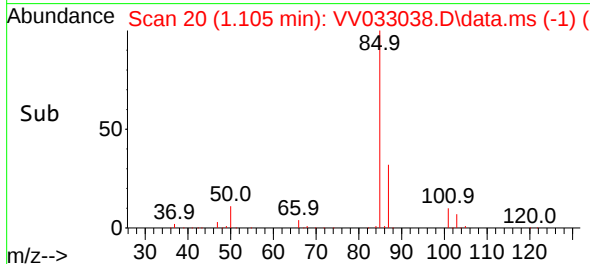
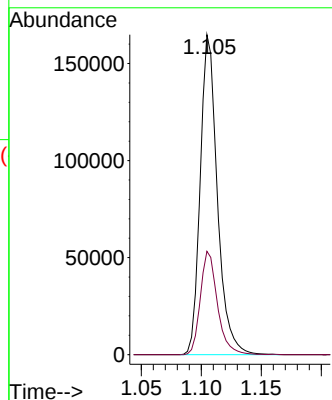
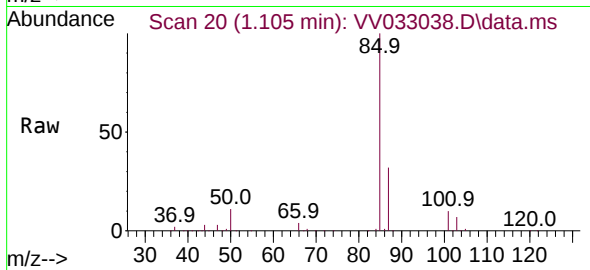




#2
 Dichlorodifluoromethane
 Concen: 46.829 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV033038.D
 Acq: 20 Nov 2023 21:41

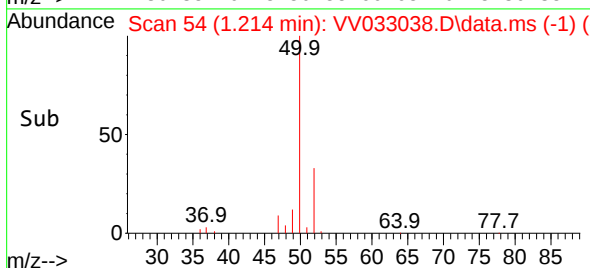
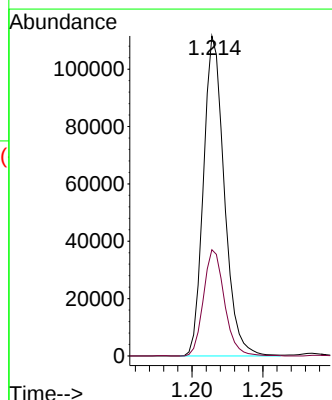
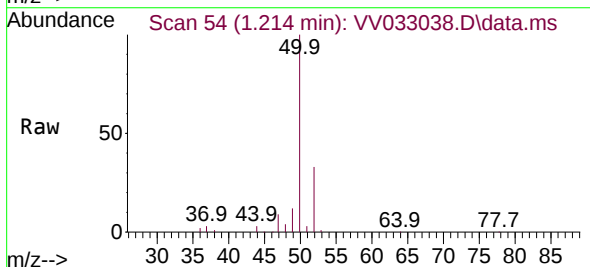
Instrument :
 MSVOA_V
 ClientSampleId :

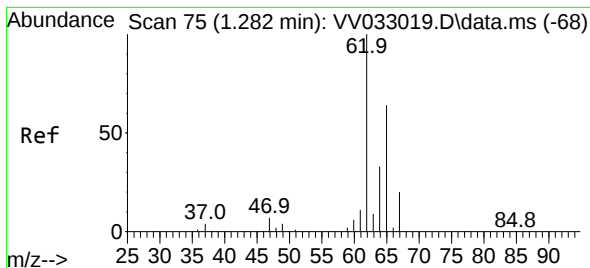
Tgt Ion: 85 Resp: 164349
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.8 40.2



#3
 Chloromethane
 Concen: 43.518 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033038.D
 Acq: 20 Nov 2023 21:41

Tgt Ion: 50 Resp: 113978
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.7 42.3





#5

Vinyl chloride

Concen: 45.464 ug/L

RT: 1.285 min Scan# 75

Delta R.T. 0.003 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Instrument :

MSVOA_V

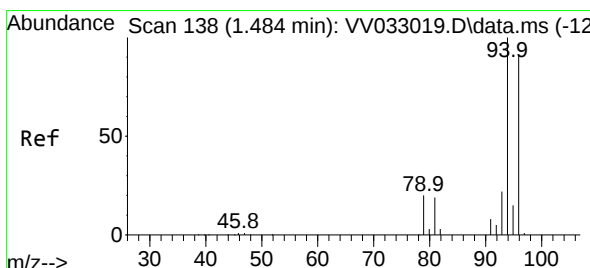
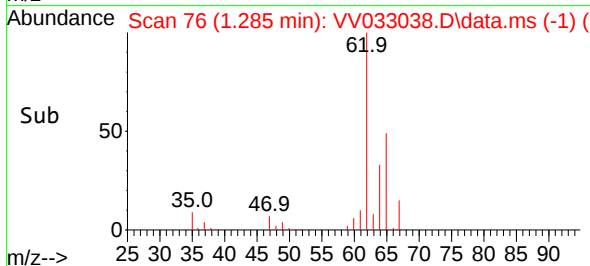
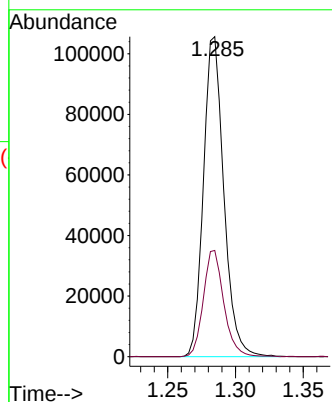
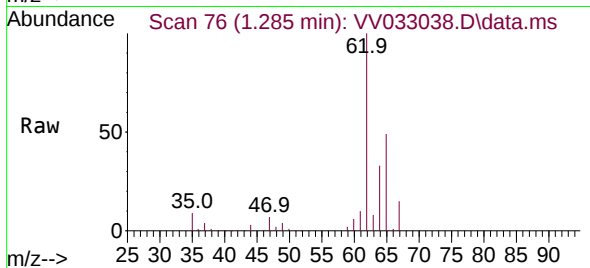
ClientSampleId :

Tgt Ion: 62 Resp: 110459

Ion Ratio Lower Upper

62 100

64 33.2 22.7 42.1



#6

Bromomethane

Concen: 44.643 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.000 min

Lab File: VV033038.D

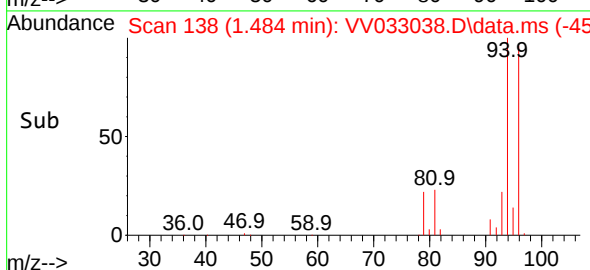
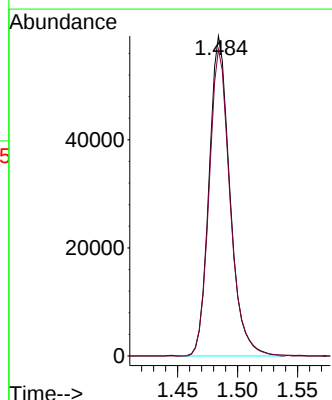
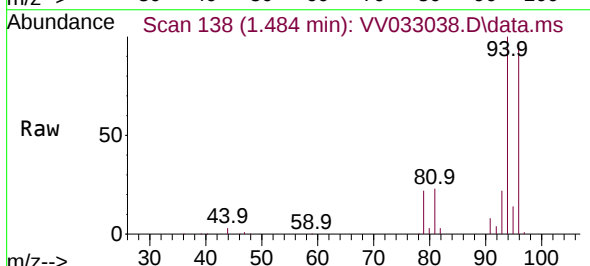
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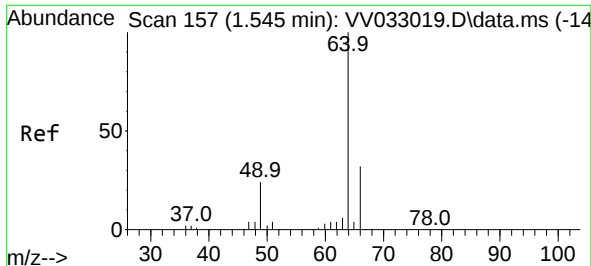
Tgt Ion: 94 Resp: 71672

Ion Ratio Lower Upper

94 100

96 95.8 64.4 119.6

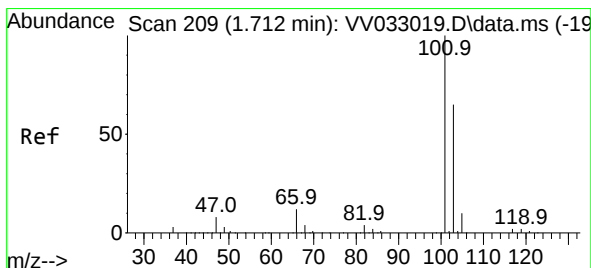
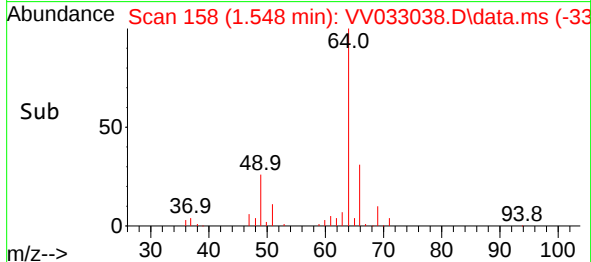
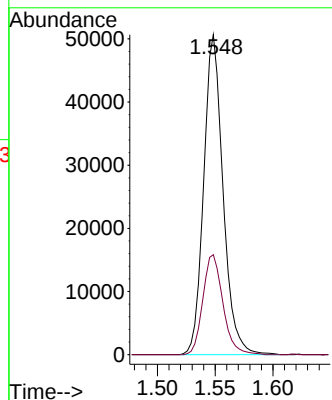
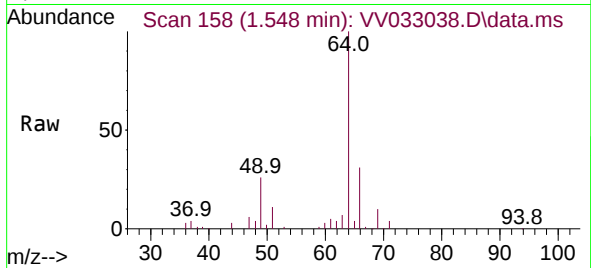




#8
Chloroethane
Concen: 43.880 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

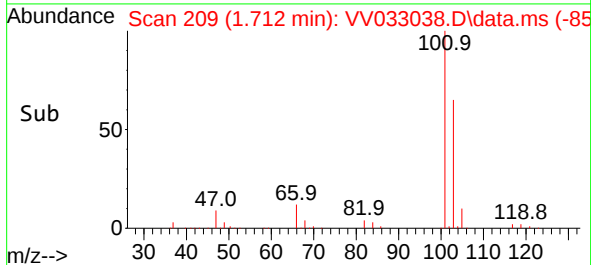
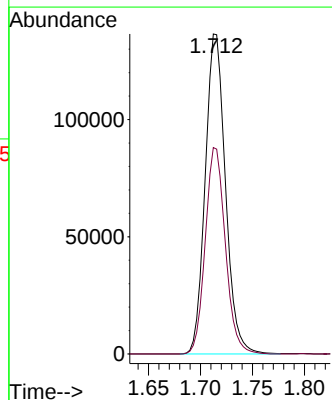
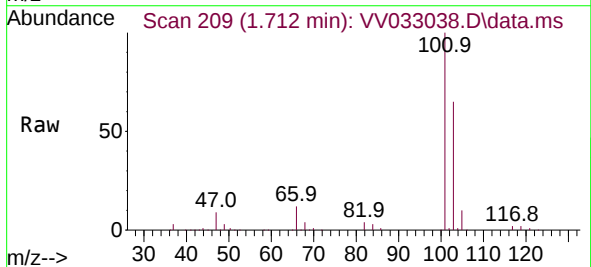
Instrument :
MSVOA_V
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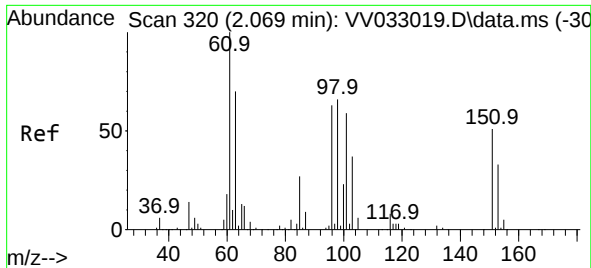
Tgt Ion: 64 Resp: 58967
Ion Ratio Lower Upper
64 100
66 31.3 22.8 42.4



#9
Trichlorofluoromethane
Concen: 47.074 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

Tgt Ion:101 Resp: 185158
Ion Ratio Lower Upper
101 100
103 63.8 52.1 78.1

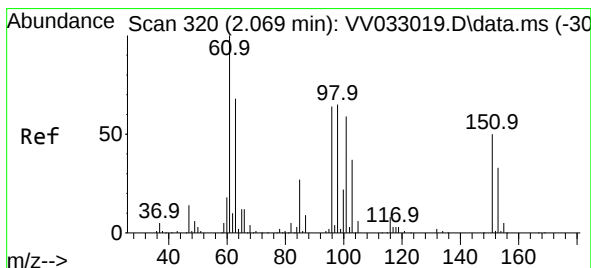
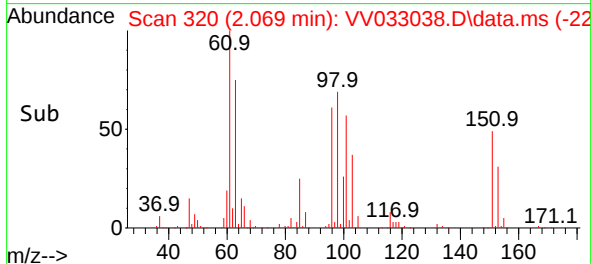
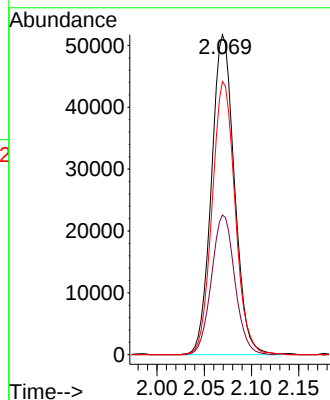
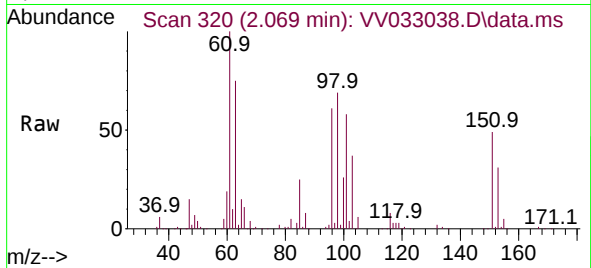




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.170 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV033038.D
 Acq: 20 Nov 2023 21:41

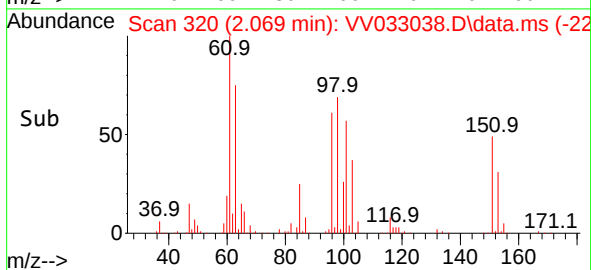
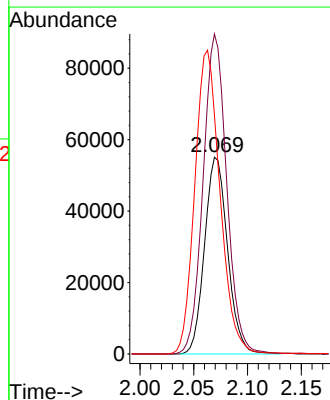
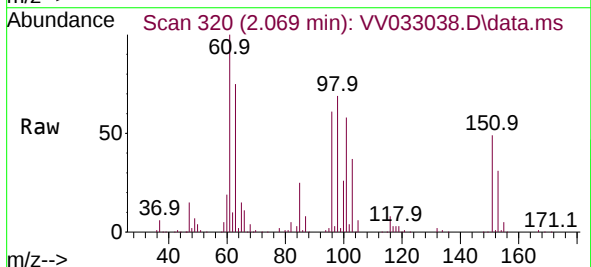
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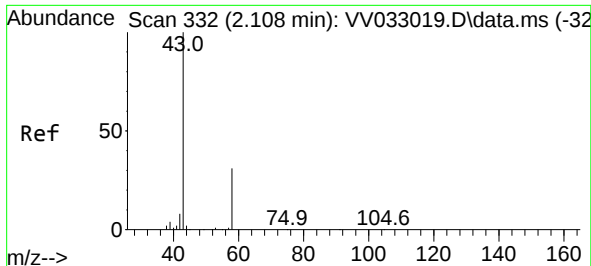
Tgt Ion:101 Resp: 87607
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.5 53.3
 151 85.5 67.0 100.4



#12
 1,1-Dichloroethene
 Concen: 45.716 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033038.D
 Acq: 20 Nov 2023 21:41

Tgt Ion: 96 Resp: 81867
 Ion Ratio Lower Upper
 96 100
 61 162.6 116.6 216.6
 63 121.5 84.8 157.4





#13

Acetone

Concen: 76.128 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Instrument :

MSVOA_V

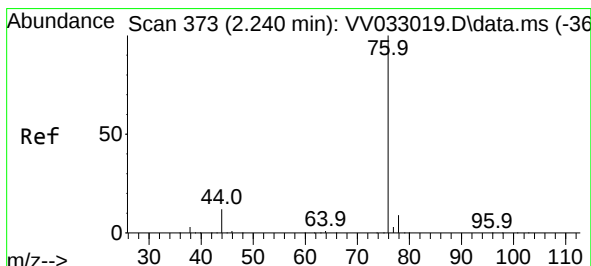
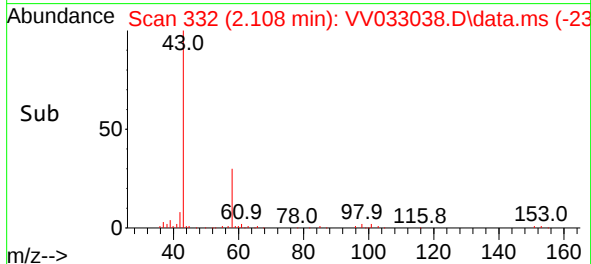
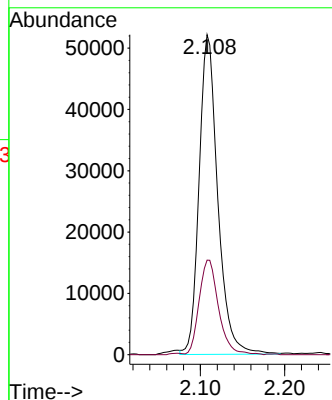
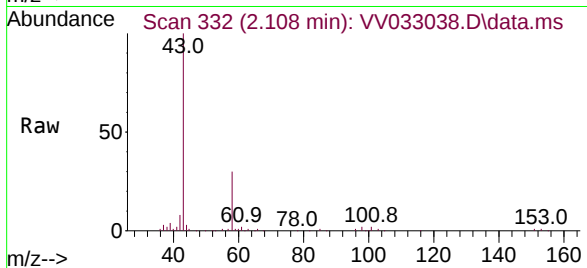
ClientSampleId :

Tgt Ion: 43 Resp: 80493

Ion Ratio Lower Upper

43 100

58 30.7 0.0 62.6



#14

Carbon disulfide

Concen: 45.942 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033038.D

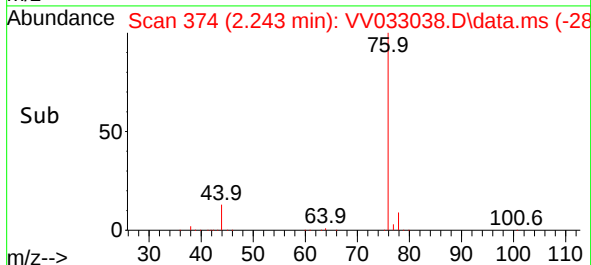
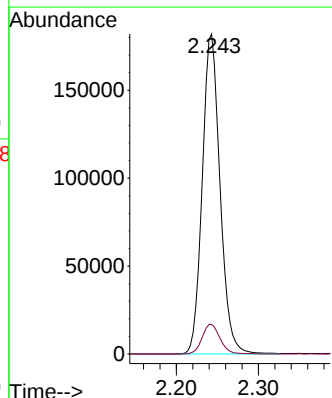
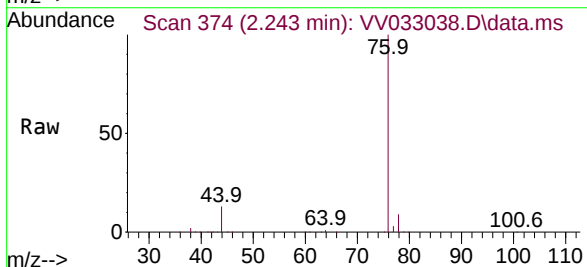
Acq: 20 Nov 2023 21:41

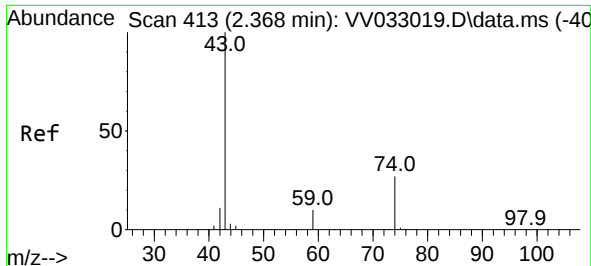
Tgt Ion: 76 Resp: 273627

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

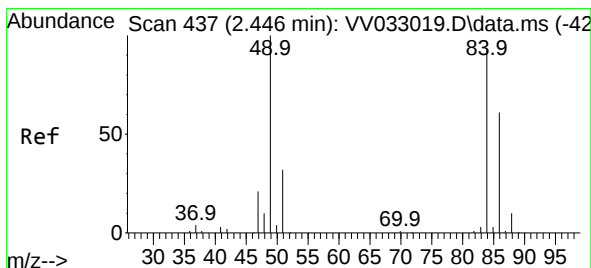
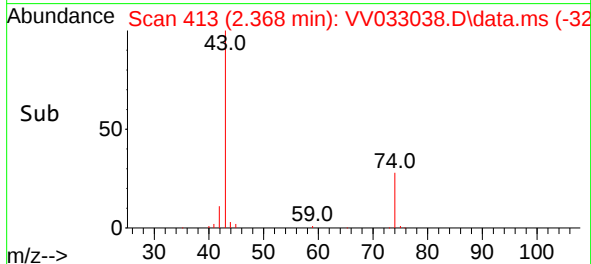
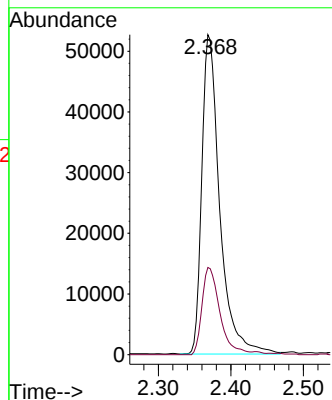
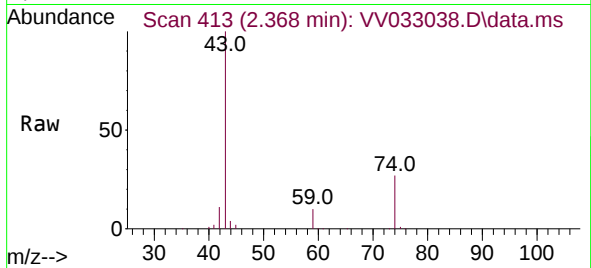




#15
Methyl Acetate
Concen: 48.832 ug/L
RT: 2.368 min Scan# 413
Delta R.T. -0.000 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

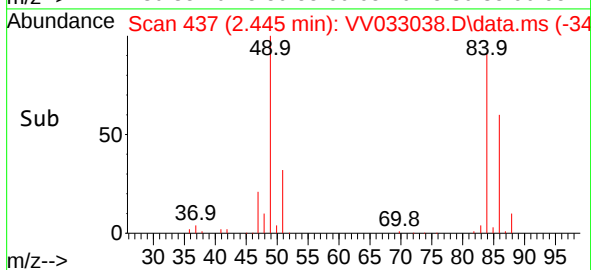
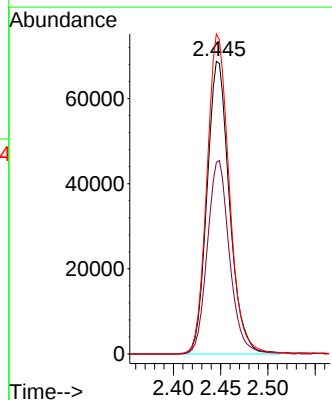
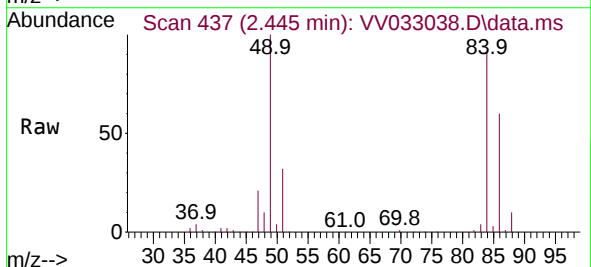
Instrument :
MSVOA_V
ClientSampleId :

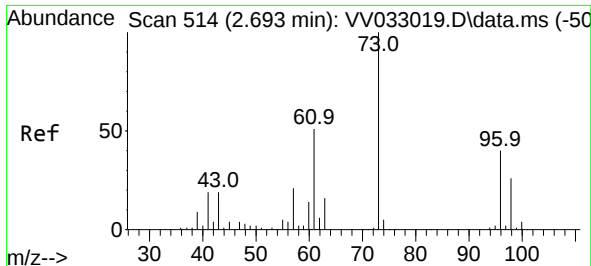
Tgt Ion: 43 Resp: 90517
Ion Ratio Lower Upper
43 100
74 27.2 22.7 34.1



#16
Methylene chloride
Concen: 44.829 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

Tgt Ion: 84 Resp: 113737
Ion Ratio Lower Upper
84 100
86 65.5 44.7 83.1
49 109.3 76.6 142.3

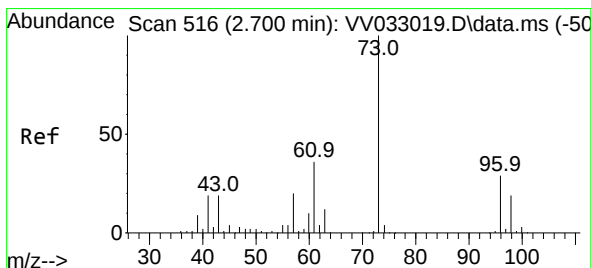
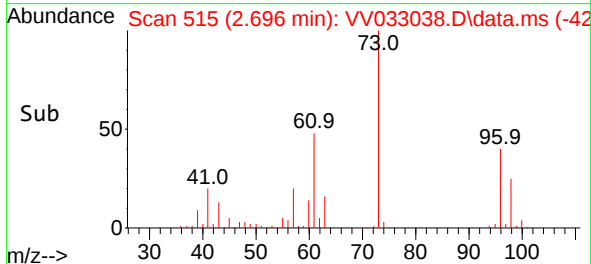
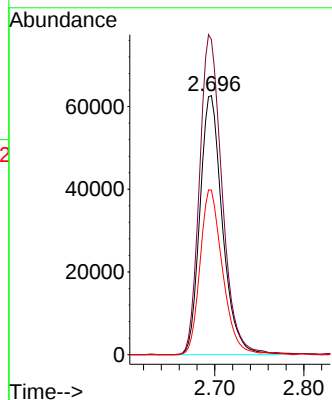
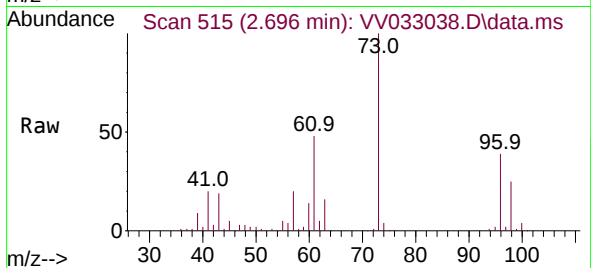




#17
trans-1,2-Dichloroethene
Concen: 47.969 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

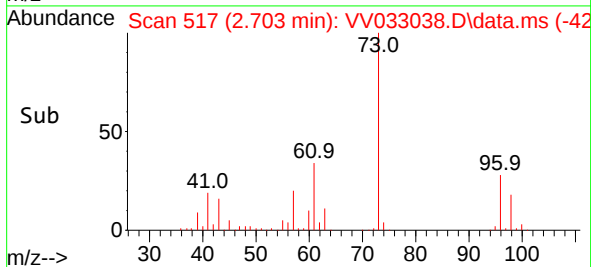
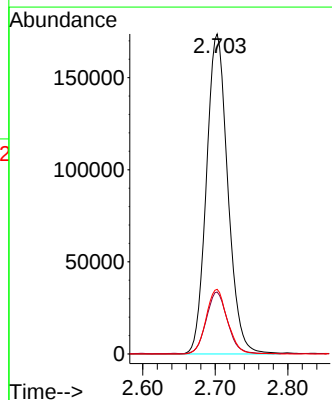
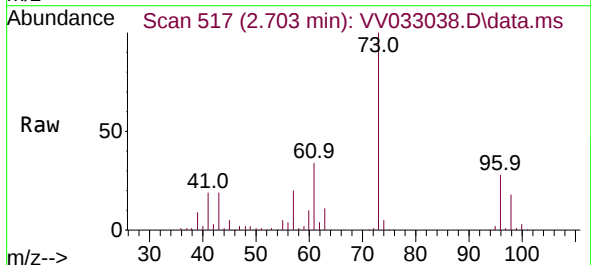
Instrument :
MSVOA_V
ClientSampleId :

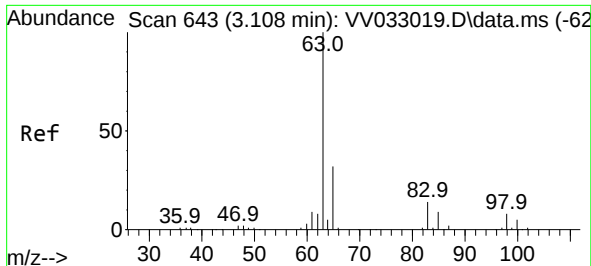
Tgt Ion: 96 Resp: 109936
Ion Ratio Lower Upper
96 100
61 121.7 89.5 166.3
98 63.5 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 49.537 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

Tgt Ion: 73 Resp: 356128
Ion Ratio Lower Upper
73 100
43 19.1 15.2 22.8
57 20.1 15.8 23.8





#19

1,1-Dichloroethane

Concen: 47.148 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

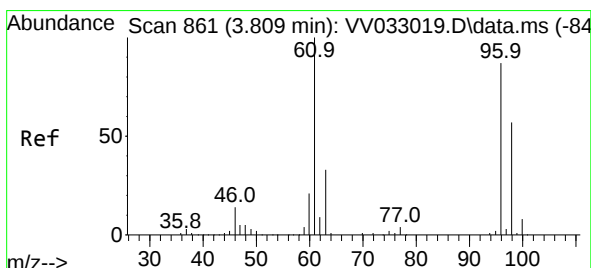
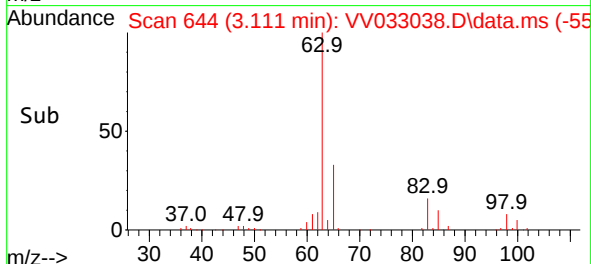
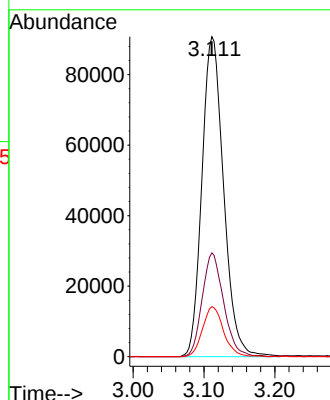
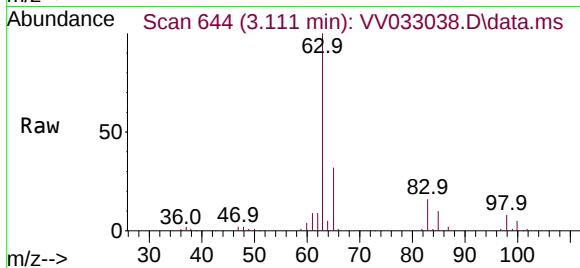
Tgt Ion: 63 Resp: 193018

Ion Ratio Lower Upper

63 100

65 32.5 22.4 41.6

83 15.7 10.7 19.9



#20

cis-1,2-Dichloroethene

Concen: 47.818 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.006 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

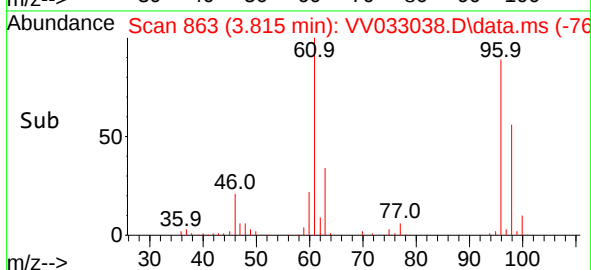
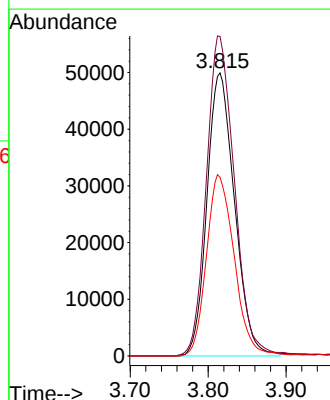
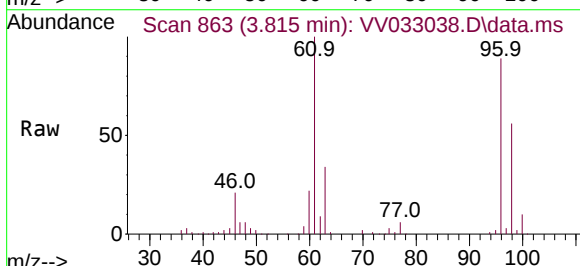
Tgt Ion: 96 Resp: 122874

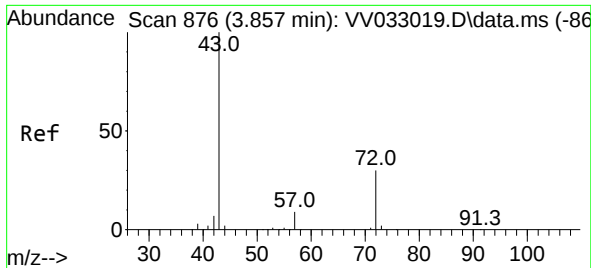
Ion Ratio Lower Upper

96 100

61 112.9 80.2 149.0

98 63.1 45.1 83.7

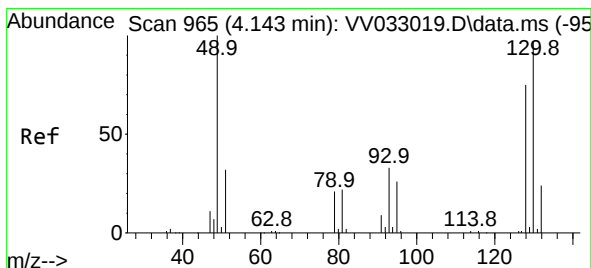
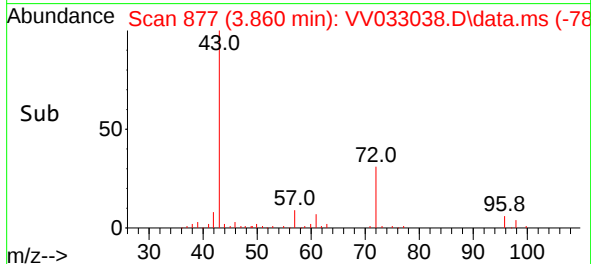
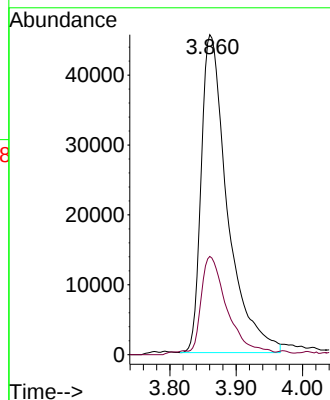
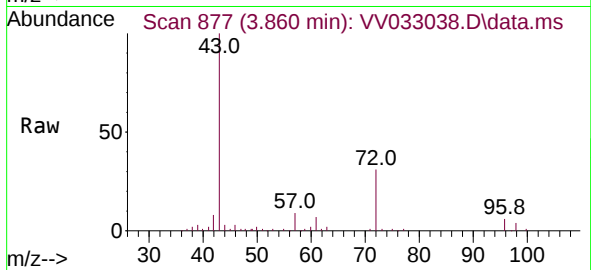




#22
2-Butanone
Concen: 91.427 ug/L
RT: 3.860 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

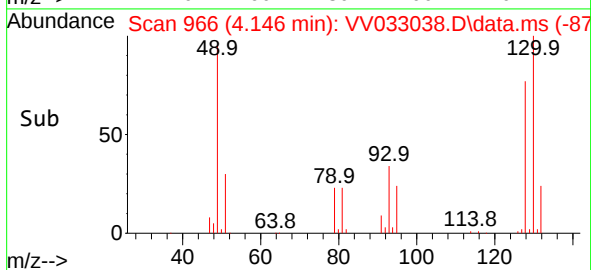
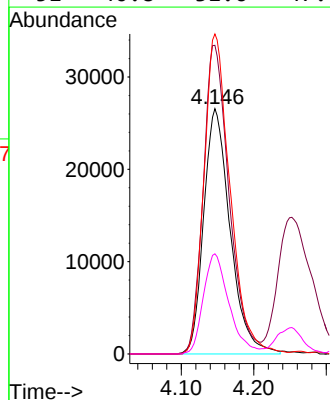
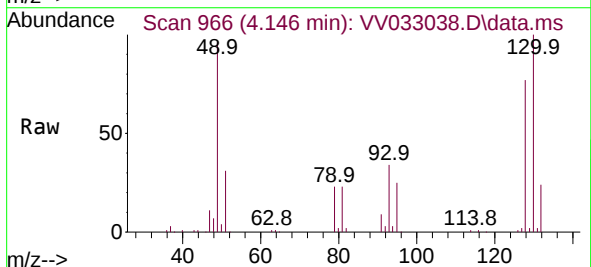
Instrument :
MSVOA_V
ClientSampleId :

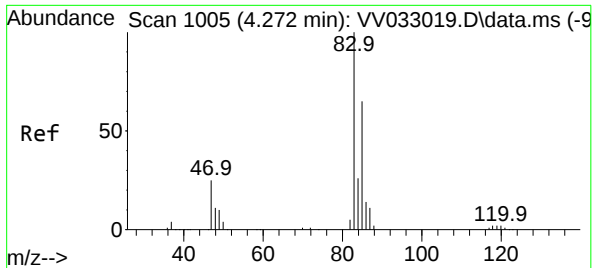
Tgt Ion: 43 Resp: 125168
Ion Ratio Lower Upper
43 100
72 30.4 13.9 41.7



#23
Bromochloromethane
Concen: 47.537 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

Tgt Ion:128 Resp: 67187
Ion Ratio Lower Upper
128 100
49 125.8 87.1 161.7
130 130.4 88.1 163.5
51 40.8 31.6 47.4

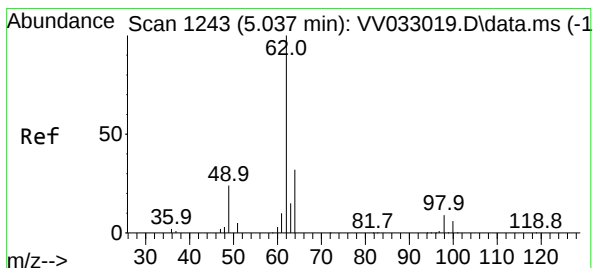
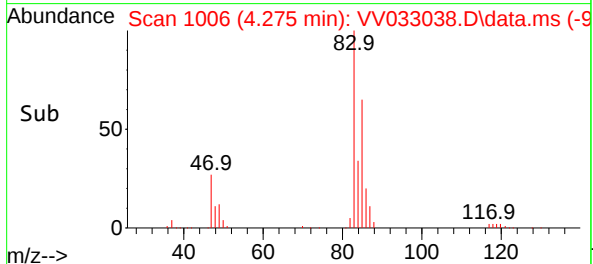
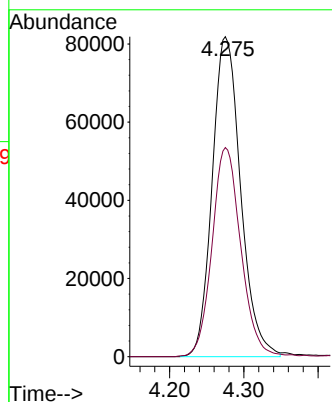
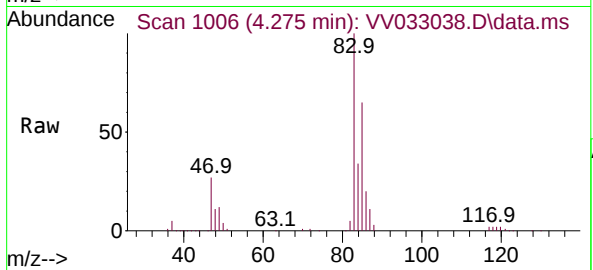




#25
Chloroform
Concen: 47.303 ug/L
RT: 4.275 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

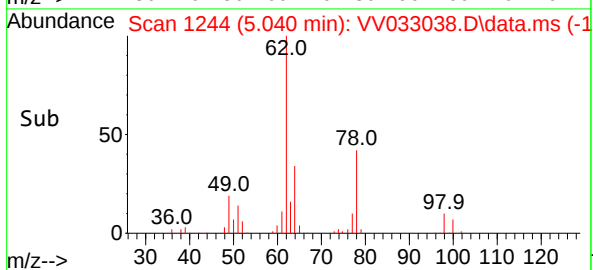
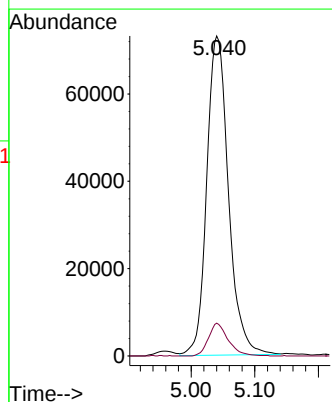
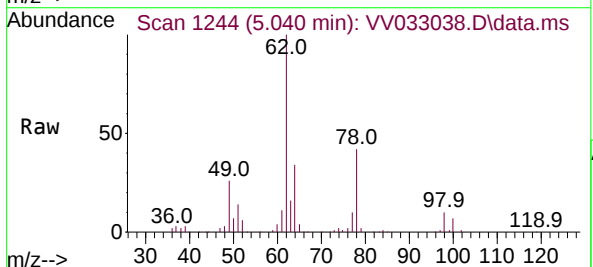
Instrument :
MSVOA_V
ClientSampleId :

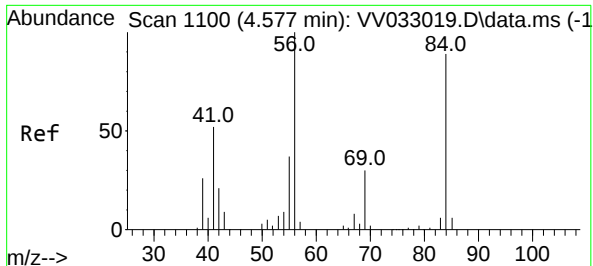
Tgt Ion: 83 Resp: 217964
Ion Ratio Lower Upper
83 100
85 65.3 46.2 85.8



#27
1,2-Dichloroethane
Concen: 48.242 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

Tgt Ion: 62 Resp: 173409
Ion Ratio Lower Upper
62 100
98 10.3 8.3 12.5





#29

Cyclohexane

Concen: 48.897 ug/L

RT: 4.584 min Scan# 1100

Delta R.T. 0.006 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

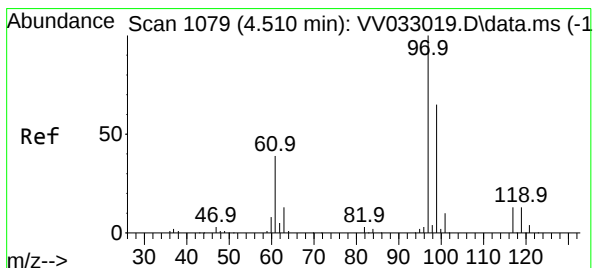
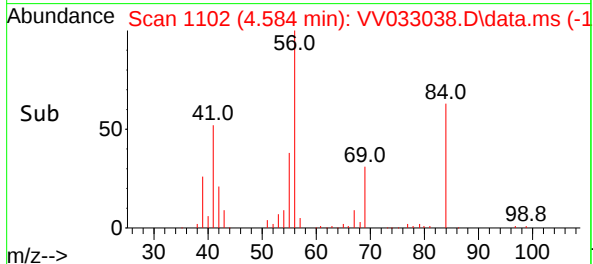
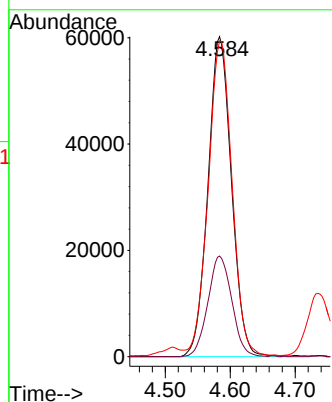
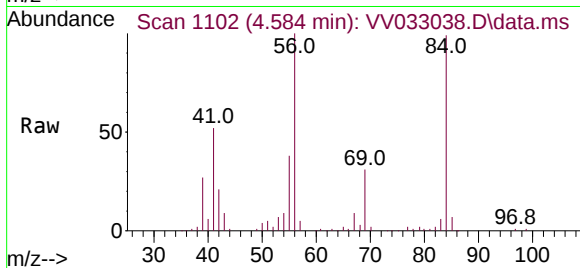
Tgt Ion: 56 Resp: 151358

Ion Ratio Lower Upper

56 100

69 32.0 26.7 40.1

84 99.5 78.1 117.1



#30

1,1,1-Trichloroethane

Concen: 49.388 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

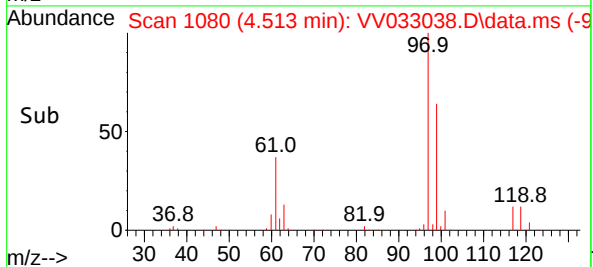
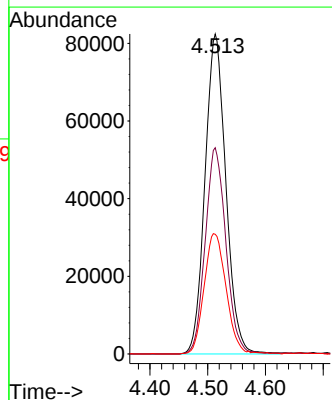
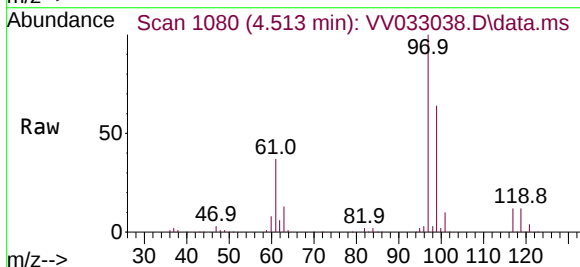
Tgt Ion: 97 Resp: 206958

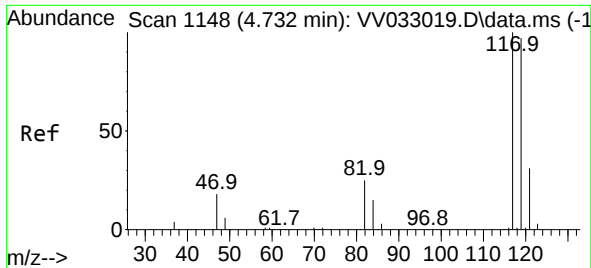
Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

61 39.3 32.1 48.1

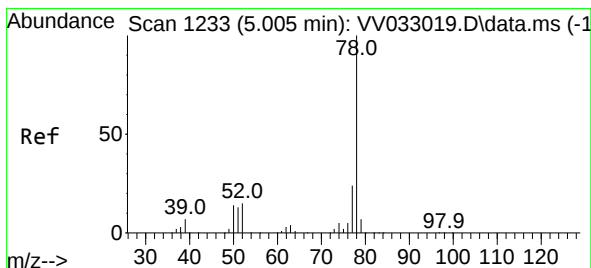
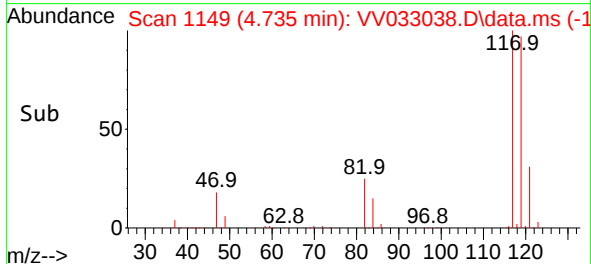
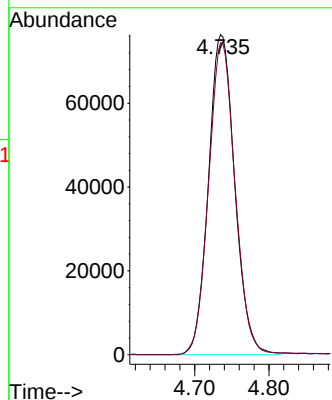
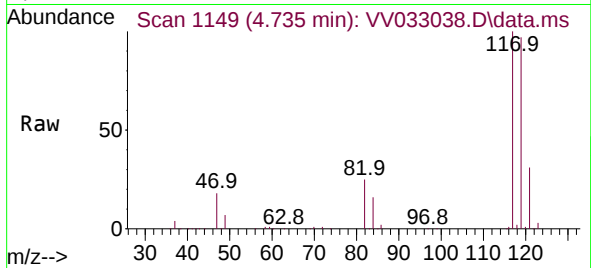




#31
Carbon tetrachloride
Concen: 48.124 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

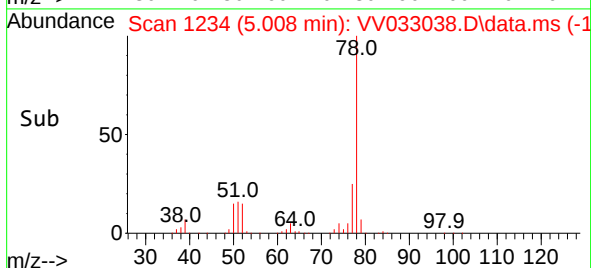
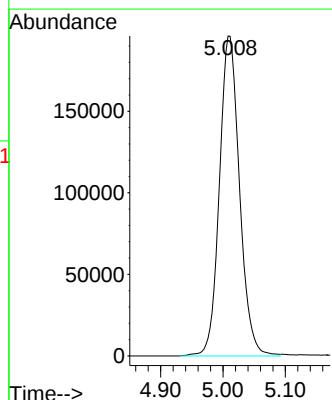
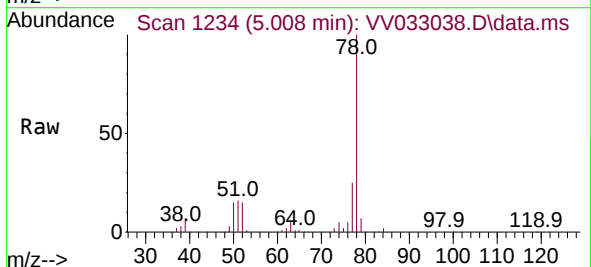
Instrument :
MSVOA_V
ClientSampleId :

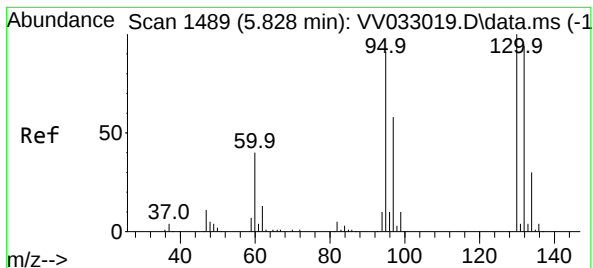
Tgt Ion:117 Resp: 187928
Ion Ratio Lower Upper
117 100
119 97.9 76.5 114.7



#33
Benzene
Concen: 49.253 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

Tgt Ion: 78 Resp: 439531





#34

Trichloroethene

Concen: 49.437 ug/L

RT: 5.834 min Scan# 14

Delta R.T. 0.006 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 124353

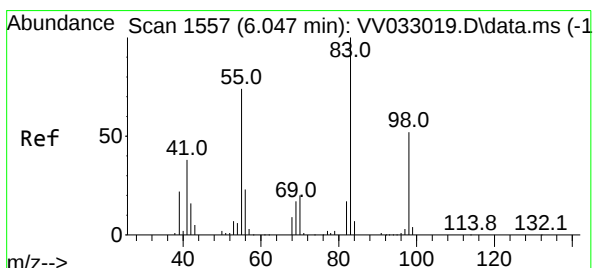
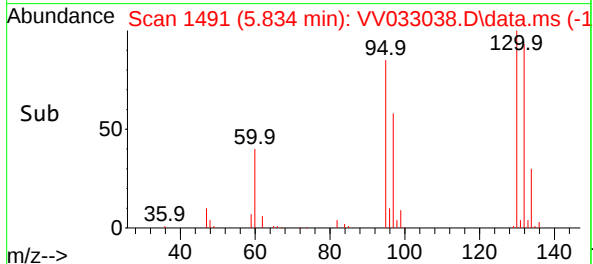
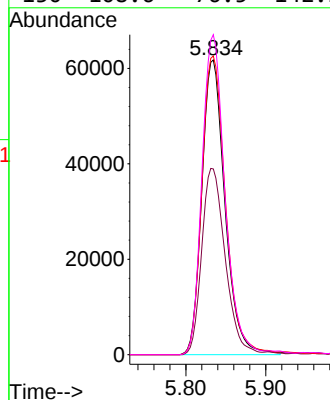
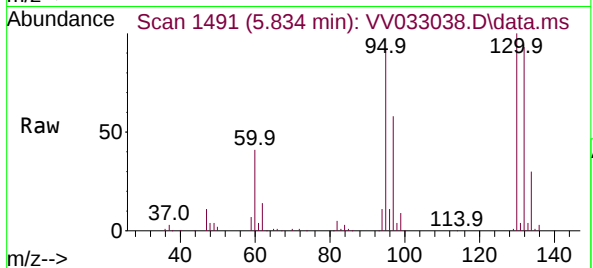
Ion Ratio Lower Upper

95 100

97 63.0 46.0 85.4

132 101.4 76.0 141.2

130 108.6 76.5 142.1



#35

Methylcyclohexane

Concen: 49.163 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

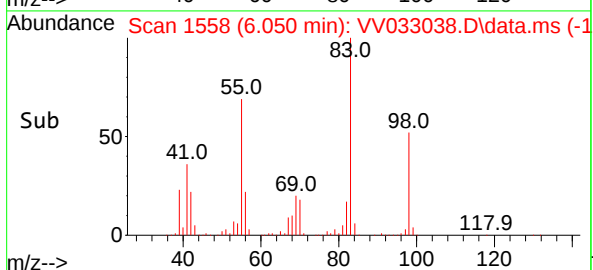
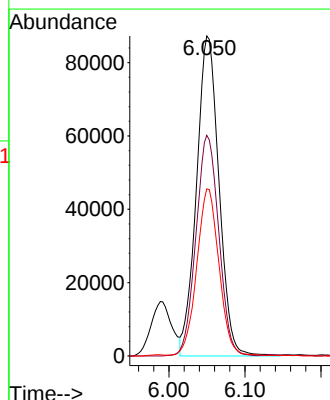
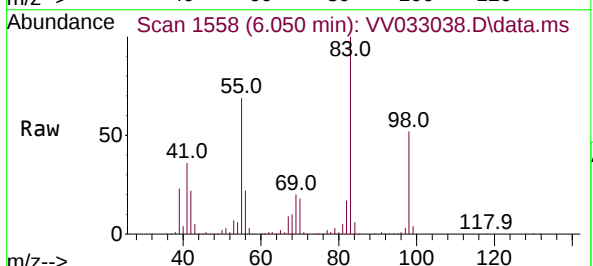
Tgt Ion: 83 Resp: 179740

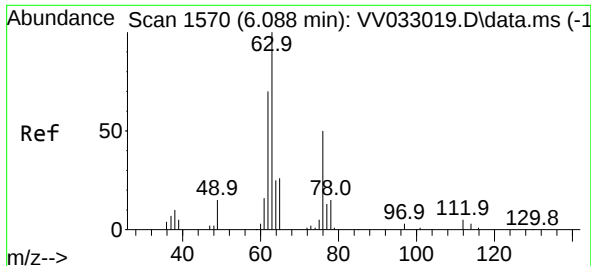
Ion Ratio Lower Upper

83 100

55 69.7 56.3 84.5

98 51.1 40.5 60.7





#37

1,2-Dichloropropane

Concen: 48.010 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Instrument :

MSVOA_V

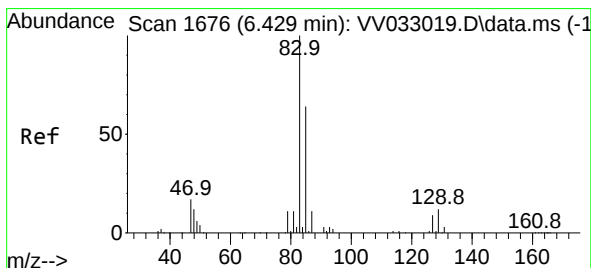
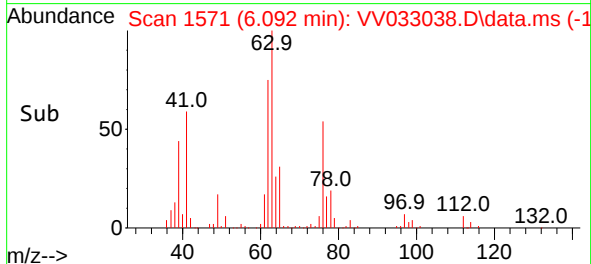
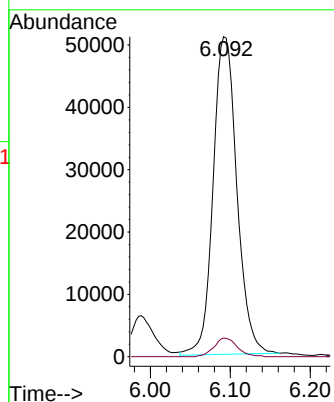
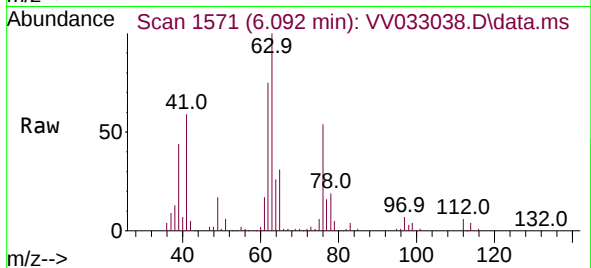
ClientSampleId :

Tgt Ion: 63 Resp: 105162

Ion Ratio Lower Upper

63 100

112 5.7 4.6 7.0



#38

Bromodichloromethane

Concen: 47.901 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

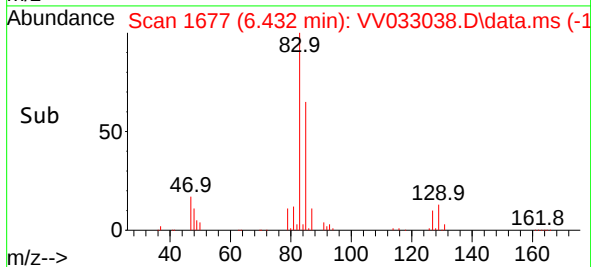
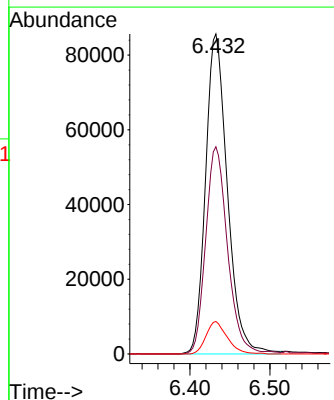
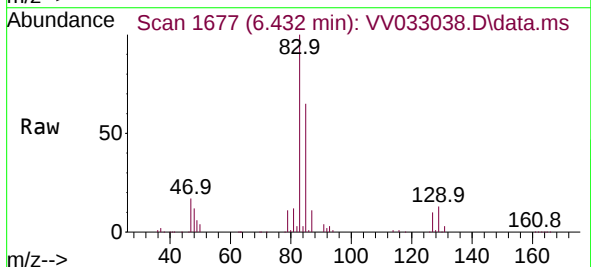
Tgt Ion: 83 Resp: 163023

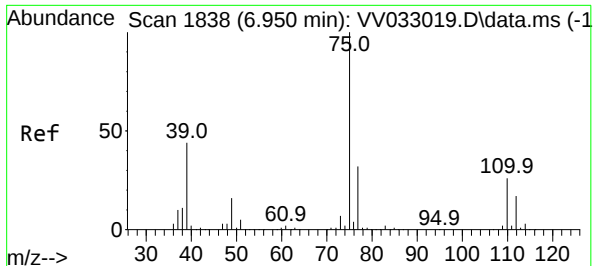
Ion Ratio Lower Upper

83 100

85 64.8 44.7 83.1

127 10.1 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 50.957 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Instrument :

MSVOA_V

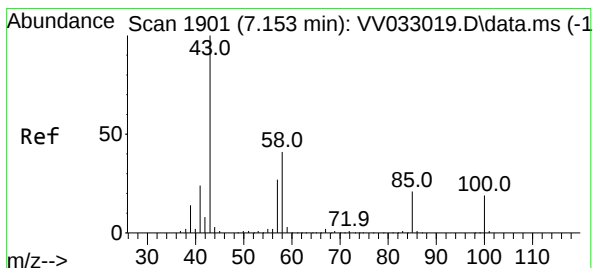
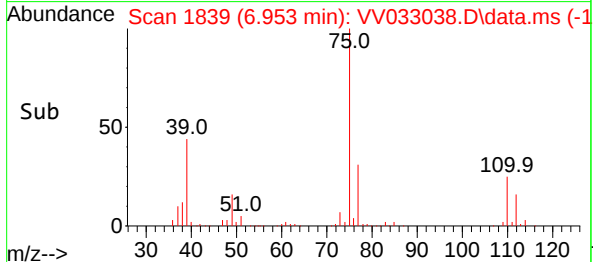
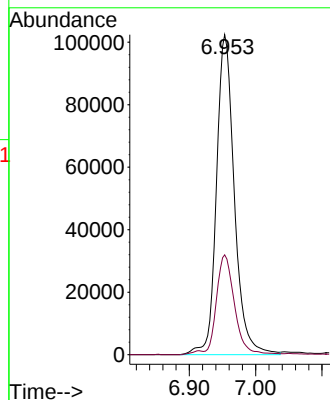
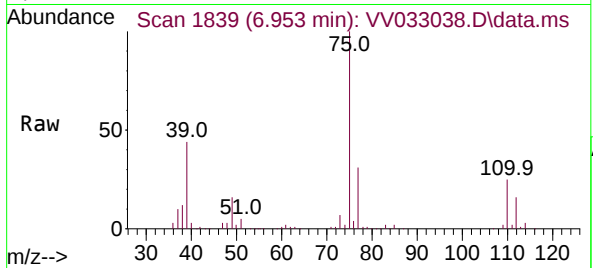
ClientSampleId :

Tgt Ion: 75 Resp: 192159

Ion Ratio Lower Upper

75 100

77 31.2 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 104.280 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

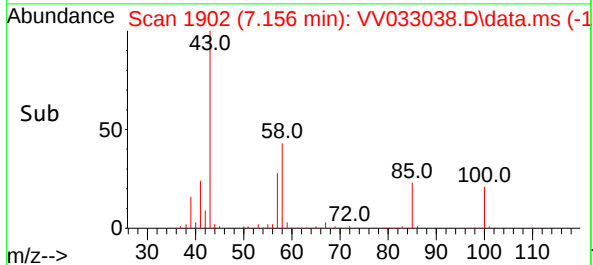
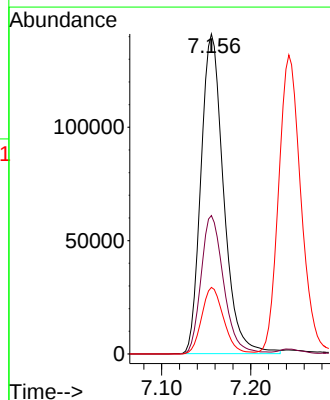
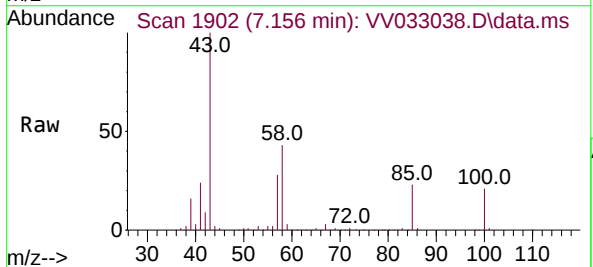
Tgt Ion: 43 Resp: 249849

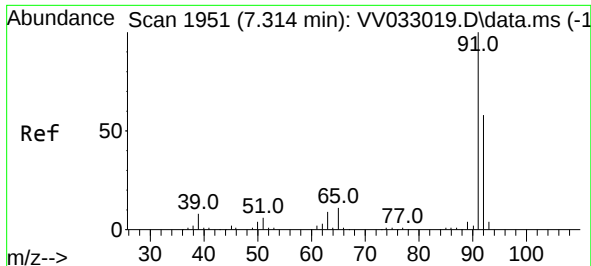
Ion Ratio Lower Upper

43 100

58 43.1 33.2 49.8

100 20.1 14.9 22.3

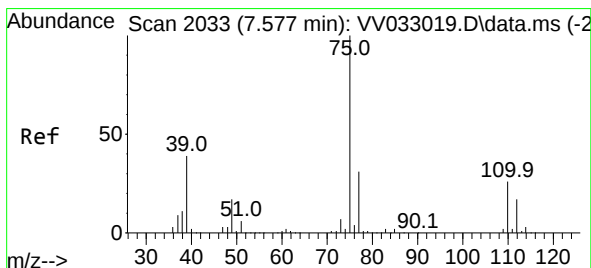
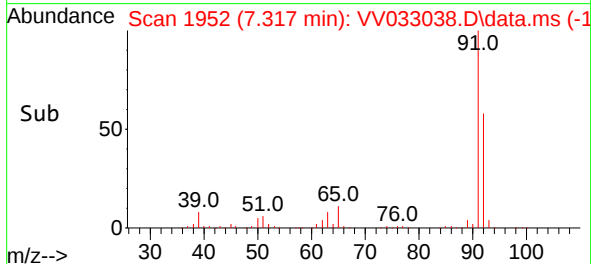
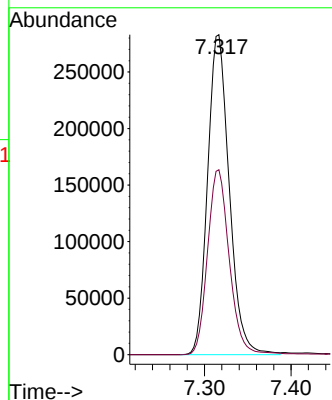
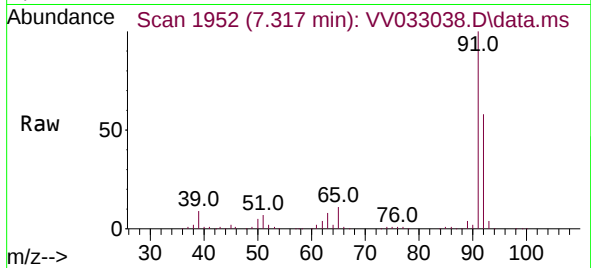




#42
Toluene
Concen: 49.711 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

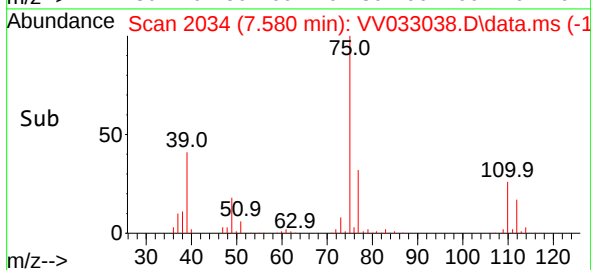
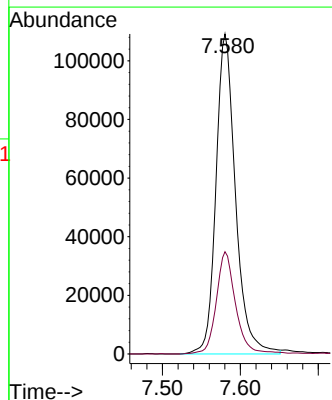
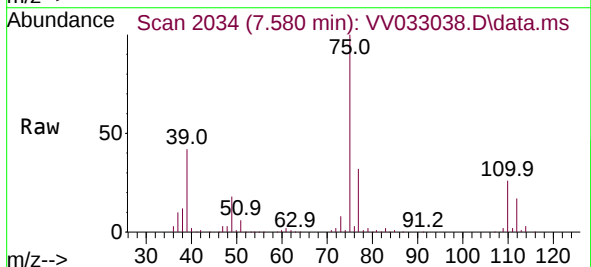
Instrument :
MSVOA_V
ClientSampleId :

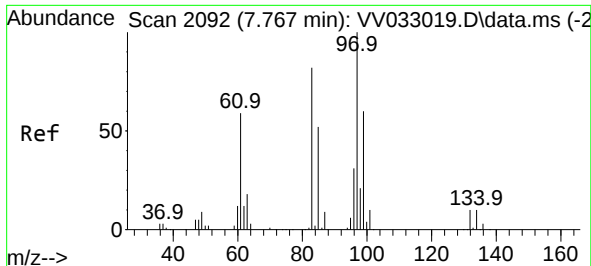
Tgt Ion: 91 Resp: 491544
Ion Ratio Lower Upper
91 100
92 57.8 40.9 75.9



#44
trans-1,3-Dichloropropene
Concen: 50.278 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

Tgt Ion: 75 Resp: 190517
Ion Ratio Lower Upper
75 100
77 31.9 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 49.052 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 121002

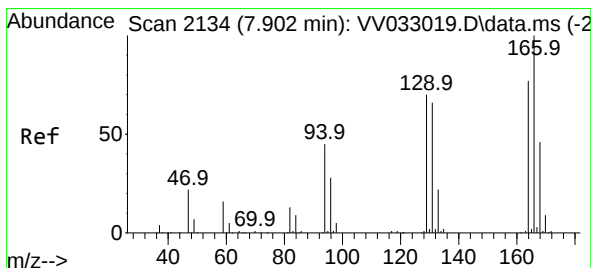
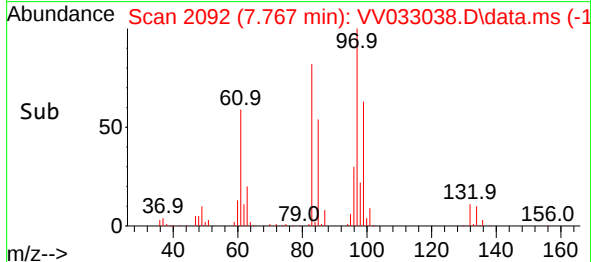
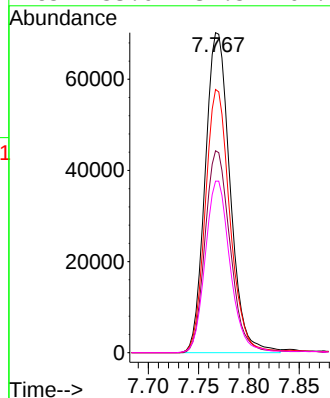
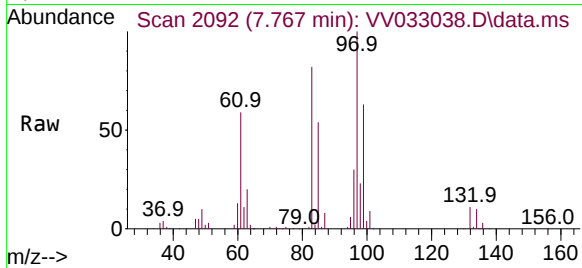
Ion Ratio Lower Upper

97 100

99 63.1 43.5 80.9

83 82.2 55.6 103.2

85 53.6 37.5 69.6



#46

Tetrachloroethene

Concen: 47.749 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.003 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Tgt Ion:164 Resp: 104667

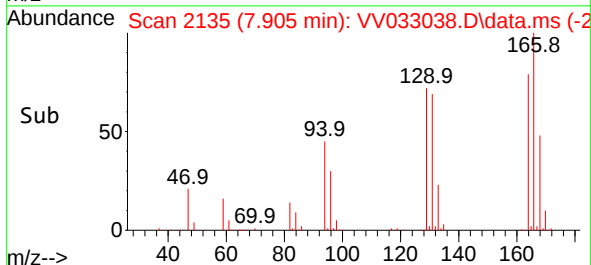
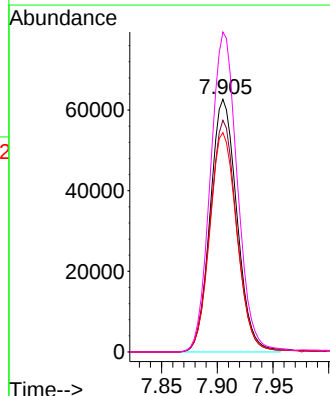
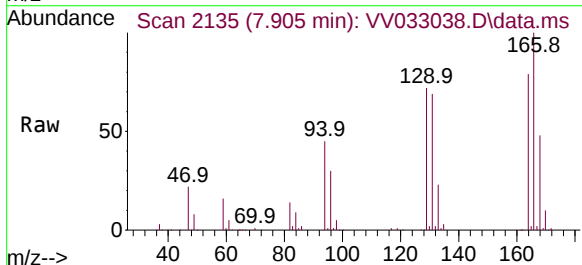
Ion Ratio Lower Upper

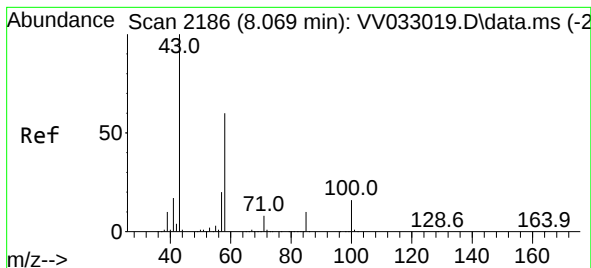
164 100

129 91.7 65.7 122.1

131 86.8 62.5 116.1

166 126.6 89.8 166.8





#48

2-Hexanone

Concen: 100.027 ug/L

RT: 8.072 min Scan# 2186

Delta R.T. 0.003 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 189602

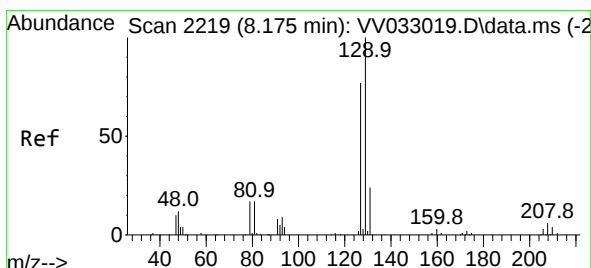
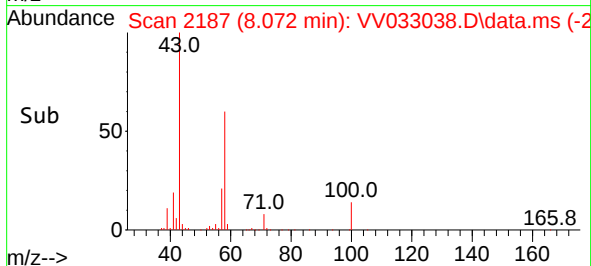
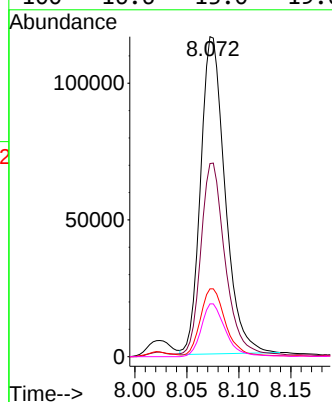
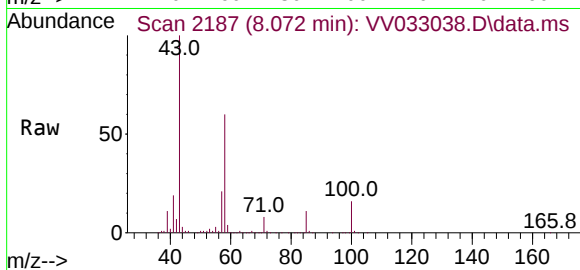
Ion Ratio Lower Upper

43 100

58 60.6 47.0 70.6

57 22.3 17.0 25.6

100 16.6 13.0 19.6



#49

Dibromochloromethane

Concen: 49.458 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.000 min

Lab File: VV033038.D

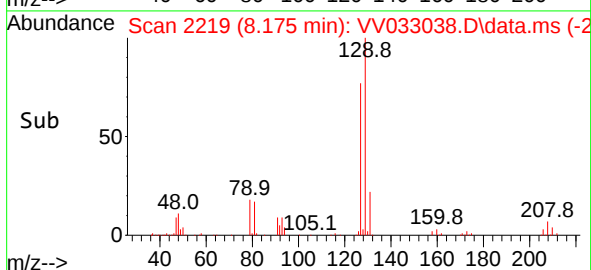
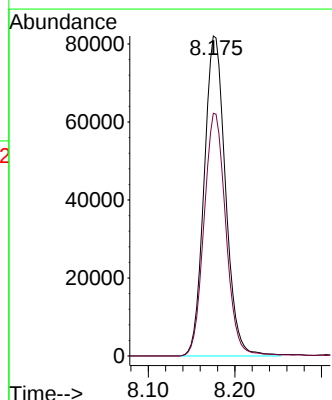
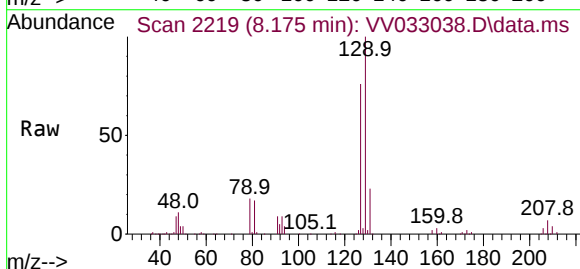
Acq: 20 Nov 2023 21:41

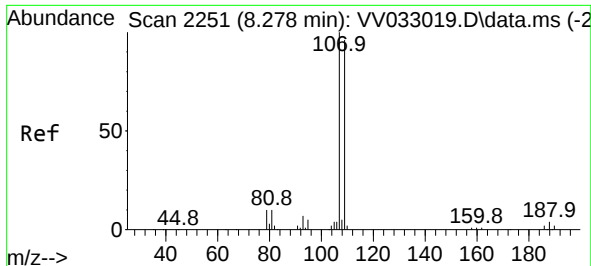
Tgt Ion:129 Resp: 140614

Ion Ratio Lower Upper

129 100

127 75.9 54.4 101.0





#50

1,2-Dibromoethane

Concen: 50.016 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.003 min

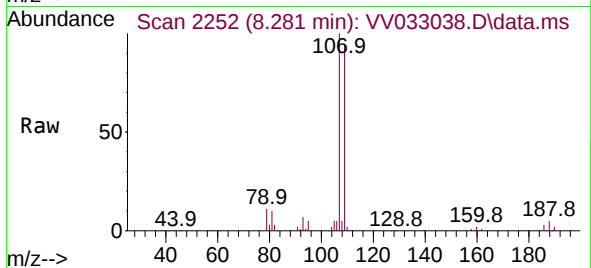
Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :



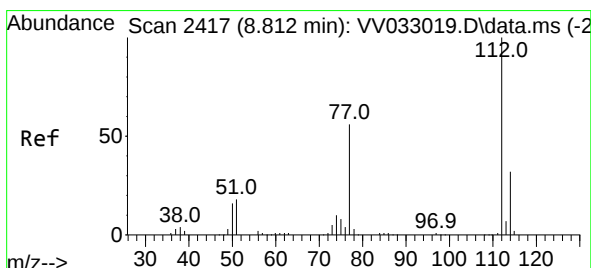
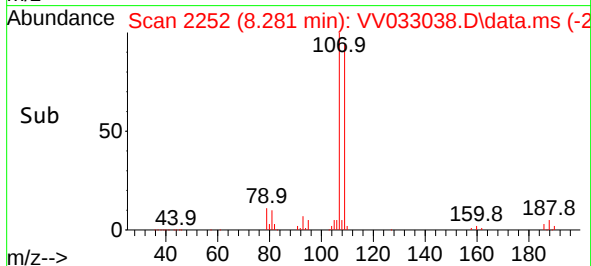
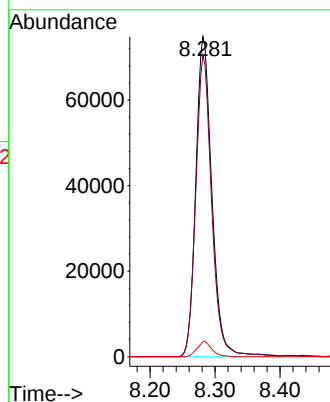
Tgt Ion:107 Resp: 129219

Ion Ratio Lower Upper

107 100

109 94.2 67.3 125.1

188 4.6 3.3 4.9



#51

Chlorobenzene

Concen: 47.955 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

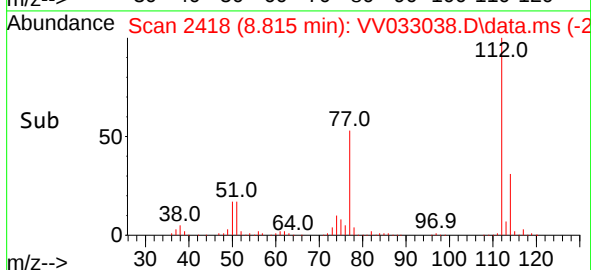
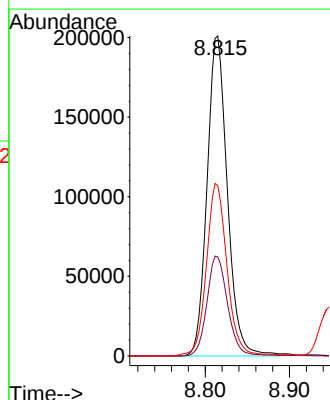
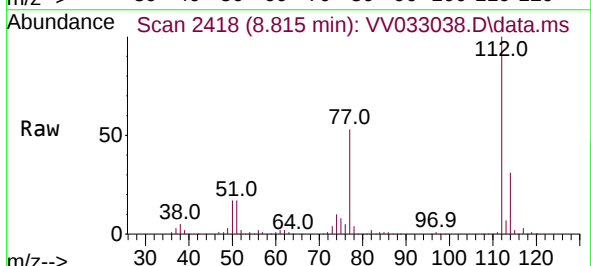
Tgt Ion:112 Resp: 336489

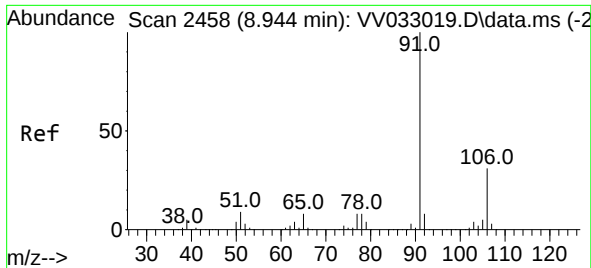
Ion Ratio Lower Upper

112 100

114 31.0 22.3 41.5

77 53.3 43.0 64.6





#52

Ethylbenzene

Concen: 49.086 ug/L

RT: 8.947 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Instrument :

MSVOA_V

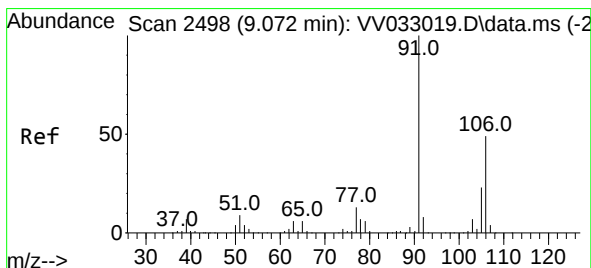
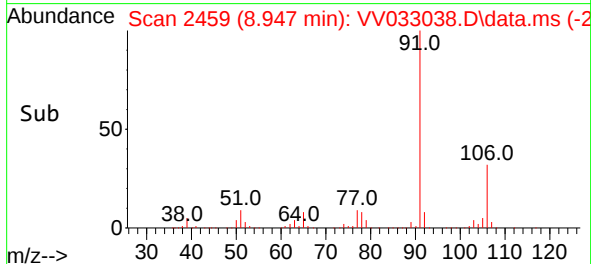
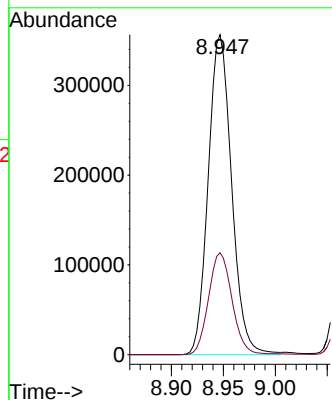
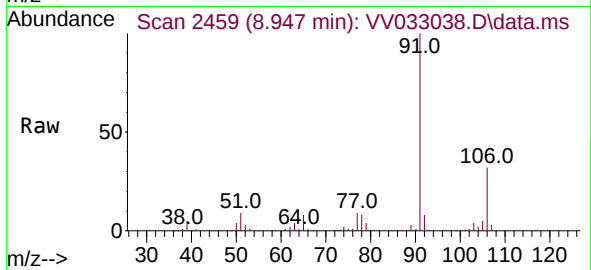
ClientSampleId :

Tgt Ion: 91 Resp: 557196

Ion Ratio Lower Upper

91 100

106 31.9 22.1 41.1



#53

m,p-Xylene

Concen: 49.285 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. -0.000 min

Lab File: VV033038.D

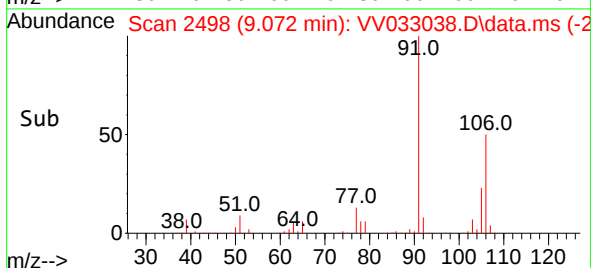
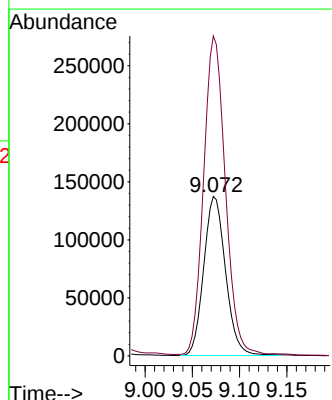
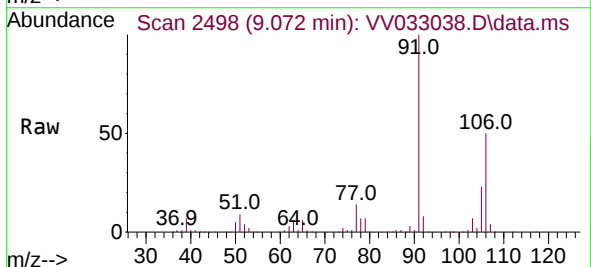
Acq: 20 Nov 2023 21:41

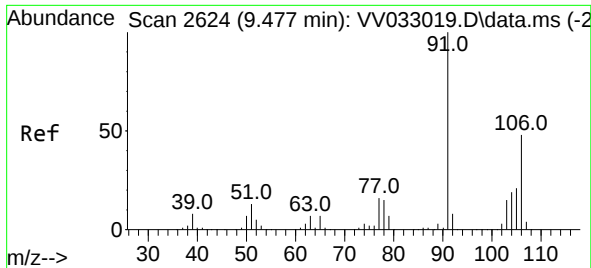
Tgt Ion:106 Resp: 219806

Ion Ratio Lower Upper

106 100

91 200.6 138.6 257.4

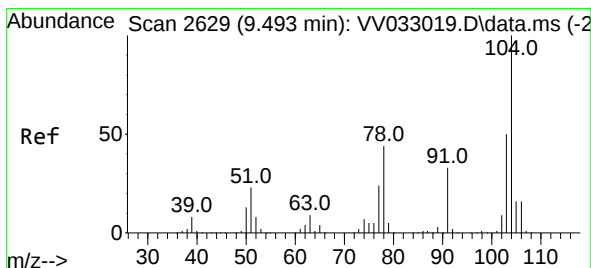
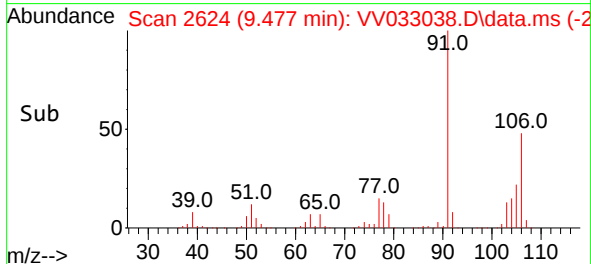
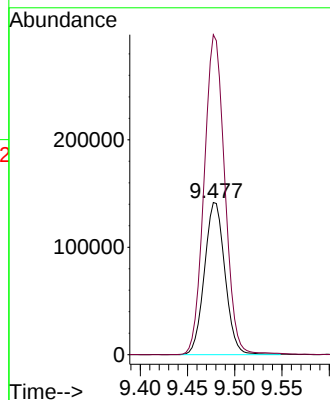
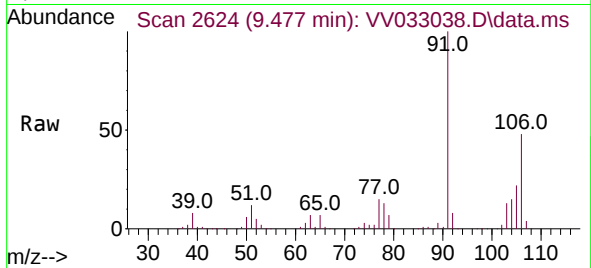




#54
o-Xylene
Concen: 49.942 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

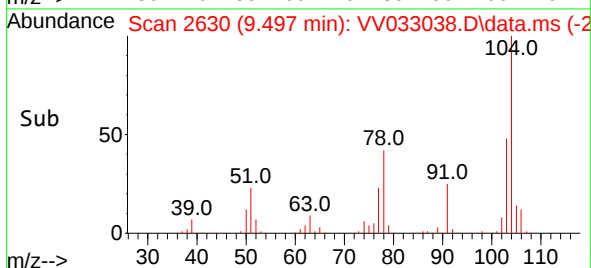
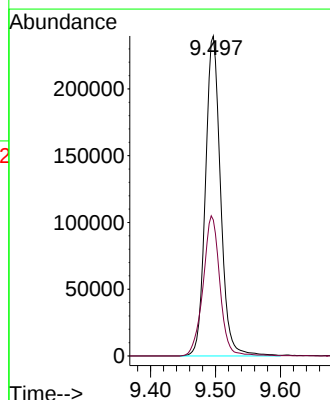
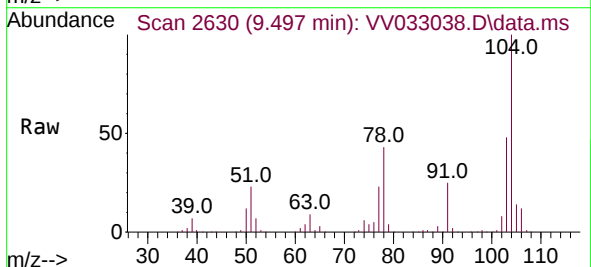
Instrument :
MSVOA_V
ClientSampleId :

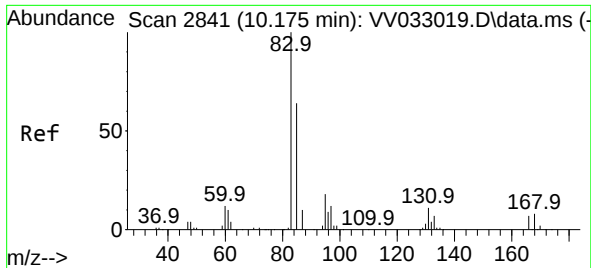
Tgt Ion:106 Resp: 214403
Ion Ratio Lower Upper
106 100
91 210.3 147.3 273.5



#55
Styrene
Concen: 50.878 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

Tgt Ion:104 Resp: 389635
Ion Ratio Lower Upper
104 100
78 42.5 30.2 56.2

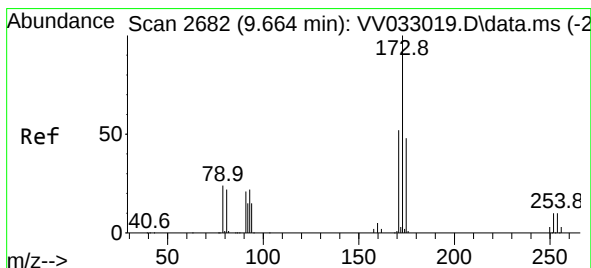
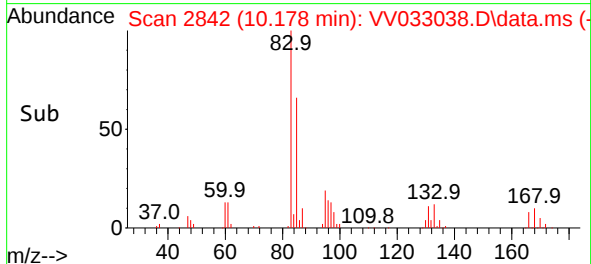
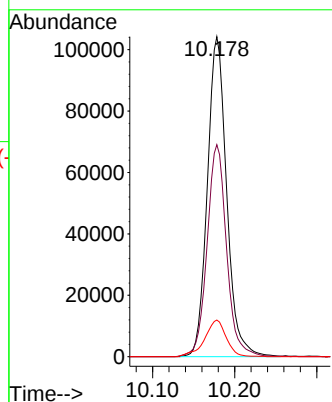
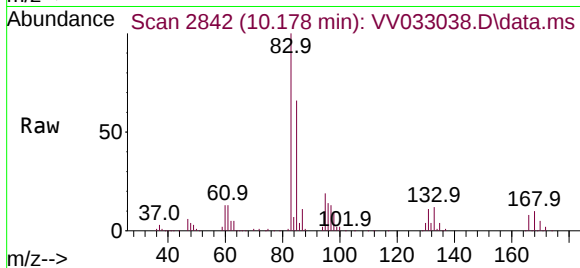




#57
1,1,2,2-Tetrachloroethane
Concen: 49.028 ug/L
RT: 10.178 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

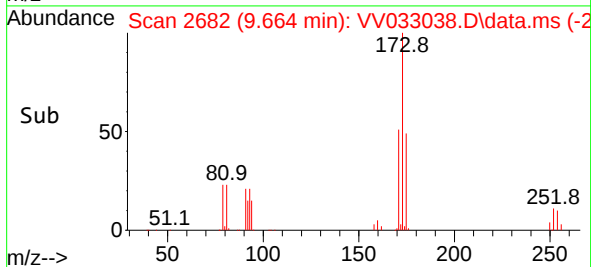
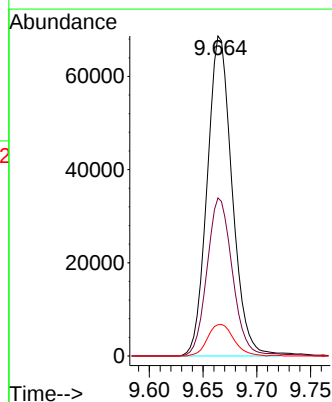
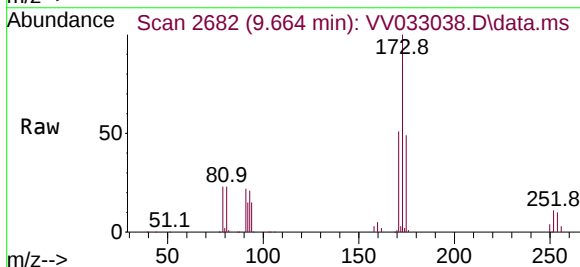
Instrument :
MSVOA_V
ClientSampleId :

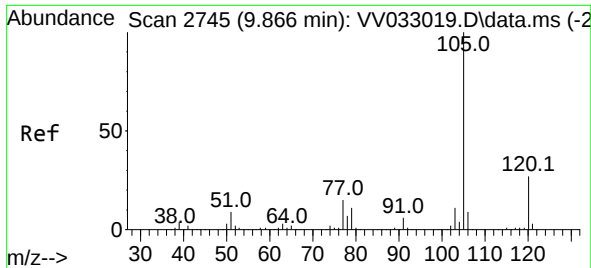
Tgt Ion: 83 Resp: 170851
Ion Ratio Lower Upper
83 100
85 66.3 45.8 85.2
131 11.5 9.4 14.0



#59
Bromoform
Concen: 49.056 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

Tgt Ion: 173 Resp: 110790
Ion Ratio Lower Upper
173 100
175 50.6 38.7 58.1
254 10.4 7.9 11.9

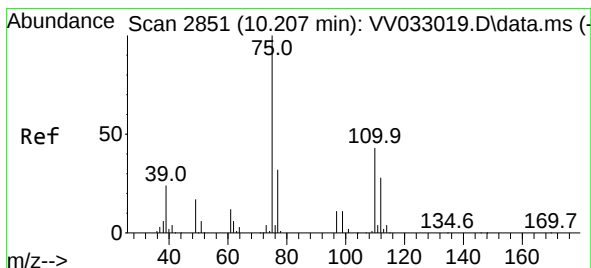
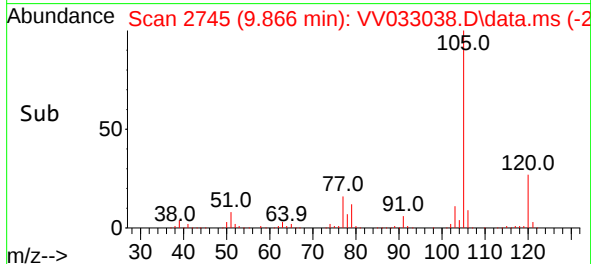
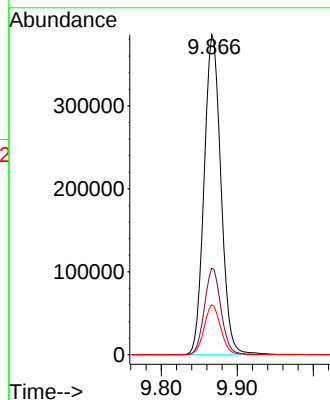
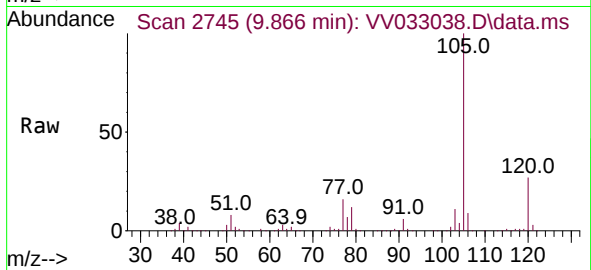




#60
Isopropylbenzene
Concen: 50.425 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

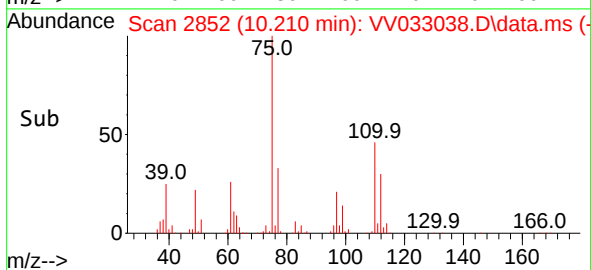
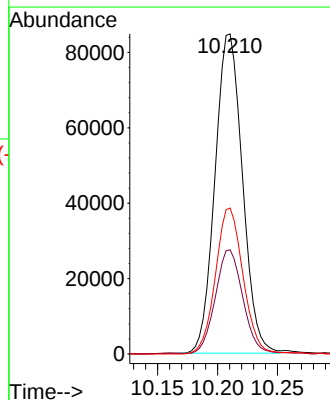
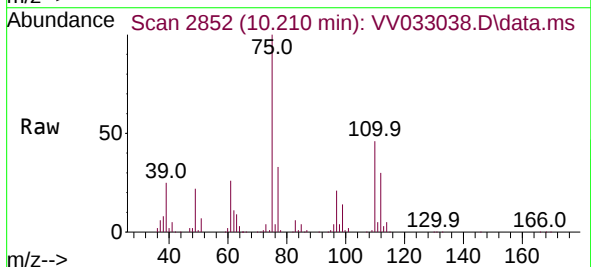
Instrument :
MSVOA_V
ClientSampleId :

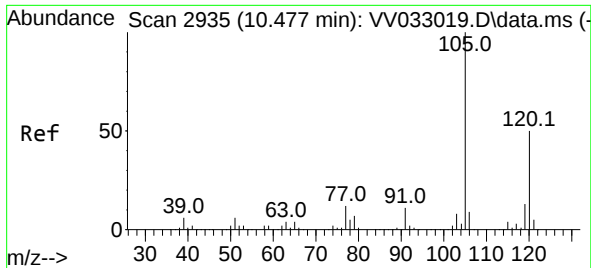
Tgt Ion:105 Resp: 592390
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.2
77 15.3 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 48.225 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

Tgt Ion: 75 Resp: 134818
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2
110 46.0 36.2 54.4

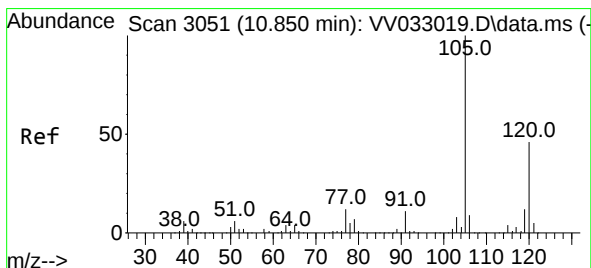
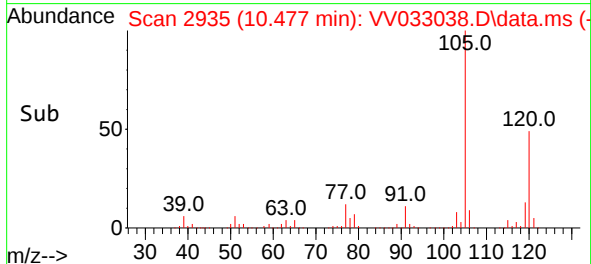
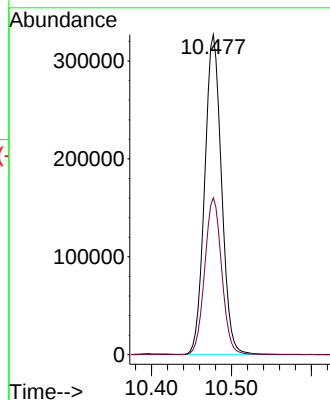
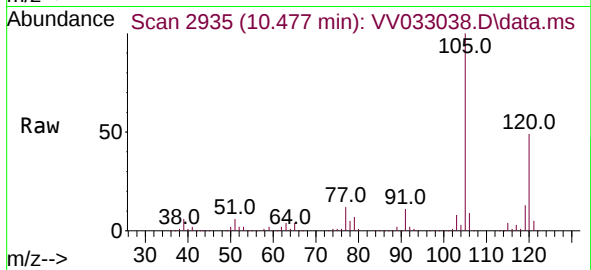




#62
 1,3,5-Trimethylbenzene
 Concen: 50.699 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VV033038.D
 Acq: 20 Nov 2023 21:41

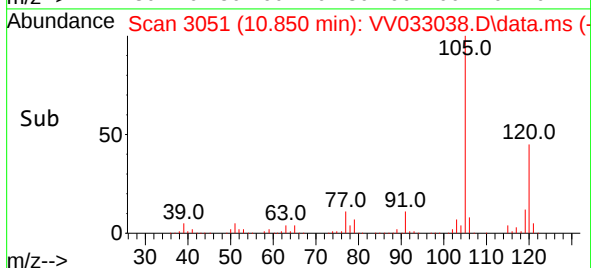
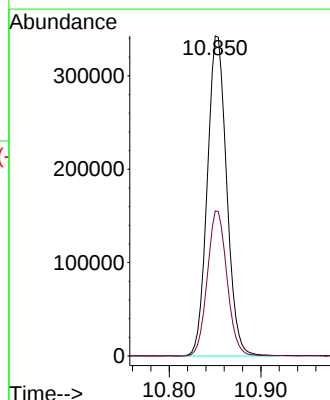
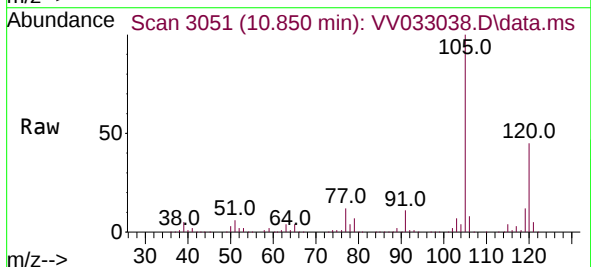
Instrument :
 MSVOA_V
 ClientSampleId :

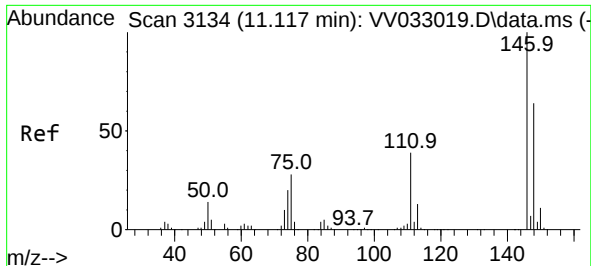
Tgt Ion:105 Resp: 477859
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 50.986 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. -0.000 min
 Lab File: VV033038.D
 Acq: 20 Nov 2023 21:41

Tgt Ion:105 Resp: 503451
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.7 55.1

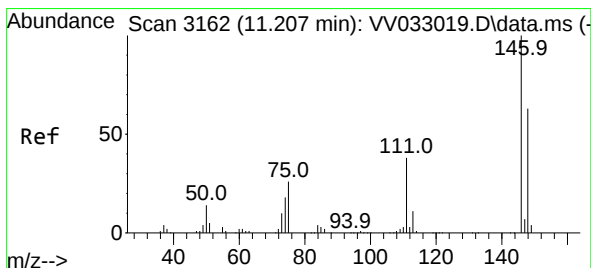
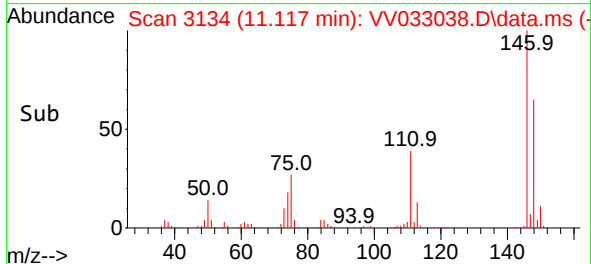
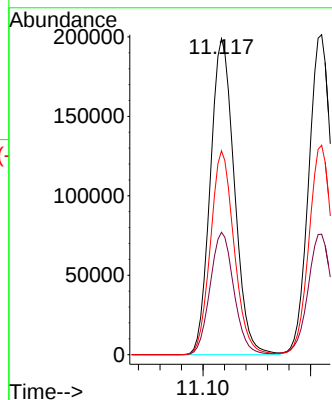
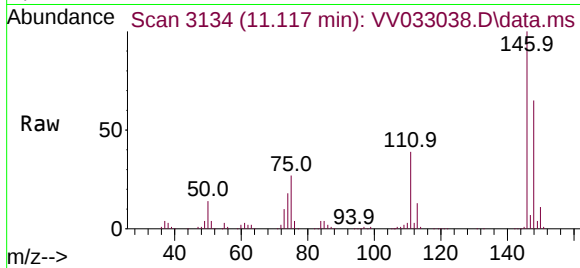




#64
1,3-Dichlorobenzene
Concen: 49.081 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

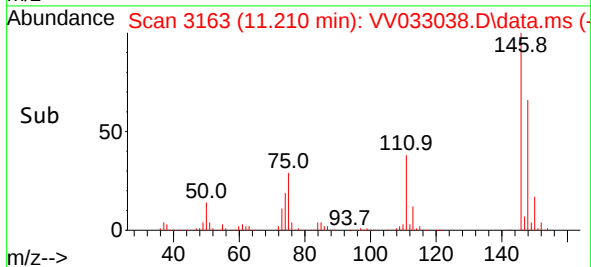
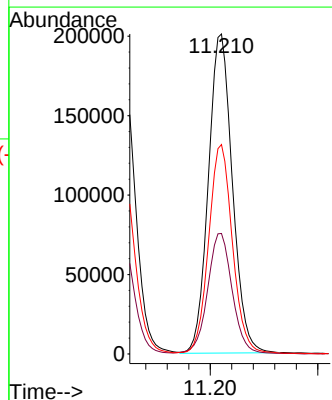
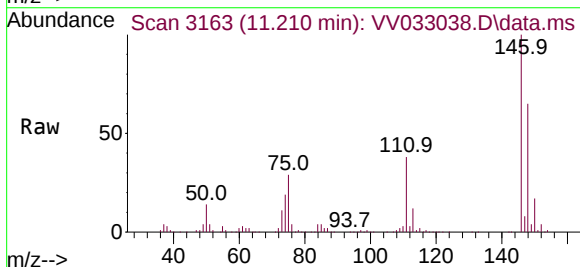
Instrument :
MSVOA_V
ClientSampleId :

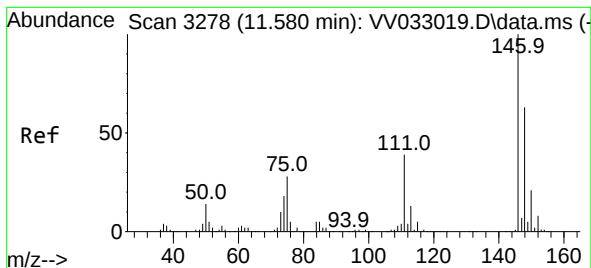
Tgt Ion:146 Resp: 308916
Ion Ratio Lower Upper
146 100
111 38.8 26.5 49.1
148 64.5 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 46.533 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

Tgt Ion:146 Resp: 311321
Ion Ratio Lower Upper
146 100
111 37.7 25.1 46.7
148 65.5 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 48.229 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

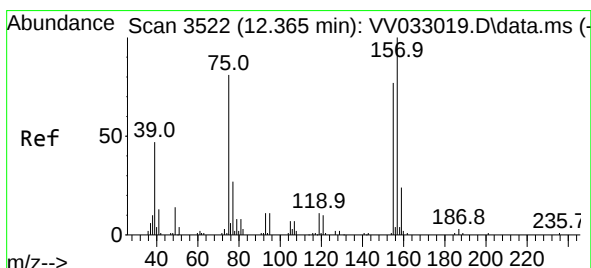
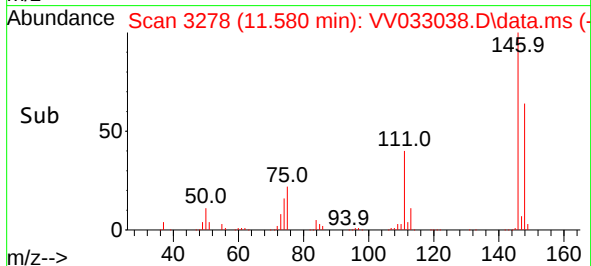
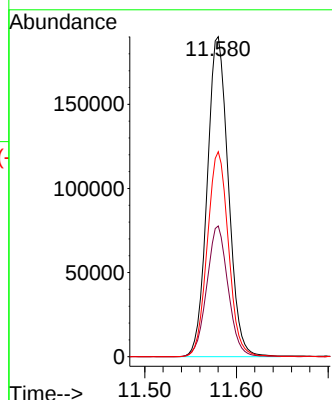
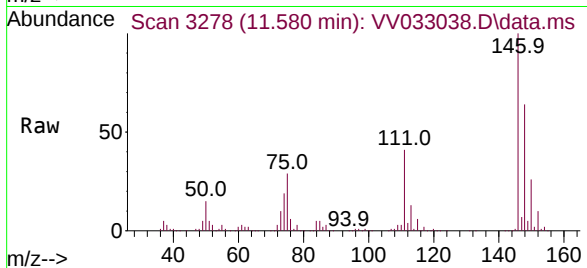
Tgt Ion:146 Resp: 304596

Ion Ratio Lower Upper

146 100

111 40.9 31.8 47.6

148 64.1 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 49.966 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

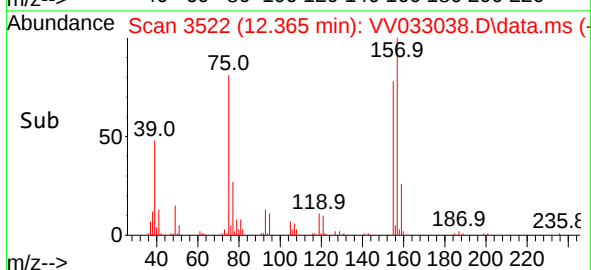
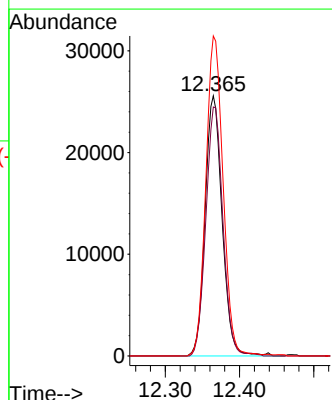
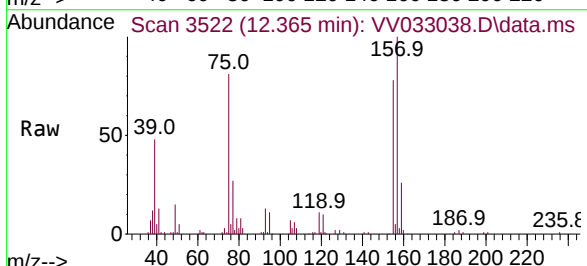
Tgt Ion: 75 Resp: 40636

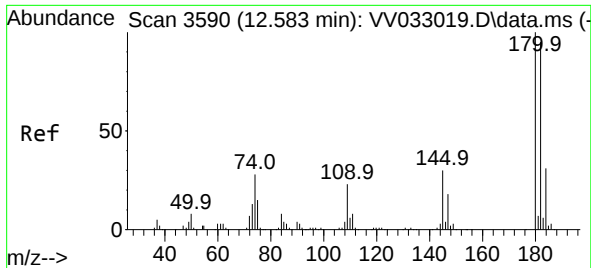
Ion Ratio Lower Upper

75 100

155 95.7 79.8 119.8

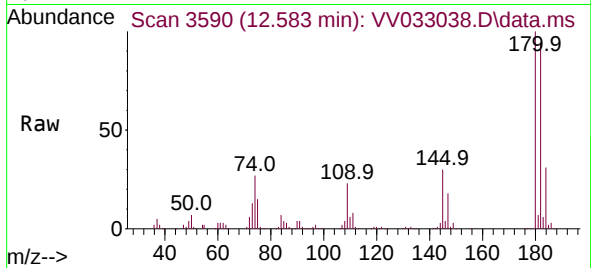
157 123.0 102.5 153.7



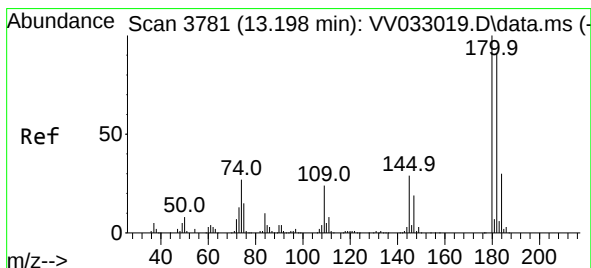
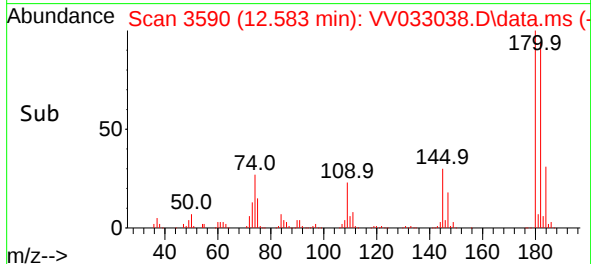
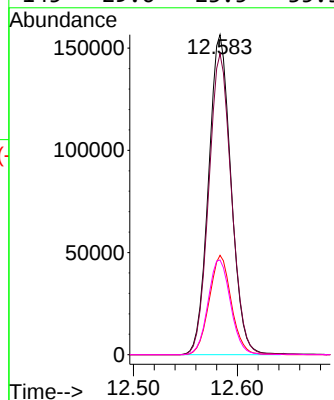


#69
1,3,5-Trichlorobenzene
Concen: 48.156 ug/L
RT: 12.583 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

Instrument :
MSVOA_V
ClientSampleId :

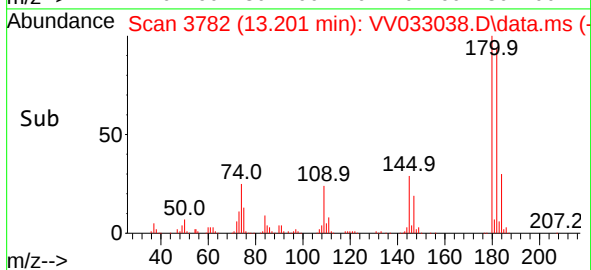
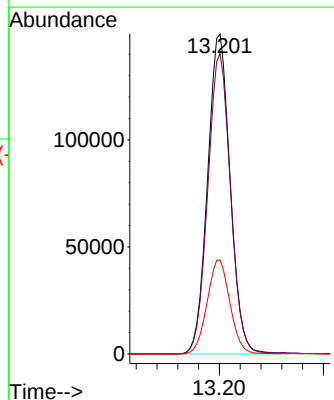
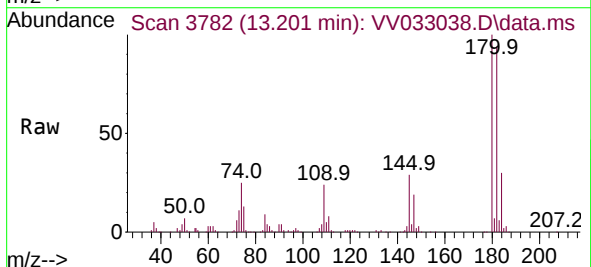


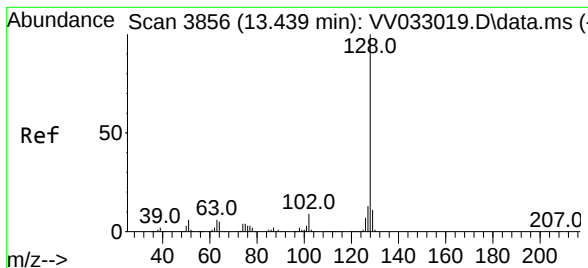
Tgt Ion:180 Resp: 235642
Ion Ratio Lower Upper
180 100
182 94.6 76.6 115.0
184 30.5 24.5 36.7
145 29.6 23.5 35.3



#70
1,2,4-trichlorobenzene
Concen: 50.198 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.003 min
Lab File: VV033038.D
Acq: 20 Nov 2023 21:41

Tgt Ion:180 Resp: 225107
Ion Ratio Lower Upper
180 100
182 94.2 76.8 115.2
145 29.8 23.2 34.8





#71

Naphthalene

Concen: 57.300 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

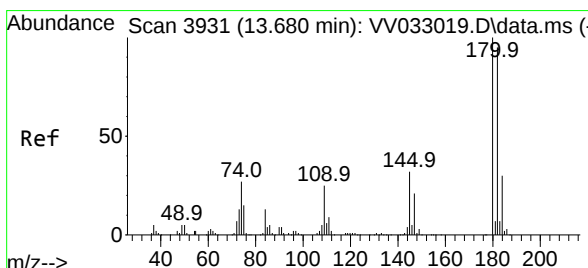
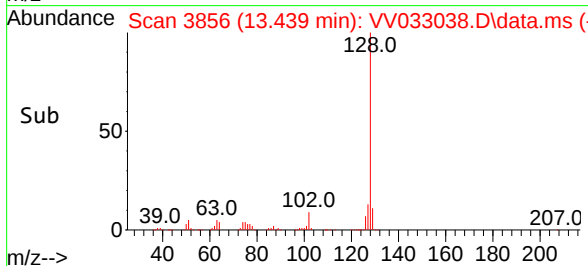
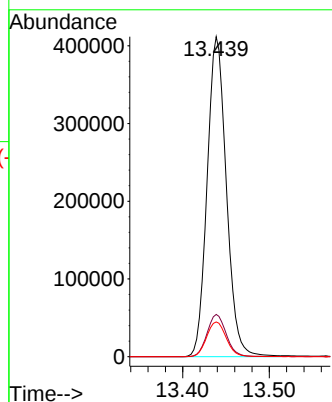
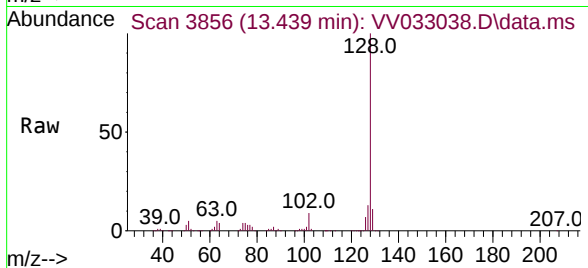
Tgt Ion:128 Resp: 635548

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 11.1 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 52.521 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033038.D

Acq: 20 Nov 2023 21:41

Tgt Ion:180 Resp: 228351

Ion Ratio Lower Upper

180 100

182 96.2 76.6 114.8

145 32.2 25.5 38.3

