

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011924\
 Data File : VW033787.D
 Acq On : 20 Jan 2024 05:08
 Operator : SY/MD
 Sample : P1189-09MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 20 06:02:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 23:43:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	222140	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	208812	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	109327	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	59886	35.077	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.160%
7) Chloroethane-d5	1.529	69	53174	39.329	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.660%
11) 1,1-Dichloroethene-d2	2.060	65	29538	40.202	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.400%
21) 2-Butanone-d5	3.783	46	81398	69.511	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	69.510%
24) Chloroform-d	4.249	84	124046	40.634	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.260%
26) 1,2-Dichloroethane-d4	4.941	65	81569	41.354	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.700%
32) Benzene-d6	4.960	84	234502	39.503	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.000%
36) 1,2-Dichloropropane-d6	5.989	67	71947	36.819	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	73.640%
41) Toluene-d8	7.243	98	212895	39.803	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.600%#
43) trans-1,3-Dichloroprop...	7.551	79	36877	38.185	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.380%
47) 2-Hexanone-d5	8.021	63	59093	72.906	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	72.910%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	94787	37.997	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	86804	41.849	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	74185	40.143	ug/L	100
3) Chloromethane	1.217	50	80801	38.450	ug/L	99
5) Vinyl chloride	1.285	62	85842	42.700	ug/L #	60
6) Bromomethane	1.484	94	43691	41.584	ug/L	100
8) Chloroethane	1.548	64	58868	49.107	ug/L	96
9) Trichlorofluoromethane	1.716	101	127592	53.186	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	69204	48.964	ug/L	97
12) 1,1-Dichloroethene	2.069	96	66765	50.080	ug/L	99
13) Acetone	2.111	43	63416	56.640	ug/L	100
14) Carbon disulfide	2.243	76	202841	44.766	ug/L	100
15) Methyl Acetate	2.372	43	62821	34.313	ug/L #	100
16) Methylene chloride	2.449	84	71600	44.024	ug/L	95
17) trans-1,2-Dichloroethene	2.696	96	65810	44.191	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	242258	45.231	ug/L	99
19) 1,1-Dichloroethane	3.111	63	133902	43.980	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	76361	46.072	ug/L	93
22) 2-Butanone	3.863	43	86384	63.526	ug/L	100
23) Bromochloromethane	4.146	128	37946	47.127	ug/L	88
25) Chloroform	4.275	83	135328	46.880	ug/L	100

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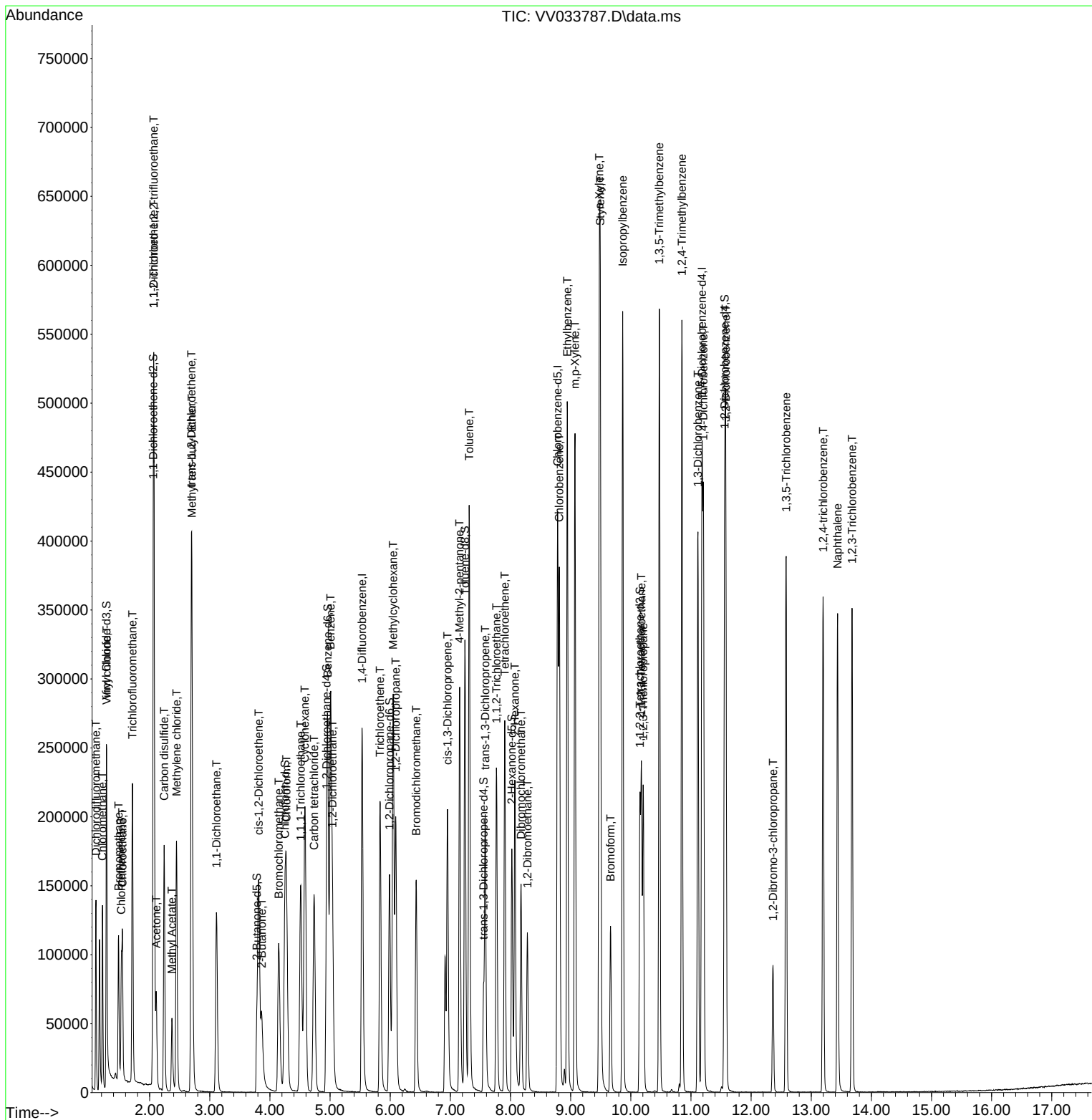
Instrument :
 MSVOA_V
 ClientSampleId :

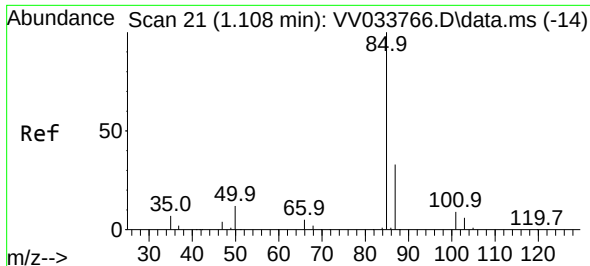
Quant Time: Jan 20 06:02:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 23:43:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	113292	46.988	ug/L	100
29) Cyclohexane	4.580	56	122048	41.460	ug/L	96
30) 1,1,1-Trichloroethane	4.513	97	124738	49.778	ug/L	98
31) Carbon tetrachloride	4.735	117	109354	51.126	ug/L	98
33) Benzene	5.008	78	276978	45.161	ug/L	100
34) Trichloroethene	5.831	95	73444	44.642	ug/L	97
35) Methylcyclohexane	6.050	83	120262	42.714	ug/L	96
37) 1,2-Dichloropropane	6.092	63	75207	44.562	ug/L	98
38) Bromodichloromethane	6.433	83	102149	46.266	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	120899	42.897	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	199051	79.597	ug/L	98
42) Toluene	7.313	91	298106	45.981	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	111794	43.045	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	69535	45.409	ug/L	99
46) Tetrachloroethene	7.905	164	58265	48.284	ug/L	98
48) 2-Hexanone	8.072	43	142399	71.463	ug/L	98
49) Dibromochloromethane	8.175	129	73574	46.132	ug/L	99
50) 1,2-Dibromoethane	8.281	107	73447	45.386	ug/L	98
51) Chlorobenzene	8.812	112	191528	46.377	ug/L	99
52) Ethylbenzene	8.944	91	342392	45.596	ug/L	99
53) m,p-Xylene	9.072	106	126452	45.613	ug/L	98
54) o-Xylene	9.477	106	126408	46.058	ug/L	100
55) Styrene	9.493	104	214357	45.238	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	106372	43.648	ug/L	100
59) Bromoform	9.664	173	51600	44.408	ug/L	97
60) Isopropylbenzene	9.866	105	346219	46.806	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	84313	43.454	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	292733	46.124	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	293694	46.443	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	153500	45.942	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	154670	46.168	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	154436	47.305	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	22729	40.595	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	114121	46.222	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	102996	45.961	ug/L	99
71) Naphthalene	13.439	128	259926	44.388	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	99482	47.561	ug/L	99

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

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QLast Update : Fri Jan 19 23:43:59 2024
Response via : Initial Calibration

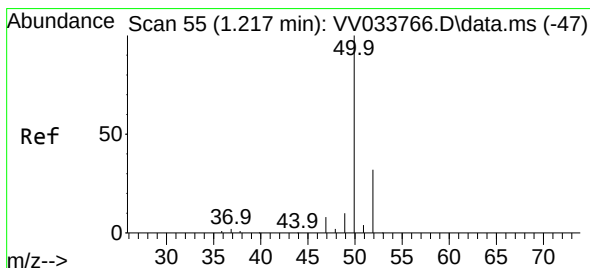
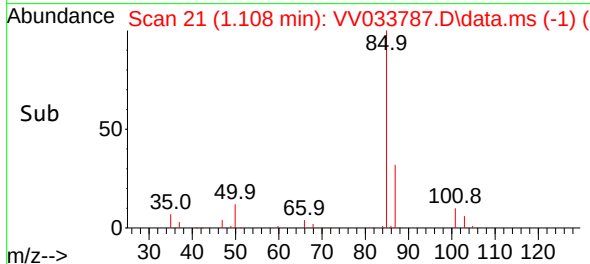
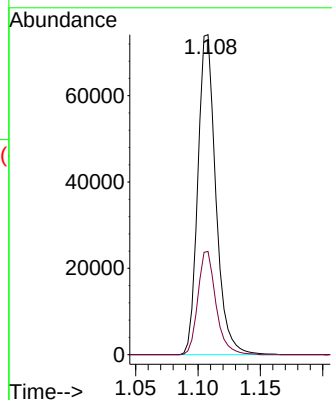
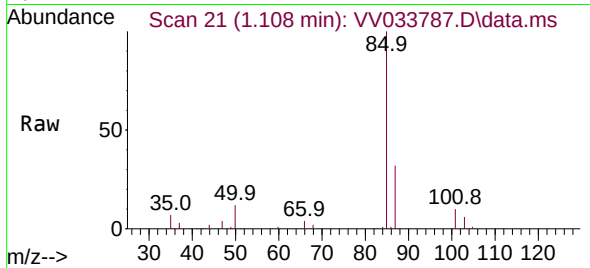




#2
 Dichlorodifluoromethane
 Concen: 40.143 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV033787.D
 Acq: 20 Jan 2024 05:08

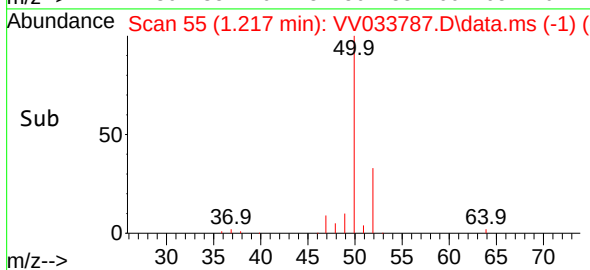
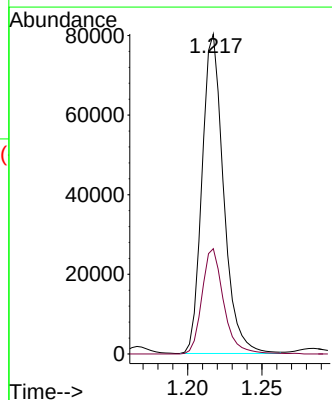
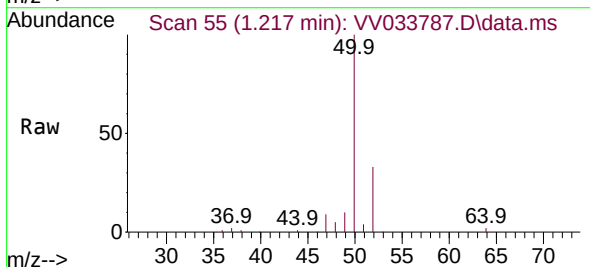
Instrument :
 MSVOA_V
 ClientSampleId :

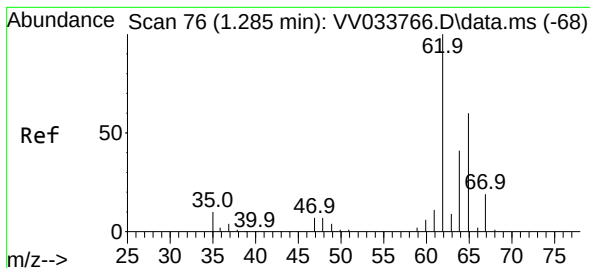
Tgt Ion: 85 Resp: 74185
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.6



#3
 Chloromethane
 Concen: 38.450 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV033787.D
 Acq: 20 Jan 2024 05:08

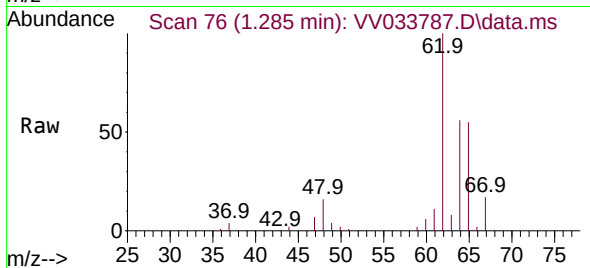
Tgt Ion: 50 Resp: 80801
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.8 42.4



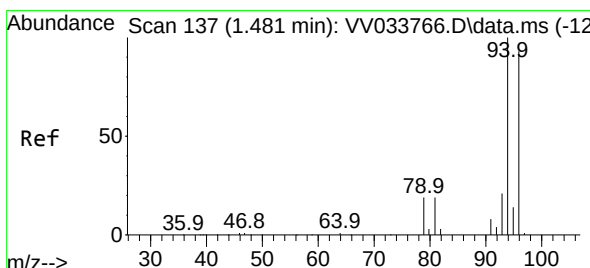
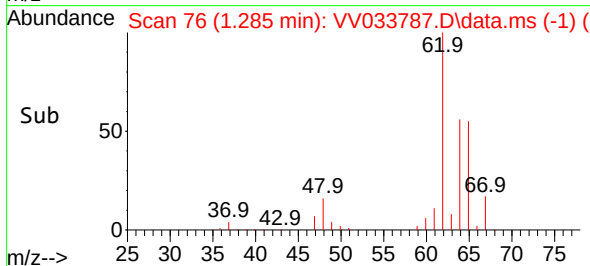
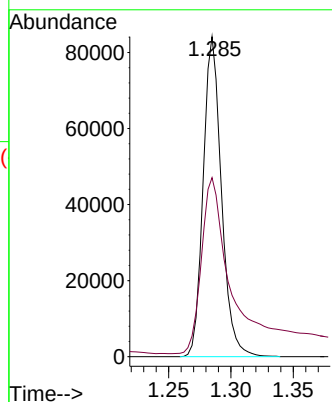


#5
 Vinyl chloride
 Concen: 42.700 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV033787.D
 Acq: 20 Jan 2024 05:08

Instrument :
 MSVOA_V
 ClientSampleId :

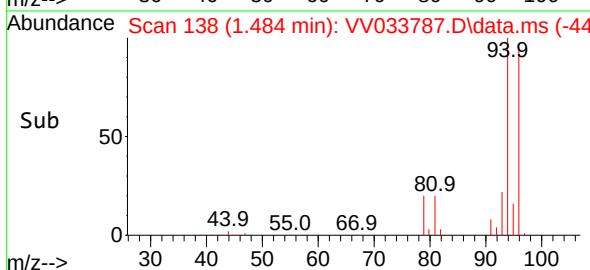
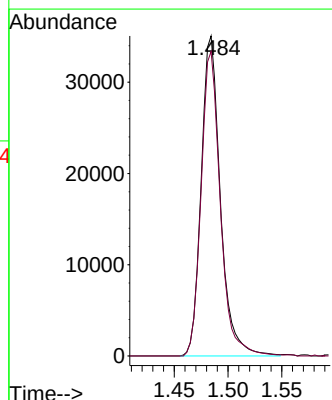
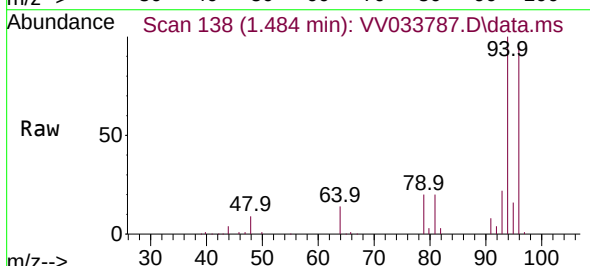


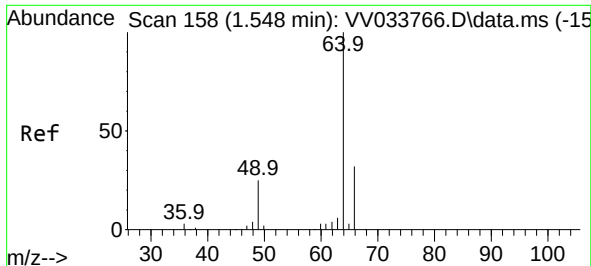
Tgt Ion: 62 Resp: 85842
 Ion Ratio Lower Upper
 62 100
 64 56.0 23.2 43.0#



#6
 Bromomethane
 Concen: 41.584 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.003 min
 Lab File: VV033787.D
 Acq: 20 Jan 2024 05:08

Tgt Ion: 94 Resp: 43691
 Ion Ratio Lower Upper
 94 100
 96 95.1 66.4 123.2

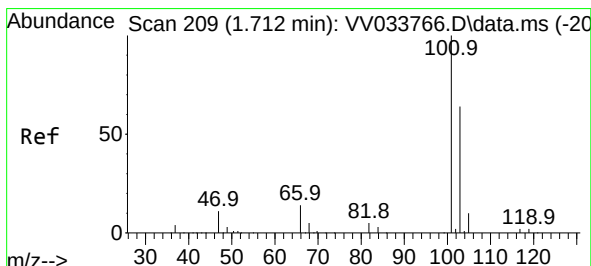
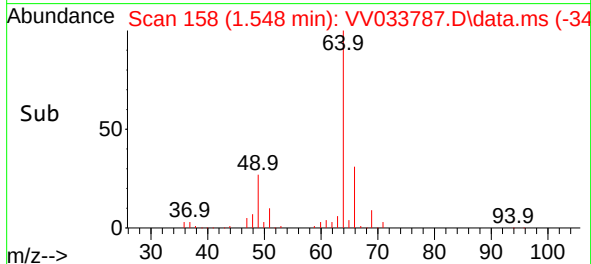
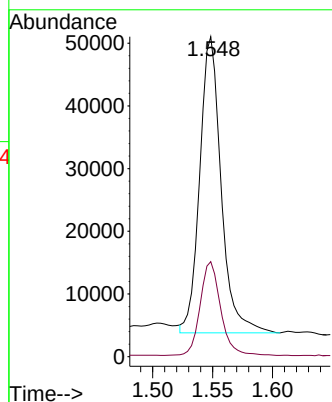
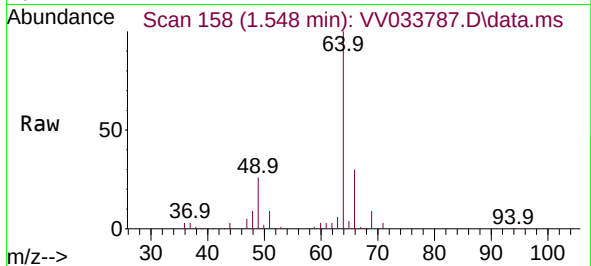




#8
Chloroethane
Concen: 49.107 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

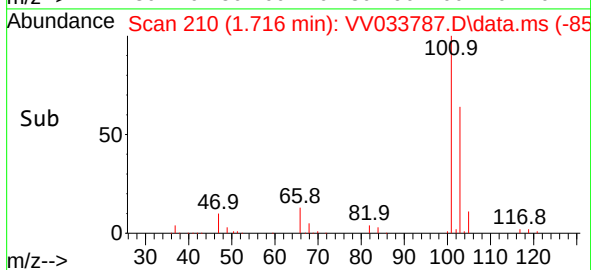
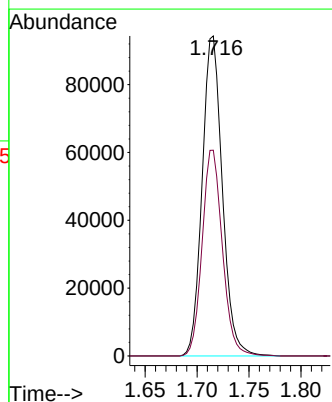
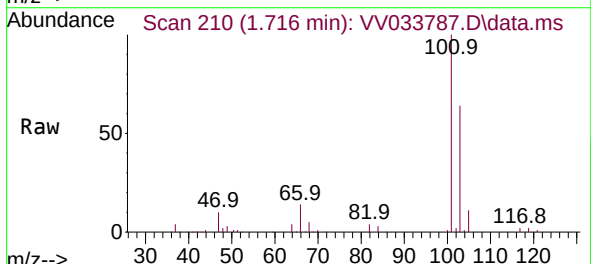
Instrument :
MSVOA_V
ClientSampleId :

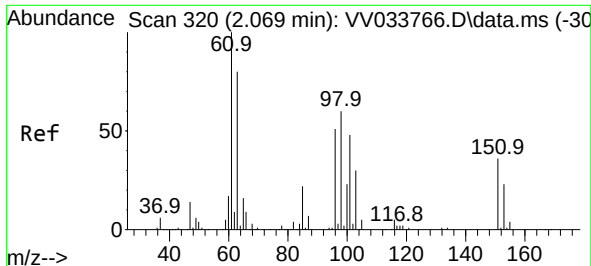
Tgt Ion: 64 Resp: 58868
Ion Ratio Lower Upper
64 100
66 29.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 53.186 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

Tgt Ion:101 Resp: 127592
Ion Ratio Lower Upper
101 100
103 64.5 51.3 76.9

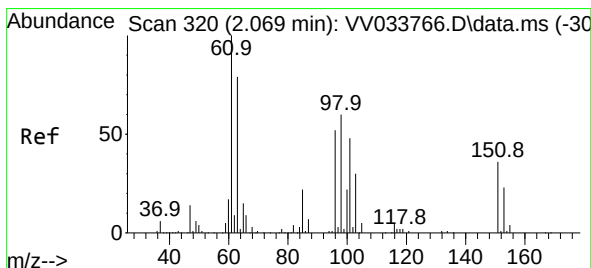
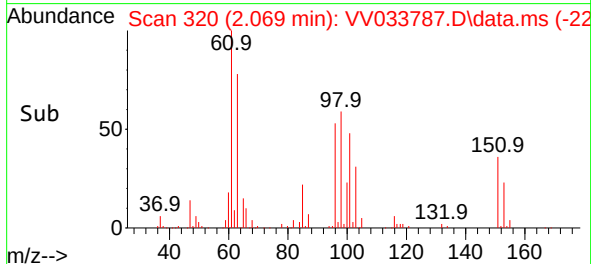
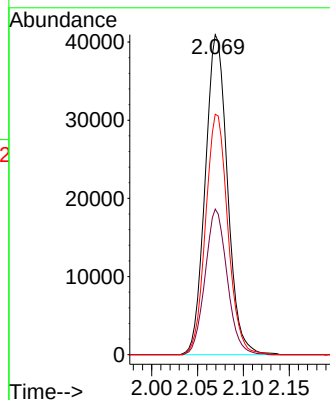
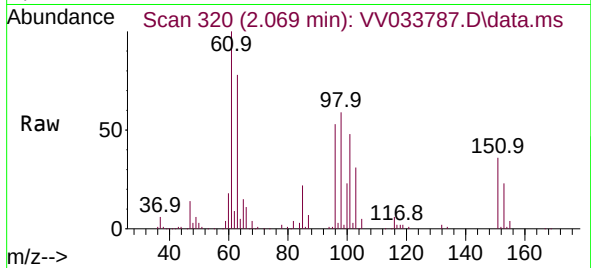




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.964 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033787.D
 Acq: 20 Jan 2024 05:08

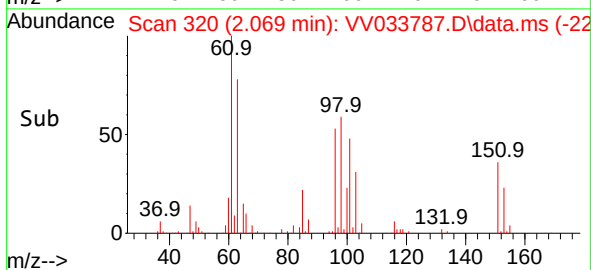
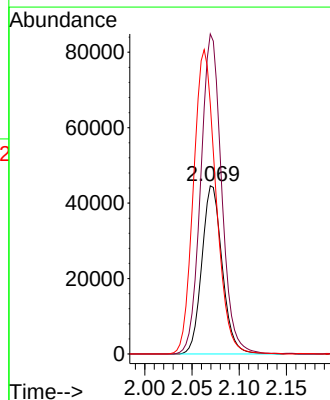
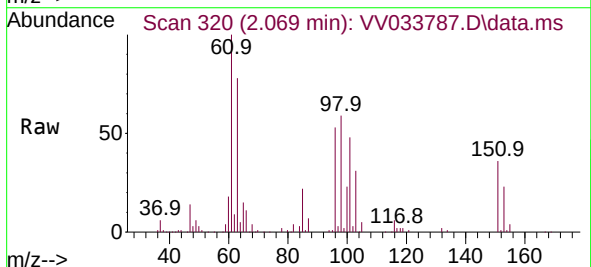
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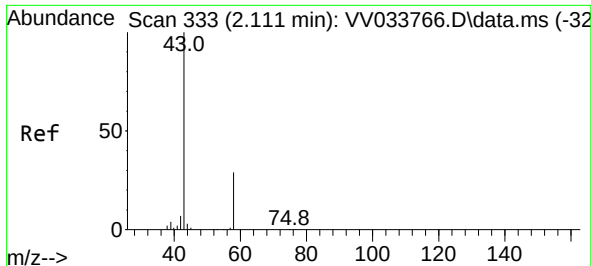
Tgt Ion:101 Resp: 69204
 Ion Ratio Lower Upper
 101 100
 85 45.0 36.2 54.4
 151 75.1 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 50.080 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV033787.D
 Acq: 20 Jan 2024 05:08

Tgt Ion: 96 Resp: 66765
 Ion Ratio Lower Upper
 96 100
 61 190.2 134.0 248.8
 63 148.7 103.4 192.0





#13

Acetone

Concen: 56.640 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

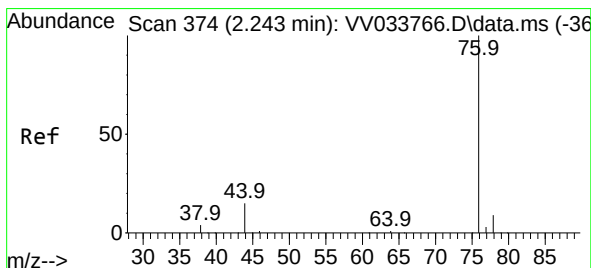
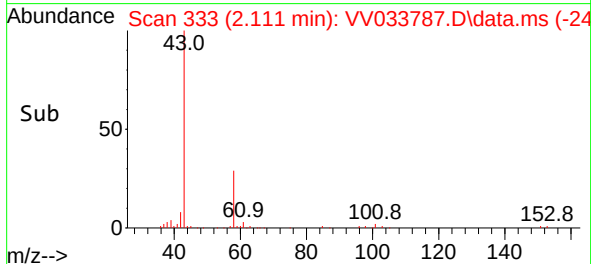
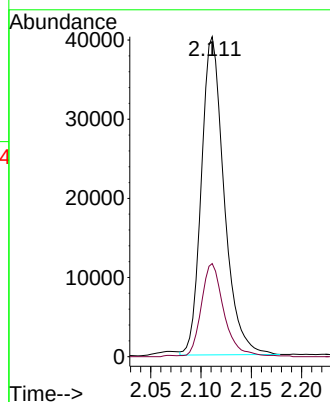
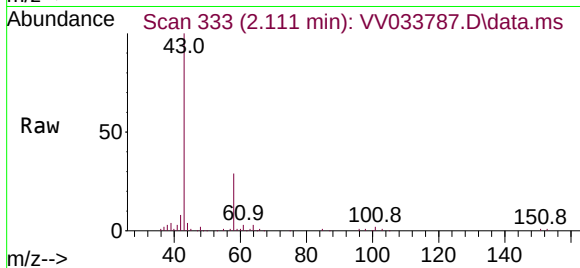
ClientSampleId :

Tgt Ion: 43 Resp: 63416

Ion Ratio Lower Upper

43 100

58 28.6 0.0 57.2



#14

Carbon disulfide

Concen: 44.766 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033787.D

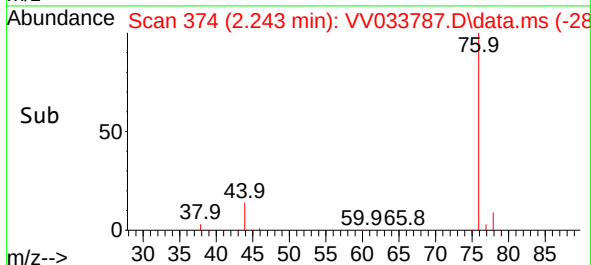
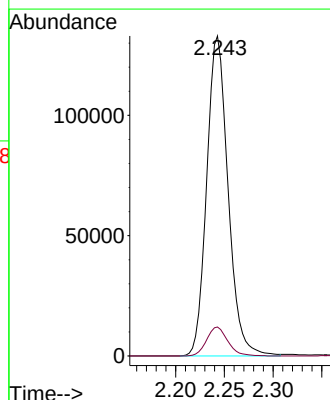
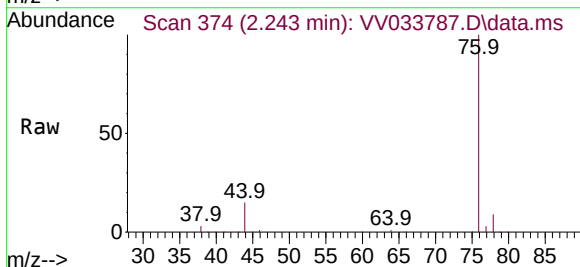
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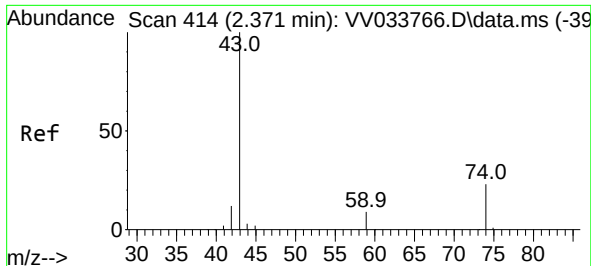
Tgt Ion: 76 Resp: 202841

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

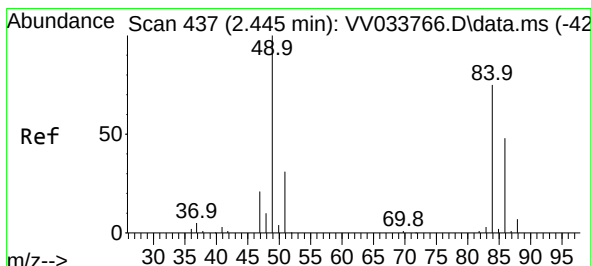
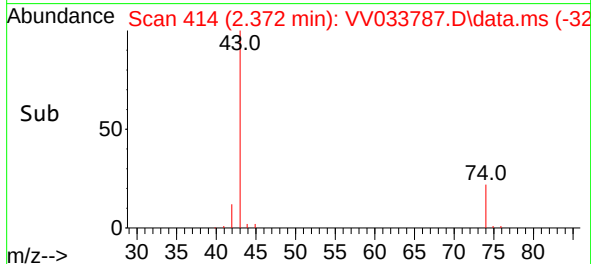
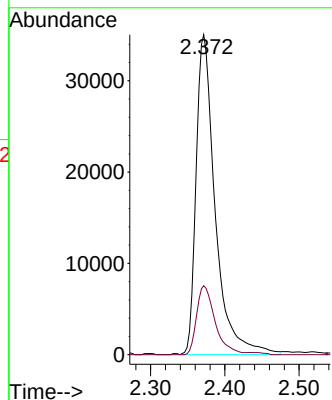
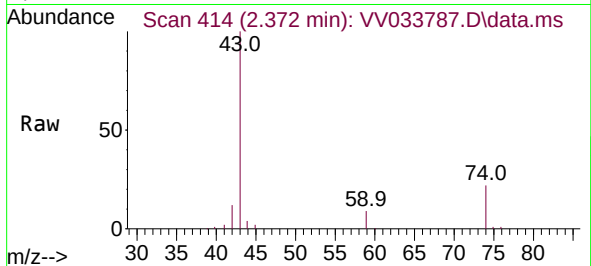




#15
Methyl Acetate
Concen: 34.313 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

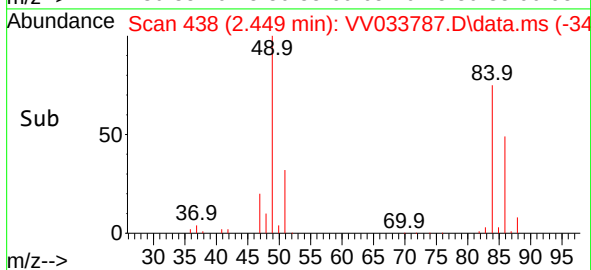
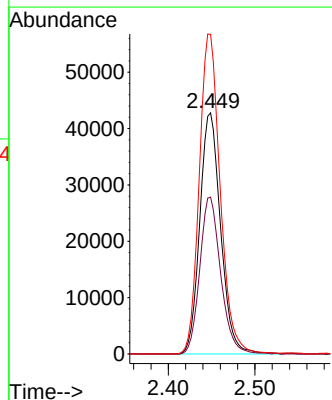
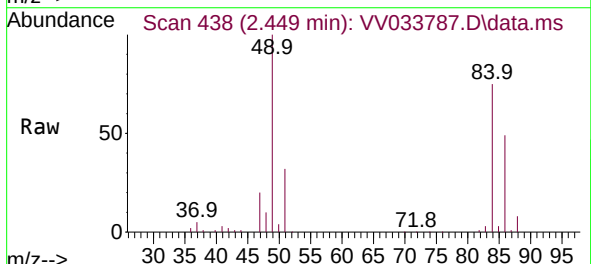
Instrument :
MSVOA_V
ClientSampleId :

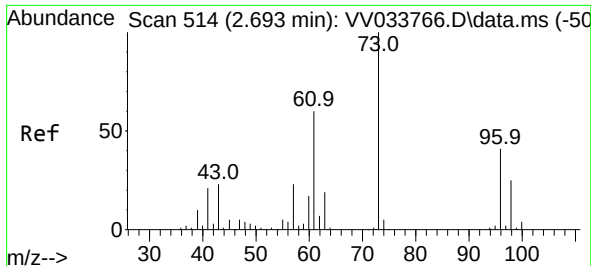
Tgt Ion: 43 Resp: 62821
Ion Ratio Lower Upper
43 100
74 20.8 0.0 0.0#



#16
Methylene chloride
Concen: 44.024 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

Tgt Ion: 84 Resp: 71600
Ion Ratio Lower Upper
84 100
86 65.0 43.9 81.5
49 132.5 98.3 182.5

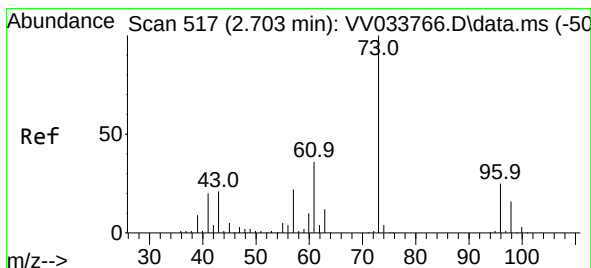
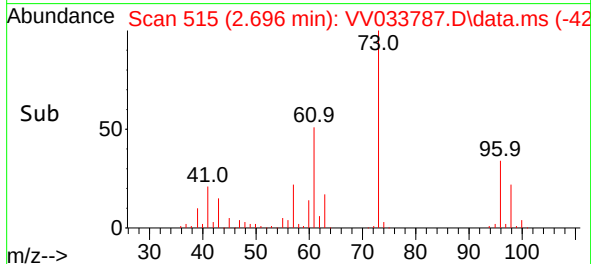
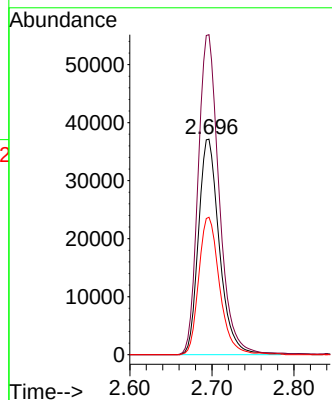
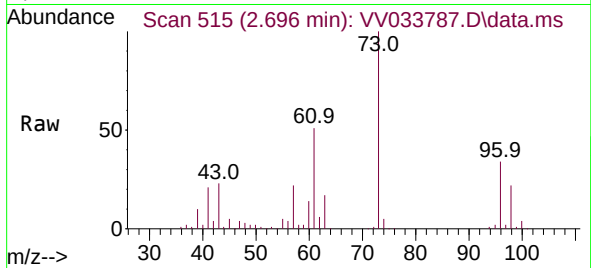




#17
trans-1,2-Dichloroethene
Concen: 44.191 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

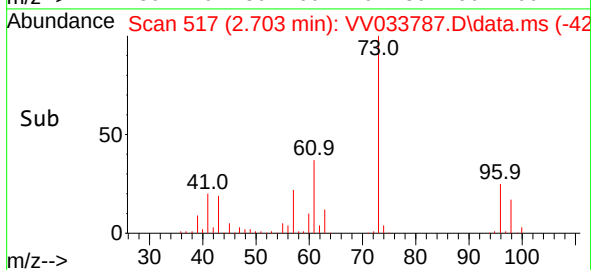
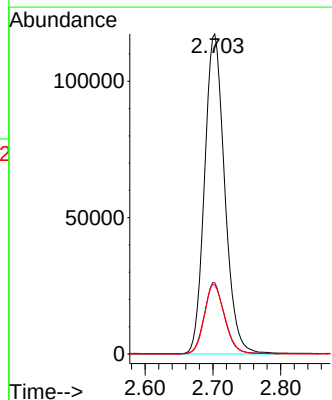
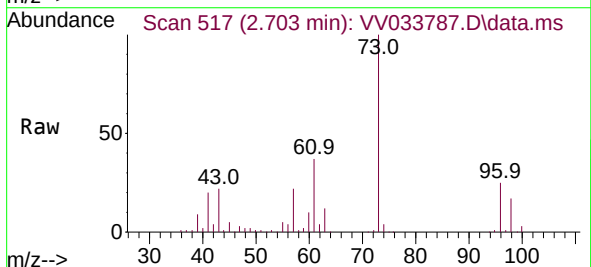
Instrument :
MSVOA_V
ClientSampleId :

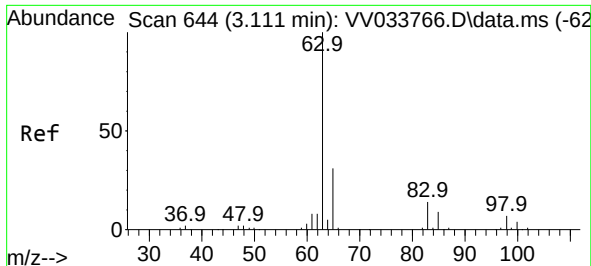
Tgt Ion: 96 Resp: 65810
Ion Ratio Lower Upper
96 100
61 148.4 108.4 201.4
98 63.8 43.8 81.4



#18
Methyl tert-butyl Ether
Concen: 45.231 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

Tgt Ion: 73 Resp: 242258
Ion Ratio Lower Upper
73 100
43 22.0 17.4 26.2
57 22.0 18.6 27.8





#19

1,1-Dichloroethane

Concen: 43.980 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

ClientSampleId :

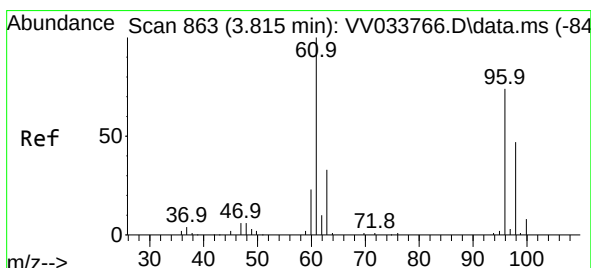
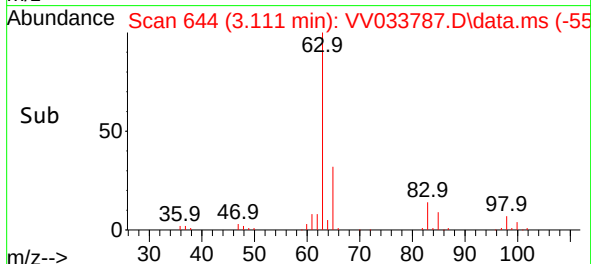
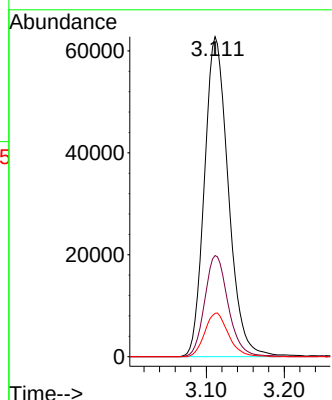
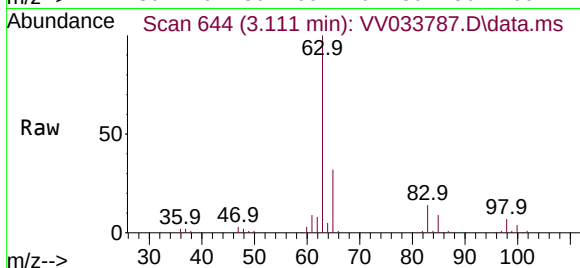
Tgt Ion: 63 Resp: 133902

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 13.5 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 46.072 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.003 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

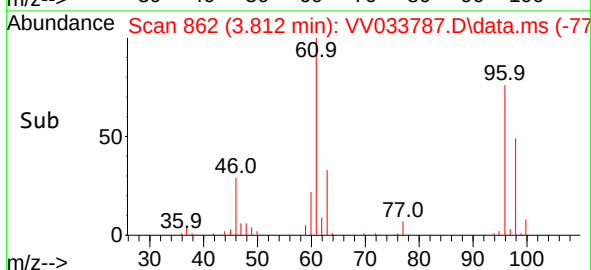
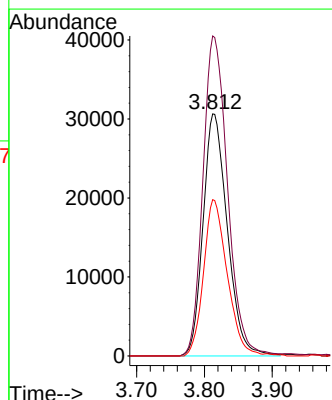
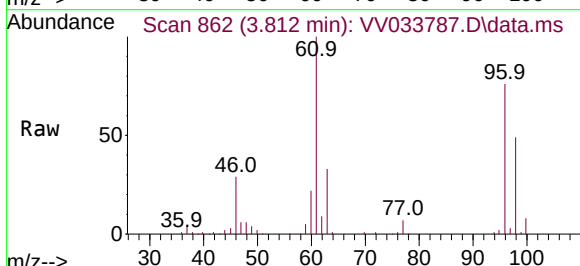
Tgt Ion: 96 Resp: 76361

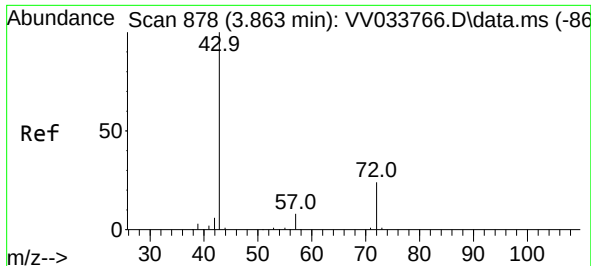
Ion Ratio Lower Upper

96 100

61 132.2 100.6 186.8

98 64.6 44.6 82.8

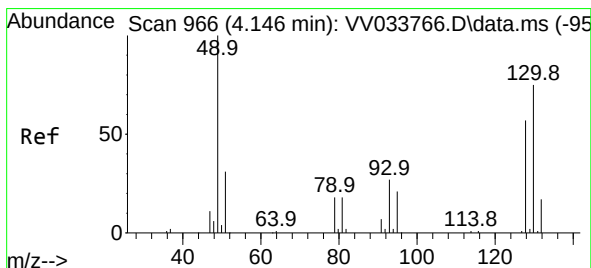
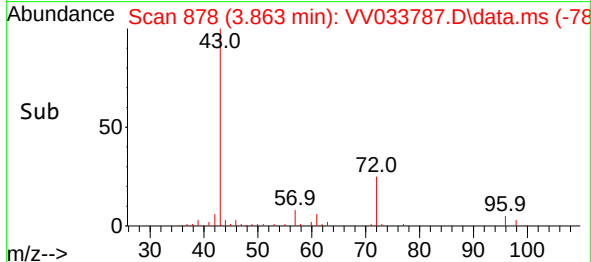
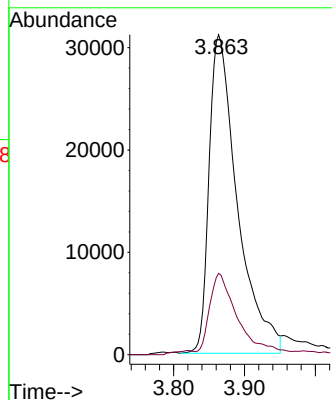
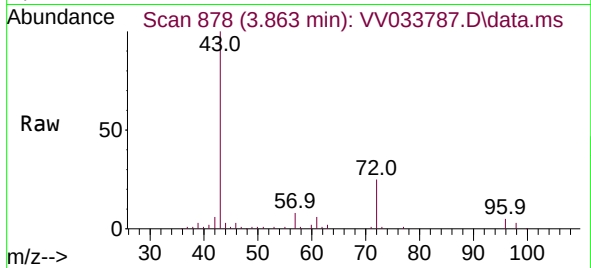




#22
2-Butanone
Concen: 63.526 ug/L
RT: 3.863 min Scan# 878
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

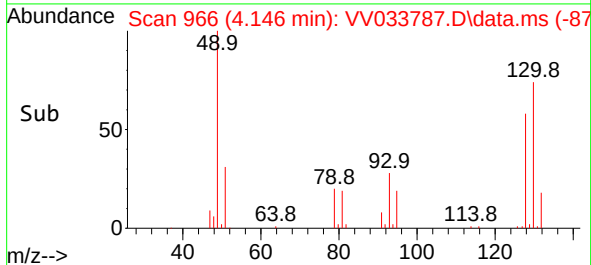
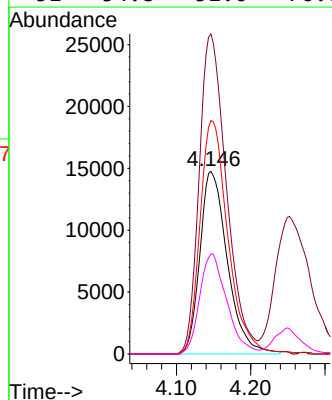
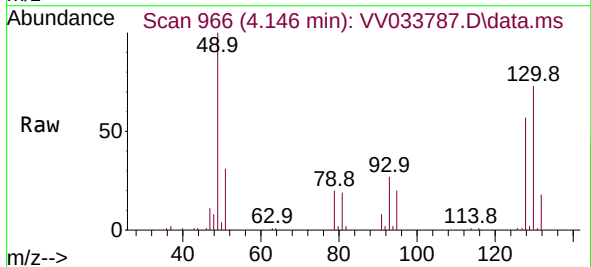
Instrument :
MSVOA_V
ClientSampleId :

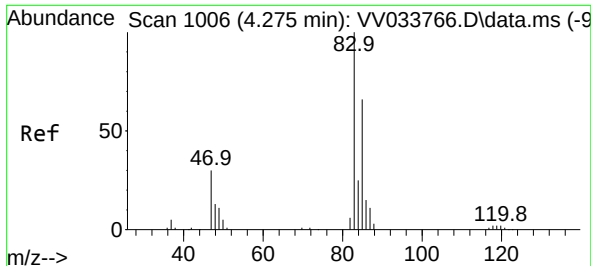
Tgt Ion: 43 Resp: 86384
Ion Ratio Lower Upper
43 100
72 23.7 11.9 35.5



#23
Bromochloromethane
Concen: 47.127 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

Tgt Ion:128 Resp: 37946
Ion Ratio Lower Upper
128 100
49 175.3 143.9 267.2
130 127.8 90.6 168.2
51 54.8 51.0 76.6

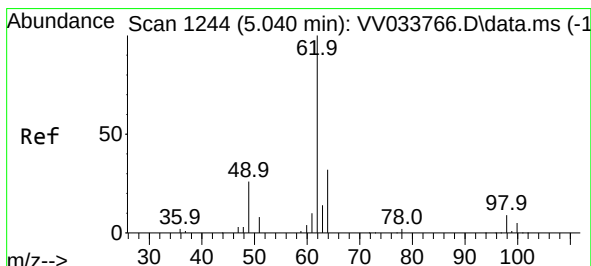
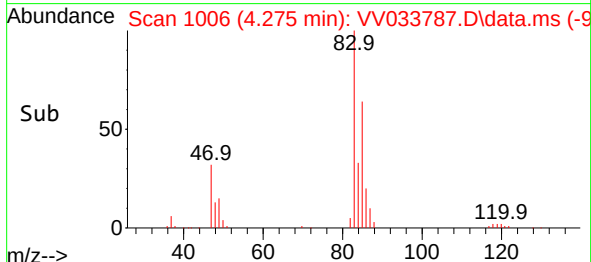
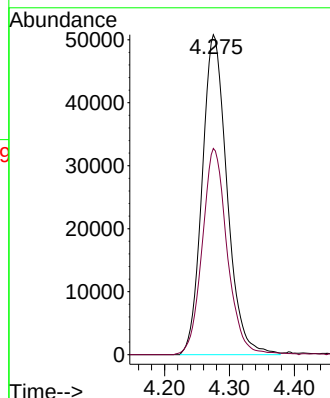
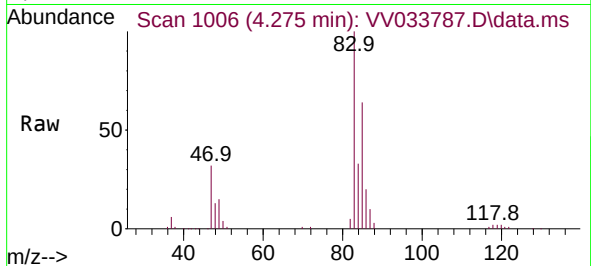




#25
Chloroform
Concen: 46.880 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

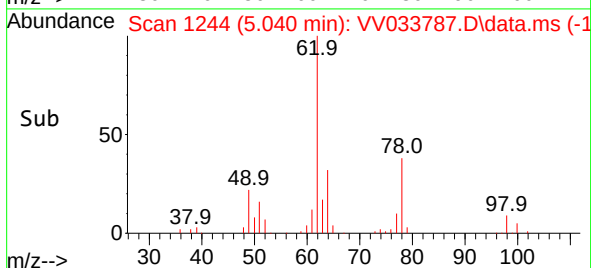
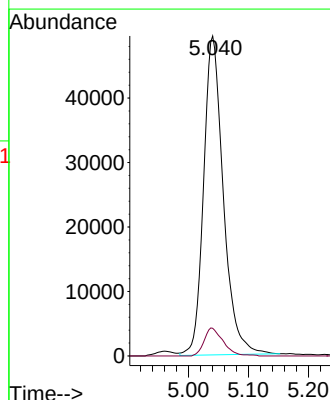
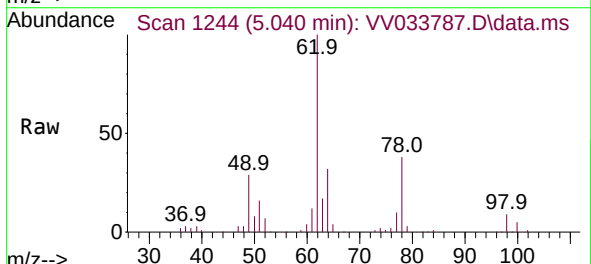
Instrument :
MSVOA_V
ClientSampleId :

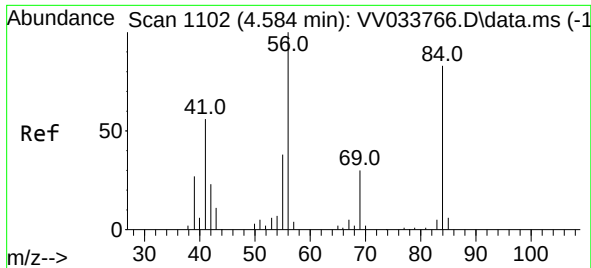
Tgt Ion: 83 Resp: 135328
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 46.988 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

Tgt Ion: 62 Resp: 113292
Ion Ratio Lower Upper
62 100
98 8.6 6.8 10.2

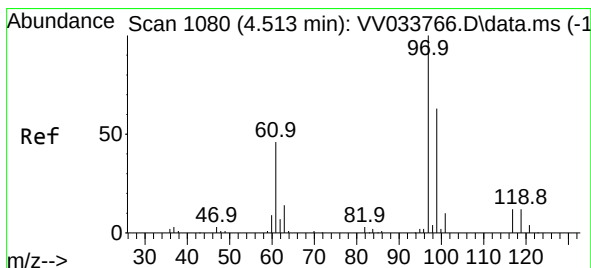
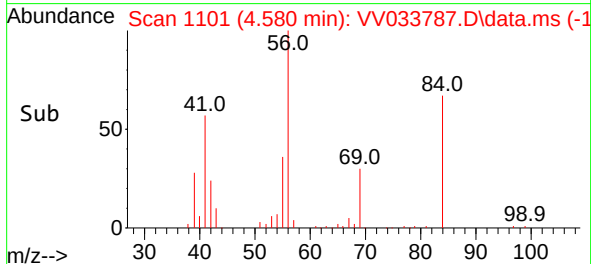
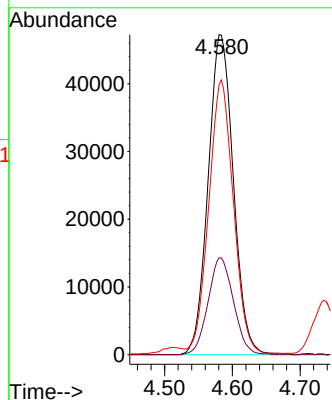
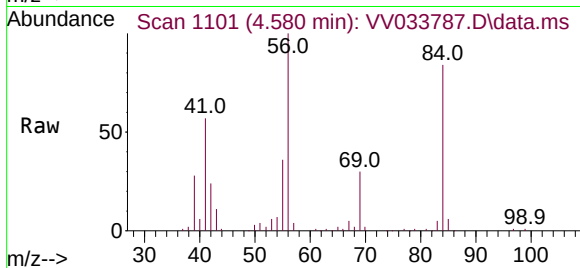




#29
Cyclohexane
Concen: 41.460 ug/L
RT: 4.580 min Scan# 1102
Delta R.T. -0.003 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

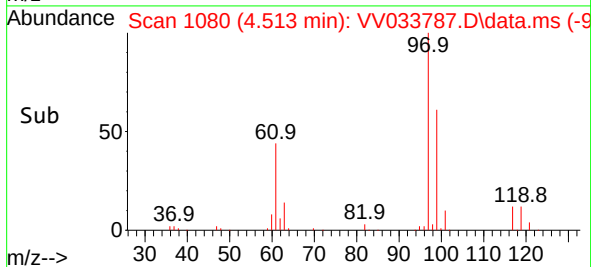
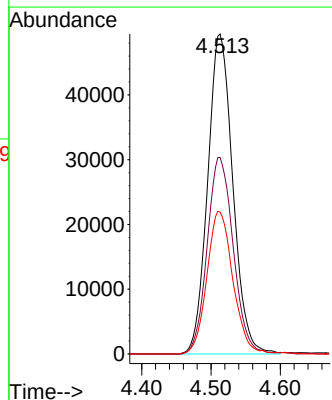
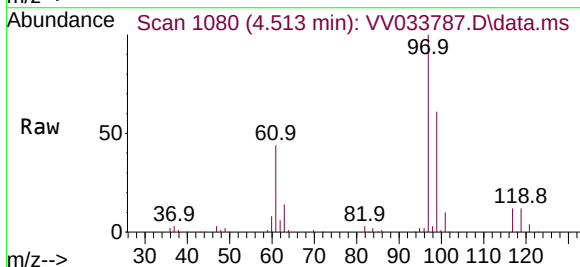
Instrument :
MSVOA_V
ClientSampleId :

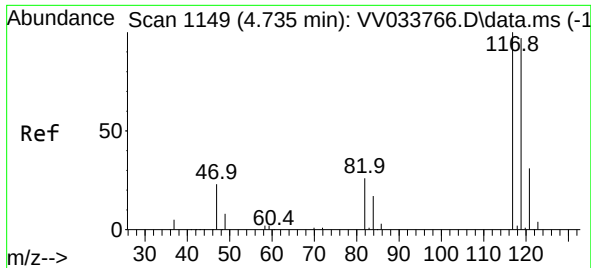
Tgt Ion:	56	Resp:	122048
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.8	35.6
84	83.5	63.8	95.6



#30
1,1,1-Trichloroethane
Concen: 49.778 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

Tgt Ion:	97	Resp:	124738
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.0
61	45.6	38.2	57.2

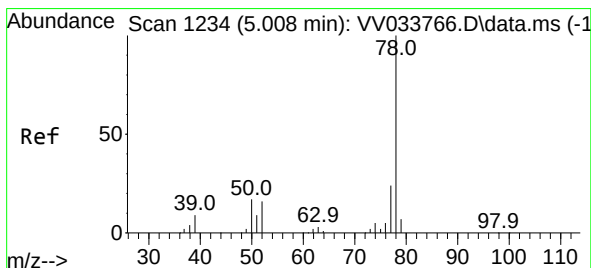
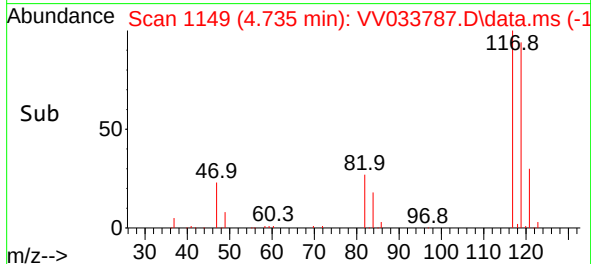
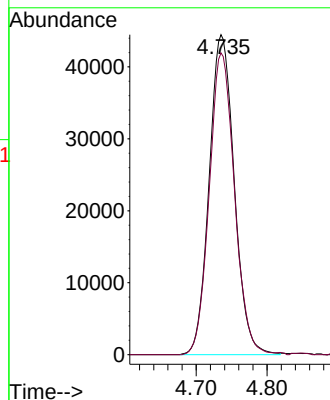
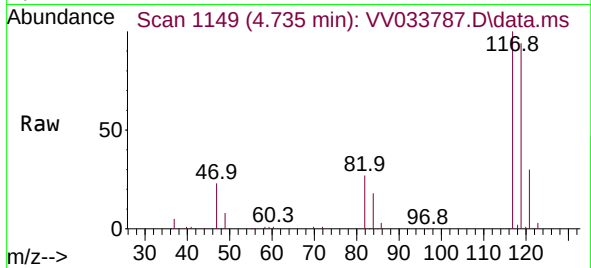




#31
Carbon tetrachloride
Concen: 51.126 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

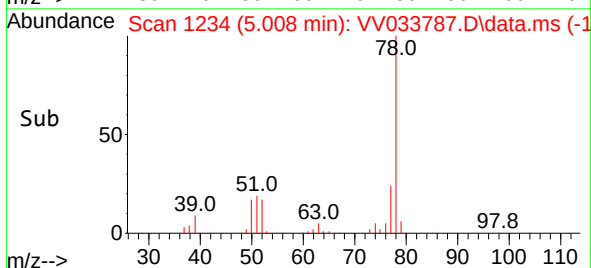
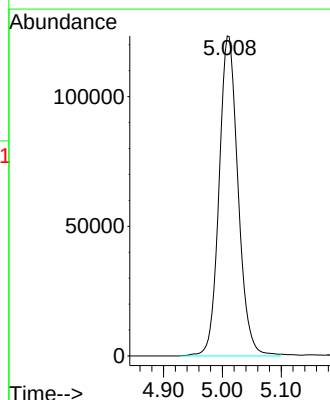
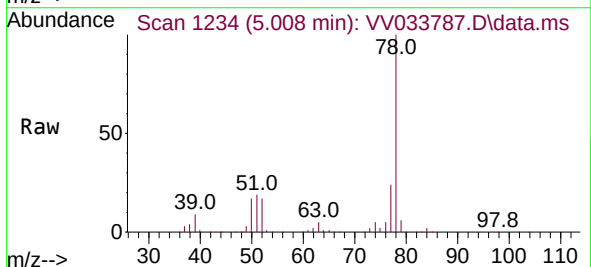
Instrument :
MSVOA_V
ClientSampleId :

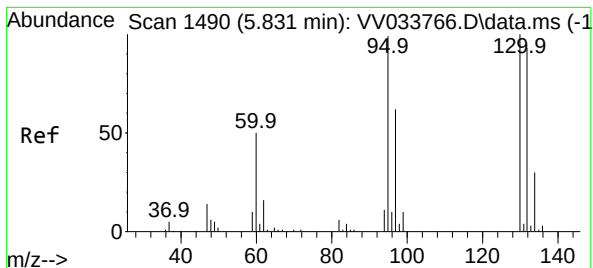
Tgt Ion:117 Resp: 109354
Ion Ratio Lower Upper
117 100
119 94.7 77.0 115.4



#33
Benzene
Concen: 45.161 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

Tgt Ion: 78 Resp: 276978





#34

Trichloroethene

Concen: 44.642 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 73444

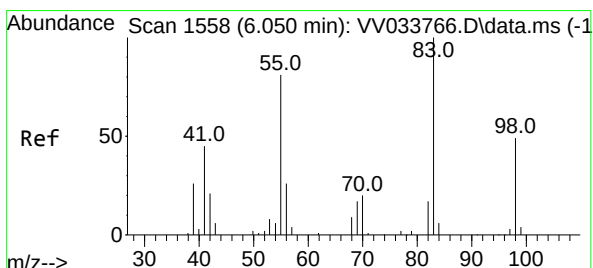
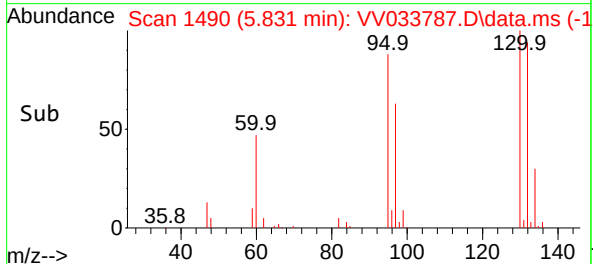
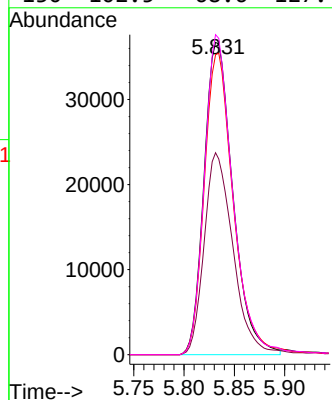
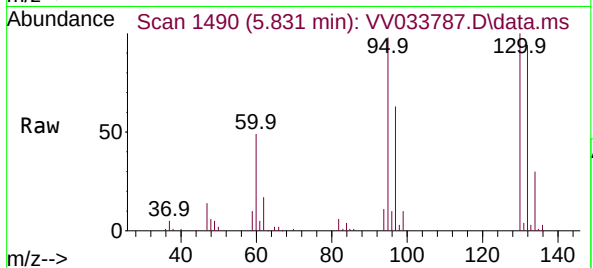
Ion Ratio Lower Upper

95 100

97 64.7 44.4 82.4

132 96.0 65.5 121.7

130 102.5 68.6 127.4



#35

Methylcyclohexane

Concen: 42.714 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

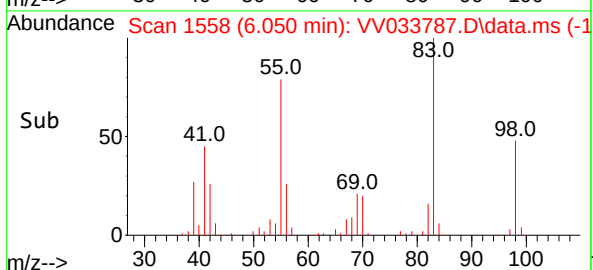
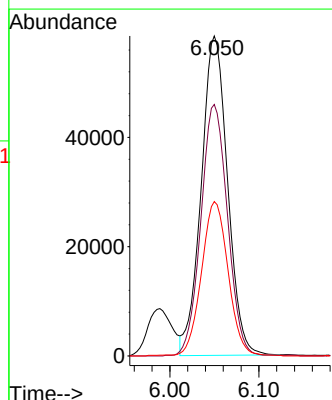
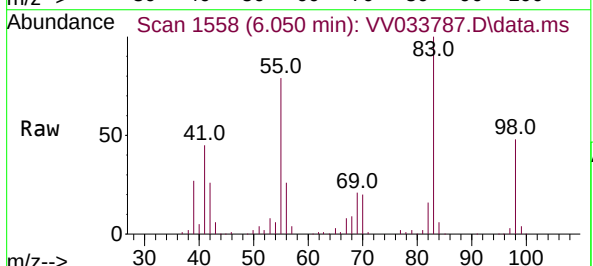
Tgt Ion: 83 Resp: 120262

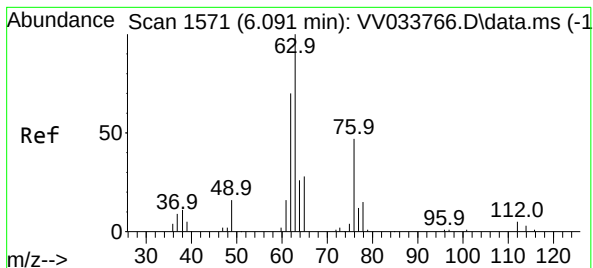
Ion Ratio Lower Upper

83 100

55 79.6 67.1 100.7

98 49.0 37.7 56.5





#37

1,2-Dichloropropane

Concen: 44.562 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

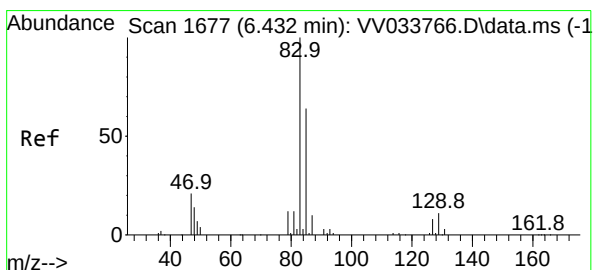
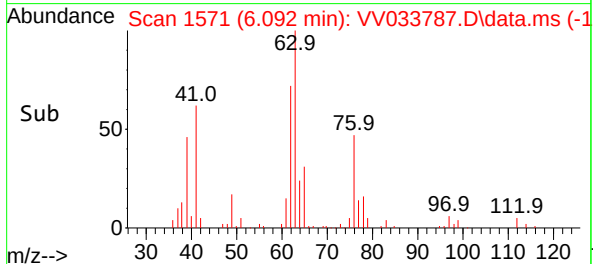
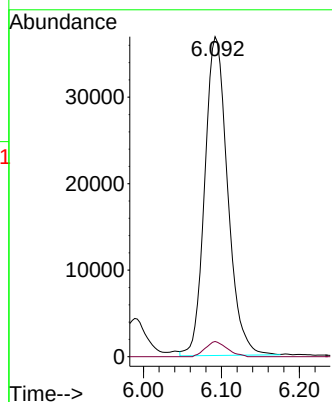
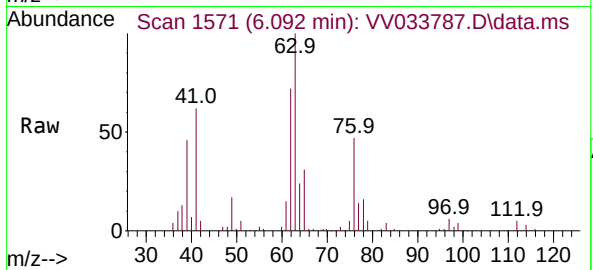
ClientSampleId :

Tgt Ion: 63 Resp: 75207

Ion Ratio Lower Upper

63 100

112 4.5 3.1 4.7



#38

Bromodichloromethane

Concen: 46.266 ug/L

RT: 6.433 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

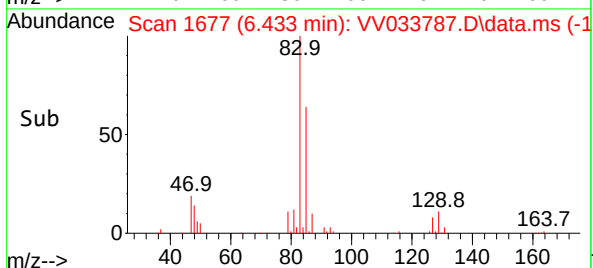
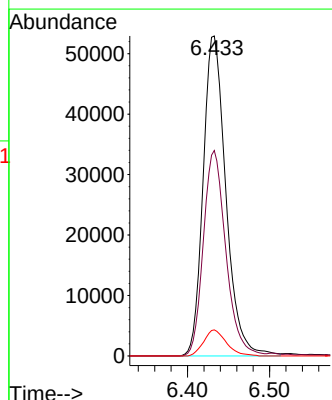
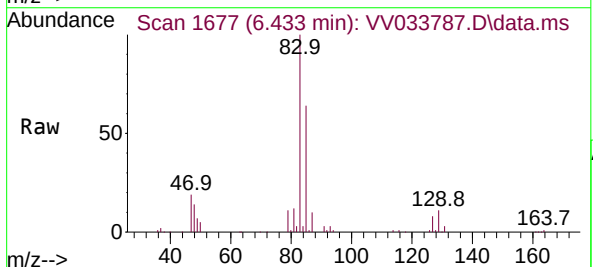
Tgt Ion: 83 Resp: 102149

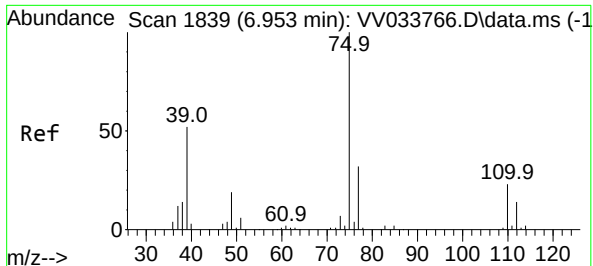
Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7

127 8.1 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 42.897 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

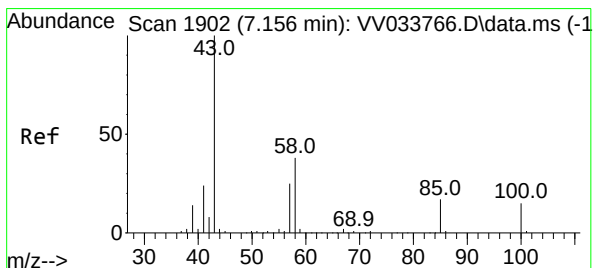
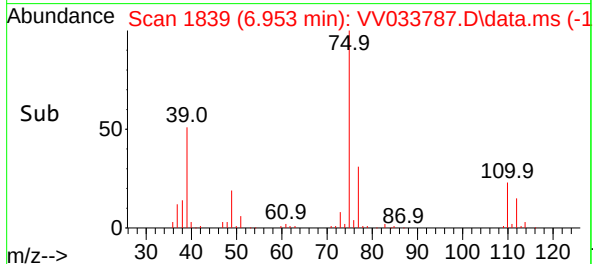
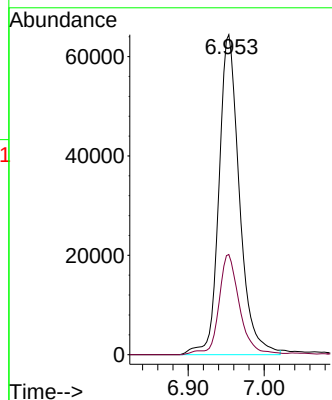
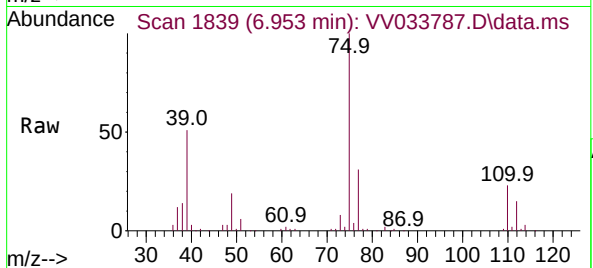
ClientSampleId :

Tgt Ion: 75 Resp: 120899

Ion Ratio Lower Upper

75 100

77 31.3 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 79.597 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. -0.003 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

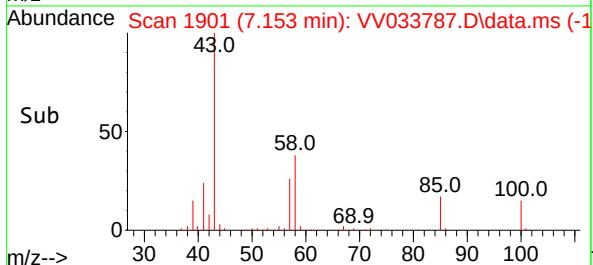
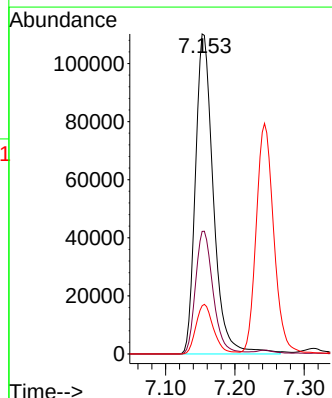
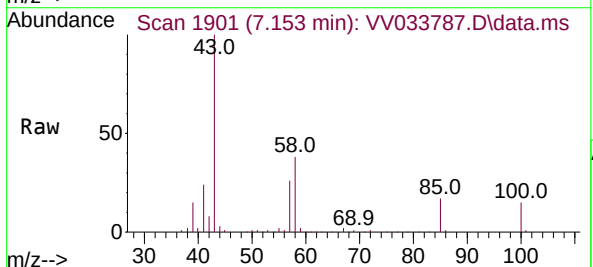
Tgt Ion: 43 Resp: 199051

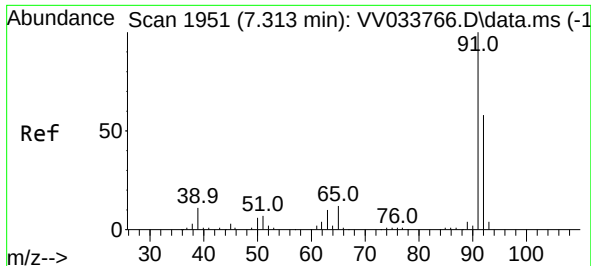
Ion Ratio Lower Upper

43 100

58 37.6 29.6 44.4

100 15.2 10.6 16.0





#42

Toluene

Concen: 45.981 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

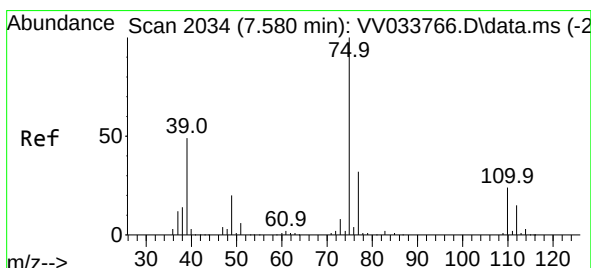
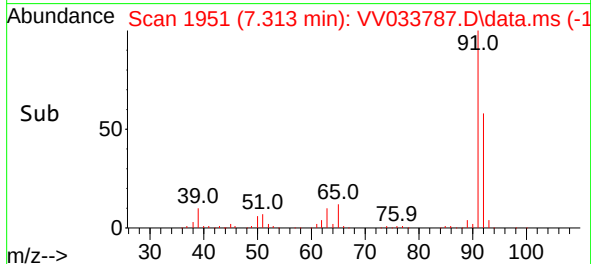
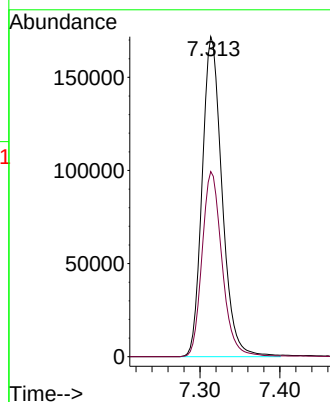
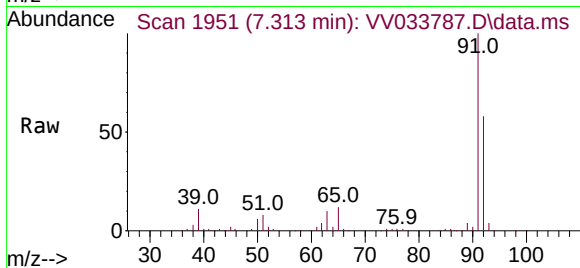
ClientSampleId :

Tgt Ion: 91 Resp: 298106

Ion Ratio Lower Upper

91 100

92 57.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 43.045 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033787.D

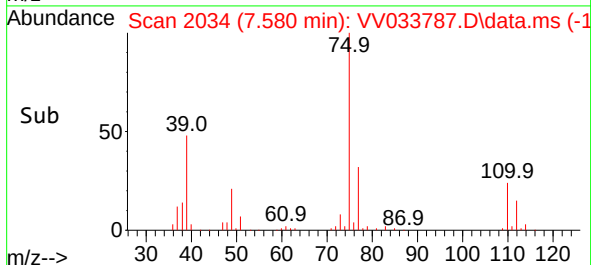
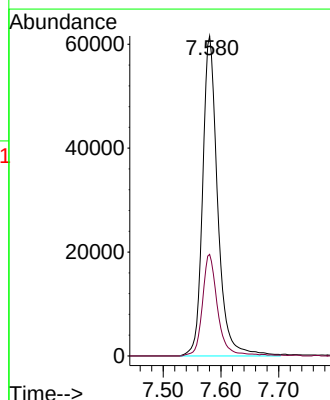
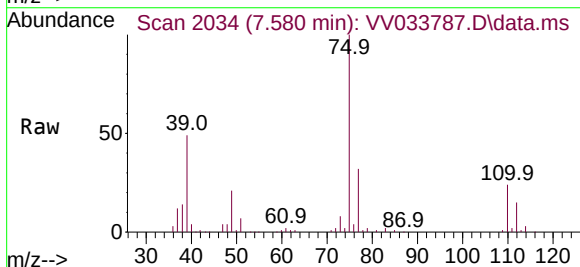
Acq: 20 Jan 2024 05:08

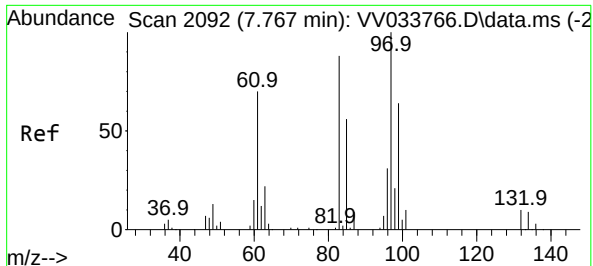
Tgt Ion: 75 Resp: 111794

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 45.409 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 69535

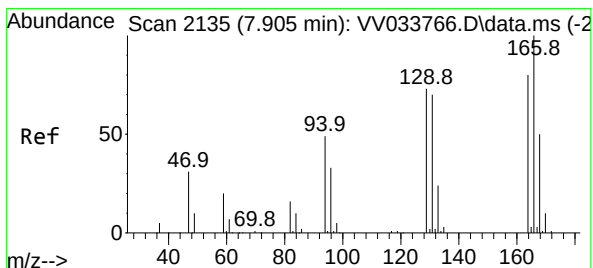
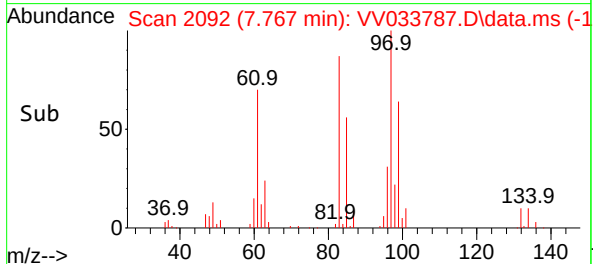
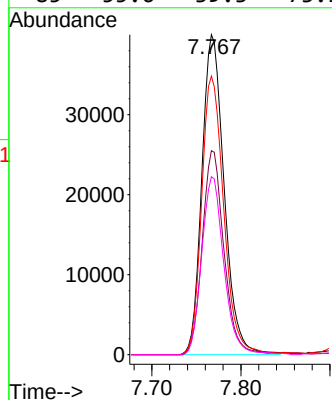
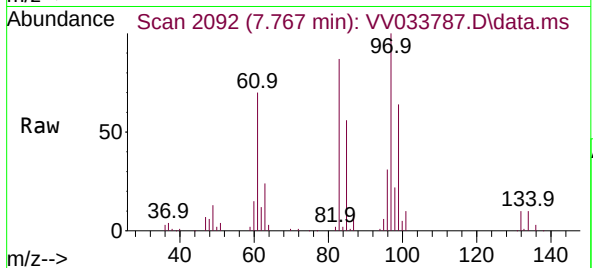
Ion Ratio Lower Upper

97 100

99 63.8 42.8 79.6

83 87.0 61.2 113.8

85 55.6 39.3 73.1



#46

Tetrachloroethene

Concen: 48.284 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Tgt Ion:164 Resp: 58265

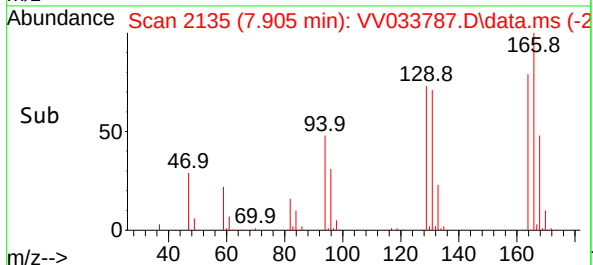
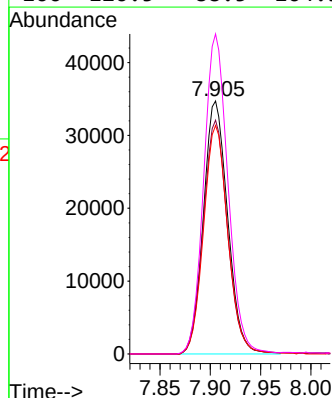
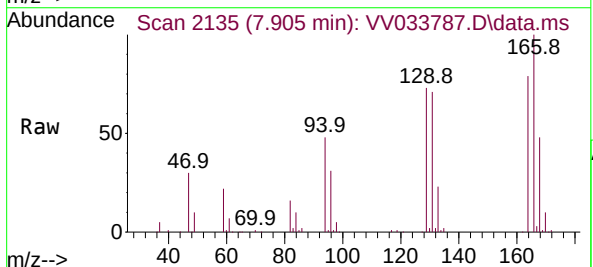
Ion Ratio Lower Upper

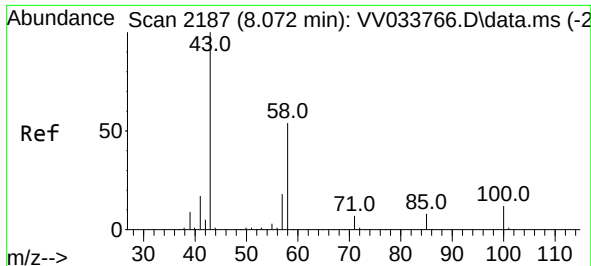
164 100

129 92.4 66.1 122.7

131 90.3 65.9 122.5

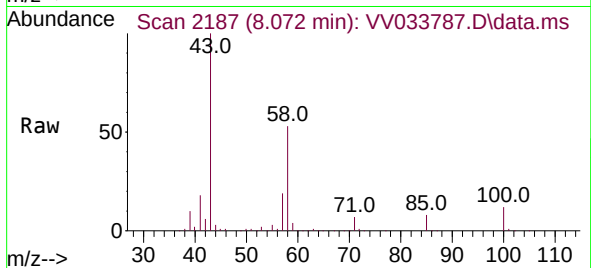
166 126.5 88.5 164.3



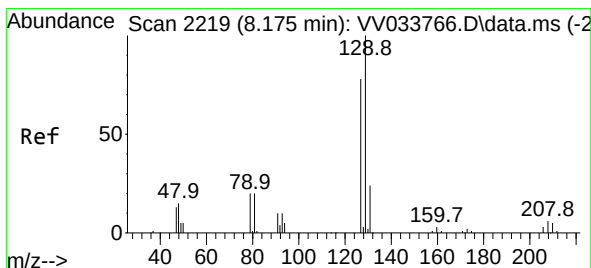
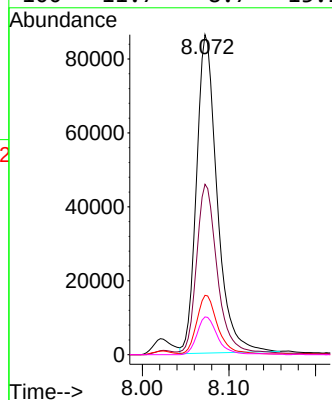
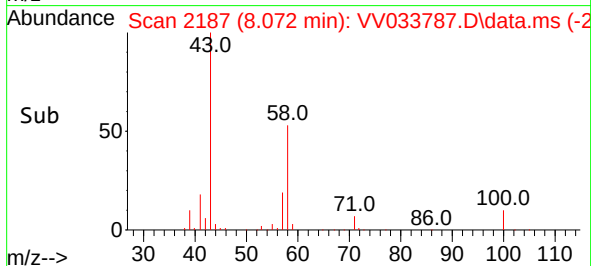


#48
2-Hexanone
Concen: 71.463 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

Instrument :
MSVOA_V
ClientSampleId :

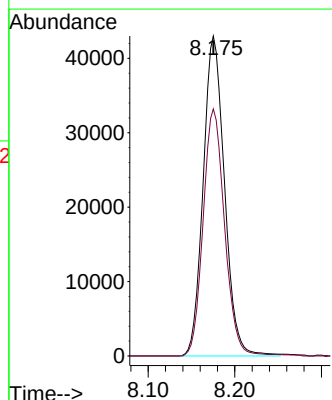
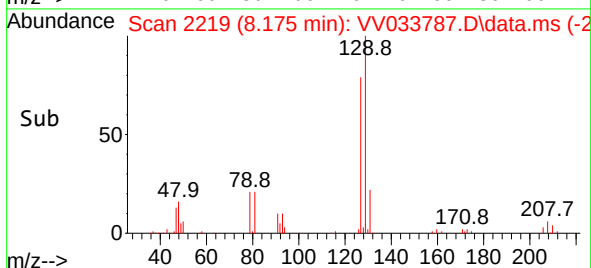
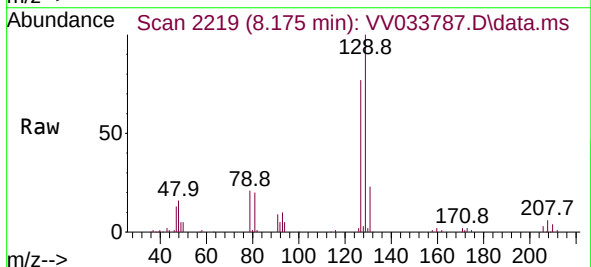


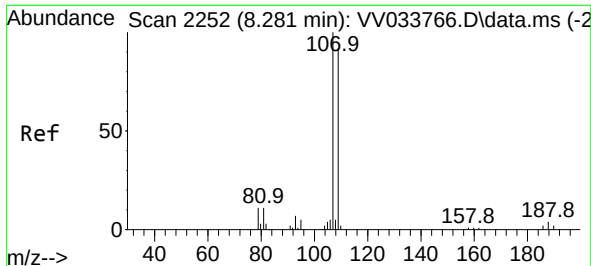
Tgt Ion: 43 Resp: 142399
Ion Ratio Lower Upper
43 100
58 53.7 42.3 63.5
57 18.8 14.2 21.2
100 11.7 8.7 13.1



#49
Dibromochloromethane
Concen: 46.132 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

Tgt Ion: 129 Resp: 73574
Ion Ratio Lower Upper
129 100
127 77.2 54.5 101.3





#50

1,2-Dibromoethane

Concen: 45.386 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

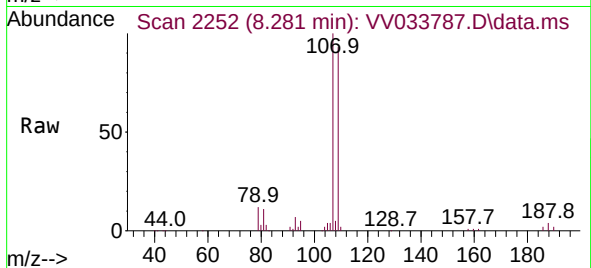
Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

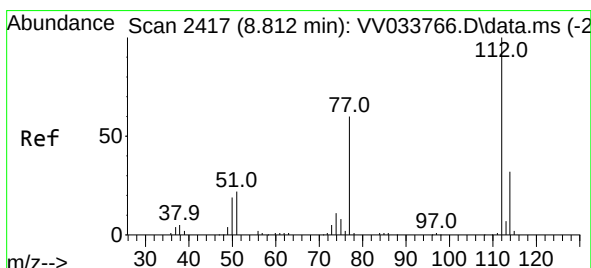
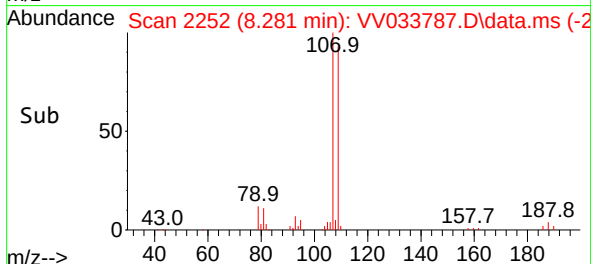
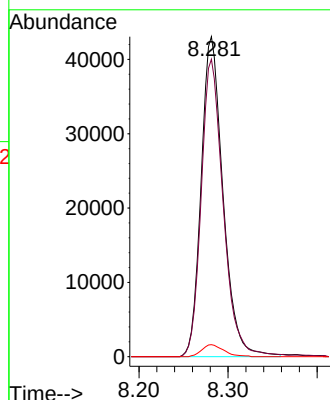
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	73447
Ion	Ratio	Lower	Upper
107	100		
109	92.9	66.4	123.4
188	3.8	2.7	4.1



#51

Chlorobenzene

Concen: 46.377 ug/L

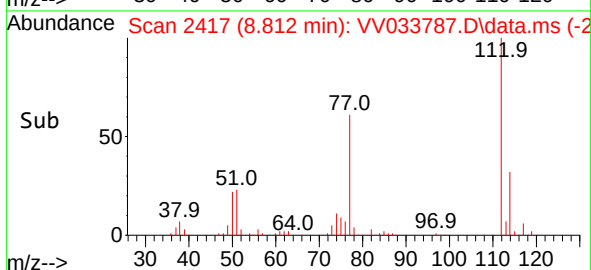
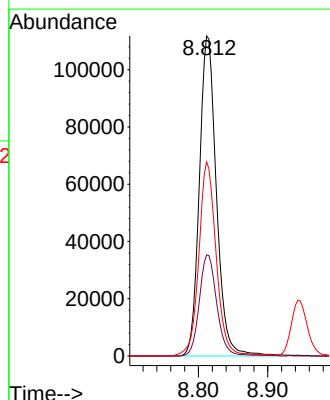
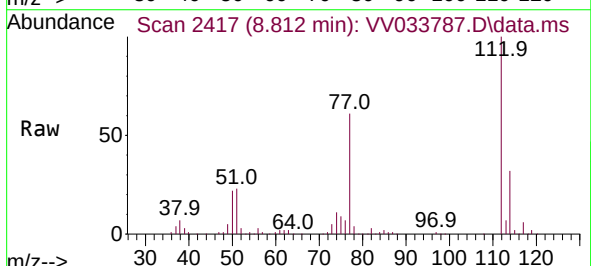
RT: 8.812 min Scan# 2417

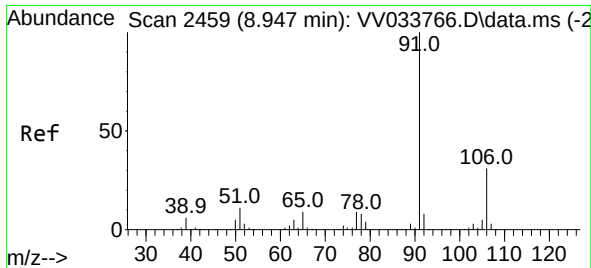
Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Tgt Ion:	112	Resp:	191528
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.5	41.7
77	60.6	49.4	74.0

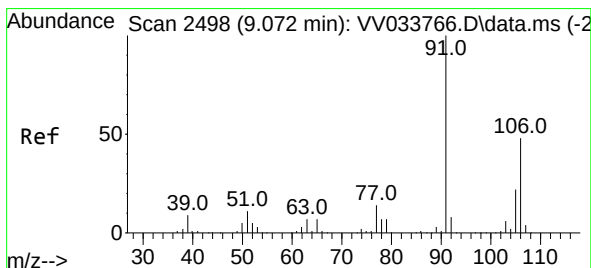
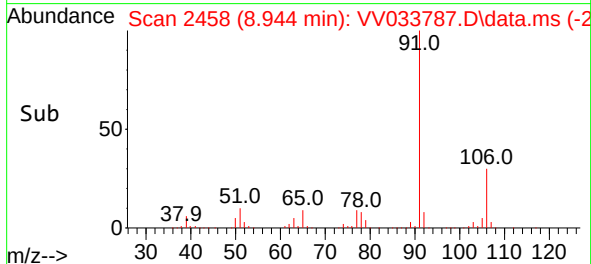
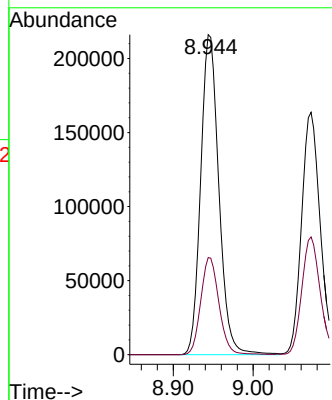
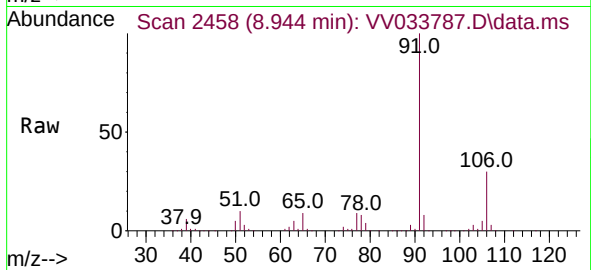




#52
Ethylbenzene
Concen: 45.596 ug/L
RT: 8.944 min Scan# 2459
Delta R.T. -0.003 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

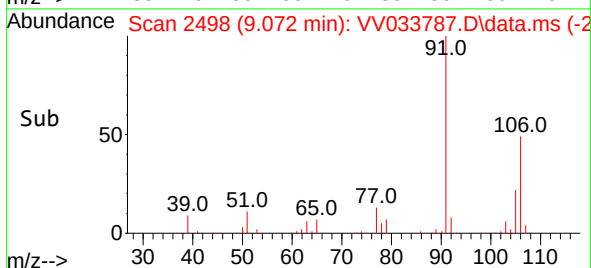
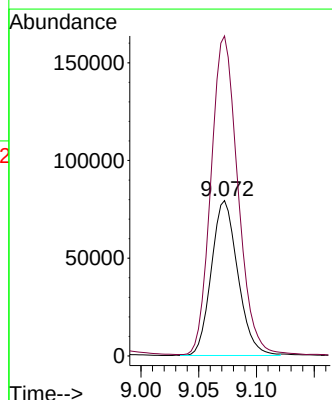
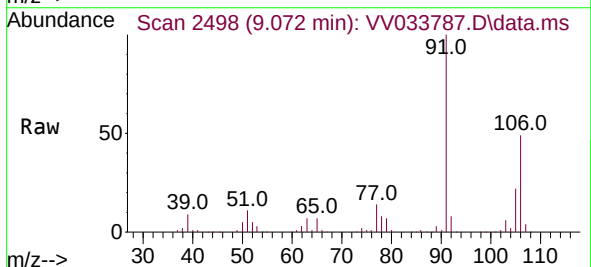
Instrument :
MSVOA_V
ClientSampleId :

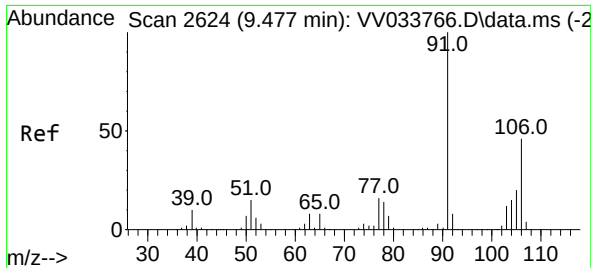
Tgt Ion: 91 Resp: 342392
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9



#53
m,p-Xylene
Concen: 45.613 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

Tgt Ion:106 Resp: 126452
Ion Ratio Lower Upper
106 100
91 205.9 146.1 271.3

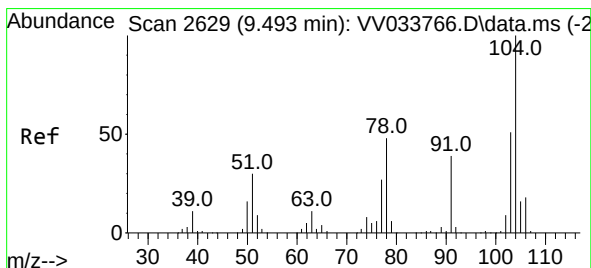
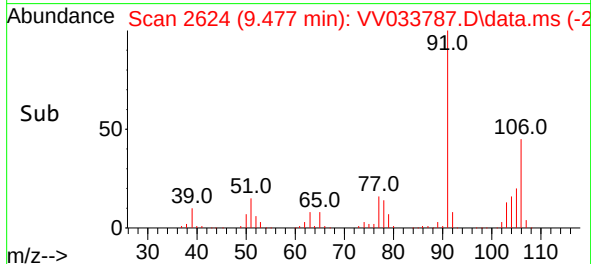
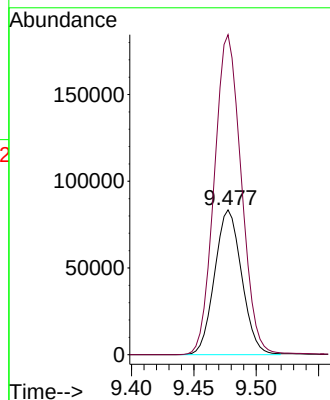
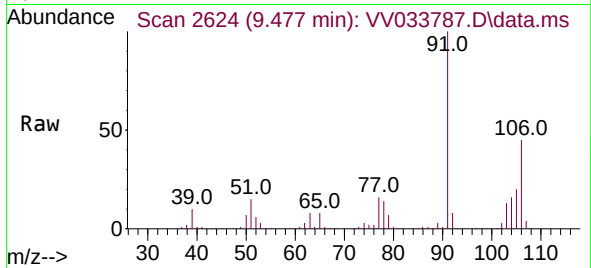




#54
o-Xylene
Concen: 46.058 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

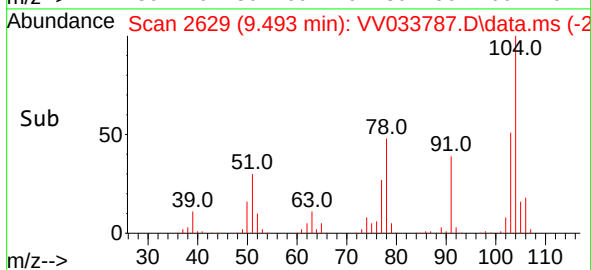
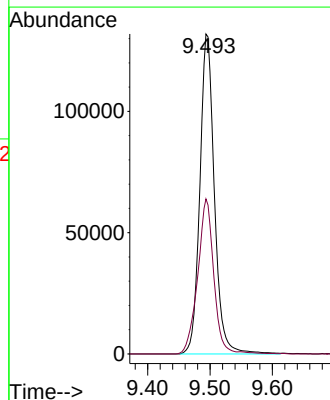
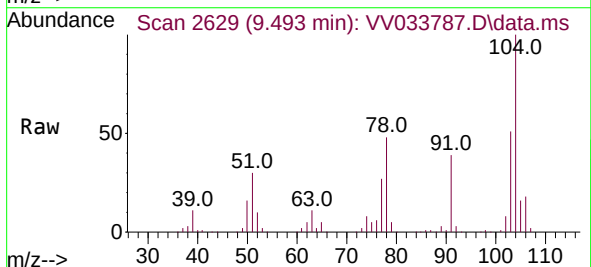
Instrument :
MSVOA_V
ClientSampleId :

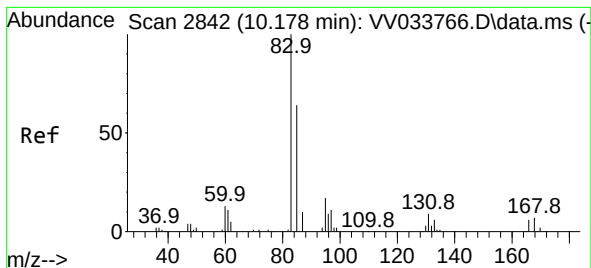
Tgt Ion:106 Resp: 126408
Ion Ratio Lower Upper
106 100
91 220.9 155.2 288.2



#55
Styrene
Concen: 45.238 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV033787.D
Acq: 20 Jan 2024 05:08

Tgt Ion:104 Resp: 214357
Ion Ratio Lower Upper
104 100
78 48.5 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 43.648 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.003 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

ClientSampleId :

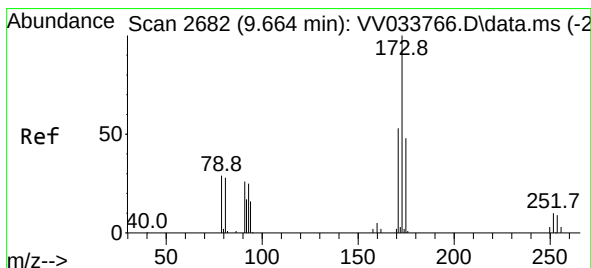
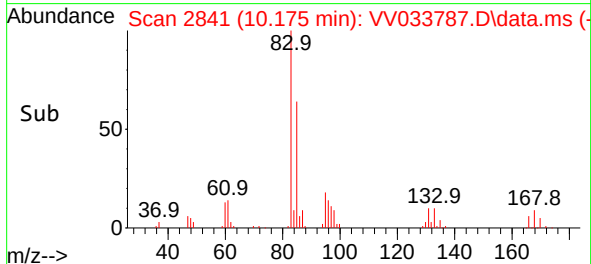
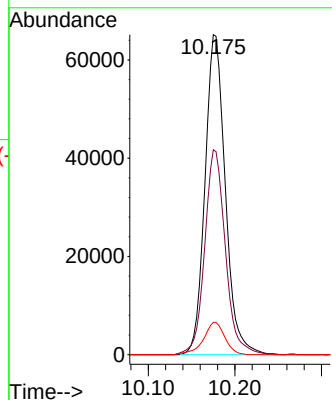
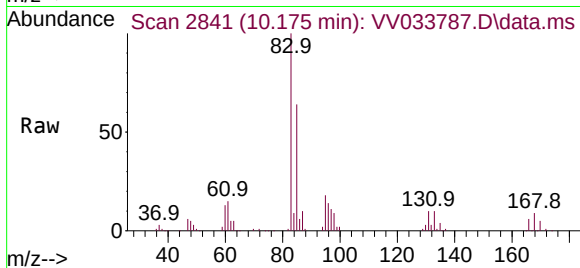
Tgt Ion: 83 Resp: 106372

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.5

131 10.1 7.5 11.3



#59

Bromoform

Concen: 44.408 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

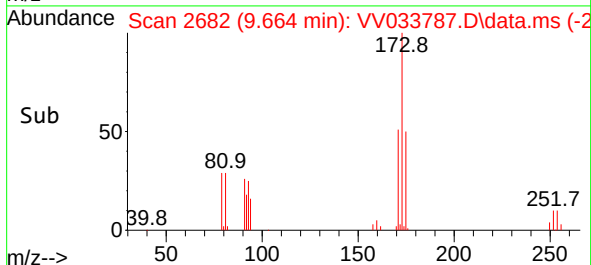
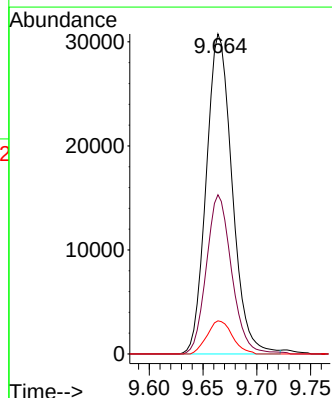
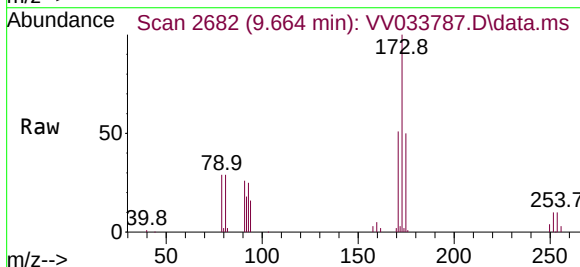
Tgt Ion: 173 Resp: 51600

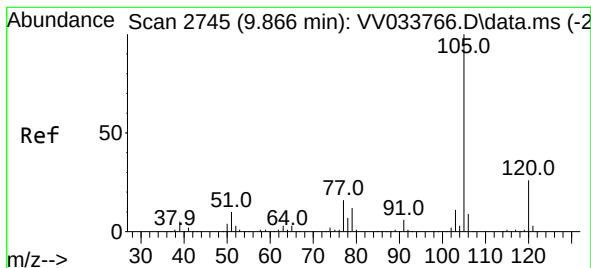
Ion Ratio Lower Upper

173 100

175 48.6 37.2 55.8

254 10.1 7.4 11.0





#60

Isopropylbenzene

Concen: 46.806 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

ClientSampleId :

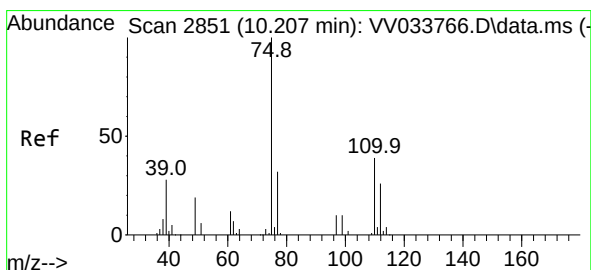
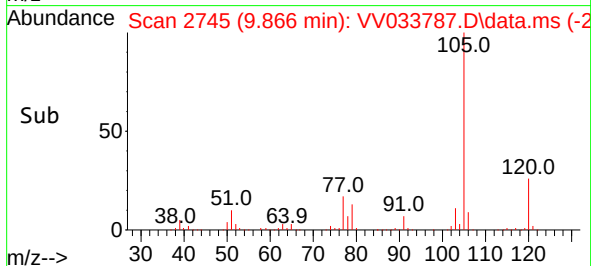
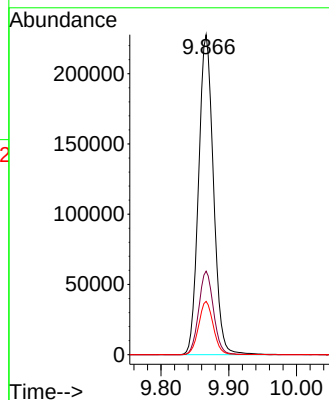
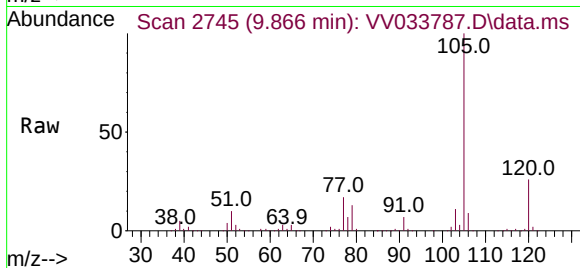
Tgt Ion:105 Resp: 346219

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

77 16.5 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 43.454 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

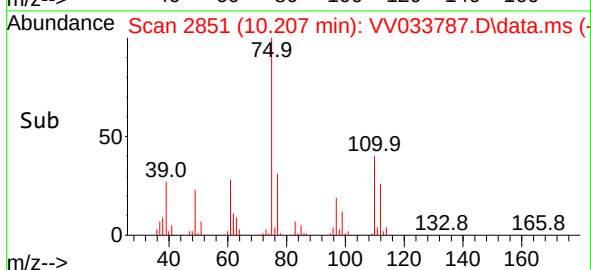
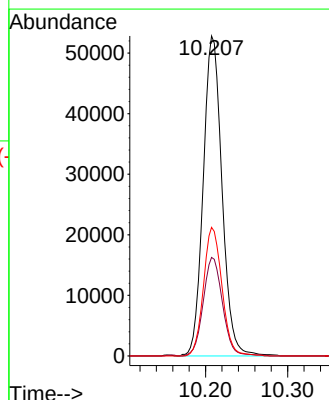
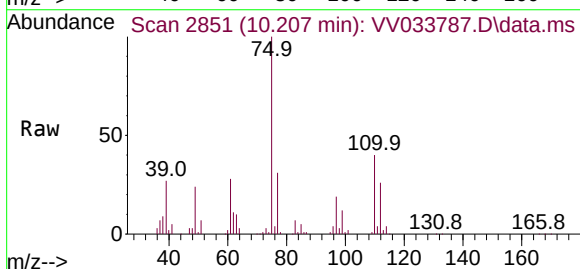
Tgt Ion: 75 Resp: 84313

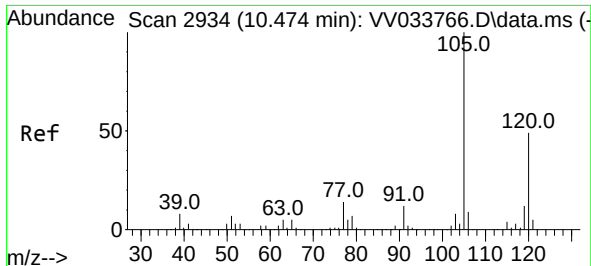
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

110 39.5 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 46.124 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

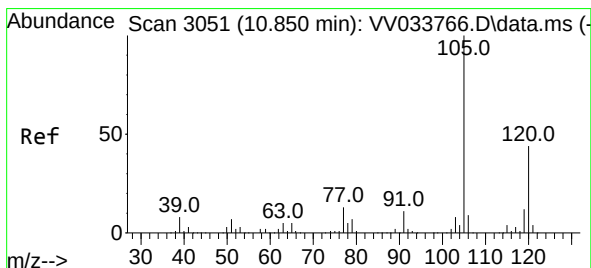
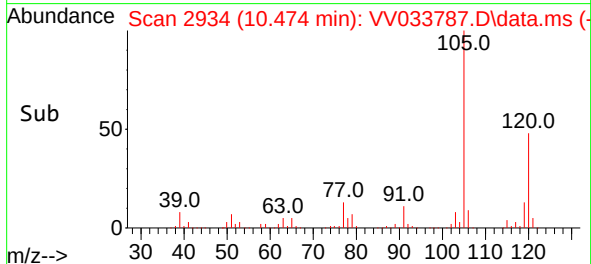
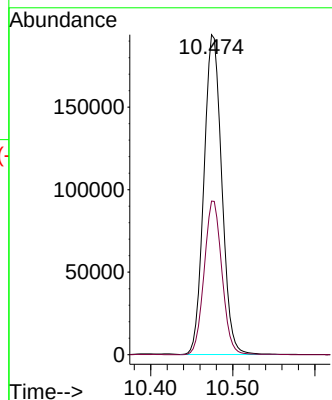
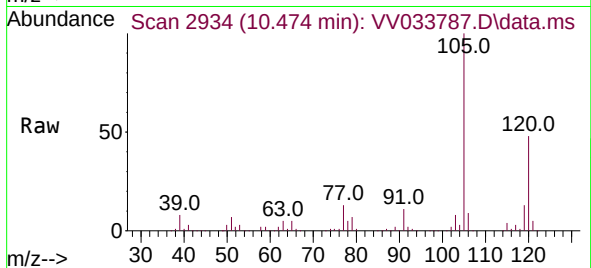
ClientSampleId :

Tgt Ion:105 Resp: 292733

Ion Ratio Lower Upper

105 100

120 47.8 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 46.443 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033787.D

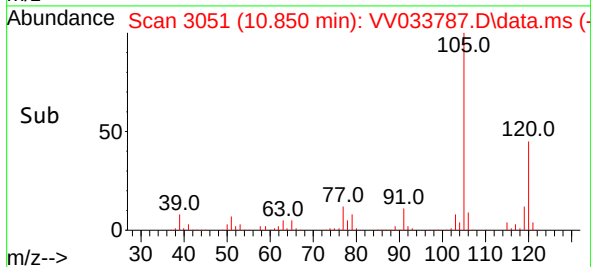
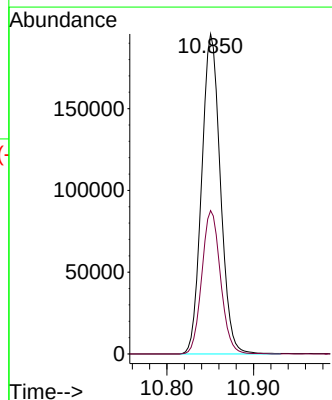
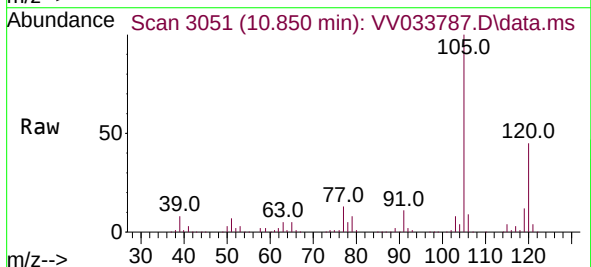
Acq: 20 Jan 2024 05:08

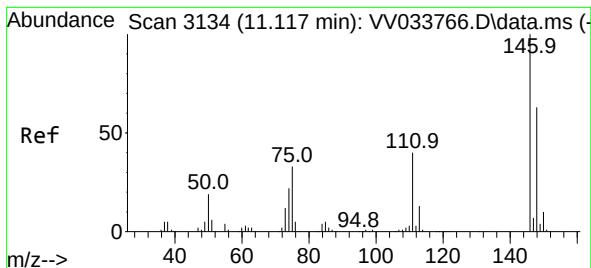
Tgt Ion:105 Resp: 293694

Ion Ratio Lower Upper

105 100

120 44.7 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 45.942 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

ClientSampleId :

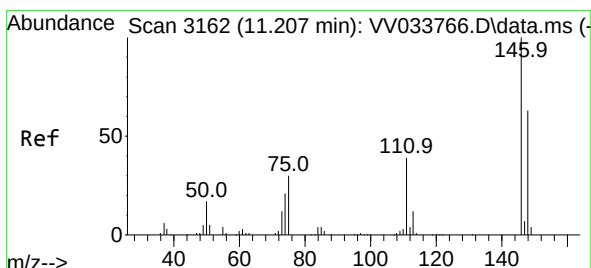
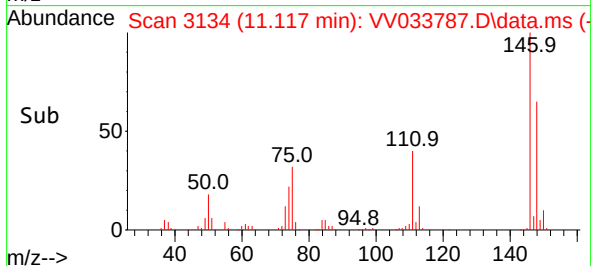
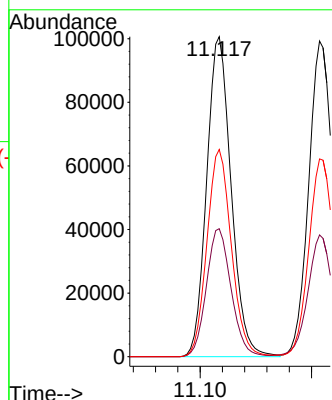
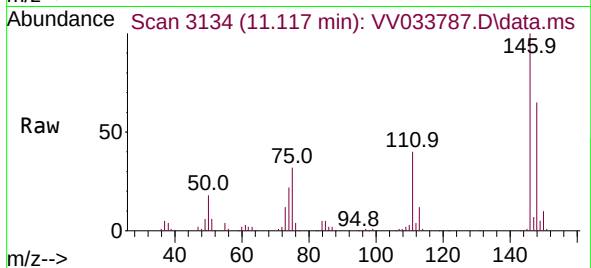
Tgt Ion:146 Resp: 153500

Ion Ratio Lower Upper

146 100

111 40.0 29.0 53.8

148 64.7 43.9 81.5



#65

1,4-Dichlorobenzene

Concen: 46.168 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

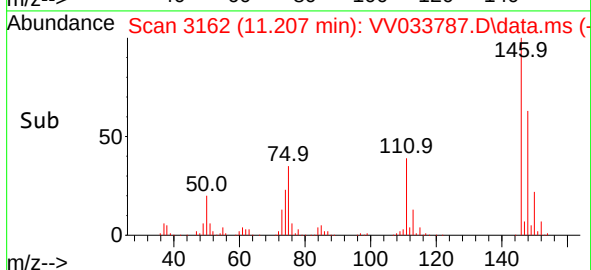
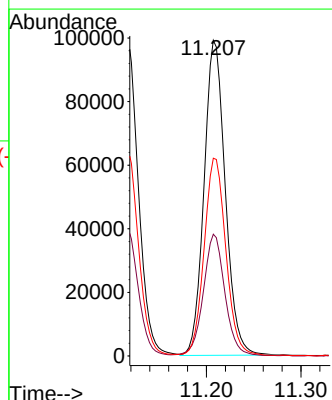
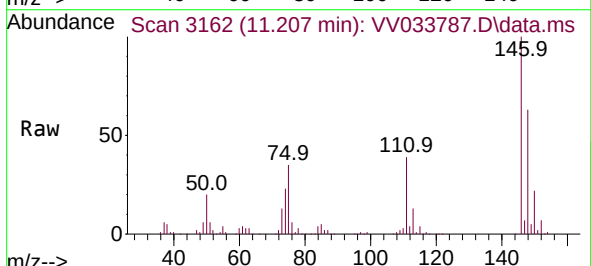
Tgt Ion:146 Resp: 154670

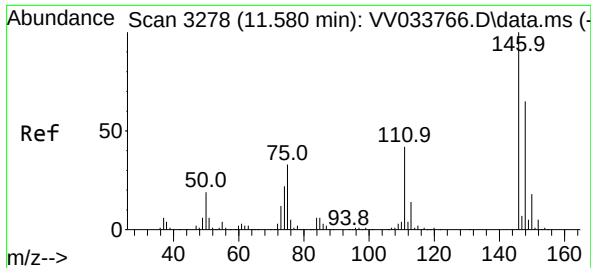
Ion Ratio Lower Upper

146 100

111 38.6 27.7 51.5

148 62.6 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 47.305 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

ClientSampleId :

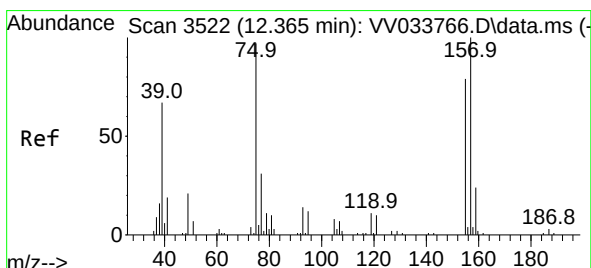
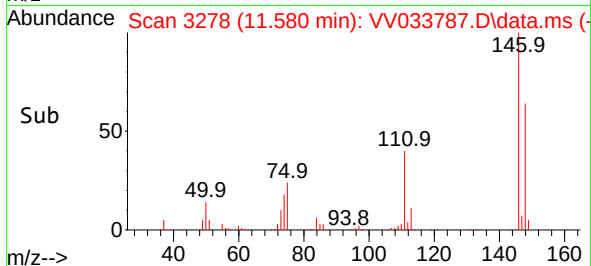
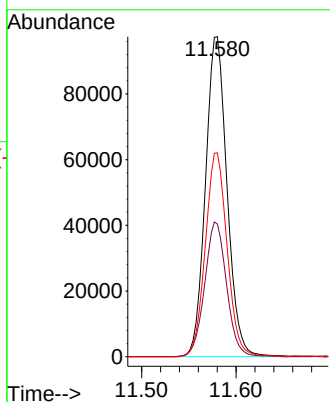
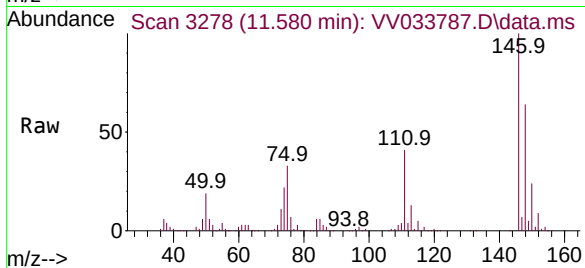
Tgt Ion:146 Resp: 154436

Ion Ratio Lower Upper

146 100

111 41.4 35.4 53.0

148 63.7 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 40.595 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

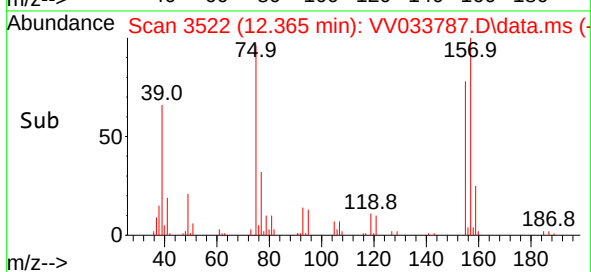
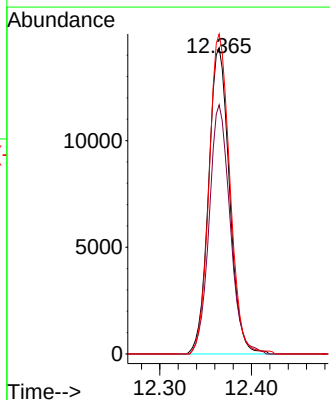
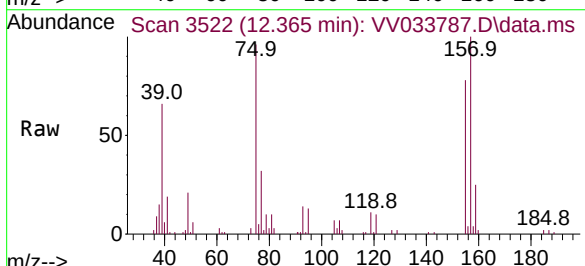
Tgt Ion: 75 Resp: 22729

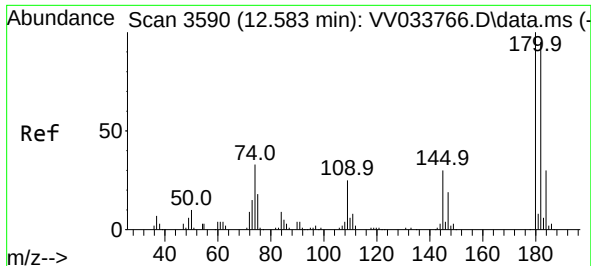
Ion Ratio Lower Upper

75 100

155 81.4 61.6 92.4

157 104.5 79.2 118.8





#69

1,3,5-Trichlorobenzene

Concen: 46.222 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

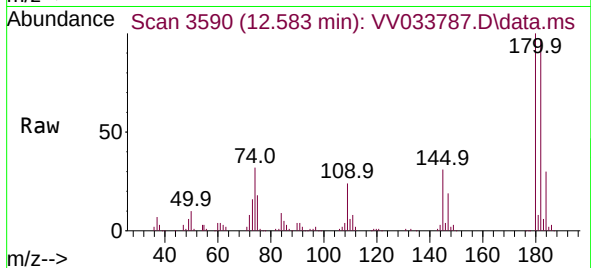
Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 114121

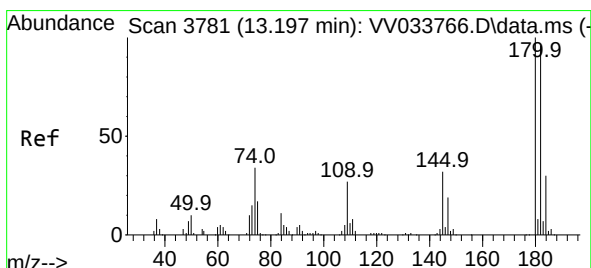
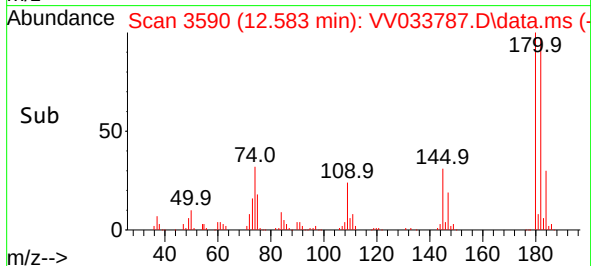
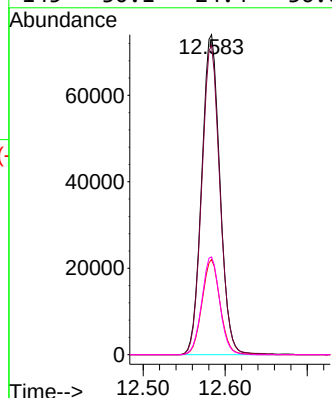
Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.2

184 29.5 23.9 35.9

145 30.1 24.4 36.6



#70

1,2,4-trichlorobenzene

Concen: 45.961 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

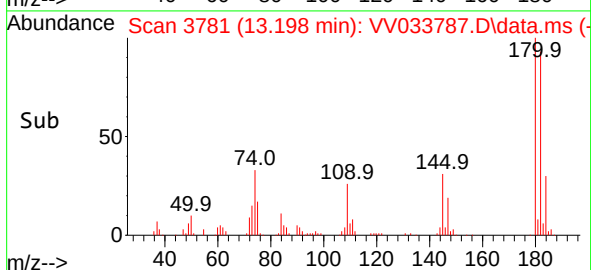
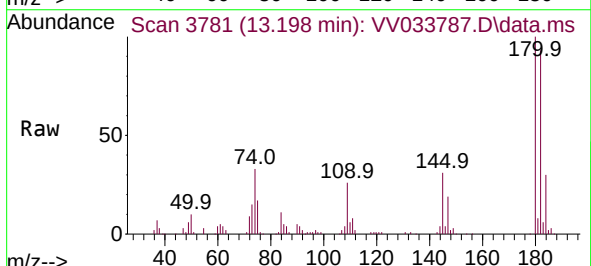
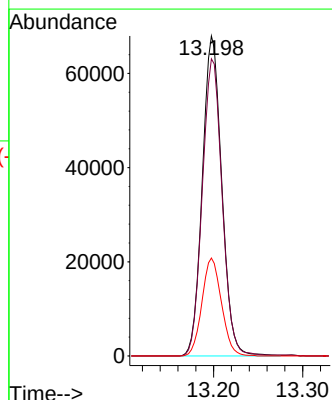
Tgt Ion:180 Resp: 102996

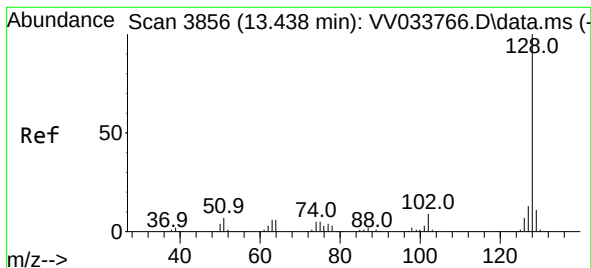
Ion Ratio Lower Upper

180 100

182 94.6 76.3 114.5

145 30.6 25.4 38.0





#71

Naphthalene

Concen: 44.388 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Instrument :

MSVOA_V

ClientSampleId :

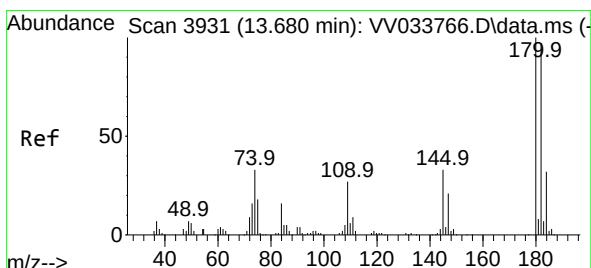
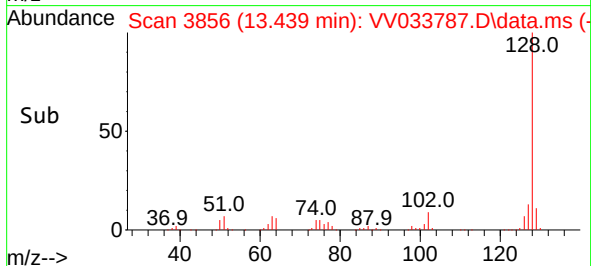
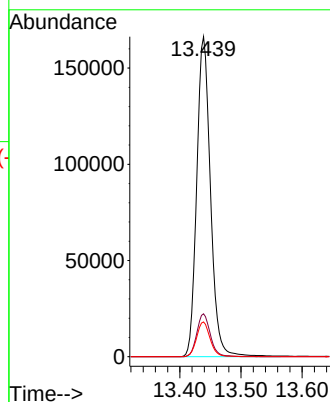
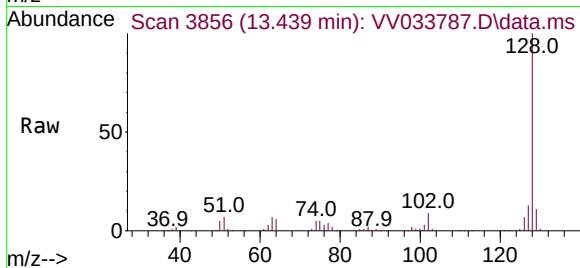
Tgt Ion:128 Resp: 259926

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.6 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 47.561 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033787.D

Acq: 20 Jan 2024 05:08

Tgt Ion:180 Resp: 99482

Ion Ratio Lower Upper

180 100

182 96.0 76.0 114.0

145 32.8 26.3 39.5

