

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033380.D
 Acq On : 15 Dec 2023 15:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 15 23:21:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 23:14:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	233343	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	237160	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	126960	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	82624	45.980	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.960%
7) Chloroethane-d5	1.529	69	76416	47.387	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.780%
11) 1,1-Dichloroethene-d2	2.060	65	41222	46.083	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.160%
21) 2-Butanone-d5	3.780	46	102931	113.655	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.650%
24) Chloroform-d	4.249	84	177894	50.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.100%
26) 1,2-Dichloroethane-d4	4.941	65	115359	52.830	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.660%
32) Benzene-d6	4.960	84	328658	51.453	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.900%
36) 1,2-Dichloropropane-d6	5.989	67	101415	52.314	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.620%
41) Toluene-d8	7.243	98	310906	53.195	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.380%
43) trans-1,3-Dichloroprop...	7.551	79	52344	55.094	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.180%
47) 2-Hexanone-d5	8.024	63	77843	119.383	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.380%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	146804	52.688	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.380%
66) 1,2-Dichlorobenzene-d4	11.561	152	124596	52.224	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.440%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	86254	44.992	ug/L	99
3) Chloromethane	1.214	50	79748	45.185	ug/L	96
5) Vinyl chloride	1.282	62	83426	44.093	ug/L	100
6) Bromomethane	1.484	94	60281	44.508	ug/L	99
8) Chloroethane	1.548	64	59173	46.326	ug/L	99
9) Trichlorofluoromethane	1.712	101	145397	43.823	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	87752	45.335	ug/L	99
12) 1,1-Dichloroethene	2.069	96	75296	45.791	ug/L	96
13) Acetone	2.108	43	107139	101.916	ug/L	100
14) Carbon disulfide	2.240	76	188885	44.951	ug/L	99
15) Methyl Acetate	2.368	43	83638	55.708	ug/L	95
16) Methylene chloride	2.446	84	88032	47.935	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	74719	48.074	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	260621	55.217	ug/L	100
19) 1,1-Dichloroethane	3.111	63	147560	49.536	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	87843	49.848	ug/L	96
22) 2-Butanone	3.863	43	109179	105.415	ug/L	98
23) Bromochloromethane	4.146	128	48976	50.704	ug/L	96
25) Chloroform	4.275	83	162653	48.520	ug/L	97

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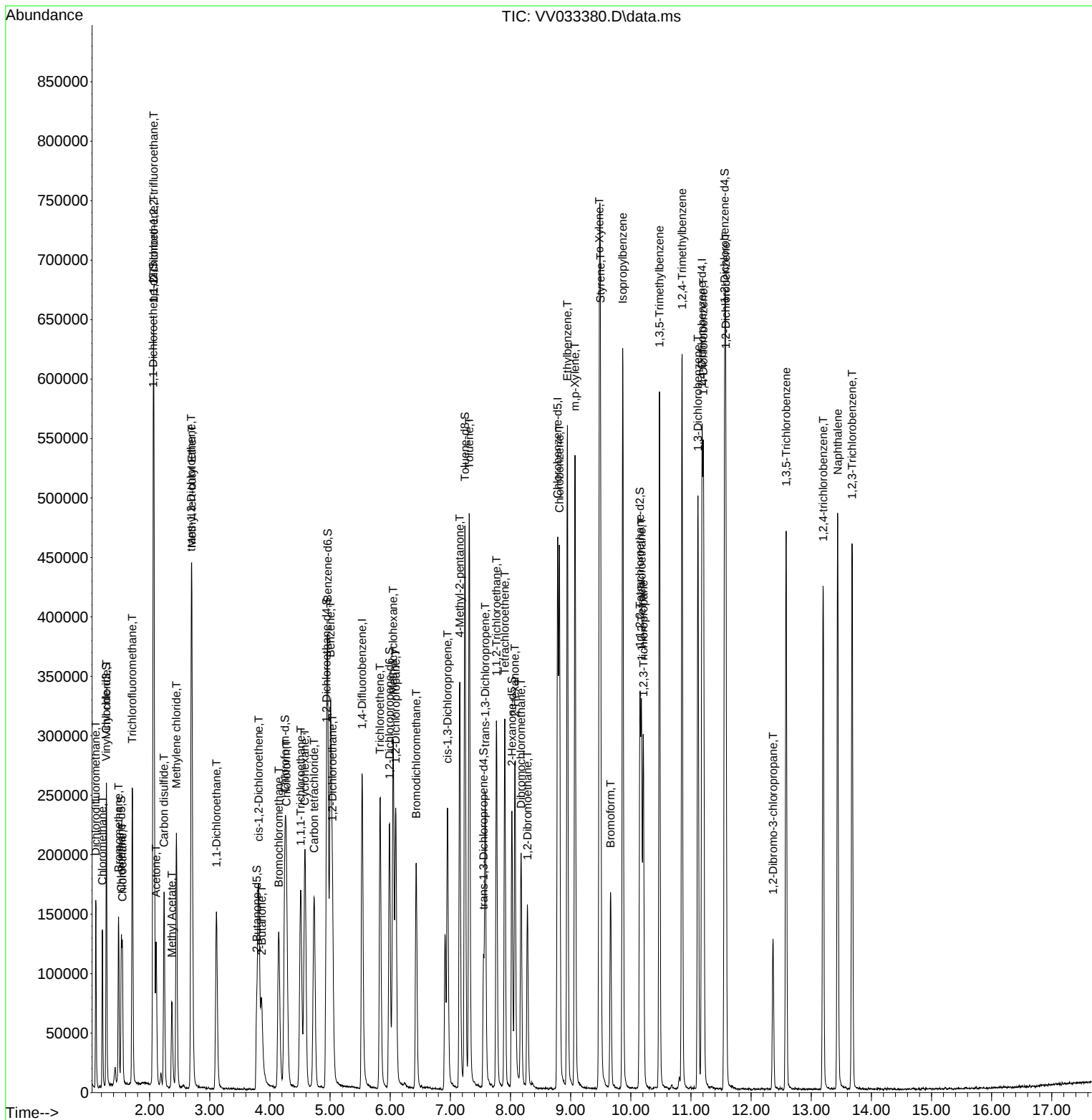
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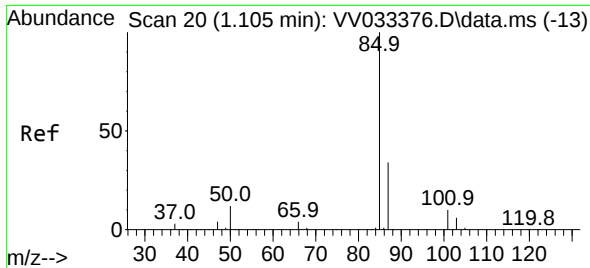
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	130577	50.532	ug/L	97
29) Cyclohexane	4.580	56	102791	48.089	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	137888	47.091	ug/L	99
31) Carbon tetrachloride	4.735	117	121949	46.537	ug/L	99
33) Benzene	5.008	78	319809	50.593	ug/L	100
34) Trichloroethene	5.831	95	84618	48.794	ug/L	97
35) Methylcyclohexane	6.050	83	116995	47.036	ug/L	99
37) 1,2-Dichloropropane	6.092	63	85563	49.912	ug/L	98
38) Bromodichloromethane	6.433	83	123742	50.152	ug/L	97
39) cis-1,3-Dichloropropene	6.953	75	128762	51.630	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	216536	118.364	ug/L	99
42) Toluene	7.314	91	344700	51.449	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	134361	53.689	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	92557	51.801	ug/L	98
46) Tetrachloroethene	7.905	164	64654	47.713	ug/L	98
48) 2-Hexanone	8.072	43	168736	110.586	ug/L	100
49) Dibromochloromethane	8.175	129	98542	52.156	ug/L	99
50) 1,2-Dibromoethane	8.281	107	98090	53.257	ug/L	98
51) Chlorobenzene	8.815	112	232370	48.126	ug/L	99
52) Ethylbenzene	8.947	91	374390	50.176	ug/L	99
53) m,p-Xylene	9.072	106	144544	51.561	ug/L	100
54) o-Xylene	9.477	106	144013	52.906	ug/L	100
55) Styrene	9.497	104	257531	53.608	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	143170	52.172	ug/L	99
59) Bromoform	9.664	173	68394	52.216	ug/L	100
60) Isopropylbenzene	9.866	105	381184	52.872	ug/L	100
61) 1,2,3-Trichloropropane	10.211	75	108371	53.256	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	293098	53.640	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	313568	55.255	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	189646	50.611	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	199177	49.389	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	193435	49.597	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	30048	54.511	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	131426	50.716	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	116590	51.469	ug/L	100
71) Naphthalene	13.442	128	363140	59.583	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	124703	56.282	ug/L	99

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

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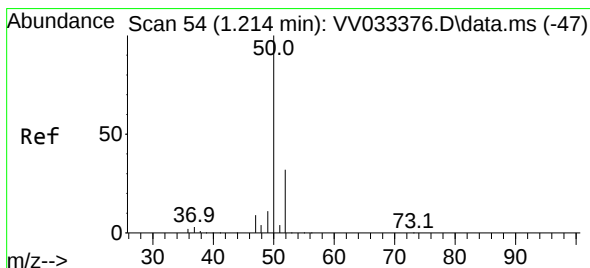
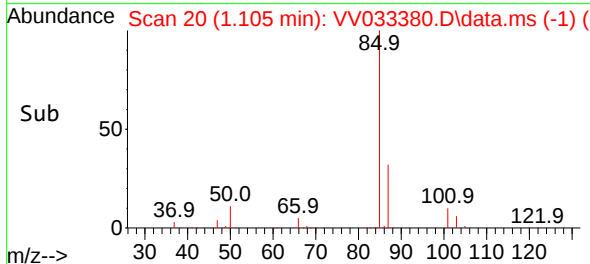
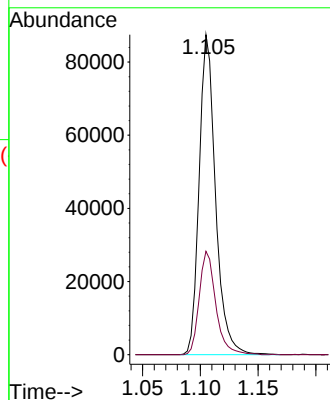
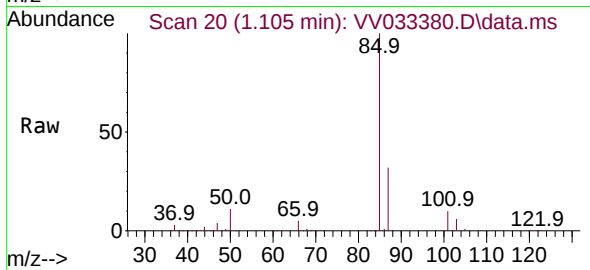




#2
 Dichlorodifluoromethane
 Concen: 44.992 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033380.D
 Acq: 15 Dec 2023 15:56

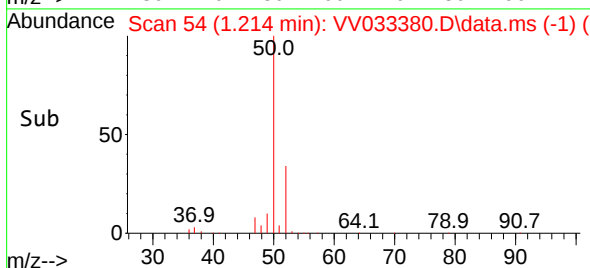
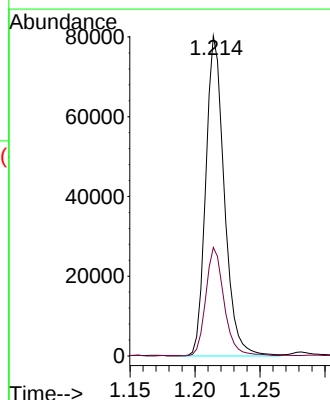
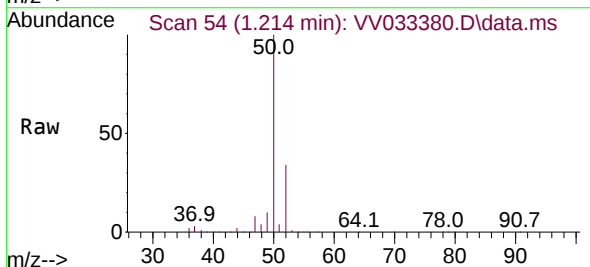
Instrument :
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 ClientSampleId :

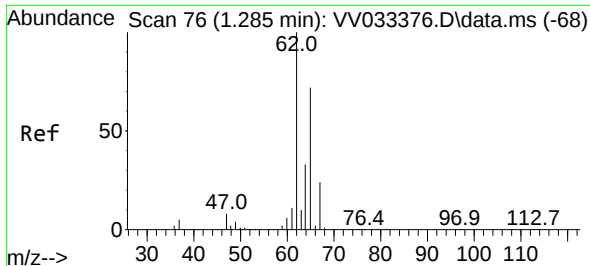
Tgt Ion: 85 Resp: 86254
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.6 39.8



#3
 Chloromethane
 Concen: 45.185 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033380.D
 Acq: 15 Dec 2023 15:56

Tgt Ion: 50 Resp: 79748
 Ion Ratio Lower Upper
 50 100
 52 33.9 22.3 41.5

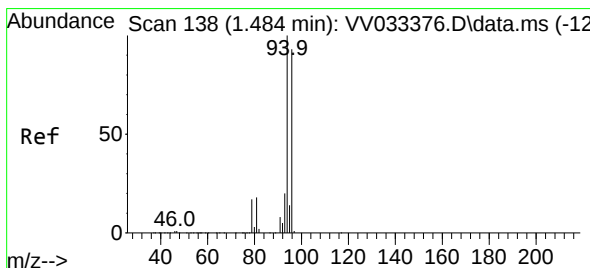
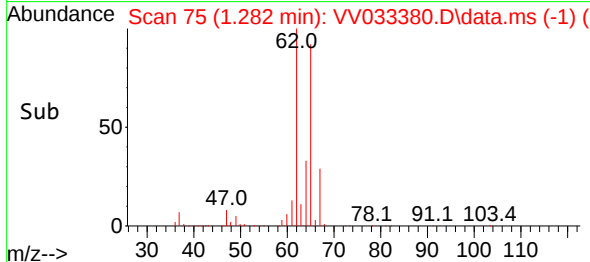
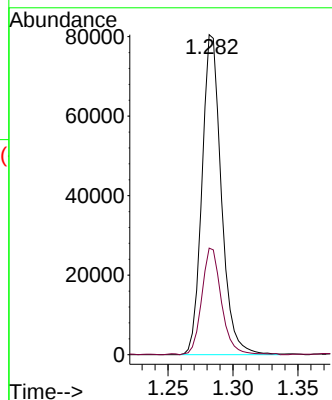
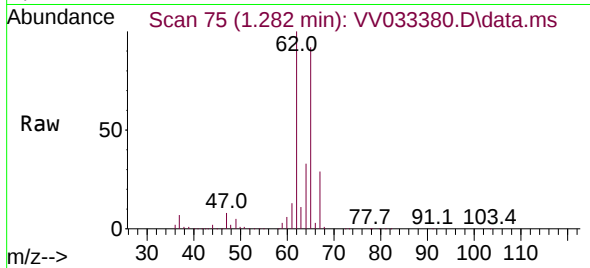




#5
 Vinyl chloride
 Concen: 44.093 ug/L
 RT: 1.282 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV033380.D
 Acq: 15 Dec 2023 15:56

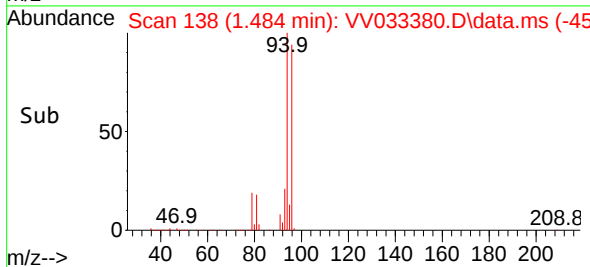
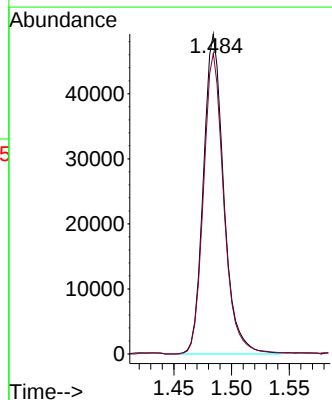
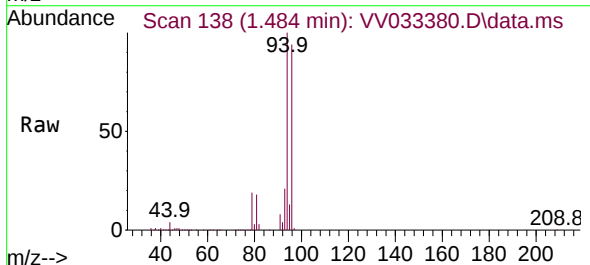
Instrument :
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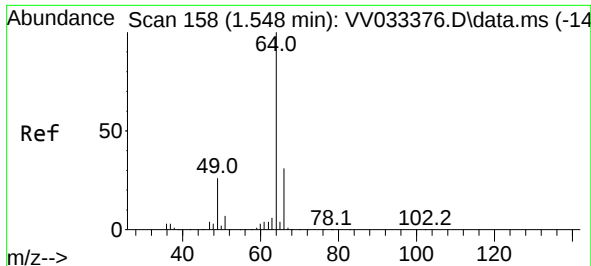
Tgt Ion: 62 Resp: 83426
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.4 43.6



#6
 Bromomethane
 Concen: 44.508 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV033380.D
 Acq: 15 Dec 2023 15:56

Tgt Ion: 94 Resp: 60281
 Ion Ratio Lower Upper
 94 100
 96 94.0 65.1 120.9

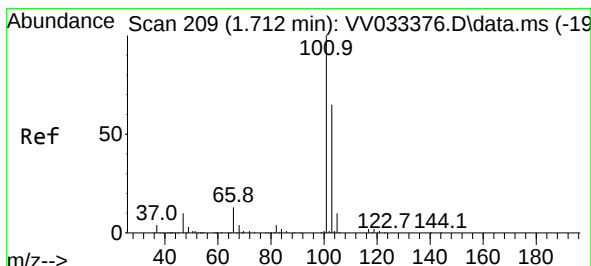
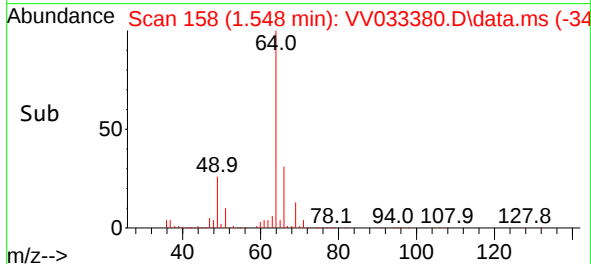
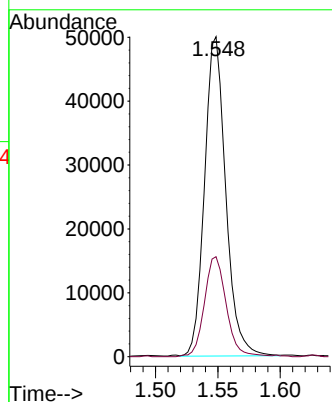
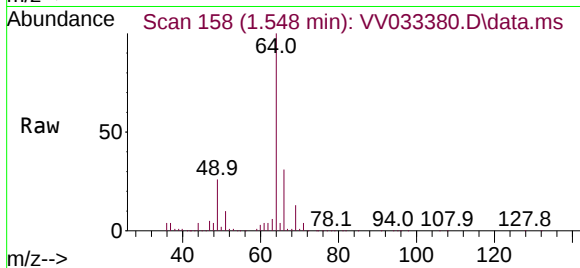




#8
Chloroethane
Concen: 46.326 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

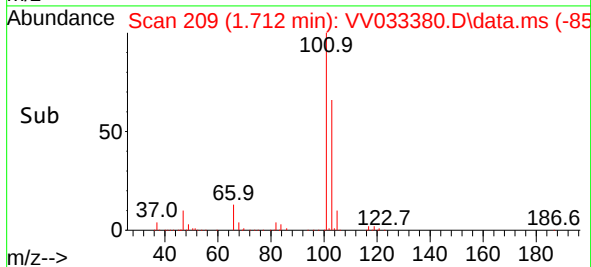
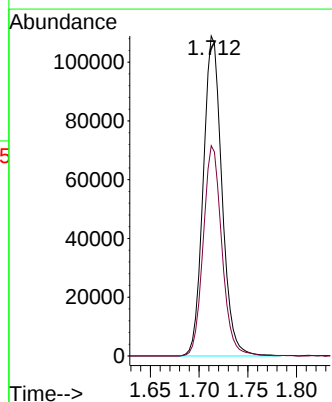
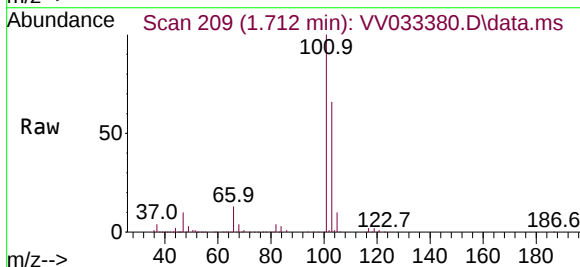
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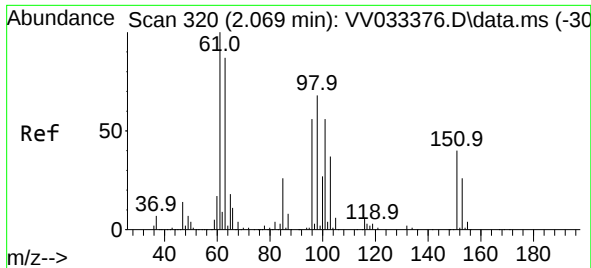
Tgt Ion: 64 Resp: 59173
Ion Ratio Lower Upper
64 100
66 31.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 43.823 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Tgt Ion:101 Resp: 145397
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.4

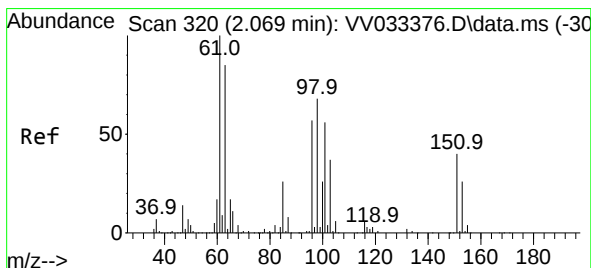
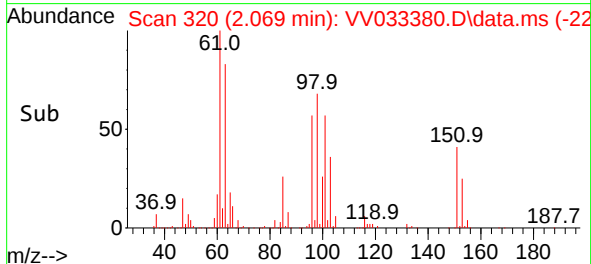
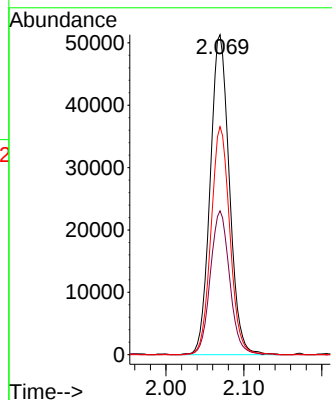
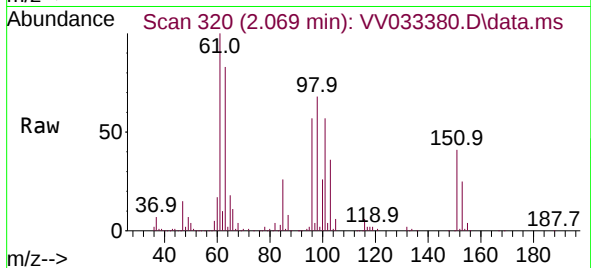




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.335 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033380.D
 Acq: 15 Dec 2023 15:56

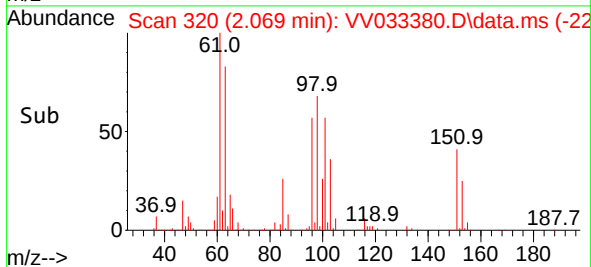
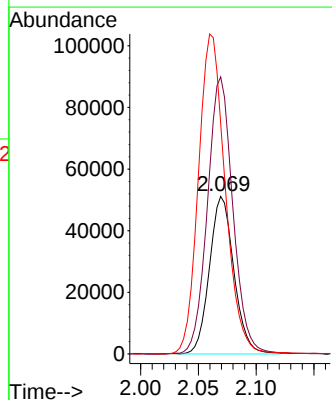
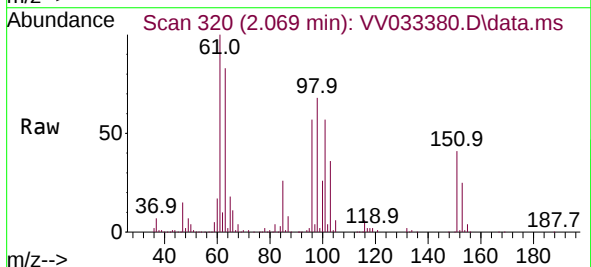
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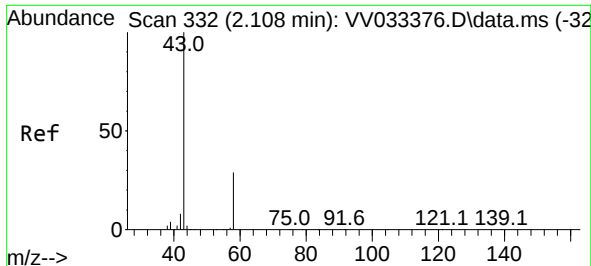
Tgt Ion:101 Resp: 87752
 Ion Ratio Lower Upper
 101 100
 85 45.1 36.6 54.8
 151 70.0 57.0 85.6



#12
 1,1-Dichloroethene
 Concen: 45.791 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV033380.D
 Acq: 15 Dec 2023 15:56

Tgt Ion: 96 Resp: 75296
 Ion Ratio Lower Upper
 96 100
 61 175.8 124.3 230.8
 63 146.3 108.1 200.7





#13

Acetone

Concen: 101.916 ug/L

RT: 2.108 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_V

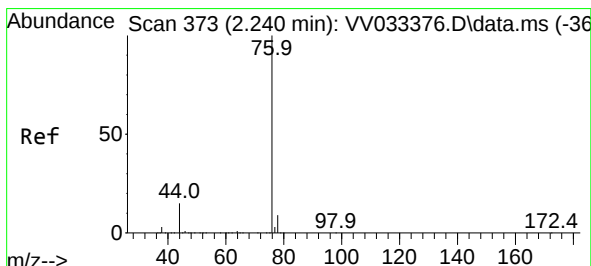
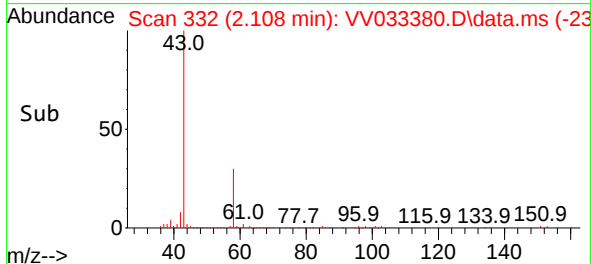
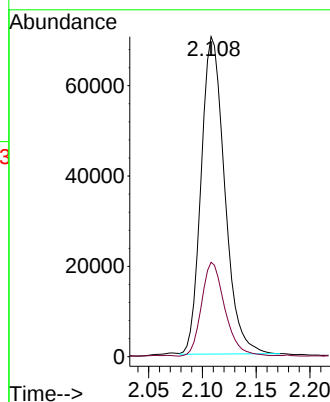
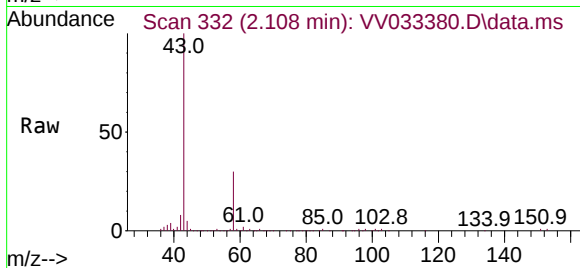
ClientSampleId :

Tgt Ion: 43 Resp: 107139

Ion Ratio Lower Upper

43 100

58 29.5 0.0 59.2



#14

Carbon disulfide

Concen: 44.951 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV033380.D

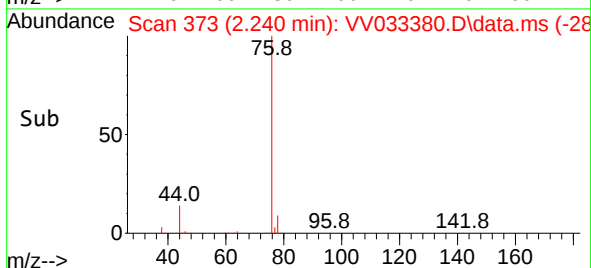
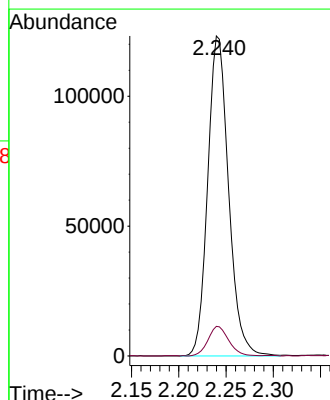
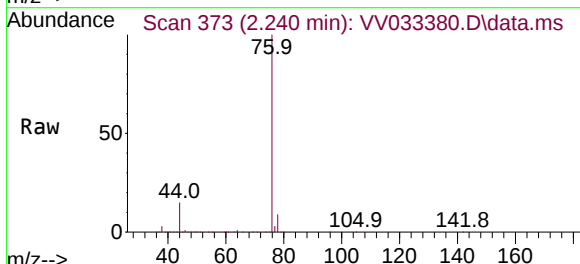
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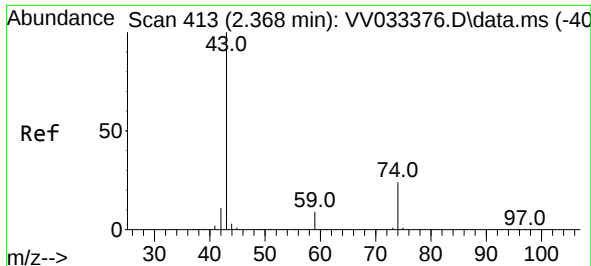
Tgt Ion: 76 Resp: 188885

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

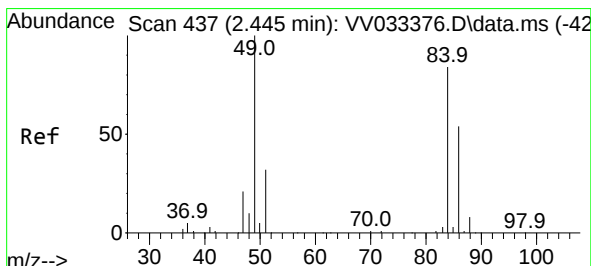
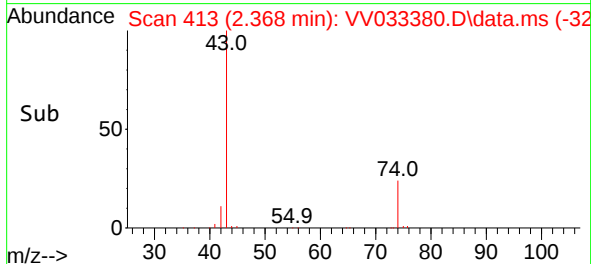
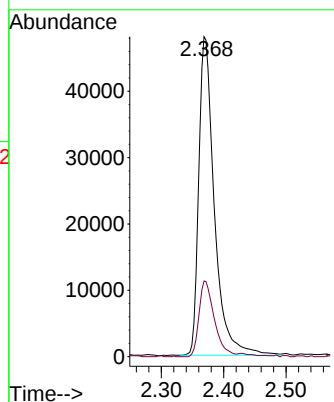
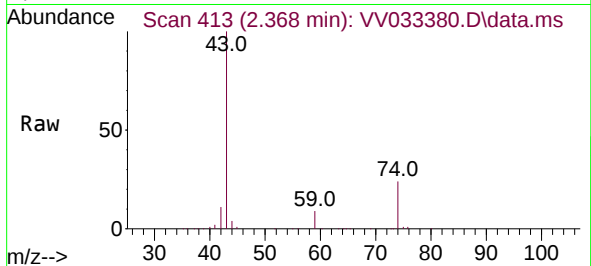




#15
Methyl Acetate
Concen: 55.708 ug/L
RT: 2.368 min Scan# 413
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

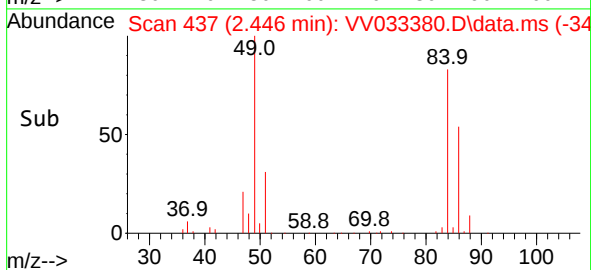
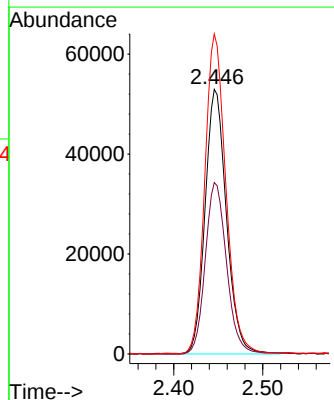
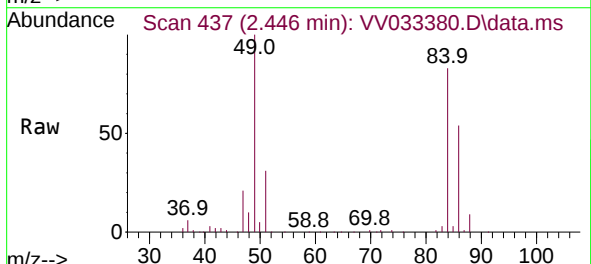
Instrument :
MSVOA_V
ClientSampleId :

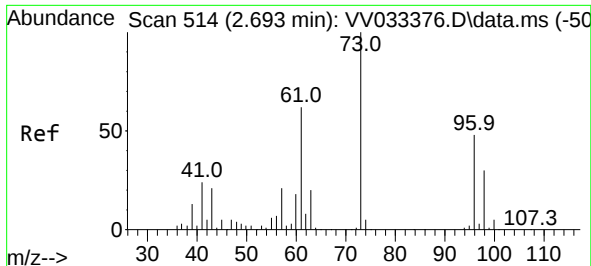
Tgt Ion: 43 Resp: 83638
Ion Ratio Lower Upper
43 100
74 23.3 20.8 31.2



#16
Methylene chloride
Concen: 47.935 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Tgt Ion: 84 Resp: 88032
Ion Ratio Lower Upper
84 100
86 64.7 45.4 84.2
49 120.9 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 48.074 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.000 min

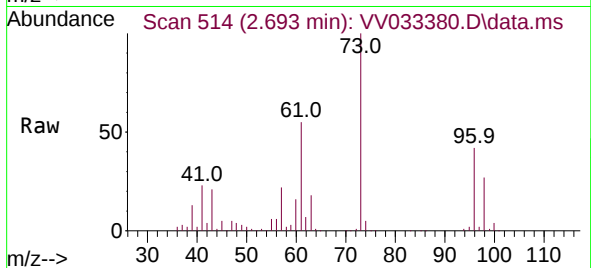
Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :



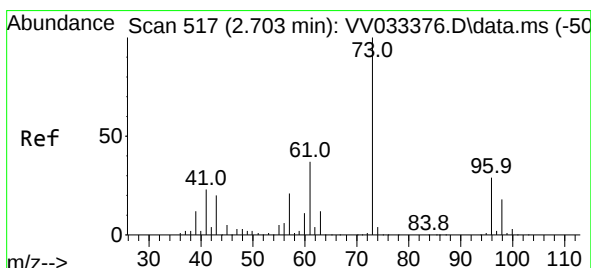
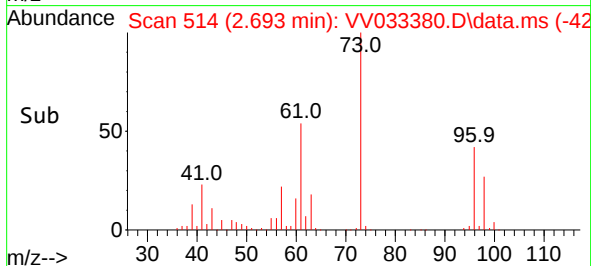
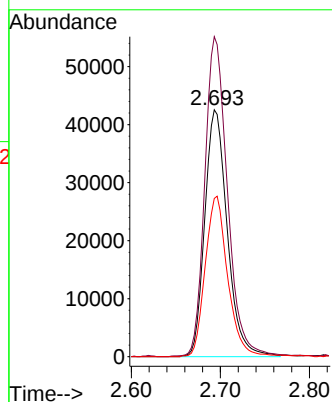
Tgt Ion: 96 Resp: 74719

Ion Ratio Lower Upper

96 100

61 129.6 89.6 166.4

98 64.1 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 55.217 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

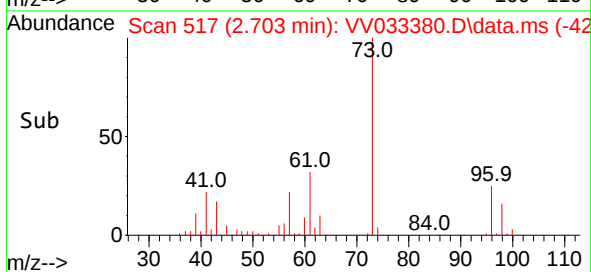
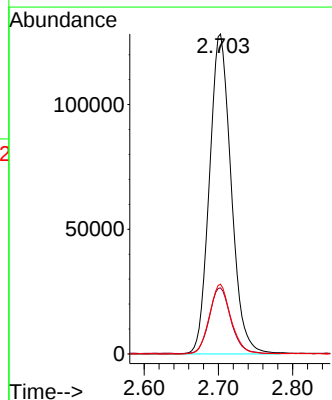
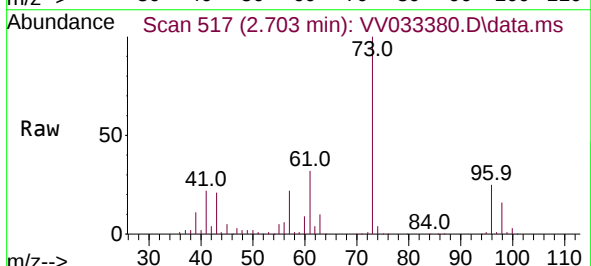
Tgt Ion: 73 Resp: 260621

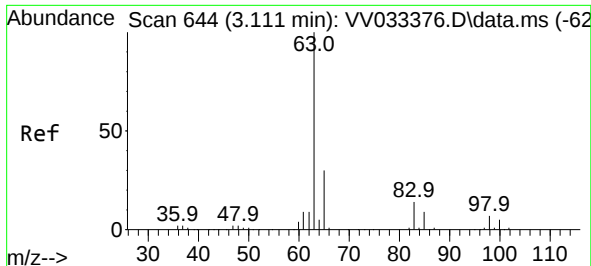
Ion Ratio Lower Upper

73 100

43 20.3 16.3 24.5

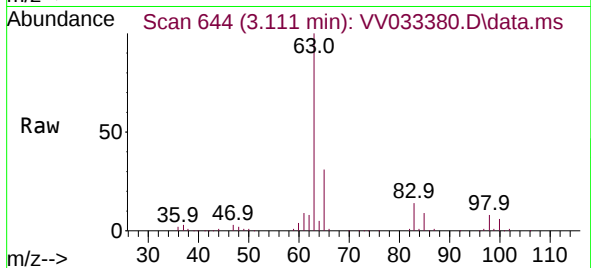
57 21.6 17.3 25.9



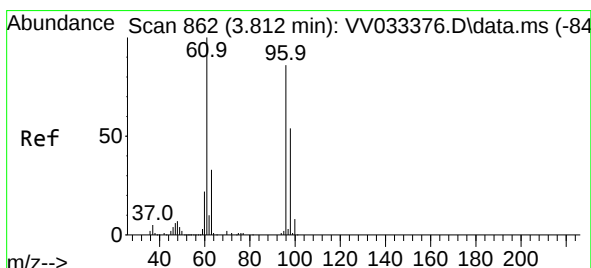
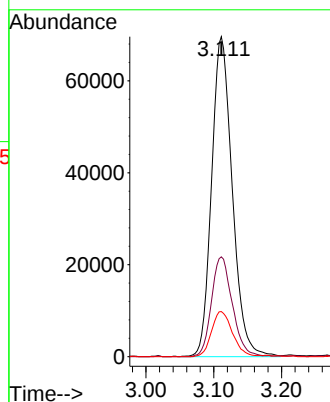
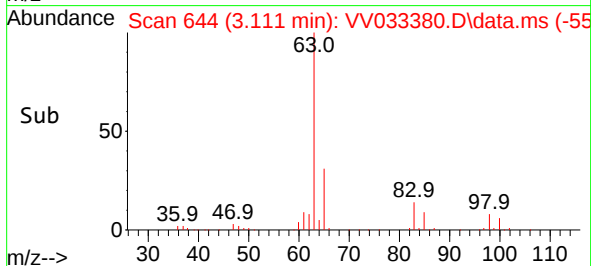


#19
1,1-Dichloroethane
Concen: 49.536 ug/L
RT: 3.111 min Scan# 64
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Instrument :
MSVOA_V
ClientSampleId :

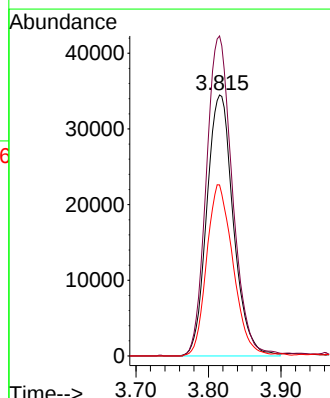
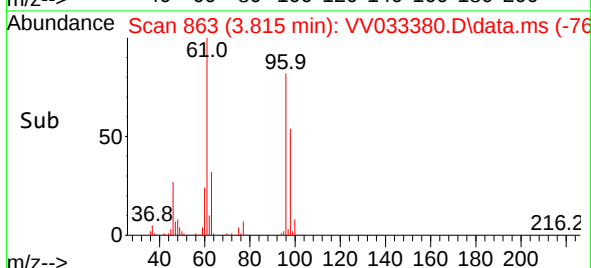
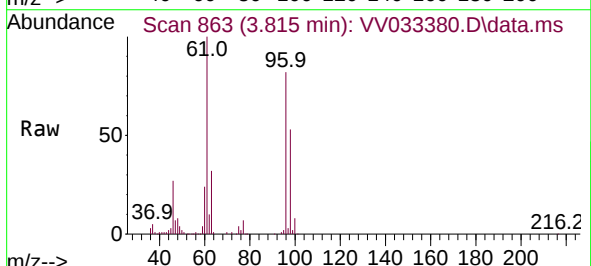


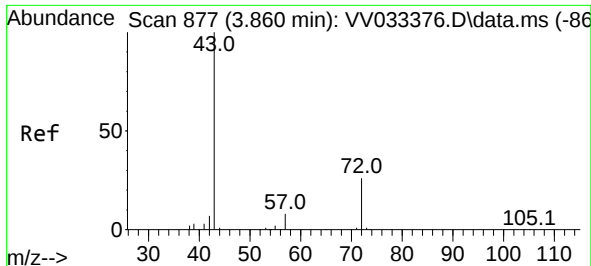
Tgt Ion: 63 Resp: 147560
Ion Ratio Lower Upper
63 100
65 31.2 21.1 39.3
83 14.1 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 49.848 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.003 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Tgt Ion: 96 Resp: 87843
Ion Ratio Lower Upper
96 100
61 122.6 81.9 152.1
98 65.6 44.3 82.3

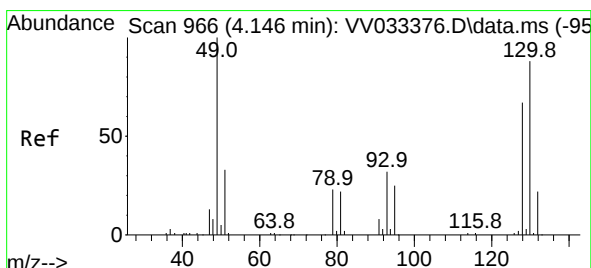
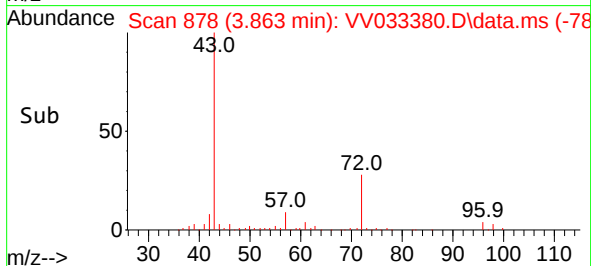
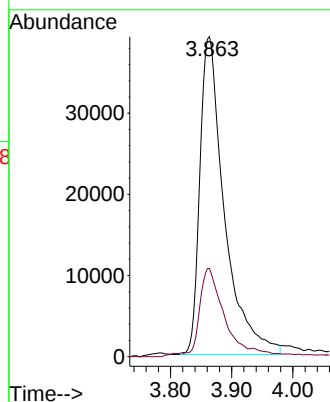
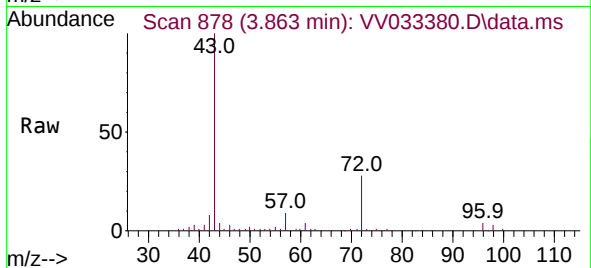




#22
2-Butanone
Concen: 105.415 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

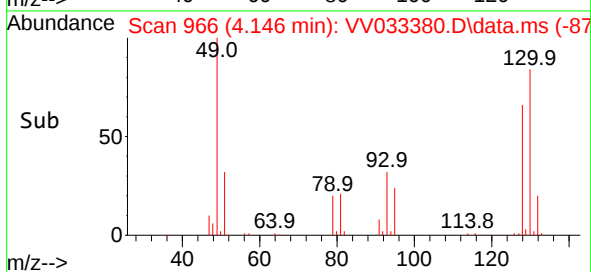
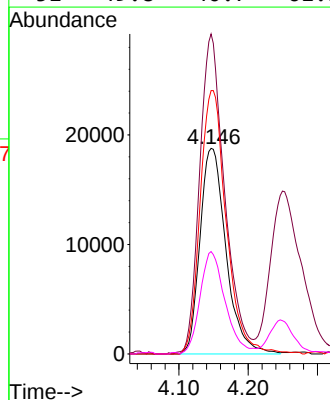
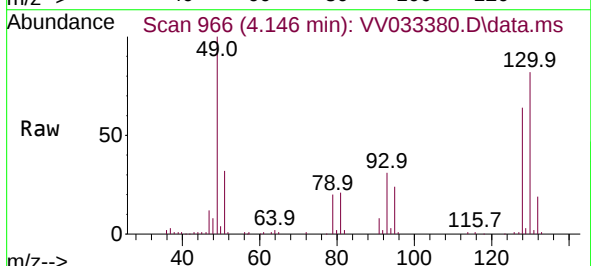
Instrument :
MSVOA_V
ClientSampleId :

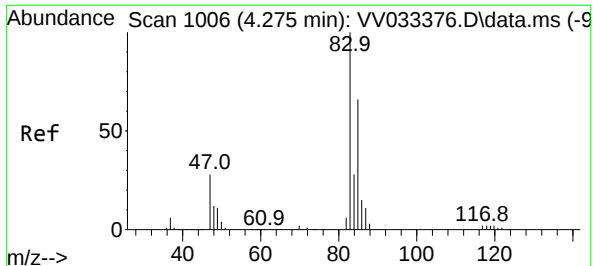
Tgt Ion: 43 Resp: 109179
Ion Ratio Lower Upper
43 100
72 24.1 12.4 37.4



#23
Bromochloromethane
Concen: 50.704 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Tgt Ion:128 Resp: 48976
Ion Ratio Lower Upper
128 100
49 155.6 106.0 196.9
130 128.1 93.6 173.8
51 49.8 40.7 61.1

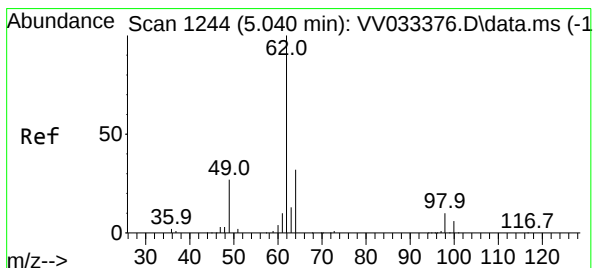
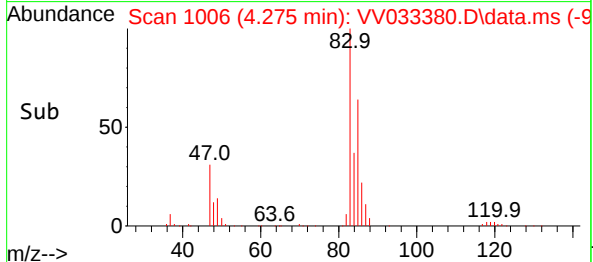
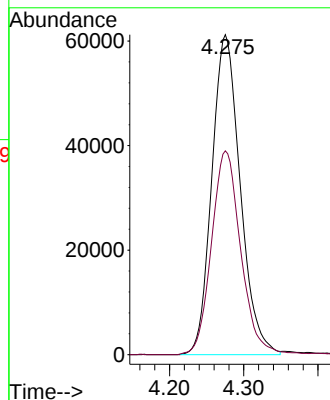
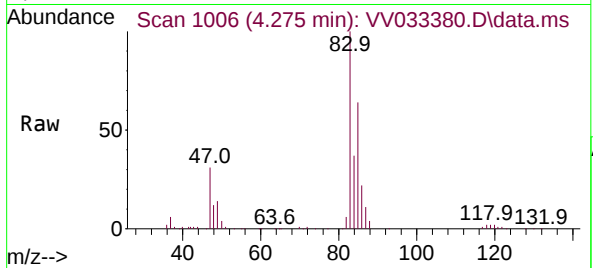




#25
Chloroform
Concen: 48.520 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

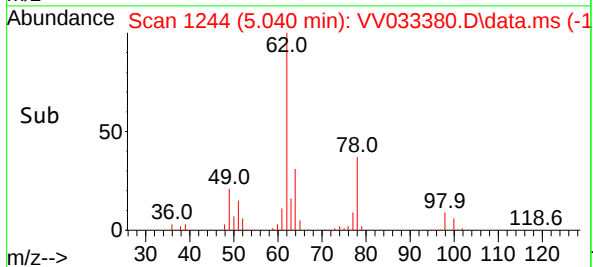
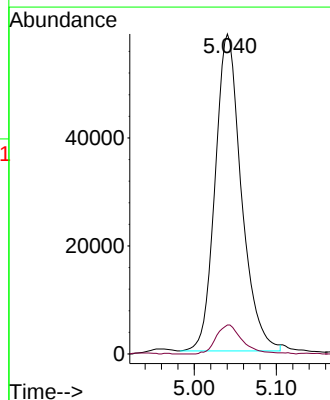
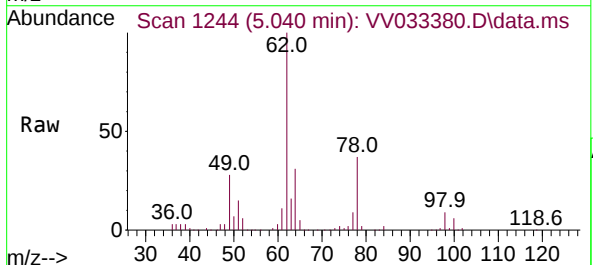
Instrument :
MSVOA_V
ClientSampleId :

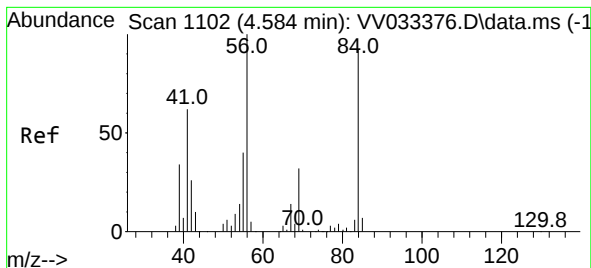
Tgt Ion: 83 Resp: 162653
Ion Ratio Lower Upper
83 100
85 63.7 46.1 85.7



#27
1,2-Dichloroethane
Concen: 50.532 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Tgt Ion: 62 Resp: 130577
Ion Ratio Lower Upper
62 100
98 9.1 8.0 12.0





#29

Cyclohexane

Concen: 48.089 ug/L

RT: 4.580 min Scan# 1102

Delta R.T. -0.003 min

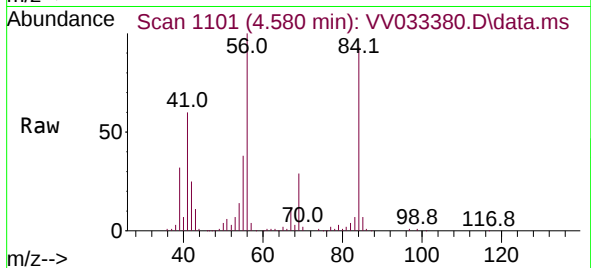
Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :



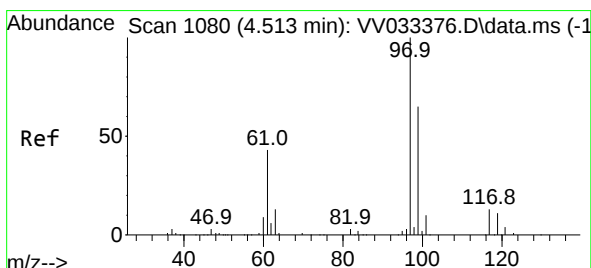
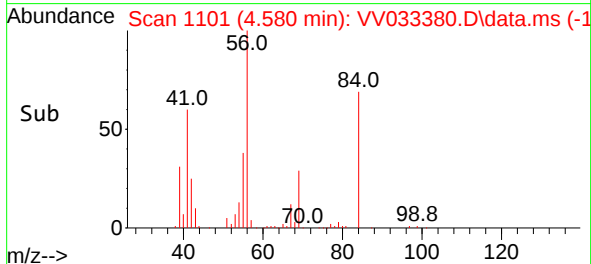
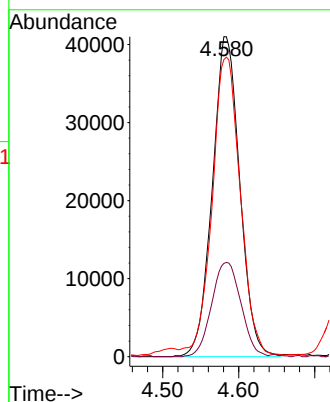
Tgt Ion: 56 Resp: 102791

Ion Ratio Lower Upper

56 100

69 31.4 25.8 38.6

84 95.1 75.2 112.8



#30

1,1,1-Trichloroethane

Concen: 47.091 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

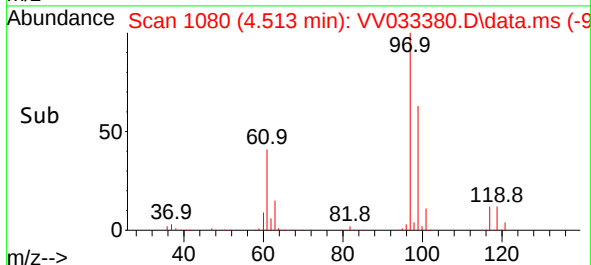
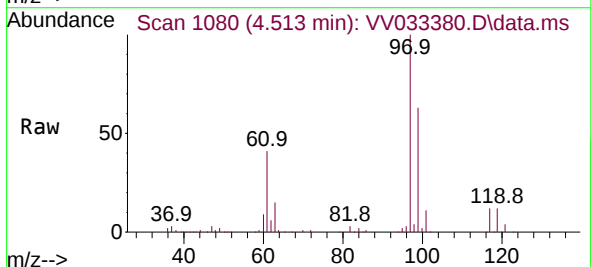
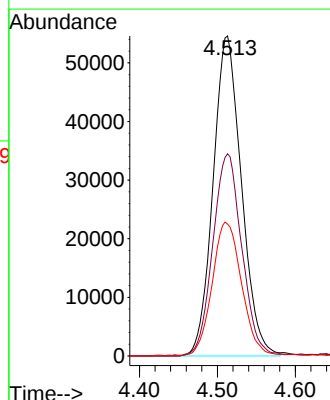
Tgt Ion: 97 Resp: 137888

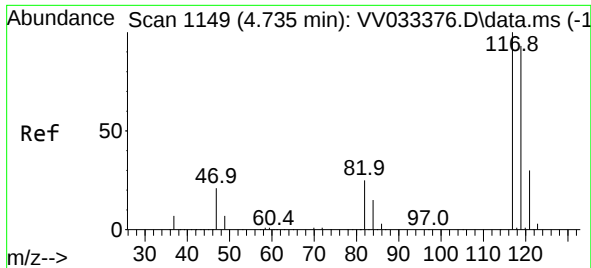
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

61 42.4 34.8 52.2

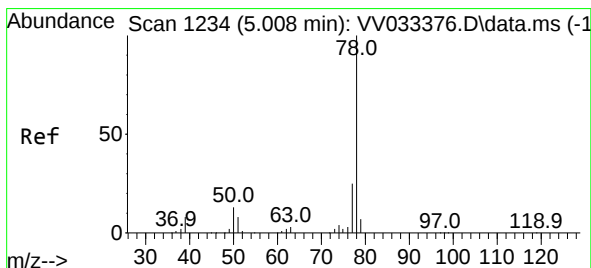
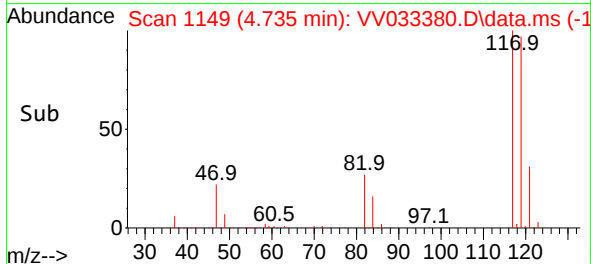
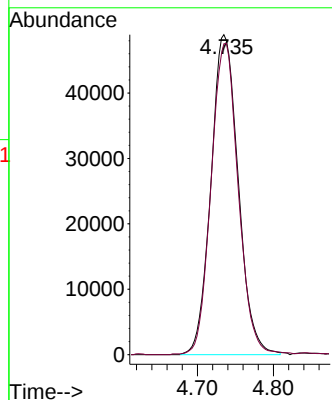
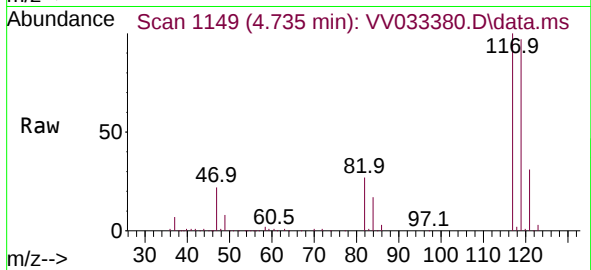




#31
Carbon tetrachloride
Concen: 46.537 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

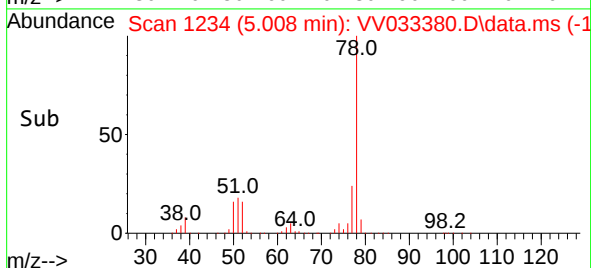
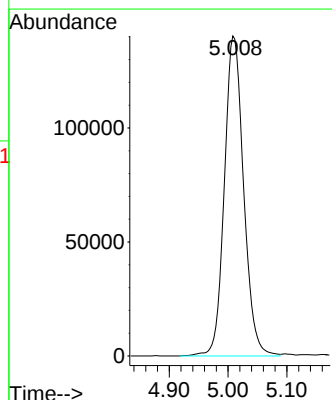
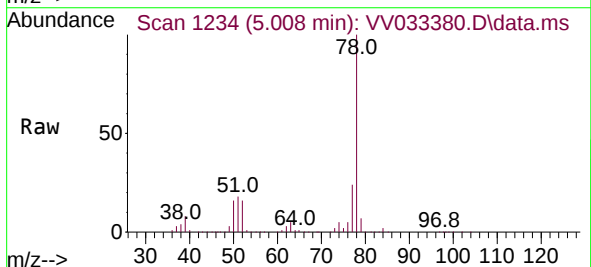
Instrument :
MSVOA_V
ClientSampleId :

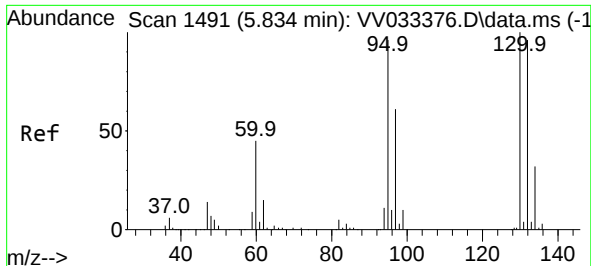
Tgt Ion:117 Resp: 121949
Ion Ratio Lower Upper
117 100
119 96.1 77.8 116.6



#33
Benzene
Concen: 50.593 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Tgt Ion: 78 Resp: 319809

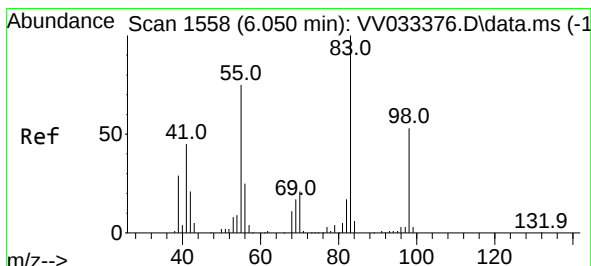
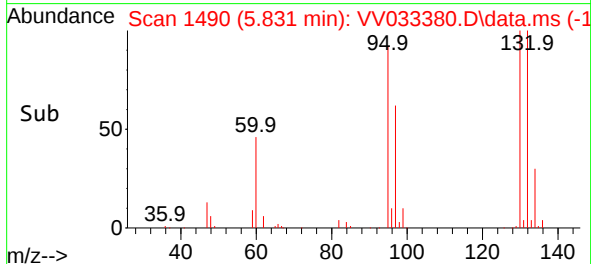
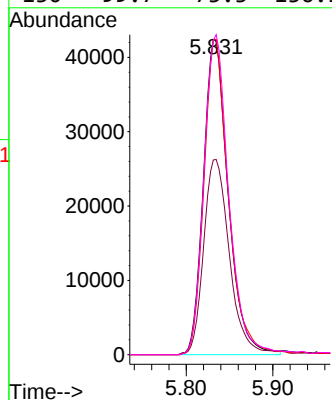
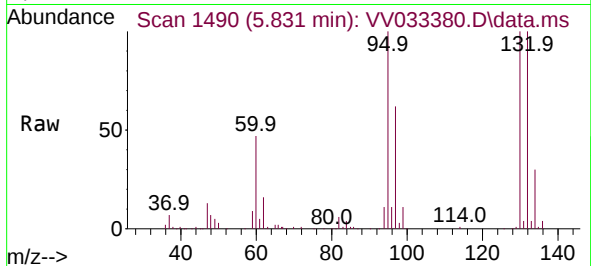




#34
Trichloroethene
Concen: 48.794 ug/L
RT: 5.831 min Scan# 1491
Delta R.T. -0.003 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

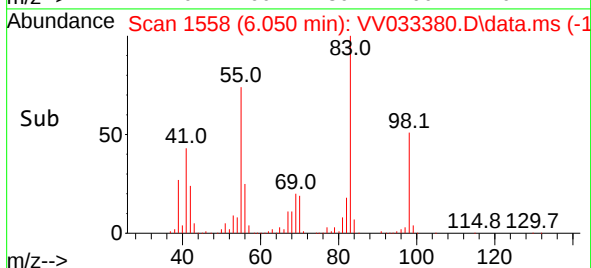
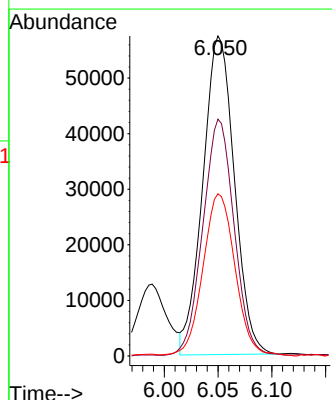
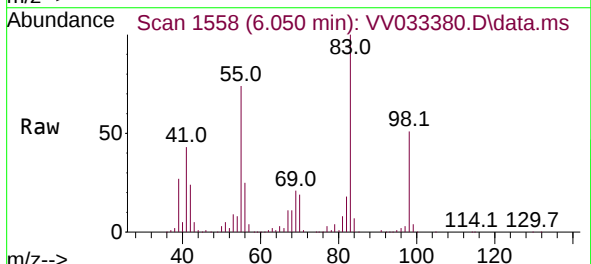
Instrument :
MSVOA_V
ClientSampleId :

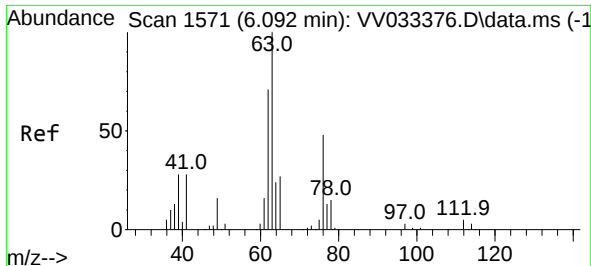
Tgt Ion: 95 Resp: 84618
Ion Ratio Lower Upper
95 100
97 61.8 44.8 83.2
132 99.7 69.9 129.7
130 99.7 73.3 136.1



#35
Methylcyclohexane
Concen: 47.036 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Tgt Ion: 83 Resp: 116995
Ion Ratio Lower Upper
83 100
55 73.5 58.6 88.0
98 52.0 40.9 61.3





#37

1,2-Dichloropropane

Concen: 49.912 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_V

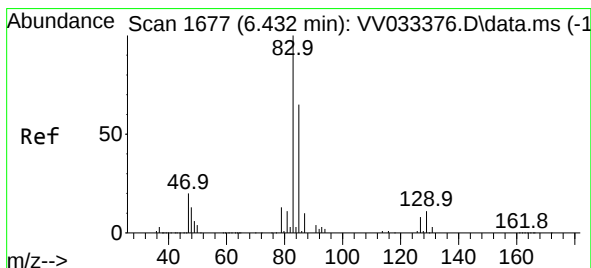
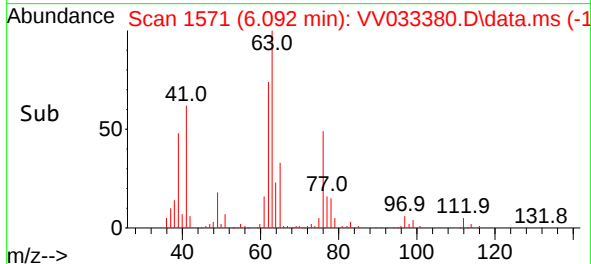
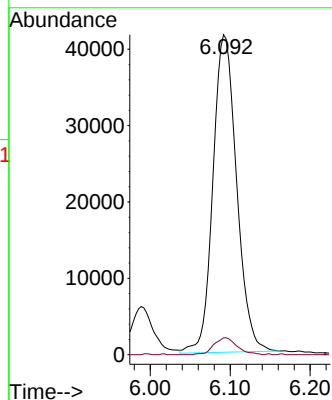
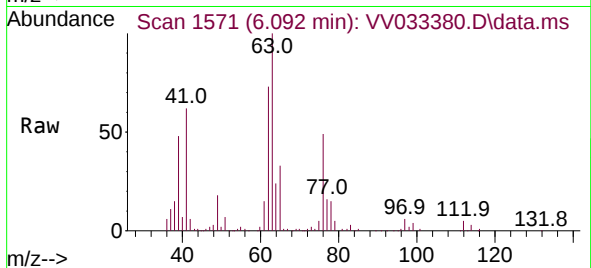
ClientSampleId :

Tgt Ion: 63 Resp: 85563

Ion Ratio Lower Upper

63 100

112 5.2 3.7 5.5



#38

Bromodichloromethane

Concen: 50.152 ug/L

RT: 6.433 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

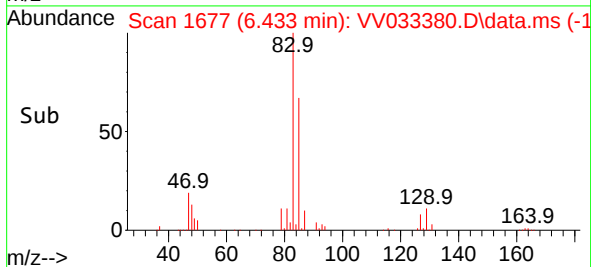
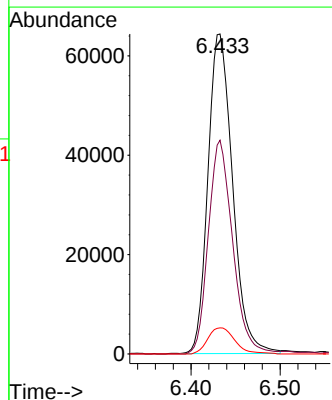
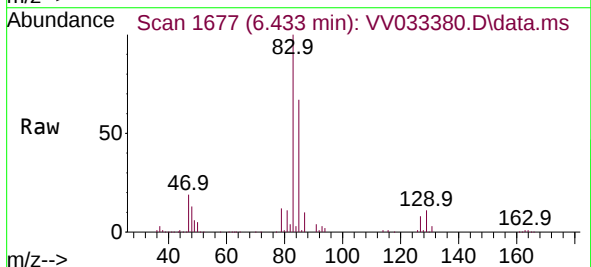
Tgt Ion: 83 Resp: 123742

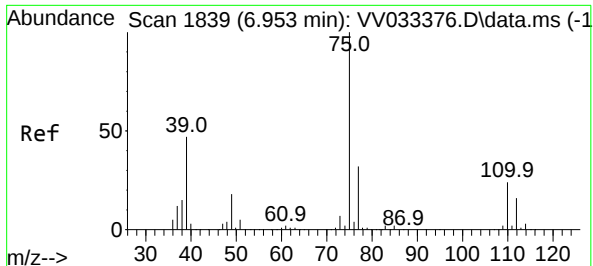
Ion Ratio Lower Upper

83 100

85 66.8 45.2 84.0

127 8.2 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 51.630 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_V

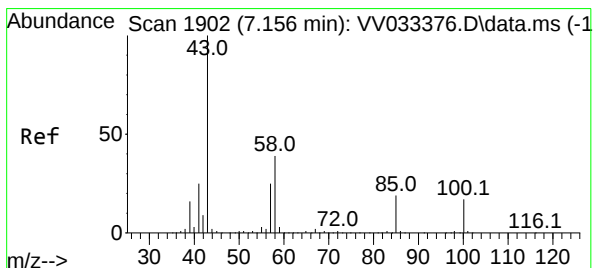
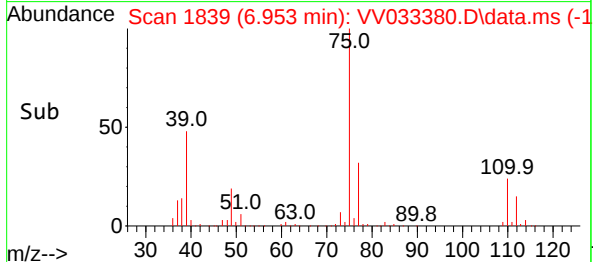
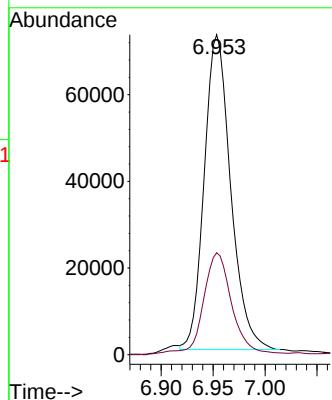
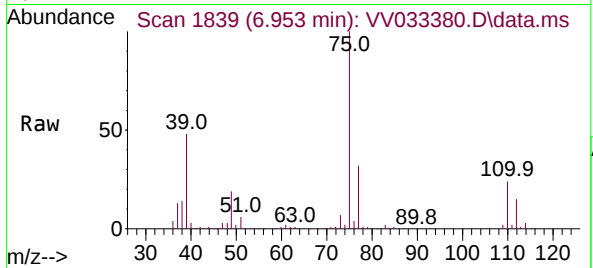
ClientSampleId :

Tgt Ion: 75 Resp: 128762

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 118.364 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

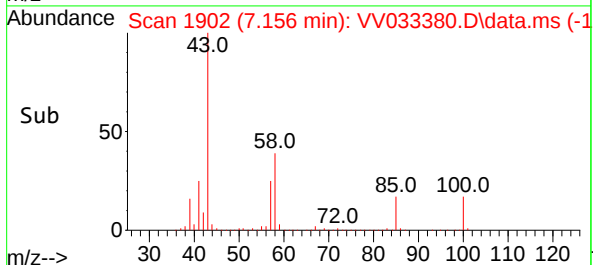
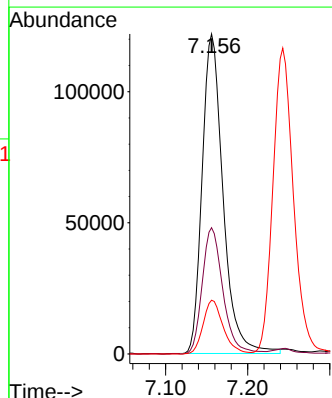
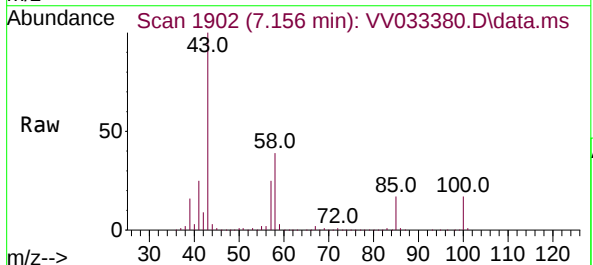
Tgt Ion: 43 Resp: 216536

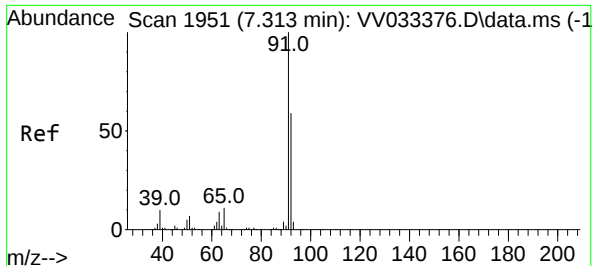
Ion Ratio Lower Upper

43 100

58 39.2 30.7 46.1

100 16.2 13.6 20.4





#42

Toluene

Concen: 51.449 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_V

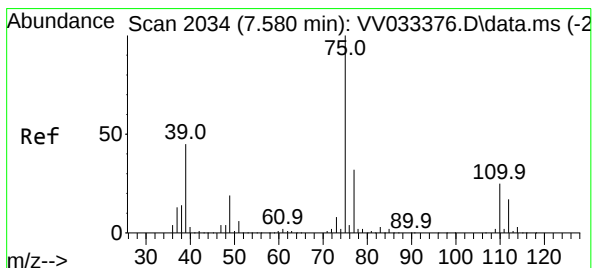
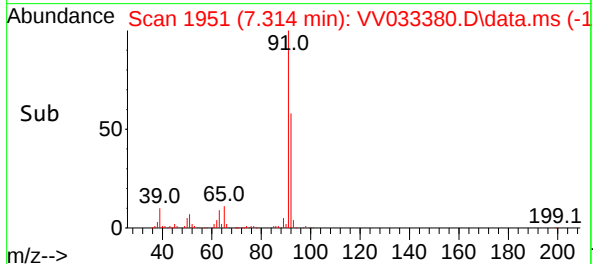
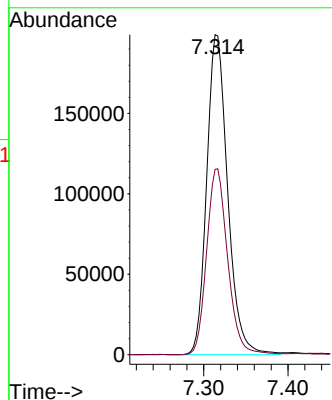
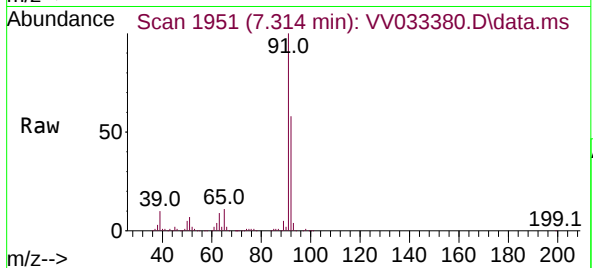
ClientSampleId :

Tgt Ion: 91 Resp: 344700

Ion Ratio Lower Upper

91 100

92 57.9 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 53.689 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033380.D

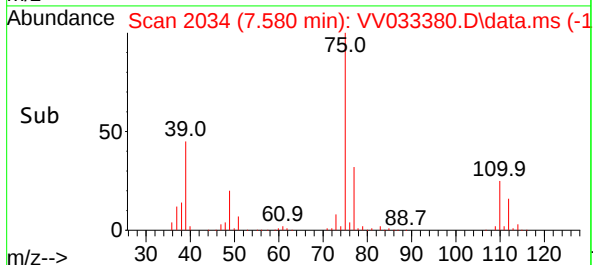
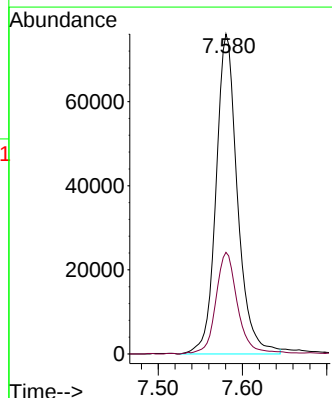
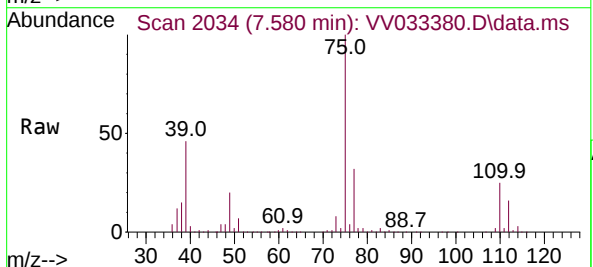
Acq: 15 Dec 2023 15:56

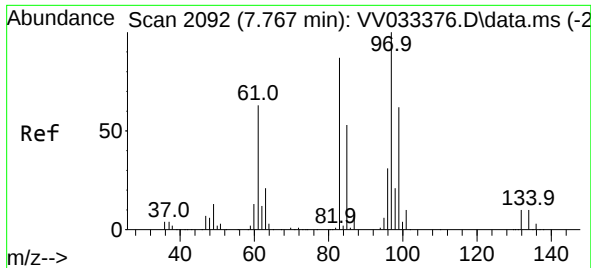
Tgt Ion: 75 Resp: 134361

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6

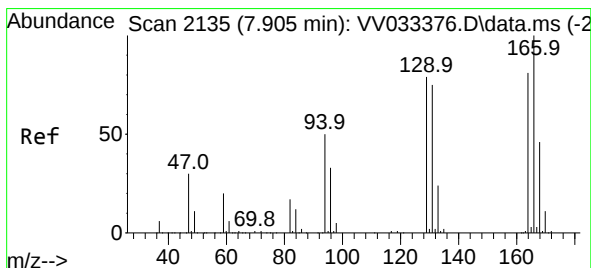
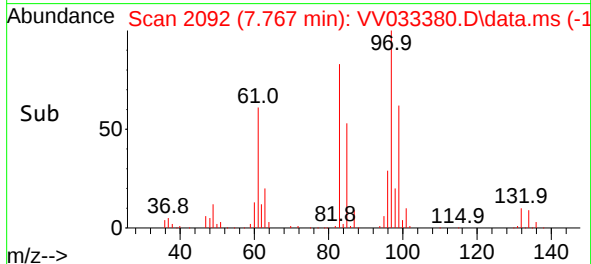
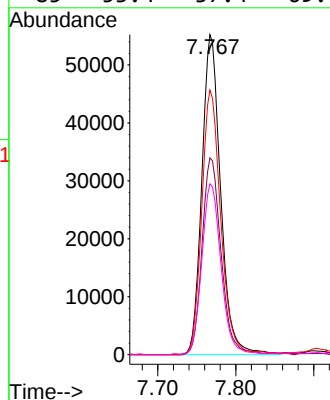
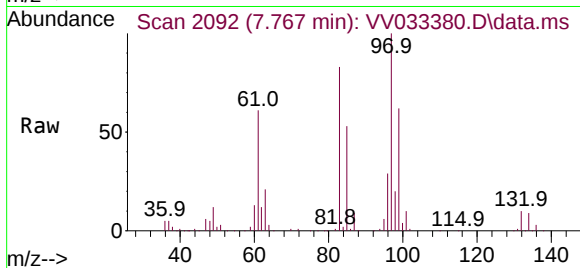




#45
1,1,2-Trichloroethane
Concen: 51.801 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

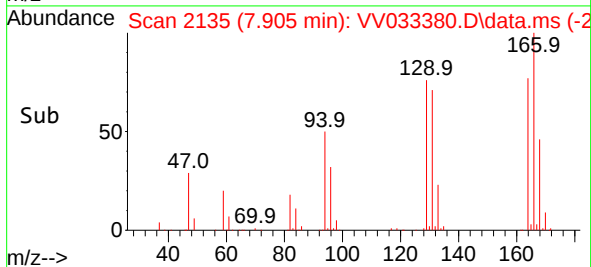
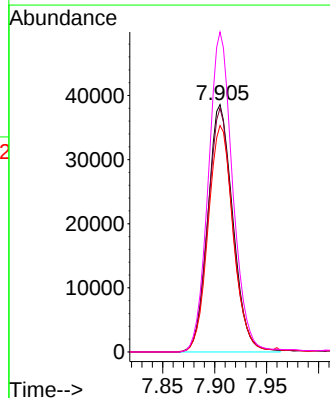
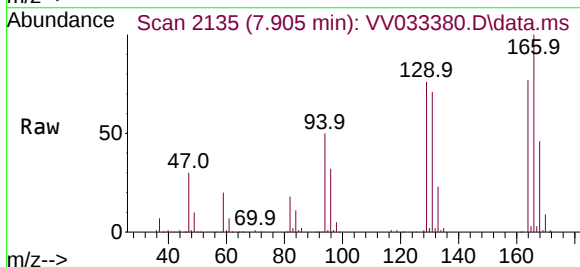
Instrument :
MSVOA_V
ClientSampleId :

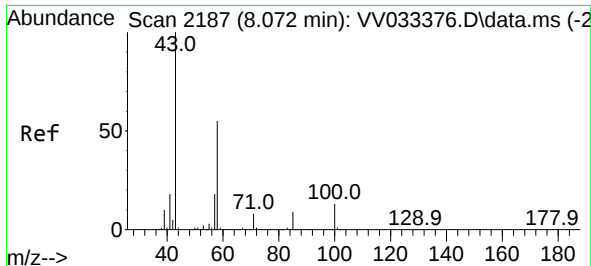
Tgt Ion:	97	Resp:	92557
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.5	80.7
83	82.7	61.0	113.4
85	53.4	37.4	69.4



#46
Tetrachloroethene
Concen: 47.713 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

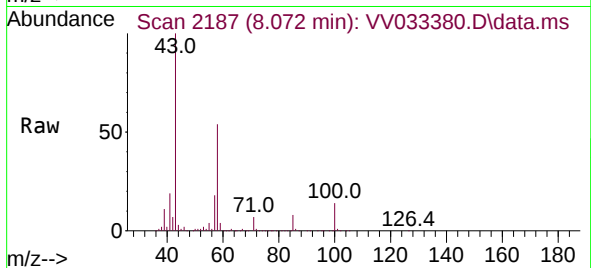
Tgt Ion:	164	Resp:	64654
Ion	Ratio	Lower	Upper
164	100		
129	98.6	68.9	127.9
131	91.5	65.3	121.3
166	129.4	86.9	161.3



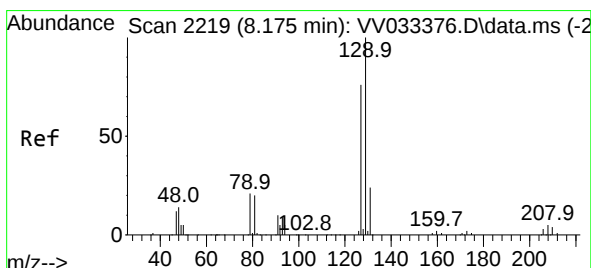
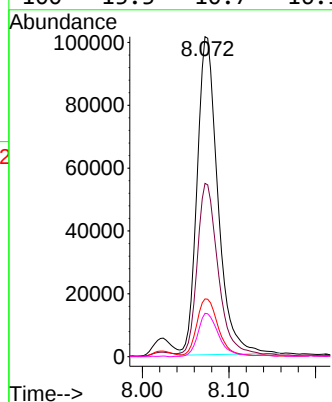
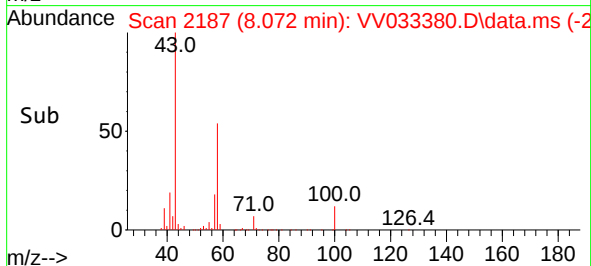


#48
2-Hexanone
Concen: 110.586 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Instrument :
MSVOA_V
ClientSampleId :

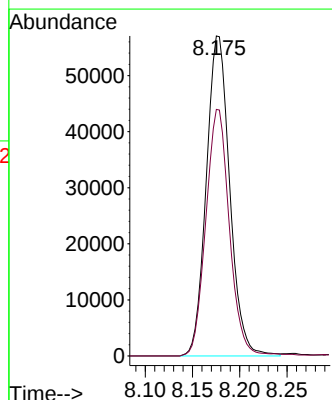
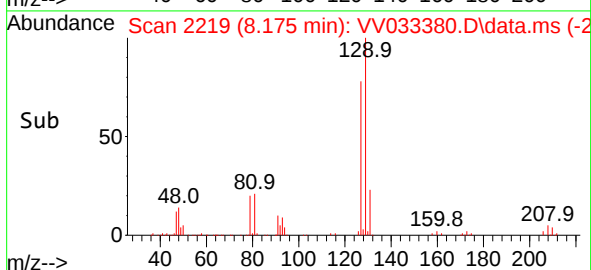
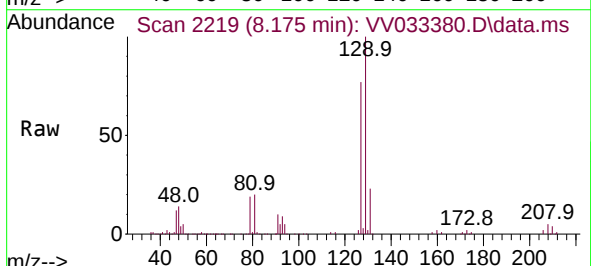


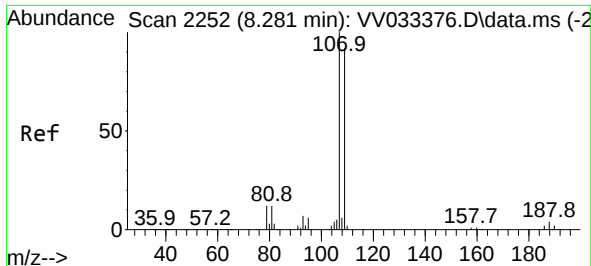
Tgt Ion: 43 Resp: 168736
Ion Ratio Lower Upper
43 100
58 53.6 43.0 64.6
57 19.1 14.7 22.1
100 13.3 10.7 16.1



#49
Dibromochloromethane
Concen: 52.156 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Tgt Ion: 129 Resp: 98542
Ion Ratio Lower Upper
129 100
127 77.1 53.3 98.9





#50

1,2-Dibromoethane

Concen: 53.257 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033380.D

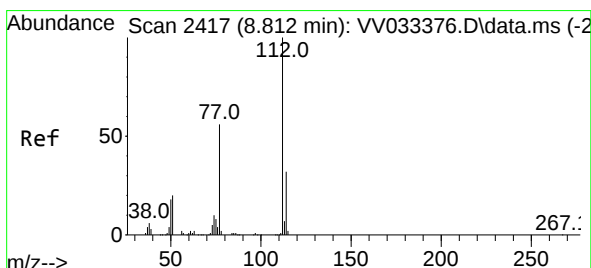
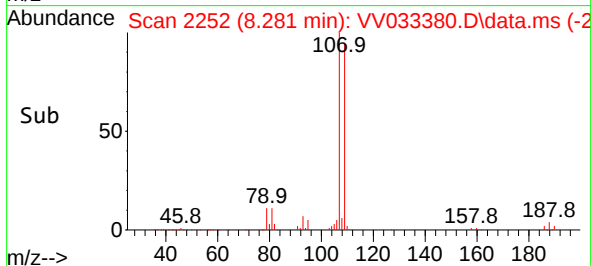
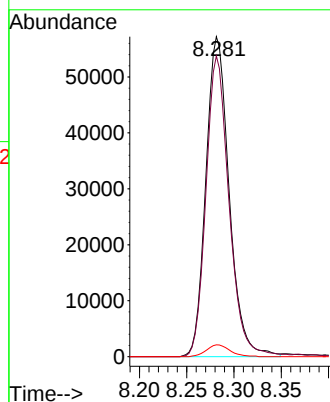
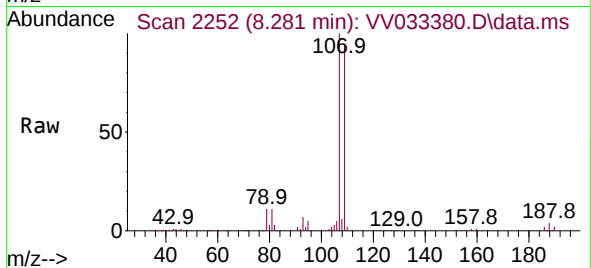
Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	98090
Ion	Ratio	Lower	Upper
107	100		
109	94.0	64.2	119.2
188	3.7	2.9	4.3



#51

Chlorobenzene

Concen: 48.126 ug/L

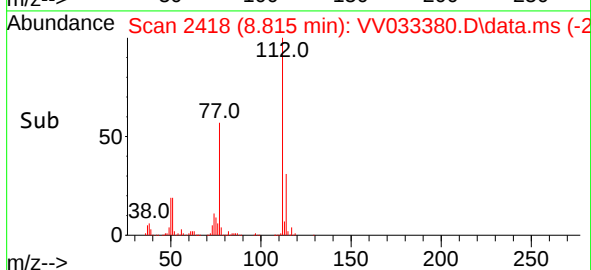
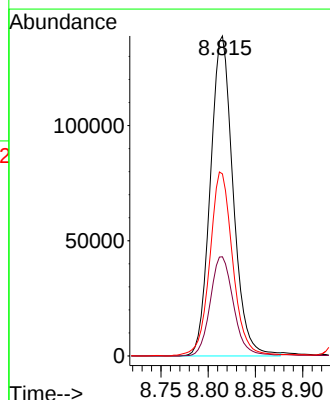
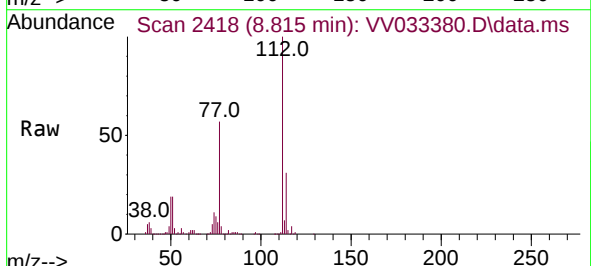
RT: 8.815 min Scan# 2418

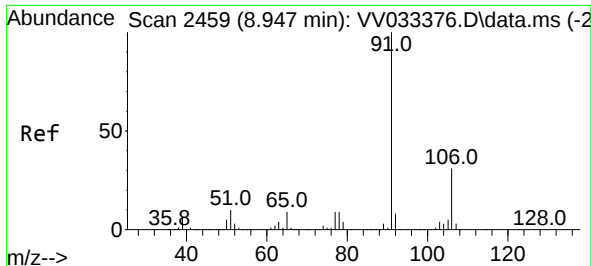
Delta R.T. 0.003 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

Tgt Ion:	112	Resp:	232370
Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.5	41.7
77	56.9	45.2	67.8

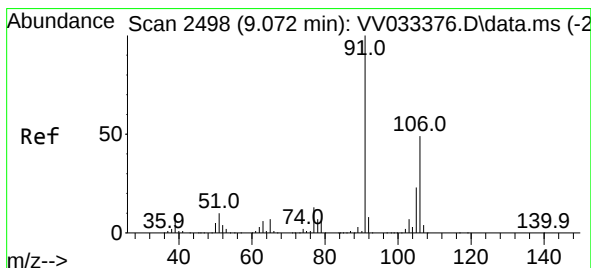
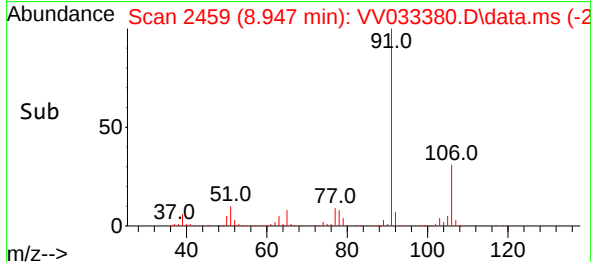
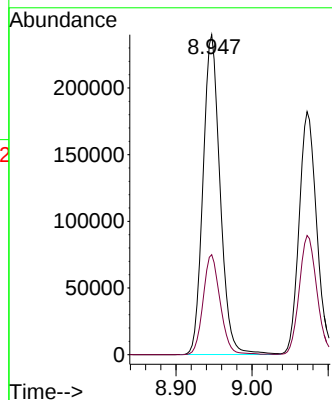
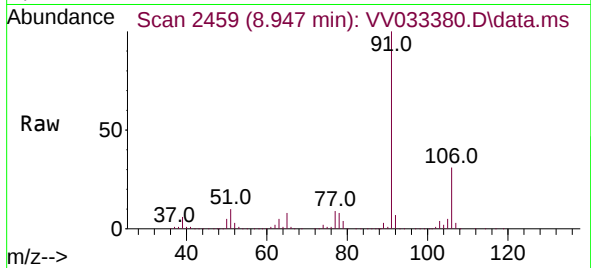




#52
Ethylbenzene
Concen: 50.176 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

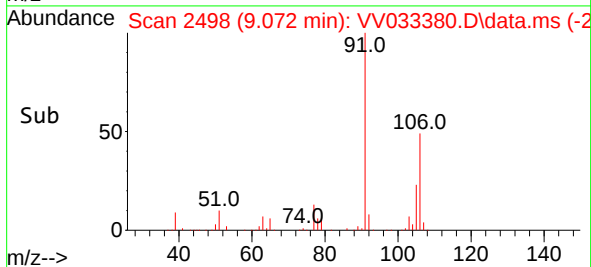
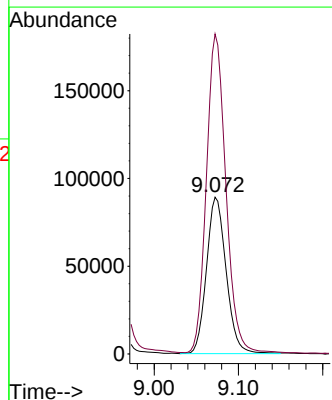
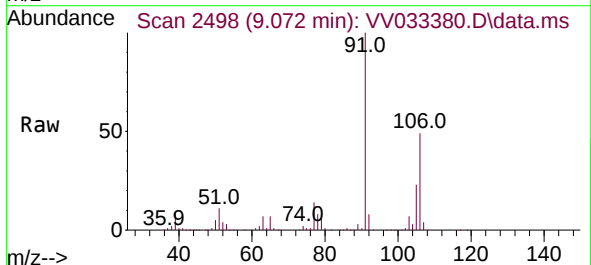
Instrument :
MSVOA_V
ClientSampleId :

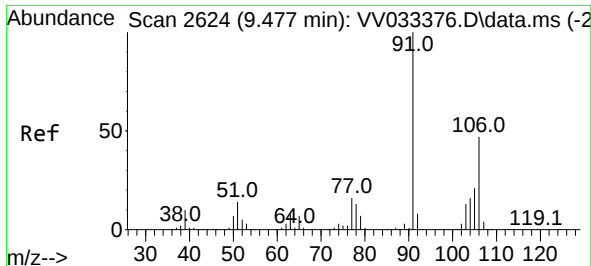
Tgt Ion: 91 Resp: 374390
Ion Ratio Lower Upper
91 100
106 31.3 21.6 40.2



#53
m,p-Xylene
Concen: 51.561 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Tgt Ion: 106 Resp: 144544
Ion Ratio Lower Upper
106 100
91 204.1 143.0 265.6

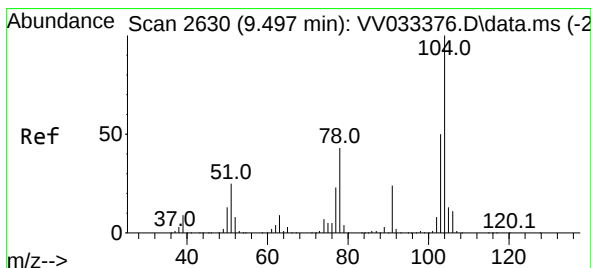
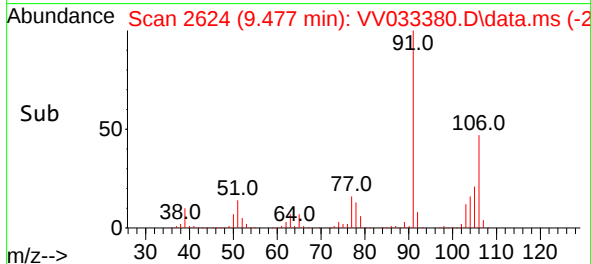
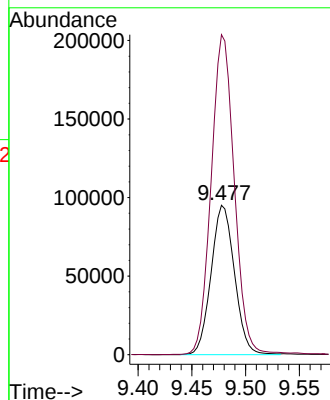
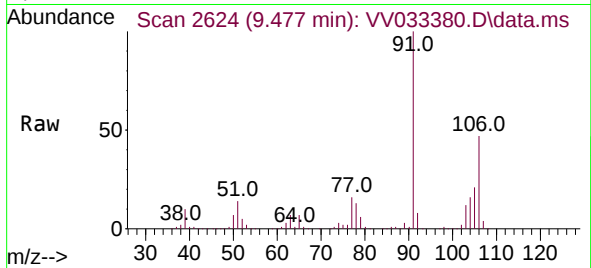




#54
o-Xylene
Concen: 52.906 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

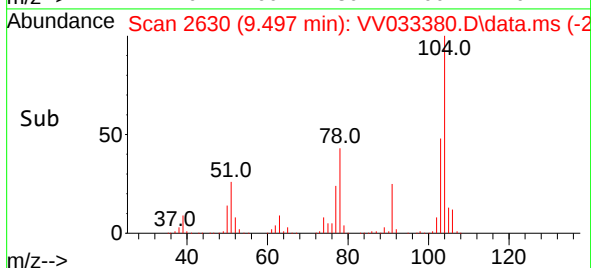
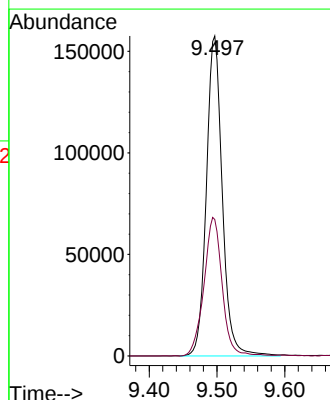
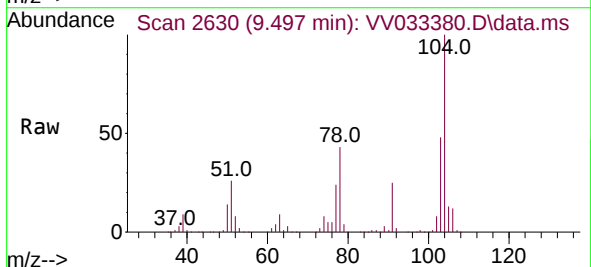
Instrument :
MSVOA_V
ClientSampleId :

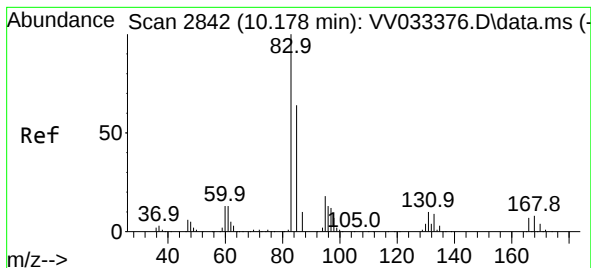
Tgt Ion:106 Resp: 144013
Ion Ratio Lower Upper
106 100
91 214.1 149.7 278.1



#55
Styrene
Concen: 53.608 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Tgt Ion:104 Resp: 257531
Ion Ratio Lower Upper
104 100
78 42.6 30.2 56.2

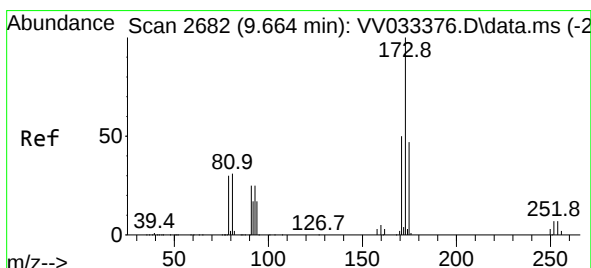
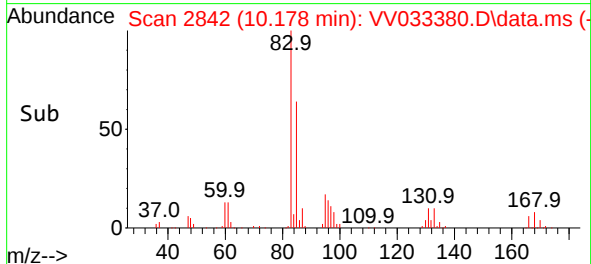
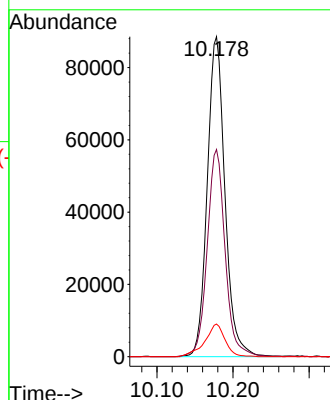
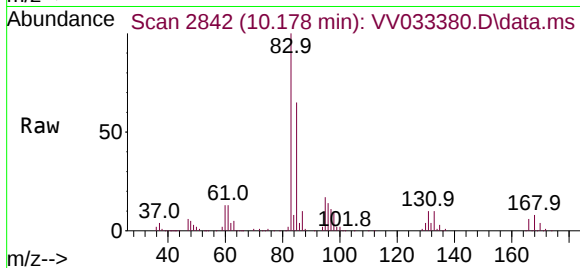




#57
1,1,2,2-Tetrachloroethane
Concen: 52.172 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

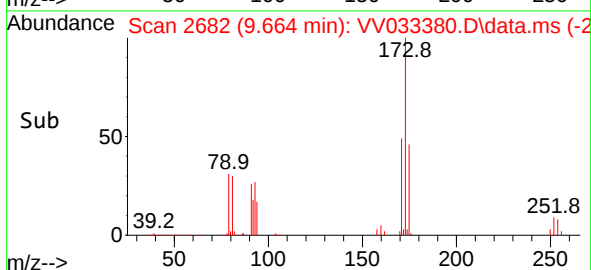
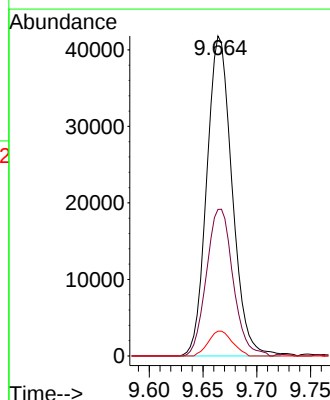
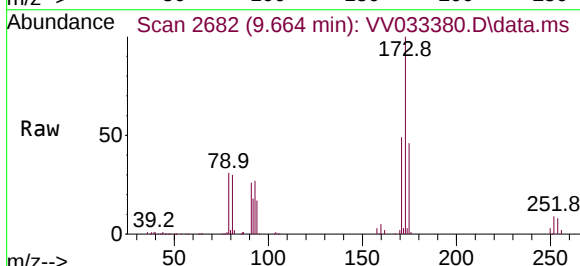
Instrument :
MSVOA_V
ClientSampleId :

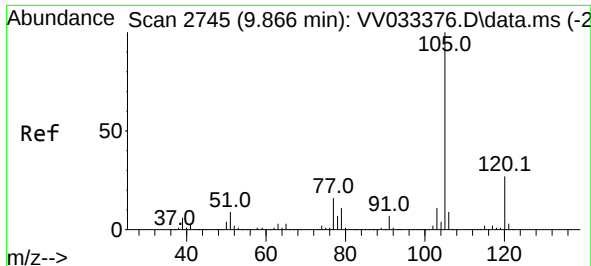
Tgt Ion: 83 Resp: 143170
Ion Ratio Lower Upper
83 100
85 64.7 44.8 83.2
131 10.2 8.6 12.8



#59
Bromoform
Concen: 52.216 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

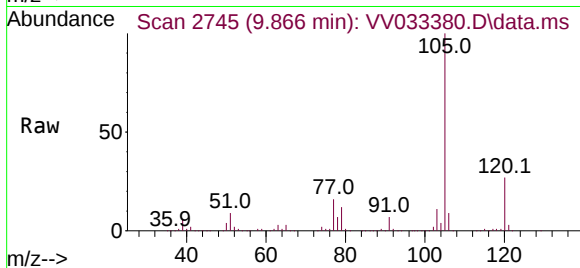
Tgt Ion: 173 Resp: 68394
Ion Ratio Lower Upper
173 100
175 48.3 38.8 58.2
254 7.4 5.8 8.8



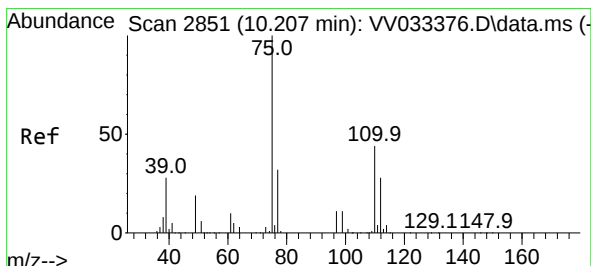
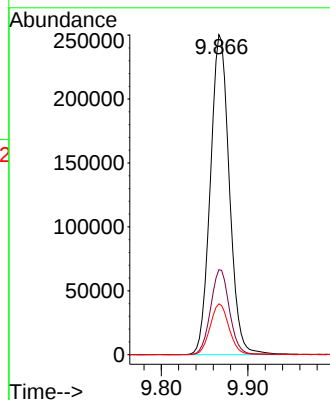
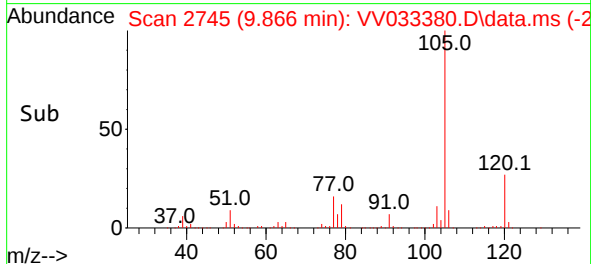


#60
Isopropylbenzene
Concen: 52.872 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

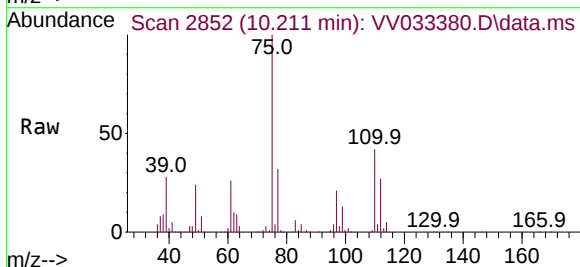
Instrument :
MSVOA_V
ClientSampleId :



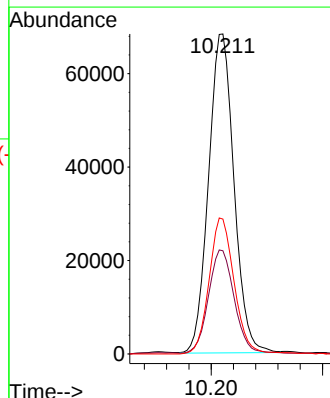
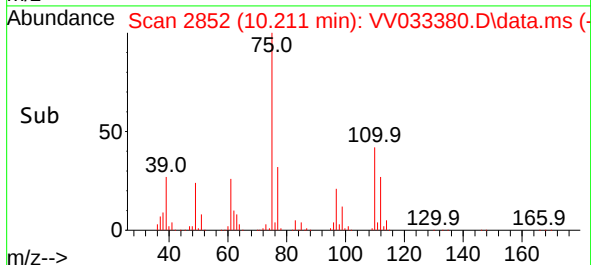
Tgt Ion:105 Resp: 381184
Ion Ratio Lower Upper
105 100
120 26.4 21.2 31.8
77 15.6 12.5 18.7

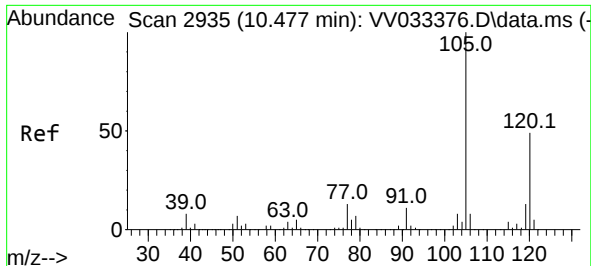


#61
1,2,3-Trichloropropane
Concen: 53.256 ug/L
RT: 10.211 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56



Tgt Ion: 75 Resp: 108371
Ion Ratio Lower Upper
75 100
77 32.8 25.7 38.5
110 41.6 33.9 50.9





#62

1,3,5-Trimethylbenzene

Concen: 53.640 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_V

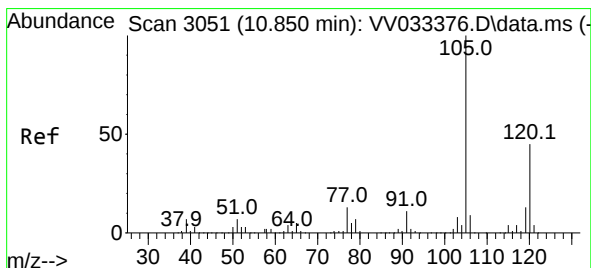
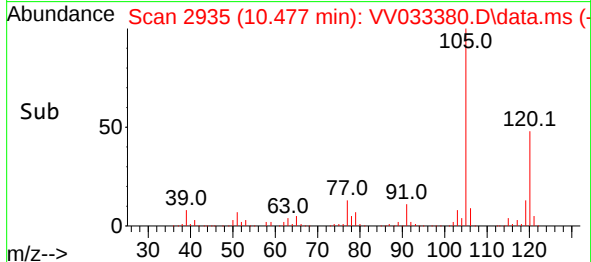
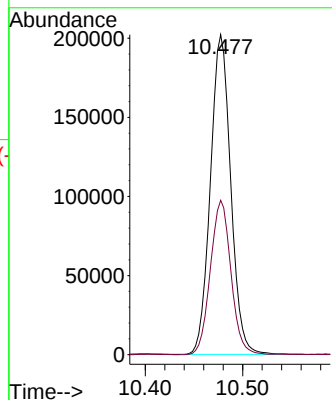
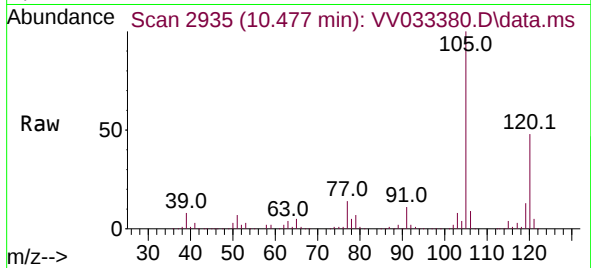
ClientSampleId :

Tgt Ion:105 Resp: 293098

Ion Ratio Lower Upper

105 100

120 48.8 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 55.255 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033380.D

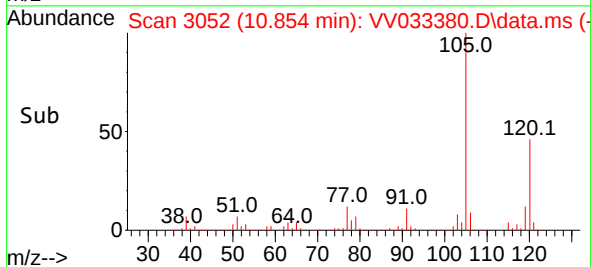
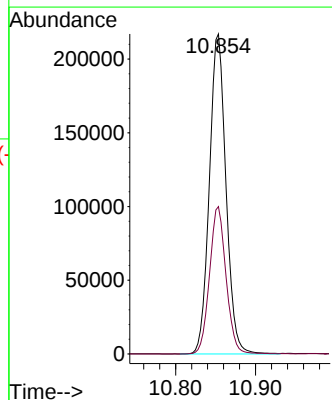
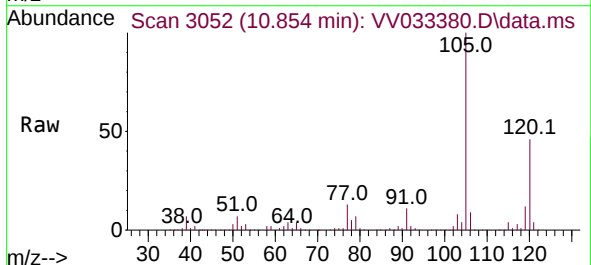
Acq: 15 Dec 2023 15:56

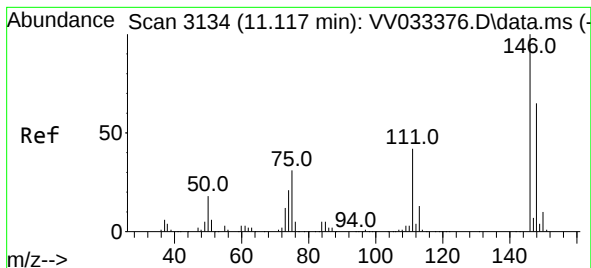
Tgt Ion:105 Resp: 313568

Ion Ratio Lower Upper

105 100

120 45.8 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 50.611 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

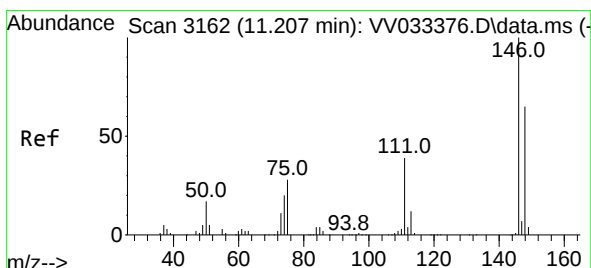
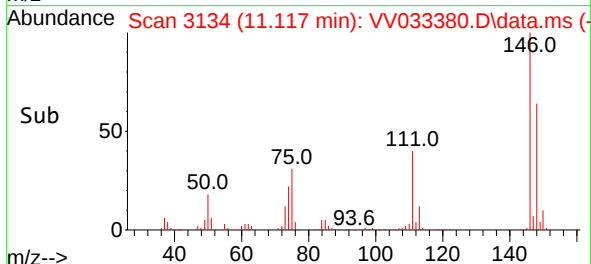
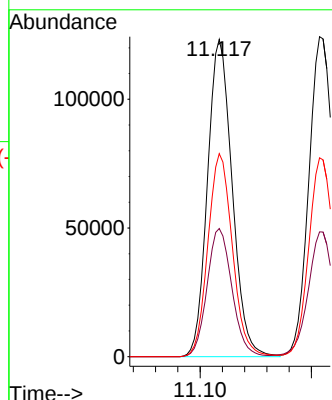
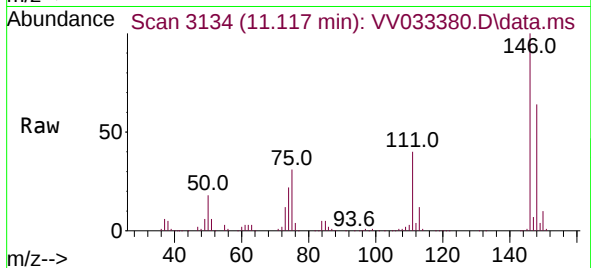
Tgt Ion:146 Resp: 189646

Ion Ratio Lower Upper

146 100

111 40.4 29.3 54.5

148 64.0 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 49.389 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

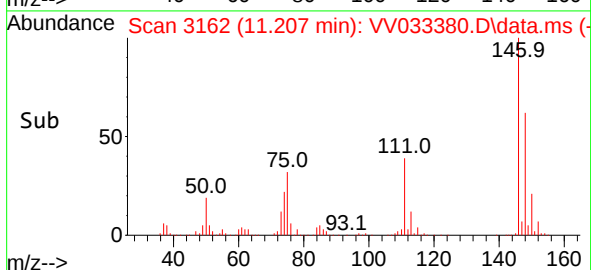
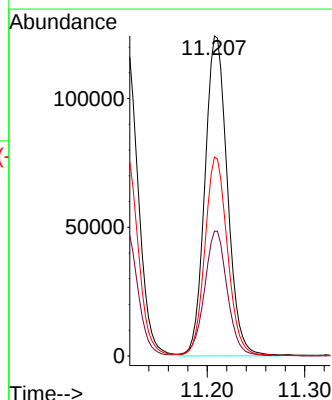
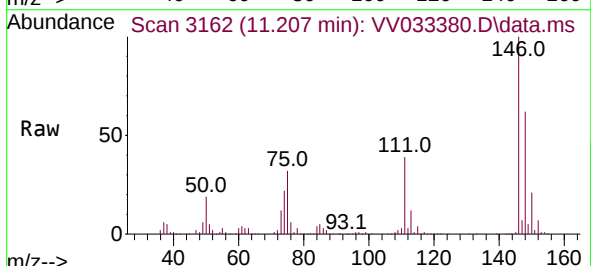
Tgt Ion:146 Resp: 199177

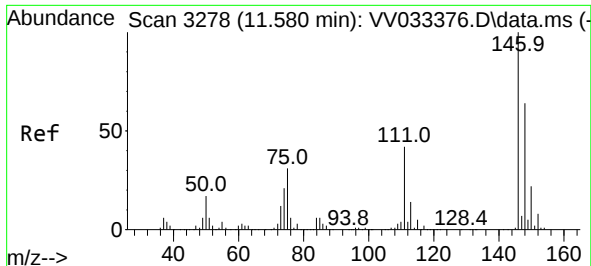
Ion Ratio Lower Upper

146 100

111 39.0 27.9 51.7

148 62.1 45.5 84.5





#67

1,2-Dichlorobenzene

Concen: 49.597 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :

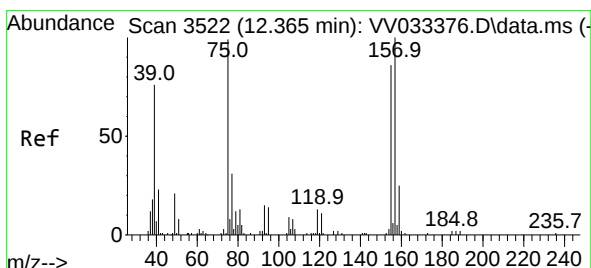
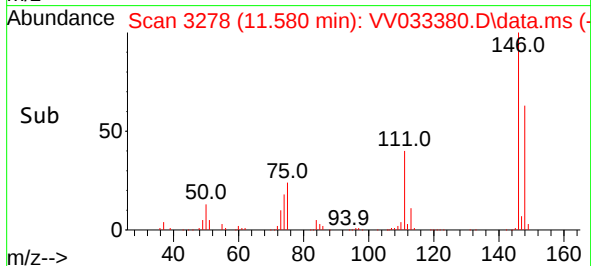
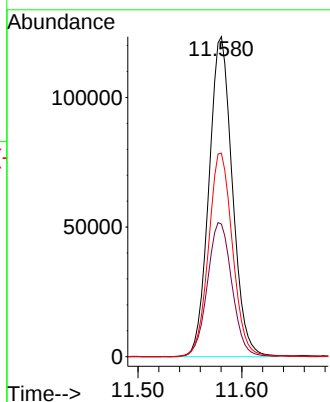
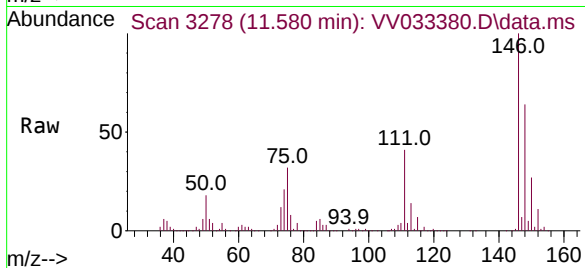
Tgt Ion:146 Resp: 193435

Ion Ratio Lower Upper

146 100

111 41.5 33.5 50.3

148 63.6 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 54.511 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

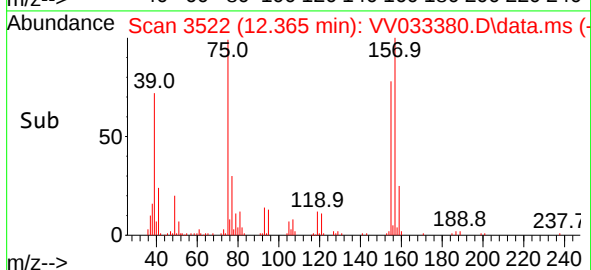
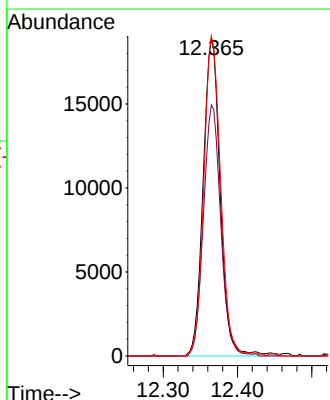
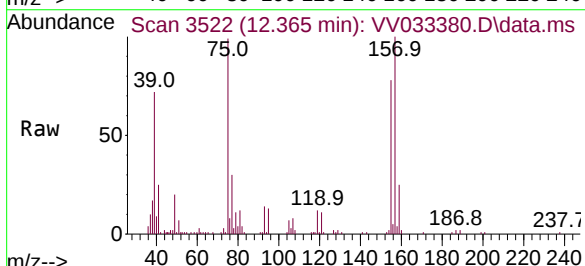
Tgt Ion: 75 Resp: 30048

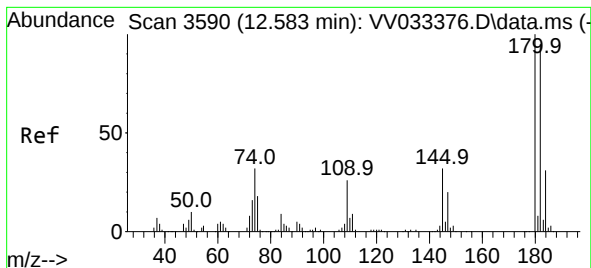
Ion Ratio Lower Upper

75 100

155 79.2 69.4 104.0

157 100.9 81.1 121.7





#69

1,3,5-Trichlorobenzene

Concen: 50.716 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

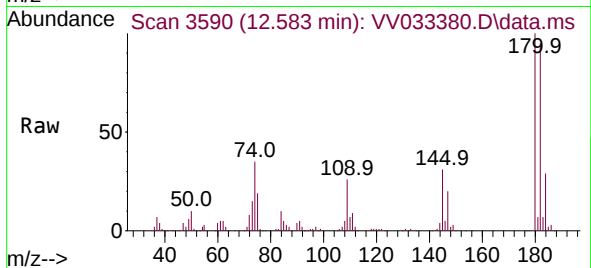
Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 131426

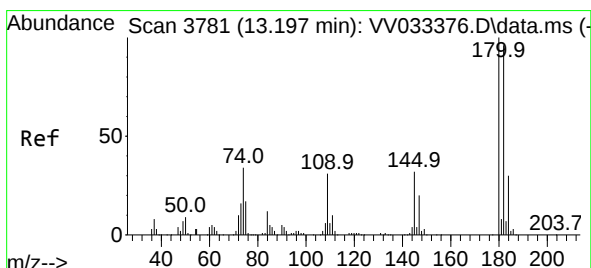
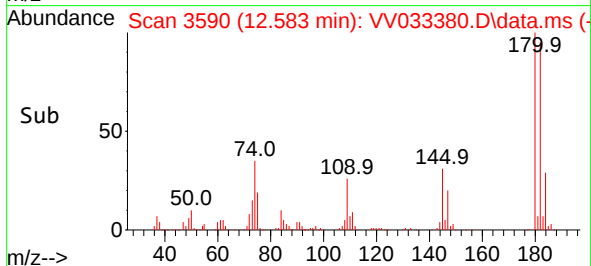
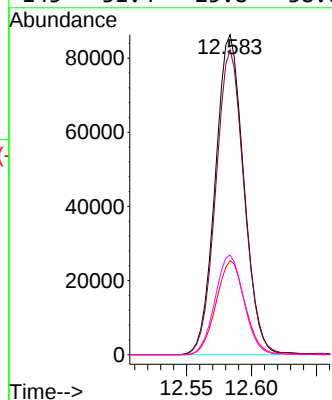
Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

184 29.8 24.4 36.6

145 31.4 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 51.469 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033380.D

Acq: 15 Dec 2023 15:56

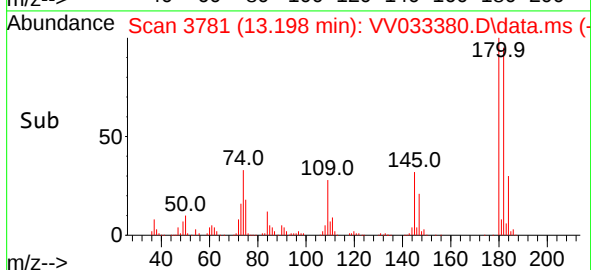
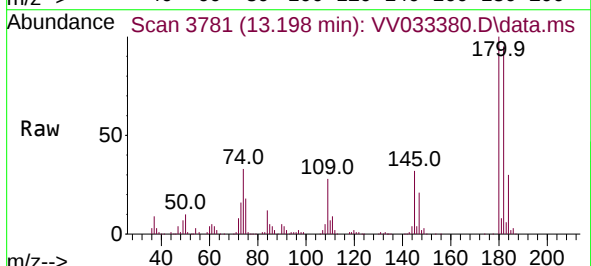
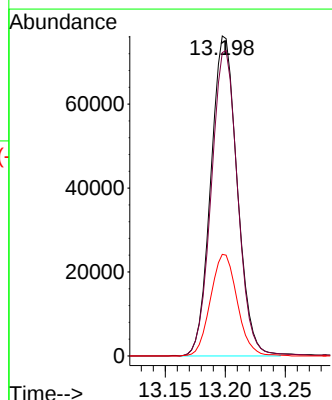
Tgt Ion:180 Resp: 116590

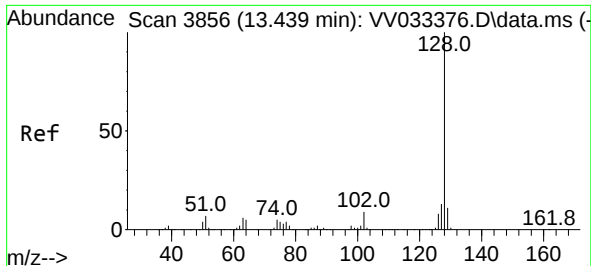
Ion Ratio Lower Upper

180 100

182 95.3 76.1 114.1

145 32.2 25.6 38.4

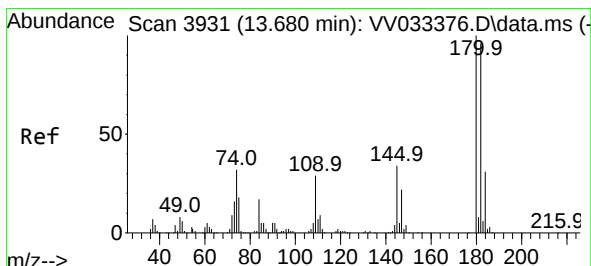
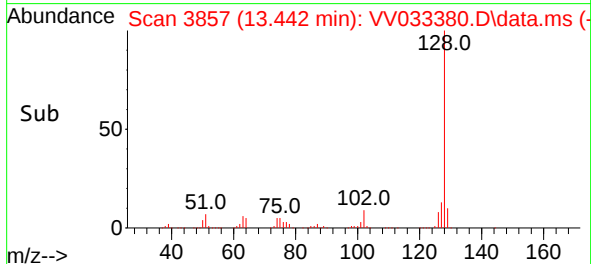
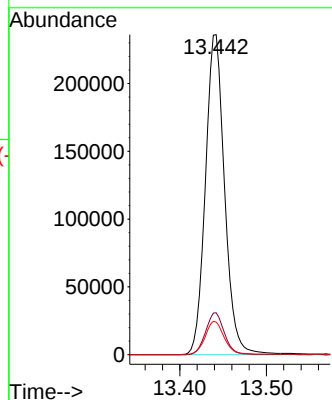
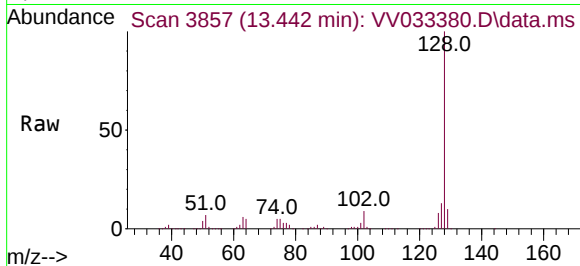




#71
Naphthalene
Concen: 59.583 ug/L
RT: 13.442 min Scan# 3856
Delta R.T. 0.003 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 363140
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.4 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 56.282 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.000 min
Lab File: VV033380.D
Acq: 15 Dec 2023 15:56

Tgt Ion:180 Resp: 124703
Ion Ratio Lower Upper
180 100
182 95.7 76.2 114.2
145 35.1 27.1 40.7

