

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050124\
 Data File : VV035509.D
 Acq On : 01 May 2024 20:10
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 02 01:31:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 02 01:07:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	516866	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	508708	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	275378	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	177840	44.624	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.240%		
7) Chloroethane-d5	1.529	69	145195	49.438	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.880%		
11) 1,1-Dichloroethene-d2	2.057	65	77679	45.406	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.820%		
21) 2-Butanone-d5	3.790	46	259432	96.455	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.450%		
24) Chloroform-d	4.246	84	349417	47.799	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.600%		
26) 1,2-Dichloroethane-d4	4.937	65	204442	47.490	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.980%		
32) Benzene-d6	4.957	84	682758	47.682	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.360%		
36) 1,2-Dichloropropane-d6	5.986	67	208857	46.781	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.560%		
41) Toluene-d8	7.240	98	637127	48.883	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.760%		
43) trans-1,3-Dichloroprop...	7.551	79	102881	47.281	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.560%		
47) 2-Hexanone-d5	8.024	63	202043	98.479	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.480%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	323713	47.584	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.160%		
66) 1,2-Dichlorobenzene-d4	11.558	152	252067	46.072	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	162453	46.916	ug/L	100
3) Chloromethane	1.214	50	169583	45.208	ug/L	98
5) Vinyl chloride	1.282	62	185577	46.977	ug/L	100
6) Bromomethane	1.484	94	120346	47.914	ug/L	98
8) Chloroethane	1.545	64	119512	52.618	ug/L	98
9) Trichlorofluoromethane	1.709	101	254943	47.970	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	158893	47.168	ug/L	98
12) 1,1-Dichloroethene	2.066	96	142148	47.241	ug/L	90
13) Acetone	2.121	43	190513	76.510	ug/L	100
14) Carbon disulfide	2.237	76	363449	45.979	ug/L	99
15) Methyl Acetate	2.375	43	194066	48.045	ug/L	100
16) Methylene chloride	2.446	84	180146	47.249	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	155447	48.875	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	549833	49.157	ug/L	100
19) 1,1-Dichloroethane	3.108	63	320472	47.986	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	184474	48.767	ug/L	99
22) 2-Butanone	3.870	43	265257	89.987	ug/L	98
23) Bromochloromethane	4.146	128	100096	48.383	ug/L	99
25) Chloroform	4.272	83	333813	48.426	ug/L	100

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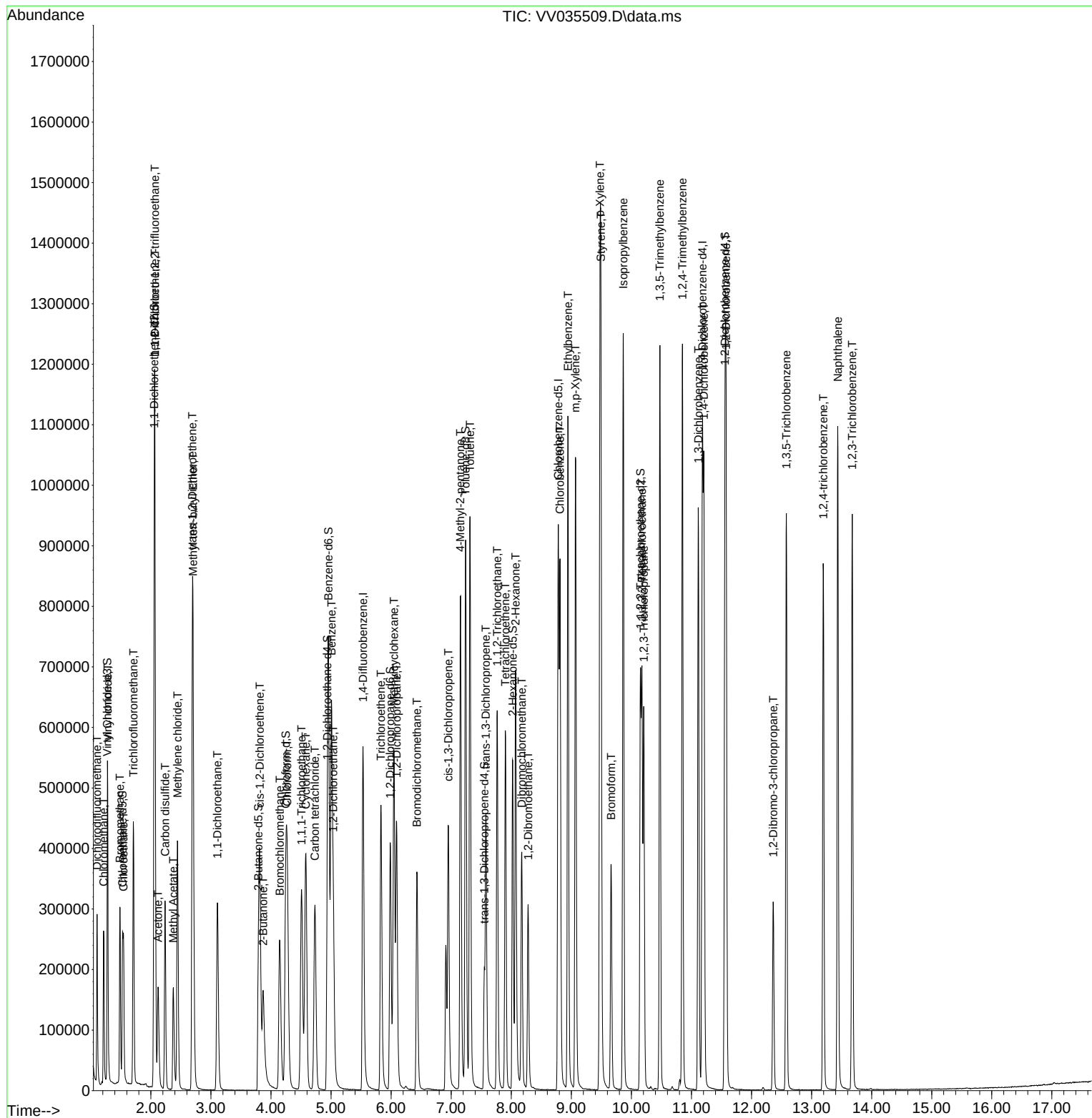
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	246842	50.036	ug/L	100
29) Cyclohexane	4.581	56	219443	48.315	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	284537	48.874	ug/L	98
31) Carbon tetrachloride	4.732	117	243442	48.361	ug/L	99
33) Benzene	5.008	78	671383	48.874	ug/L	100
34) Trichloroethene	5.831	95	177498	48.555	ug/L	99
35) Methylcyclohexane	6.047	83	245598	47.624	ug/L	99
37) 1,2-Dichloropropane	6.092	63	183274	48.559	ug/L	98
38) Bromodichloromethane	6.429	83	255290	49.165	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	295093	49.806	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	515561	102.333	ug/L	99
42) Toluene	7.314	91	722184	50.111	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	282915	50.271	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	199548	49.435	ug/L	99
46) Tetrachloroethene	7.902	164	140975	47.746	ug/L	99
48) 2-Hexanone	8.072	43	408617	99.681	ug/L	99
49) Dibromochloromethane	8.175	129	204767	48.462	ug/L	98
50) 1,2-Dibromoethane	8.281	107	208474	49.433	ug/L	100
51) Chlorobenzene	8.812	112	488765	48.855	ug/L	100
52) Ethylbenzene	8.944	91	784546	50.390	ug/L	99
53) m,p-Xylene	9.069	106	297437	51.497	ug/L	98
54) o-Xylene	9.477	106	292585	50.272	ug/L	99
55) Styrene	9.494	104	534515	53.139	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	334042	48.366	ug/L	99
59) Bromoform	9.664	173	172125	48.325	ug/L	98
60) Isopropylbenzene	9.867	105	802429	50.460	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	260073	47.076	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	646571	50.803	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	653179	51.182	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	398970	48.451	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	410904	47.290	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	413576	48.006	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	79857	49.082	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	303021	48.481	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	279286	50.723	ug/L	99
71) Naphthalene	13.435	128	862550	55.893	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	303557	53.113	ug/L	99

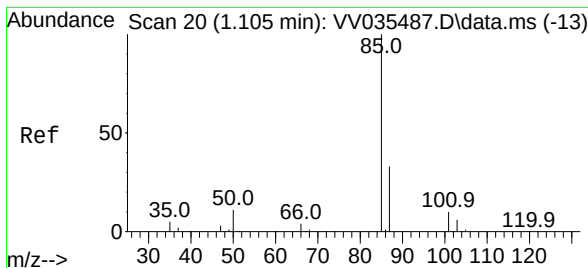
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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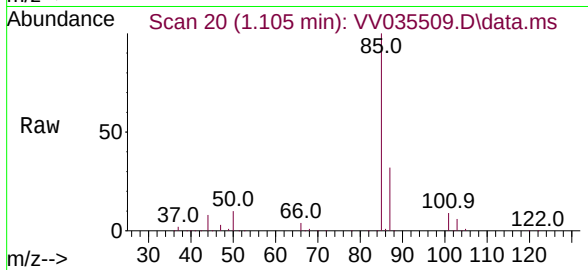
Quant Time: May 02 01:31:48 2024
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QLast Update : Thu May 02 01:07:15 2024
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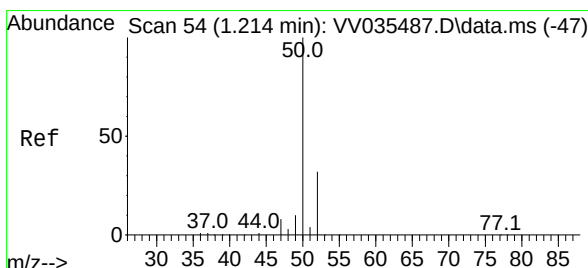
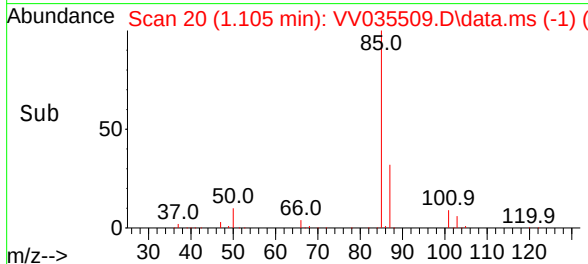
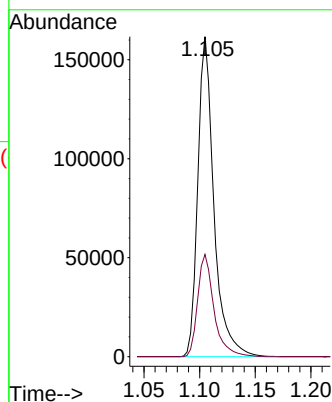


#2
 Dichlorodifluoromethane
 Concen: 46.916 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV035509.D
 Acq: 01 May 2024 20:10

Instrument :
 MSVOA_V
 ClientSampleId :

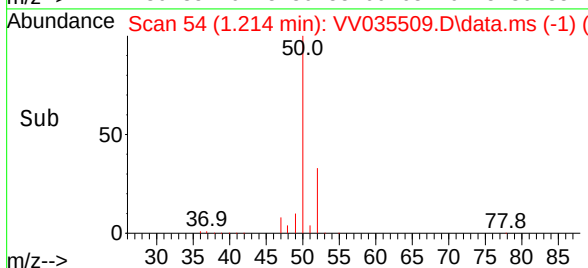
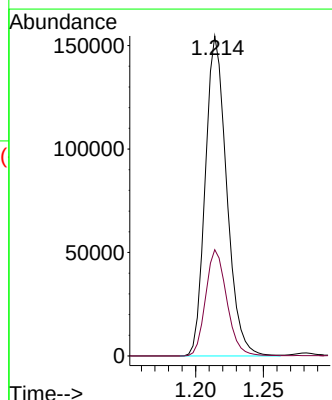
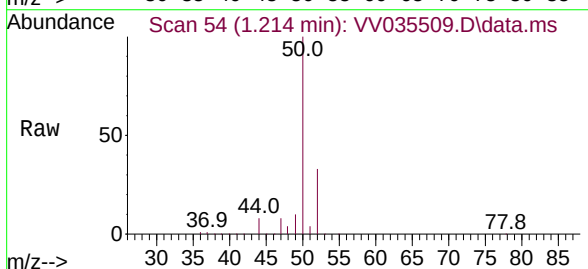


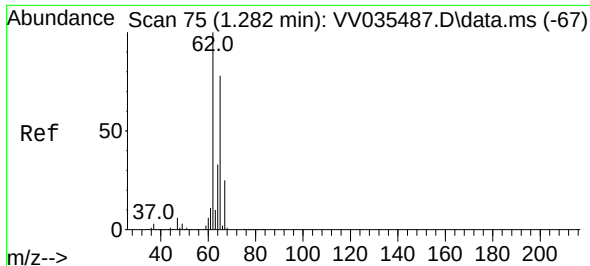
Tgt Ion: 85 Resp: 162453
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.8



#3
 Chloromethane
 Concen: 45.208 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV035509.D
 Acq: 01 May 2024 20:10

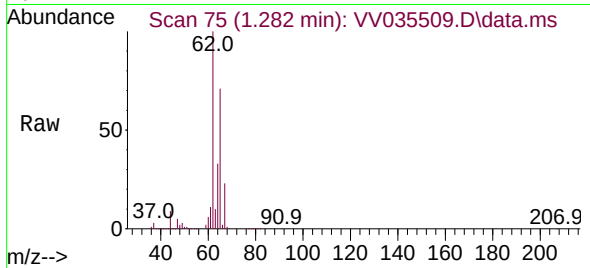
Tgt Ion: 50 Resp: 169583
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.6 42.0



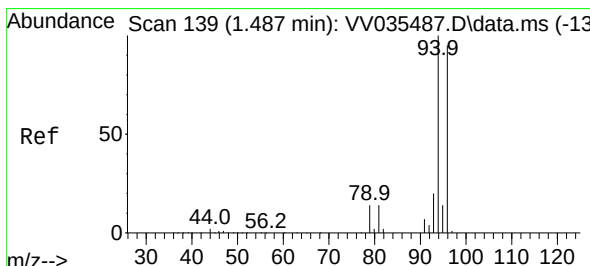
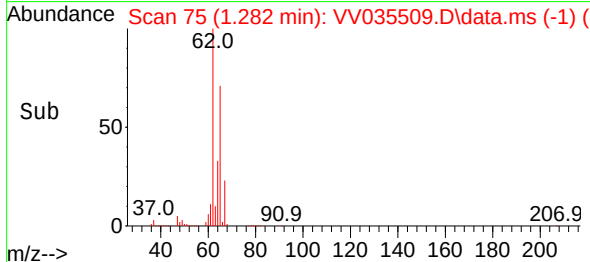
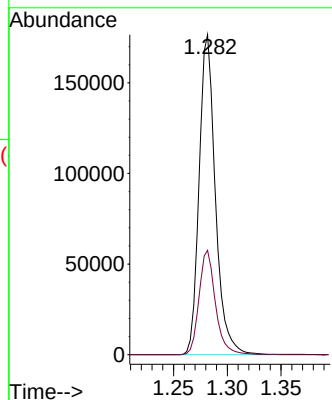


#5
 Vinyl chloride
 Concen: 46.977 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV035509.D
 Acq: 01 May 2024 20:10

Instrument :
 MSVOA_V
 ClientSampleId :

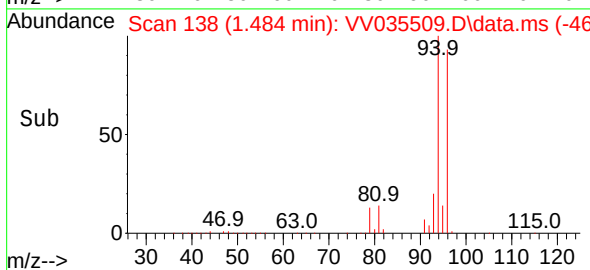
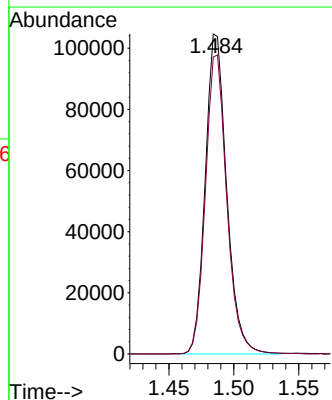
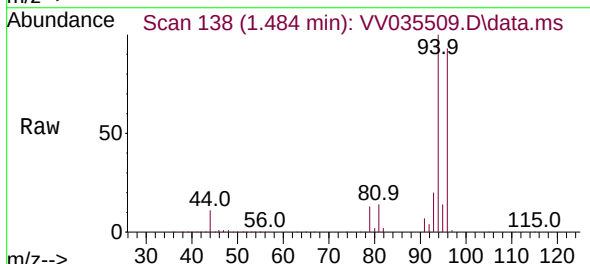


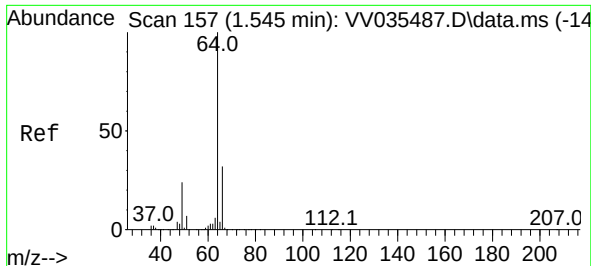
Tgt Ion: 62 Resp: 185577
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.9 42.5



#6
 Bromomethane
 Concen: 47.914 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV035509.D
 Acq: 01 May 2024 20:10

Tgt Ion: 94 Resp: 120346
 Ion Ratio Lower Upper
 94 100
 96 92.8 66.2 123.0

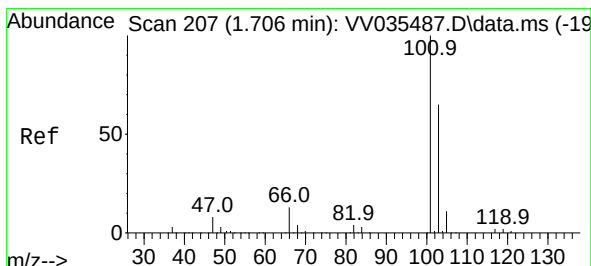
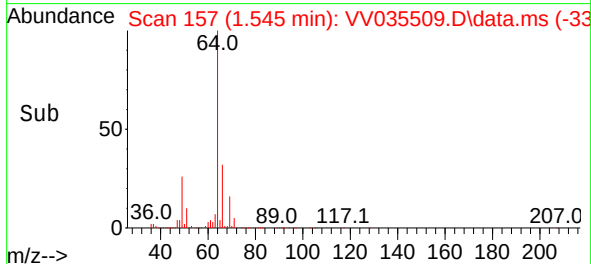
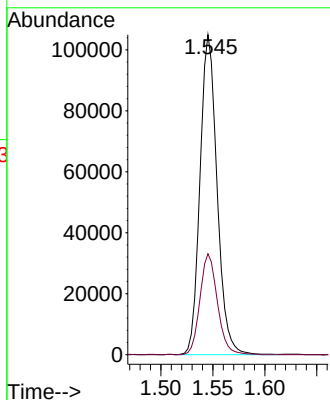
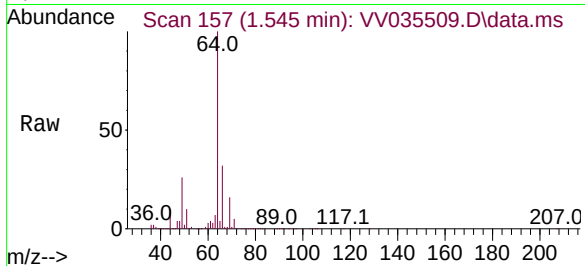




#8
Chloroethane
Concen: 52.618 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

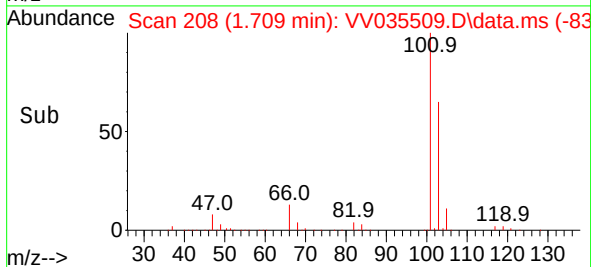
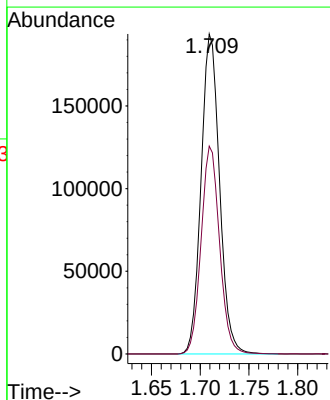
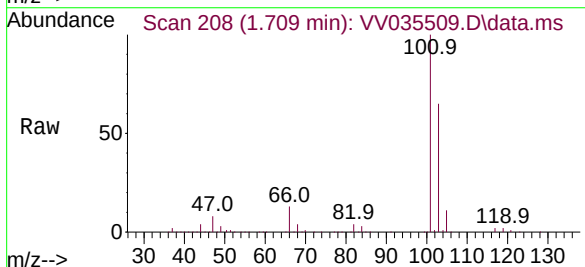
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MSVOA_V
ClientSampleId :

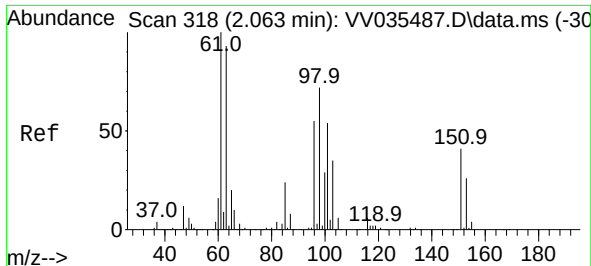
Tgt Ion: 64 Resp: 119512
Ion Ratio Lower Upper
64 100
66 31.5 22.7 42.1



#9
Trichlorofluoromethane
Concen: 47.970 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.003 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

Tgt Ion:101 Resp: 254943
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 47.168 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

ClientSampleId :

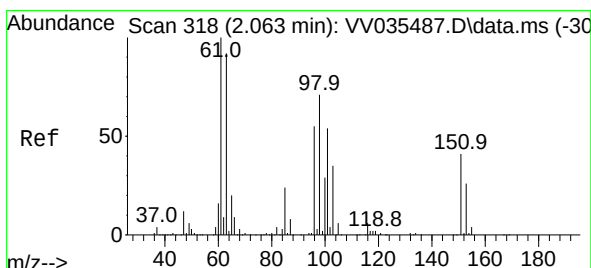
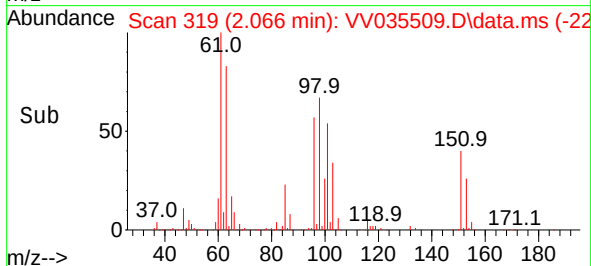
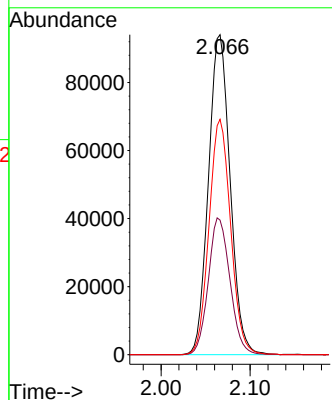
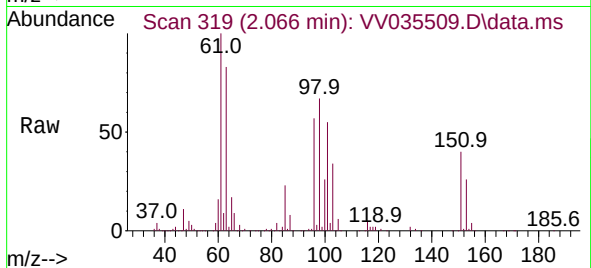
Tgt Ion:101 Resp: 158893

Ion Ratio Lower Upper

101 100

85 42.6 34.4 51.6

151 73.3 60.1 90.1



#12

1,1-Dichloroethene

Concen: 47.241 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

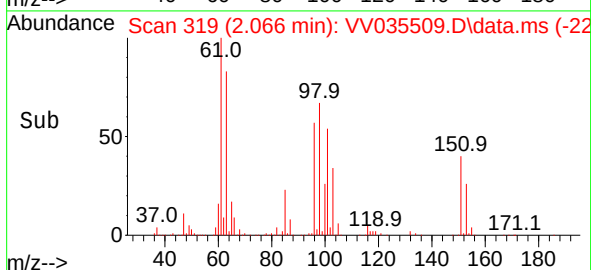
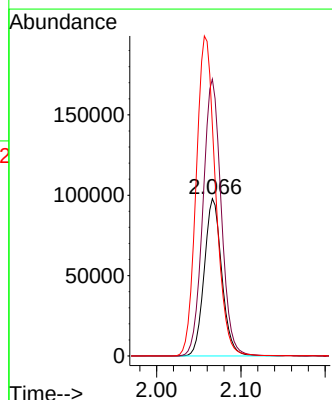
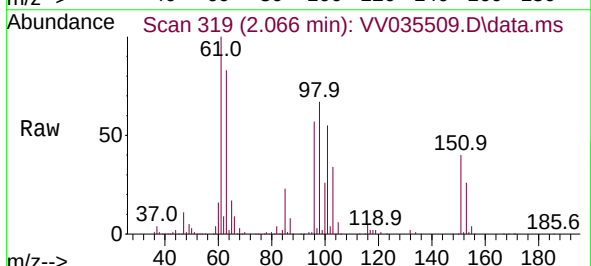
Tgt Ion: 96 Resp: 142148

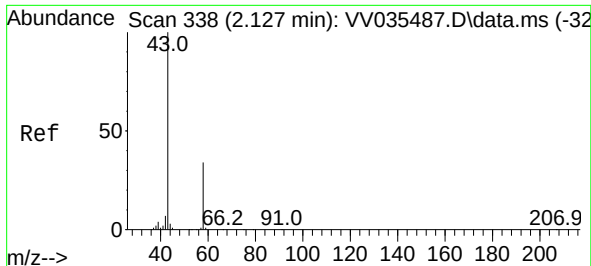
Ion Ratio Lower Upper

96 100

61 175.9 126.5 234.9

63 146.7 118.1 219.3





#13

Acetone

Concen: 76.510 ug/L

RT: 2.121 min Scan# 338

Delta R.T. -0.006 min

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MSVOA_V

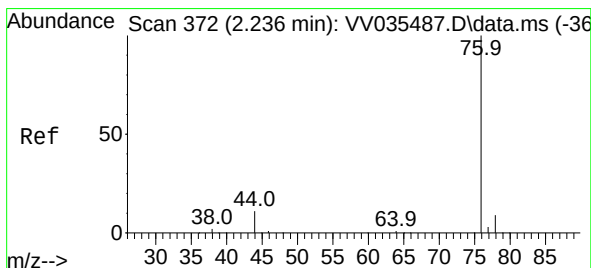
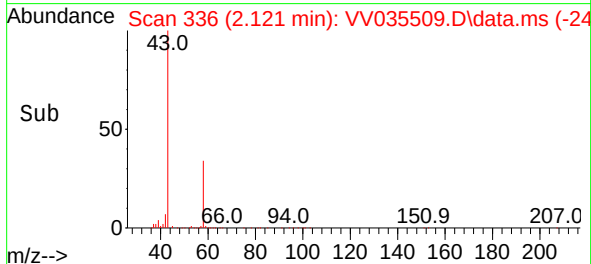
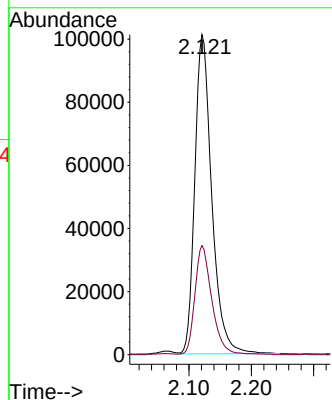
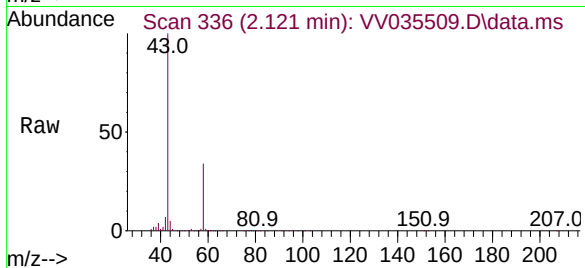
ClientSampleId :

Tgt Ion: 43 Resp: 190513

Ion Ratio Lower Upper

43 100

58 34.4 0.0 68.8



#14

Carbon disulfide

Concen: 45.979 ug/L

RT: 2.237 min Scan# 372

Delta R.T. 0.000 min

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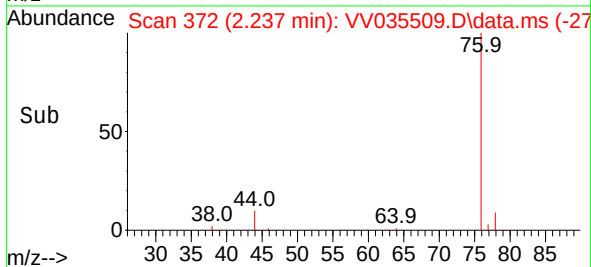
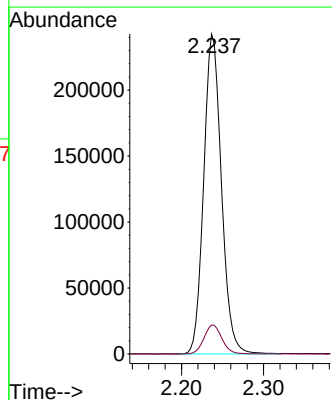
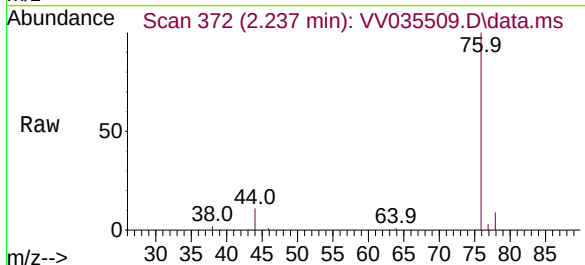
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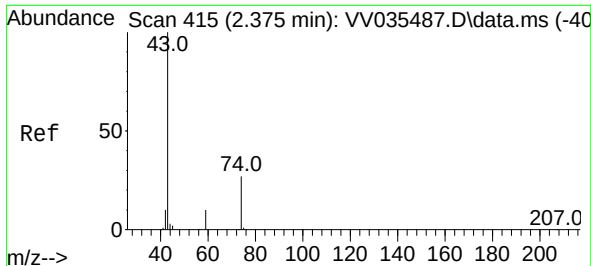
Tgt Ion: 76 Resp: 363449

Ion Ratio Lower Upper

76 100

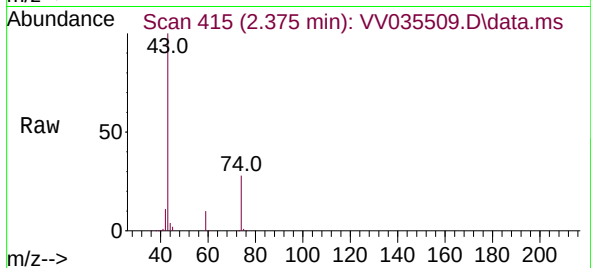
78 9.0 7.6 11.4



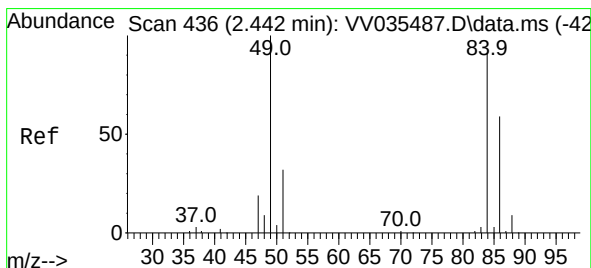
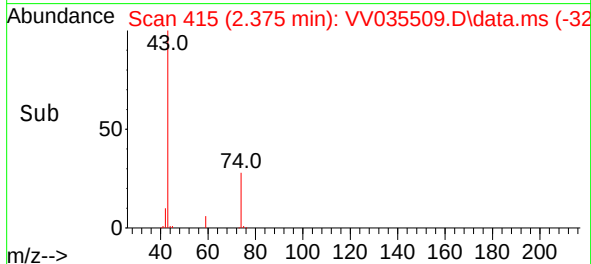
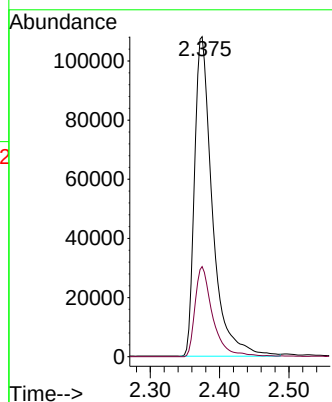


#15
Methyl Acetate
Concen: 48.045 ug/L
RT: 2.375 min Scan# 415
Delta R.T. 0.000 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

Instrument :
MSVOA_V
ClientSampleId :

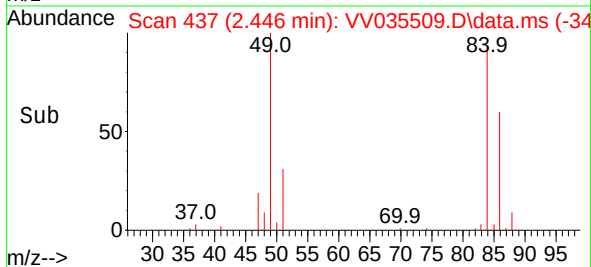
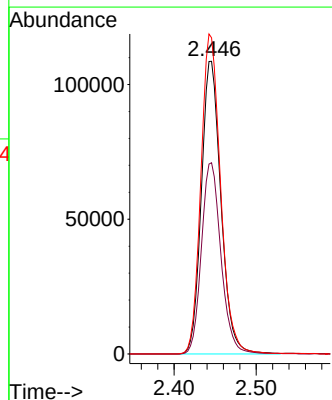
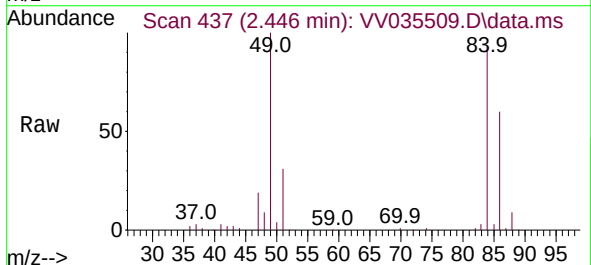


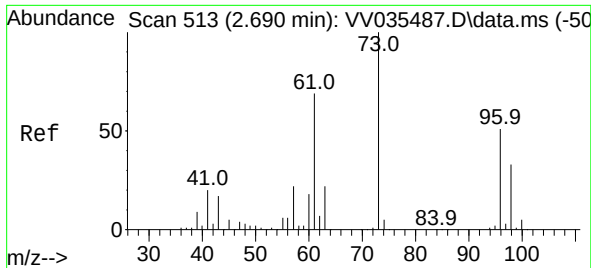
Tgt Ion: 43 Resp: 194066
Ion Ratio Lower Upper
43 100
74 27.0 21.6 32.4



#16
Methylene chloride
Concen: 47.249 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.003 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

Tgt Ion: 84 Resp: 180146
Ion Ratio Lower Upper
84 100
86 65.3 45.3 84.1
49 108.0 76.9 142.7





#17

trans-1,2-Dichloroethene

Concen: 48.875 ug/L

RT: 2.693 min Scan# 513

Delta R.T. 0.003 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

ClientSampleId :

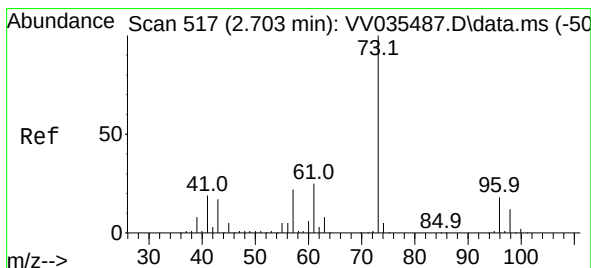
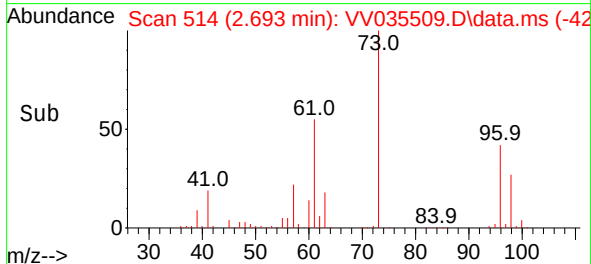
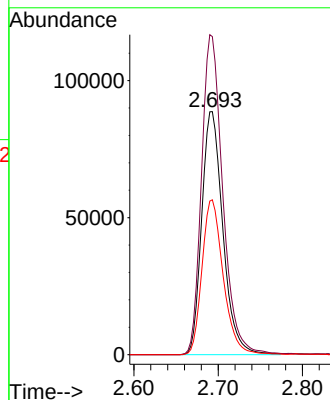
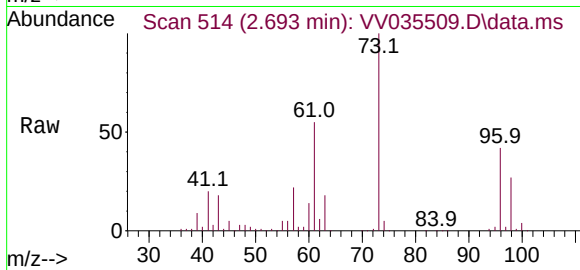
Tgt Ion: 96 Resp: 155447

Ion Ratio Lower Upper

96 100

61 130.8 95.5 177.3

98 63.7 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 49.157 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

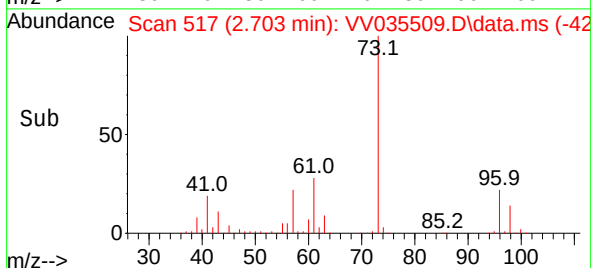
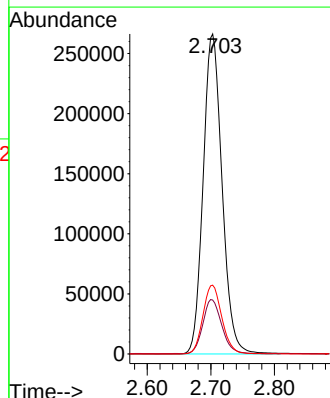
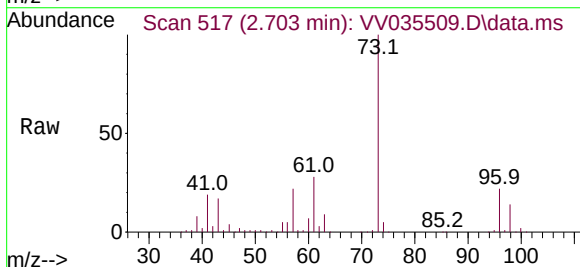
Tgt Ion: 73 Resp: 549833

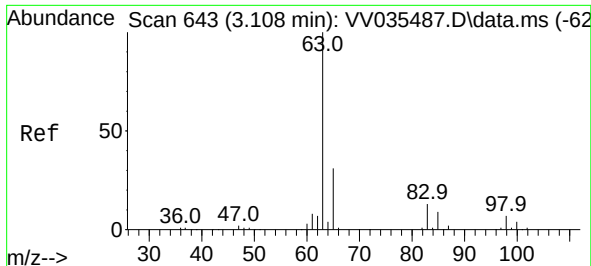
Ion Ratio Lower Upper

73 100

43 16.8 13.6 20.4

57 21.5 17.4 26.0





#19

1,1-Dichloroethane

Concen: 47.986 ug/L

RT: 3.108 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

ClientSampleId :

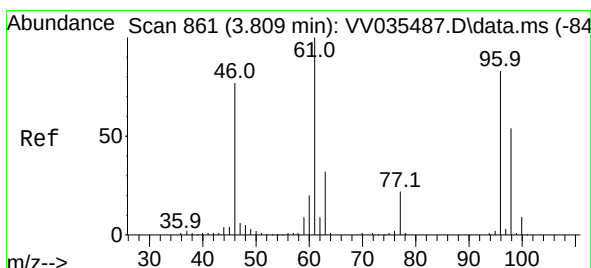
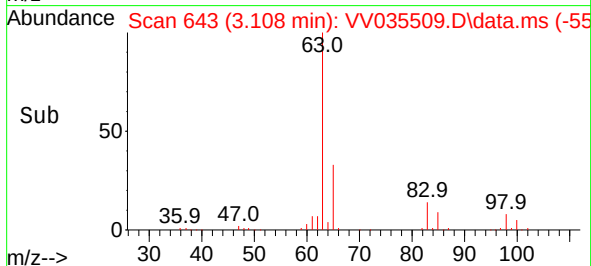
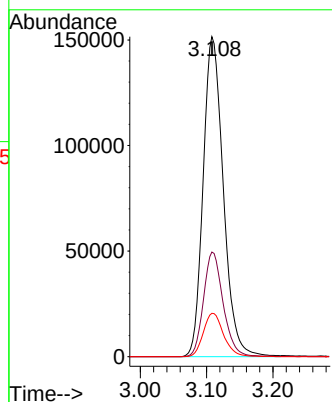
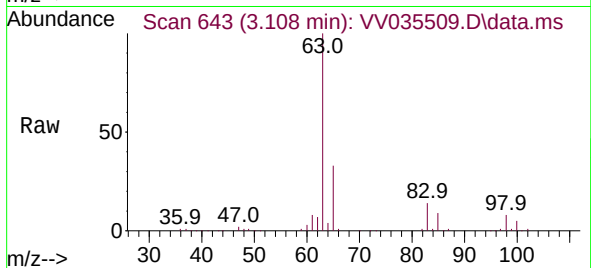
Tgt Ion: 63 Resp: 320472

Ion Ratio Lower Upper

63 100

65 32.7 21.8 40.4

83 13.6 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 48.767 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.003 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

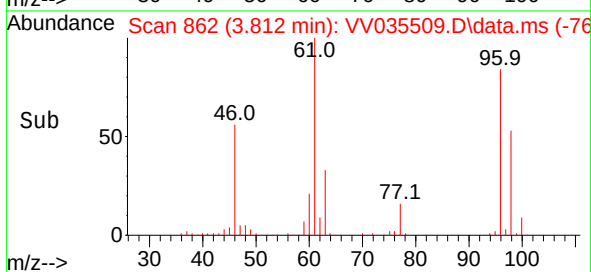
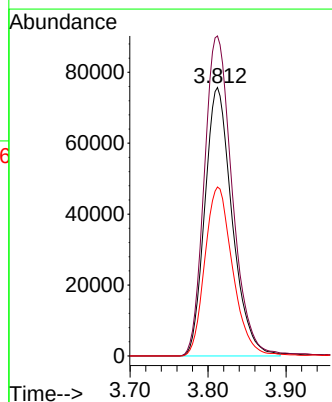
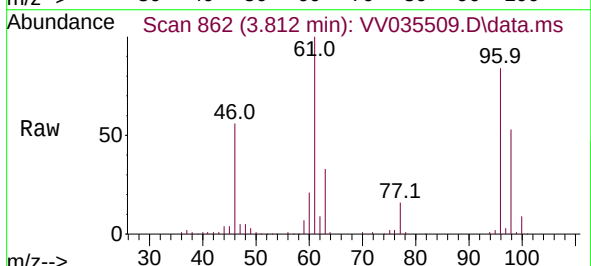
Tgt Ion: 96 Resp: 184474

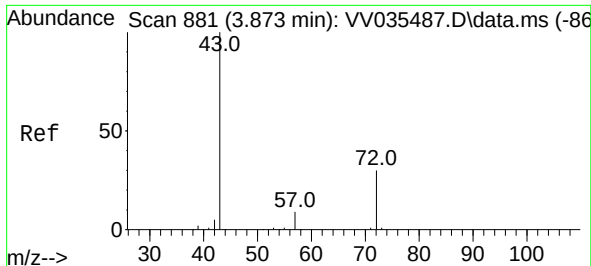
Ion Ratio Lower Upper

96 100

61 119.2 84.0 156.0

98 63.0 44.9 83.5





#22

2-Butanone

Concen: 89.987 ug/L

RT: 3.870 min Scan# 881

Delta R.T. -0.003 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

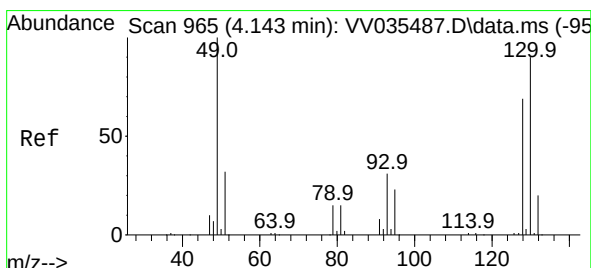
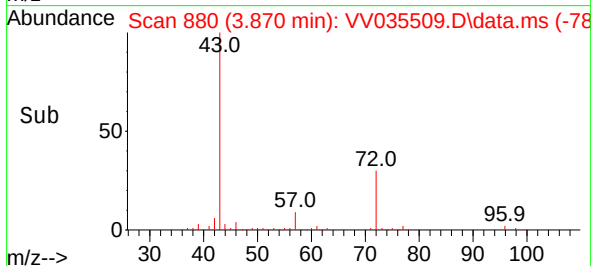
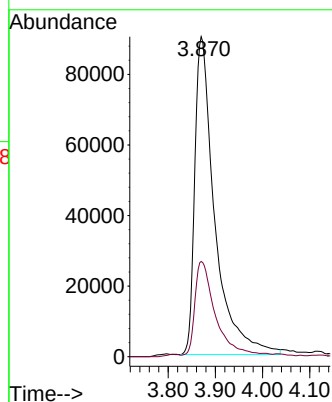
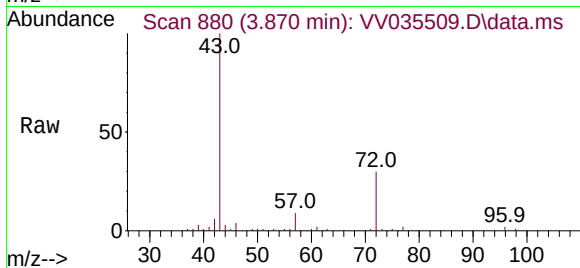
ClientSampleId :

Tgt Ion: 43 Resp: 265257

Ion Ratio Lower Upper

43 100

72 29.8 14.4 43.0



#23

Bromochloromethane

Concen: 48.383 ug/L

RT: 4.146 min Scan# 966

Delta R.T. 0.003 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Tgt Ion:128 Resp: 100096

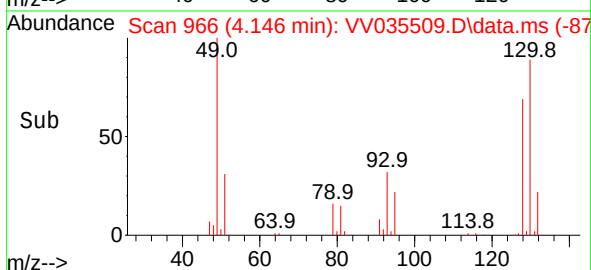
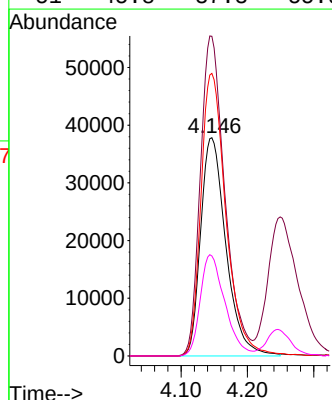
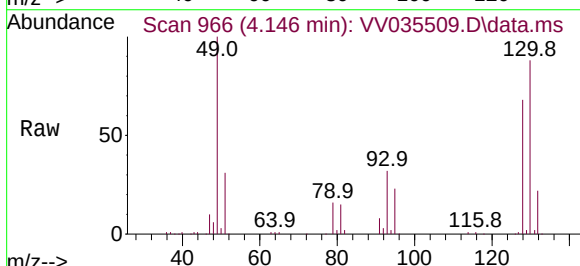
Ion Ratio Lower Upper

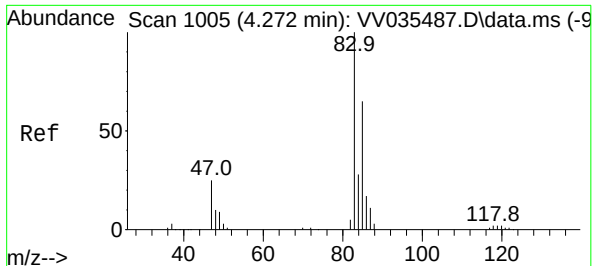
128 100

49 146.5 102.0 189.4

130 129.4 91.5 169.9

51 45.8 37.3 55.9





#25

Chloroform

Concen: 48.426 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

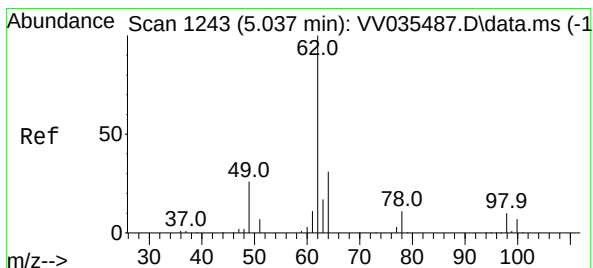
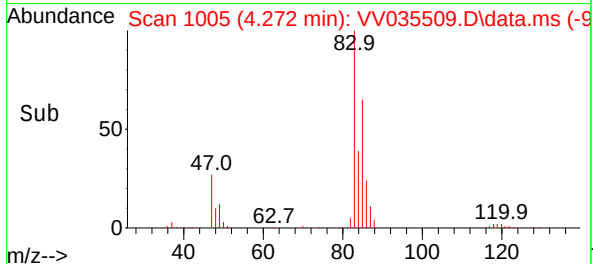
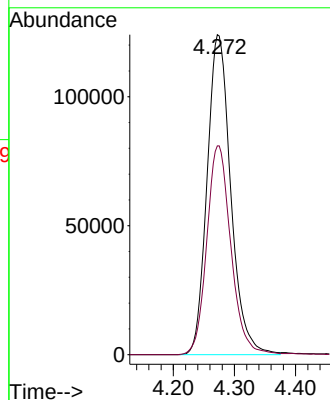
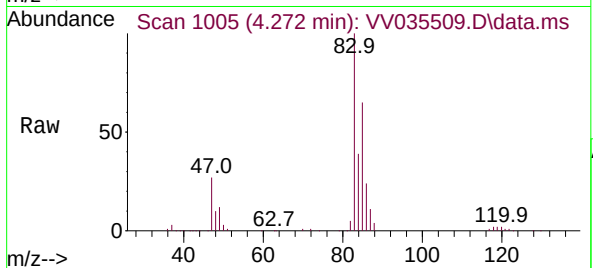
ClientSampleId :

Tgt Ion: 83 Resp: 333813

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.2



#27

1,2-Dichloroethane

Concen: 50.036 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV035509.D

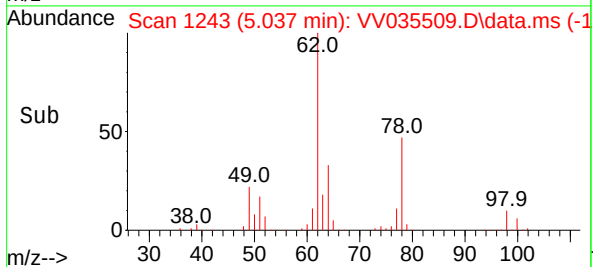
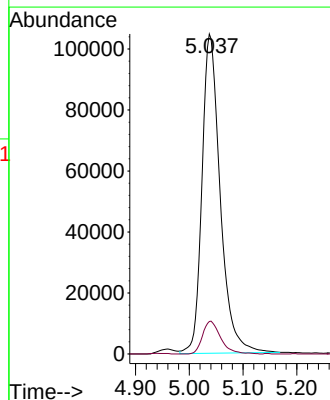
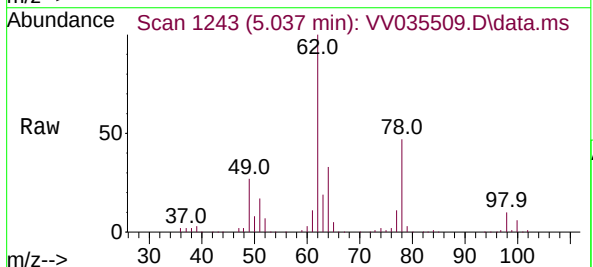
Acq: 01 May 2024 20:10

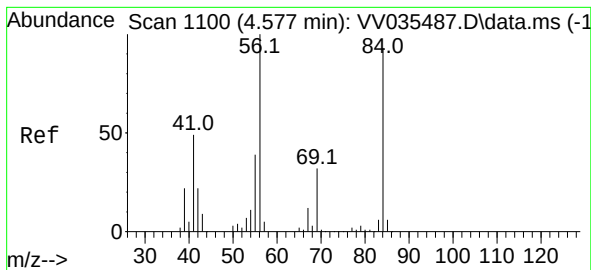
Tgt Ion: 62 Resp: 246842

Ion Ratio Lower Upper

62 100

98 10.2 8.2 12.2





#29

Cyclohexane

Concen: 48.315 ug/L

RT: 4.581 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

ClientSampleId :

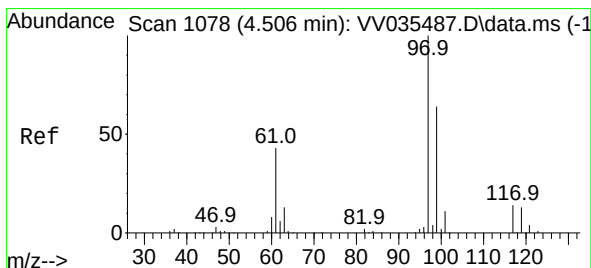
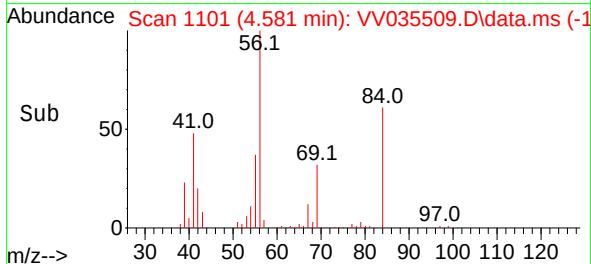
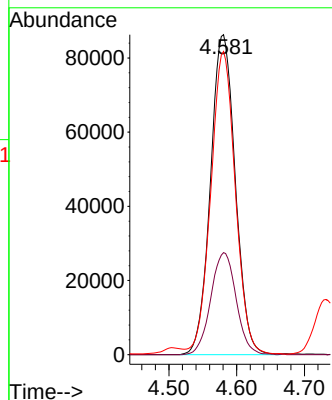
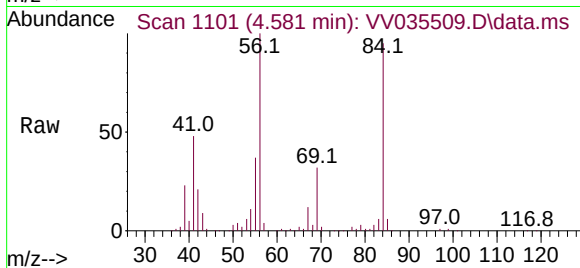
Tgt Ion: 56 Resp: 219443

Ion Ratio Lower Upper

56 100

69 32.6 25.5 38.3

84 93.1 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 48.874 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.003 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

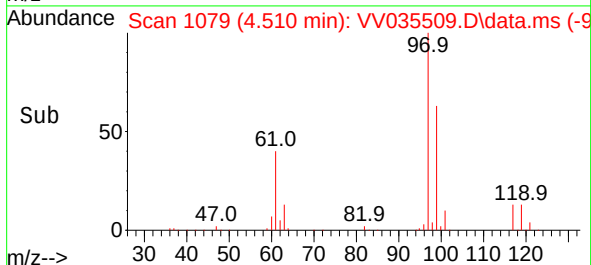
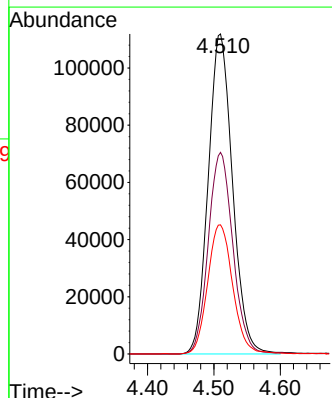
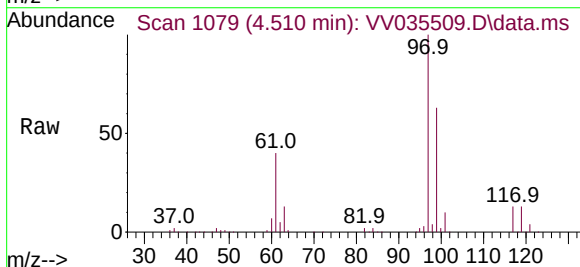
Tgt Ion: 97 Resp: 284537

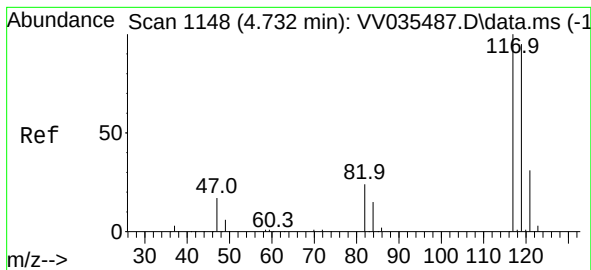
Ion Ratio Lower Upper

97 100

99 63.7 51.9 77.9

61 41.3 34.1 51.1





#31

Carbon tetrachloride

Concen: 48.361 ug/L

RT: 4.732 min Scan# 1148

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

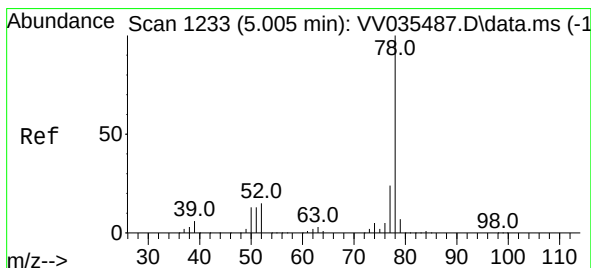
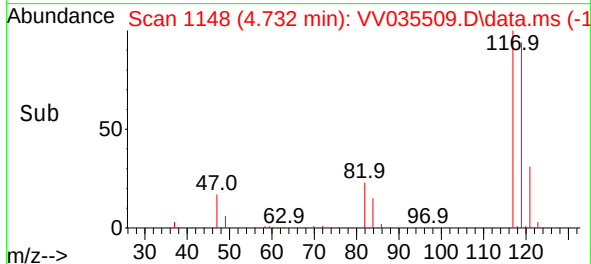
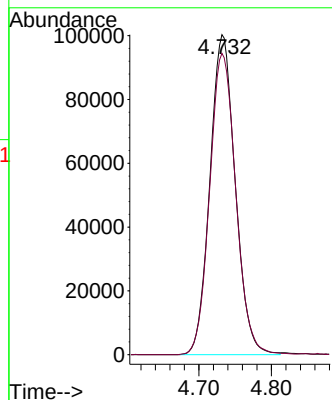
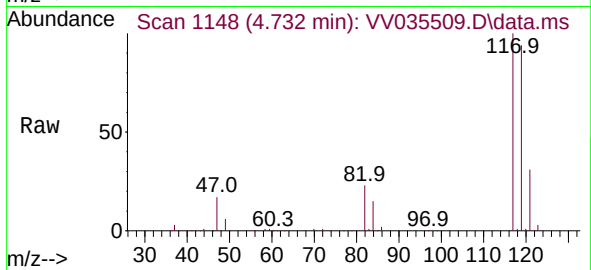
ClientSampleId :

Tgt Ion:117 Resp: 243442

Ion Ratio Lower Upper

117 100

119 97.1 76.5 114.7



#33

Benzene

Concen: 48.874 ug/L

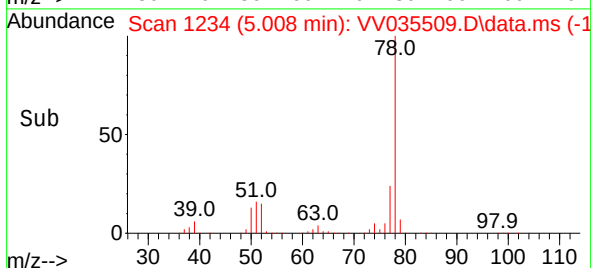
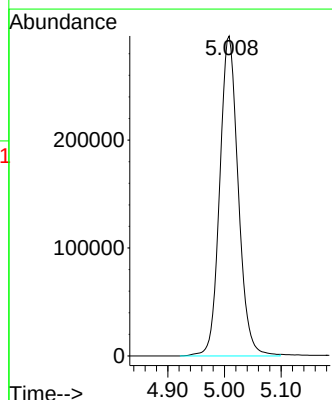
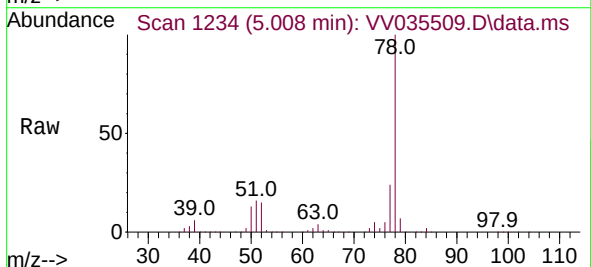
RT: 5.008 min Scan# 1234

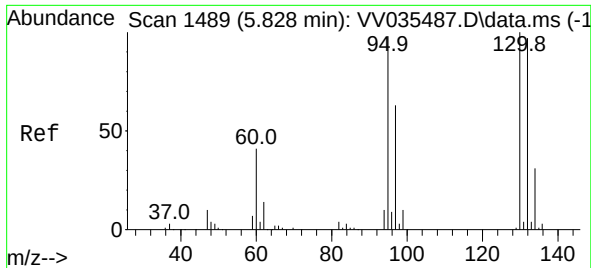
Delta R.T. 0.003 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Tgt Ion: 78 Resp: 671383

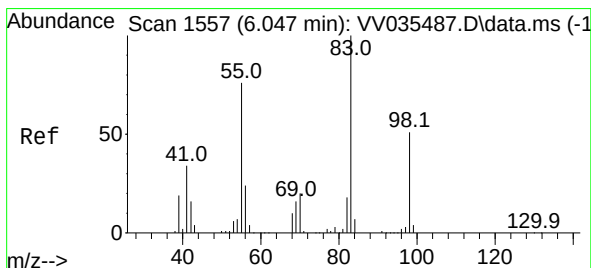
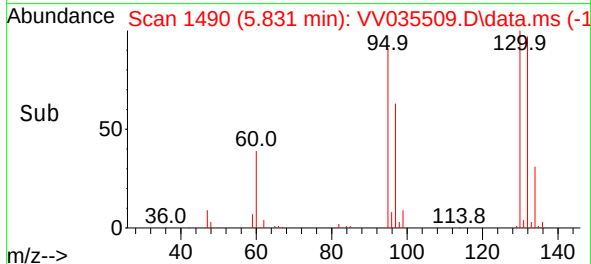
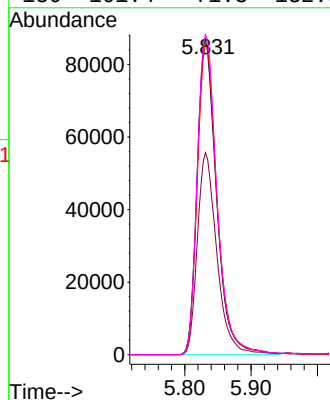
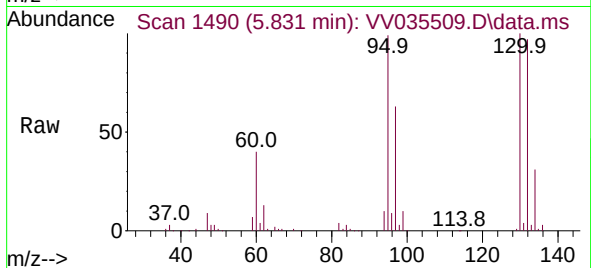




#34
Trichloroethene
Concen: 48.555 ug/L
RT: 5.831 min Scan# 1489
Delta R.T. 0.003 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

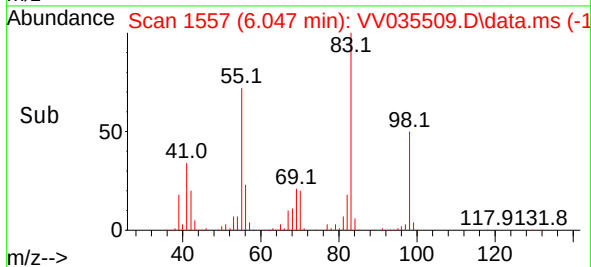
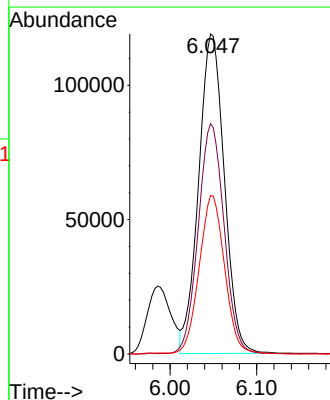
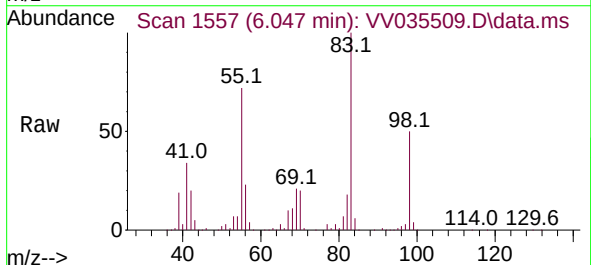
Instrument :
MSVOA_V
ClientSampleId :

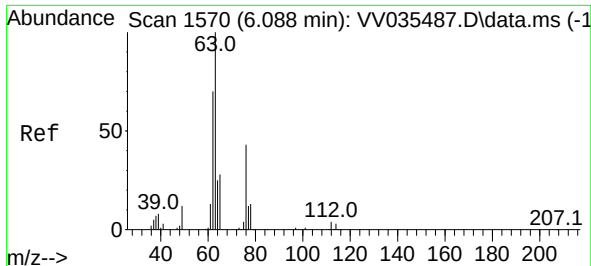
Tgt Ion: 95 Resp: 177498
Ion Ratio Lower Upper
95 100
97 64.0 45.1 83.9
132 98.3 69.4 128.8
130 101.4 71.3 132.3



#35
Methylcyclohexane
Concen: 47.624 ug/L
RT: 6.047 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

Tgt Ion: 83 Resp: 245598
Ion Ratio Lower Upper
83 100
55 72.3 57.5 86.3
98 49.1 38.9 58.3





#37

1,2-Dichloropropane

Concen: 48.559 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. 0.003 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

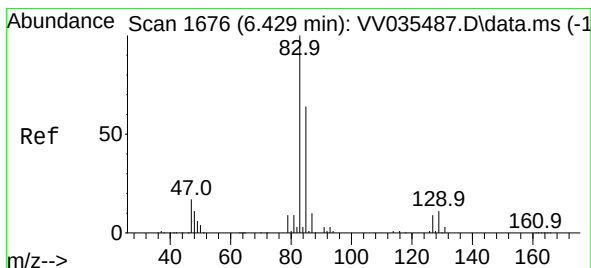
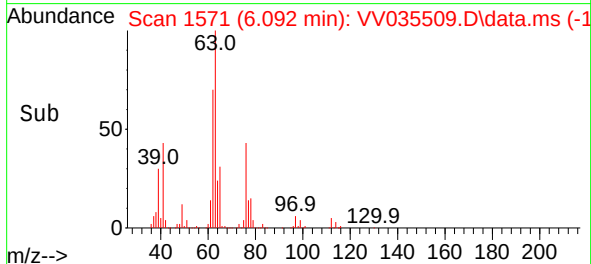
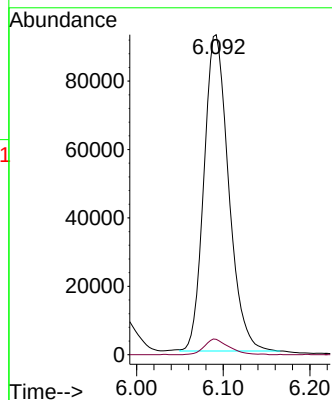
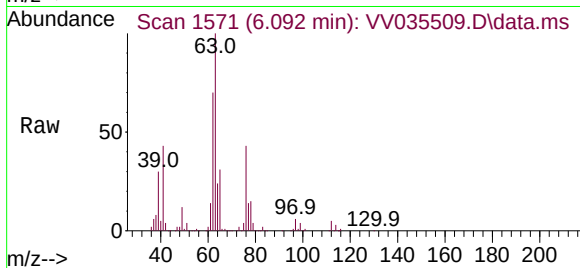
ClientSampleId :

Tgt Ion: 63 Resp: 183274

Ion Ratio Lower Upper

63 100

112 4.9 3.4 5.2



#38

Bromodichloromethane

Concen: 49.165 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

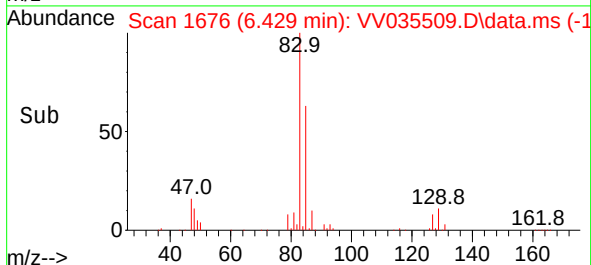
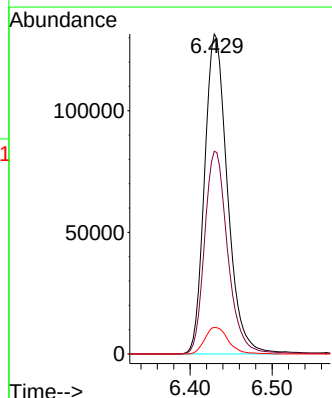
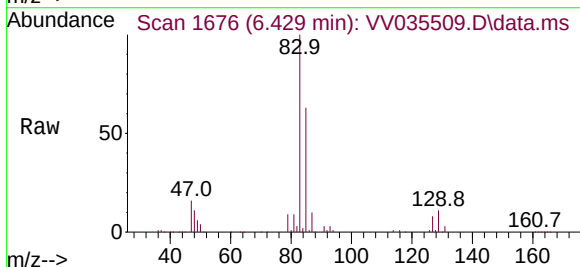
Tgt Ion: 83 Resp: 255290

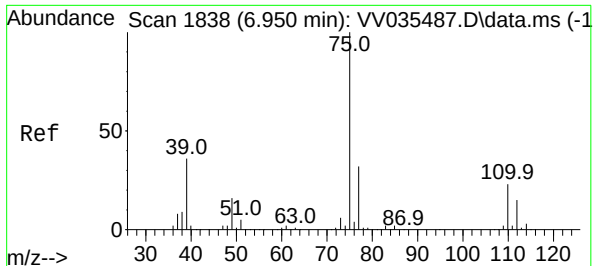
Ion Ratio Lower Upper

83 100

85 63.3 45.1 83.9

127 8.3 6.9 10.3

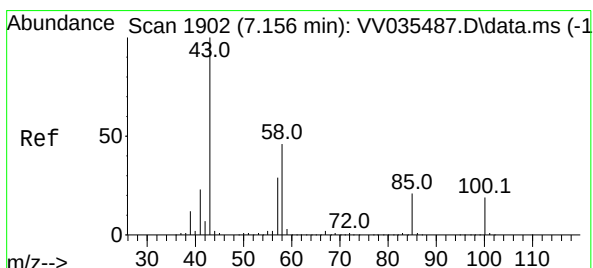
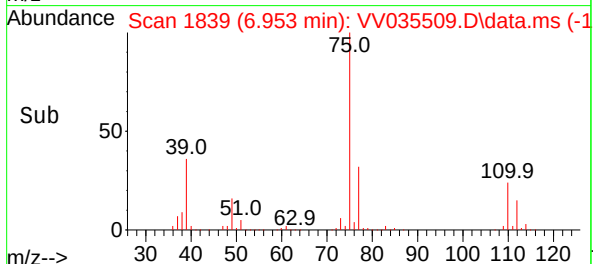
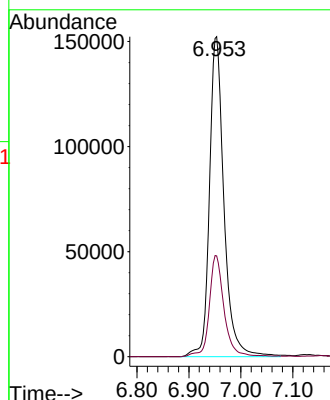
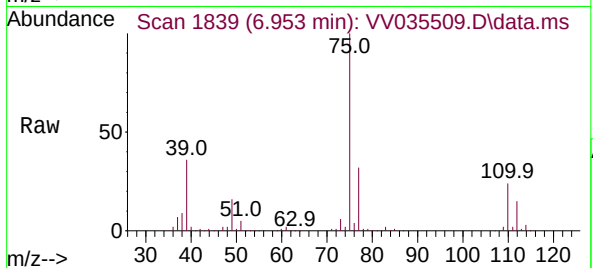




#39
 cis-1,3-Dichloropropene
 Concen: 49.806 ug/L
 RT: 6.953 min Scan# 1839
 Delta R.T. 0.003 min
 Lab File: VV035509.D
 Acq: 01 May 2024 20:10

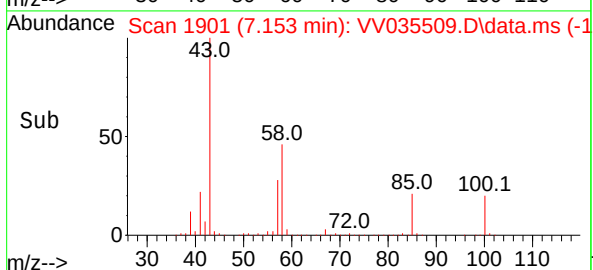
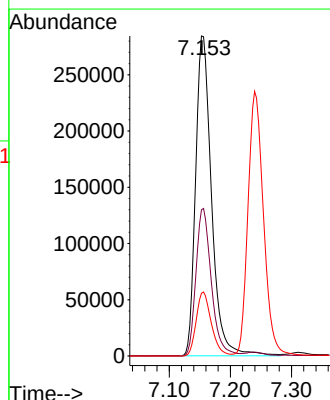
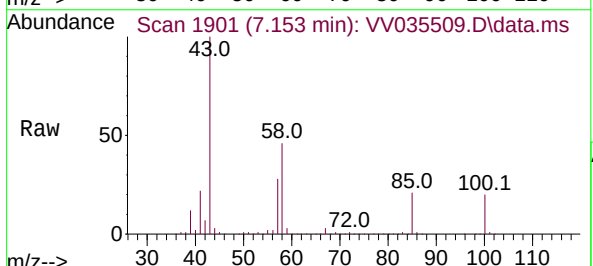
Instrument :
 MSVOA_V
 ClientSampleId :

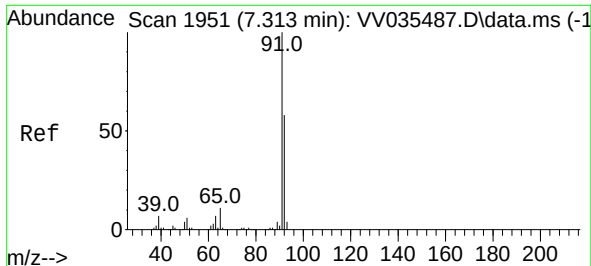
Tgt Ion: 75 Resp: 295093
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 102.333 ug/L
 RT: 7.153 min Scan# 1901
 Delta R.T. -0.003 min
 Lab File: VV035509.D
 Acq: 01 May 2024 20:10

Tgt Ion: 43 Resp: 515561
 Ion Ratio Lower Upper
 43 100
 58 44.5 36.1 54.1
 100 18.9 15.0 22.4





#42

Toluene

Concen: 50.111 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

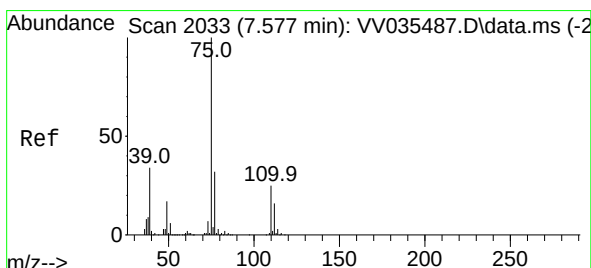
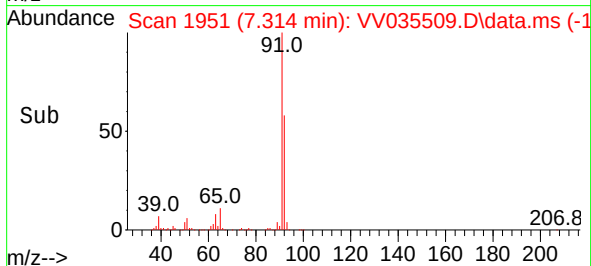
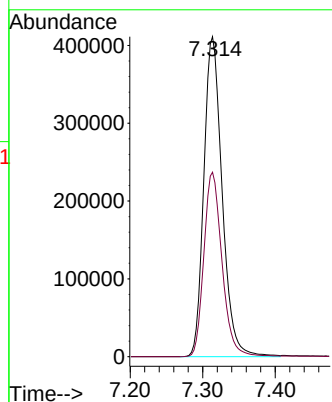
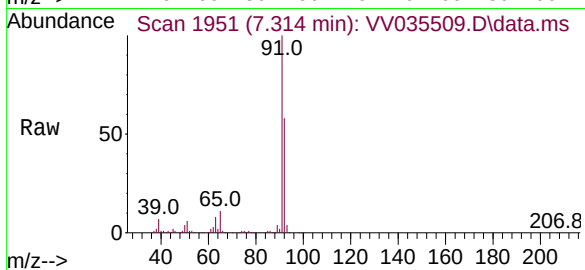
ClientSampleId :

Tgt Ion: 91 Resp: 722184

Ion Ratio Lower Upper

91 100

92 57.7 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 50.271 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV035509.D

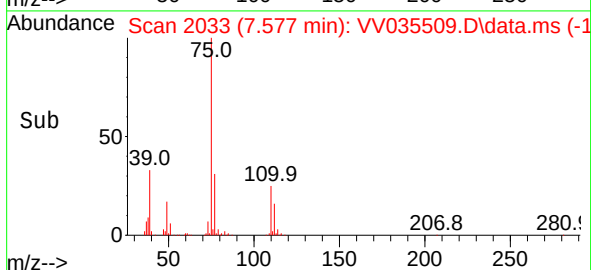
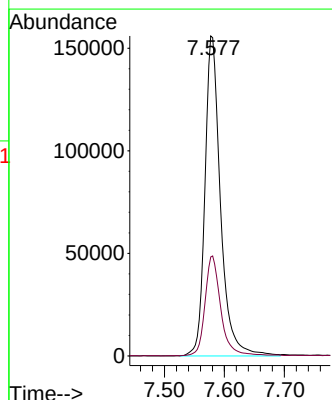
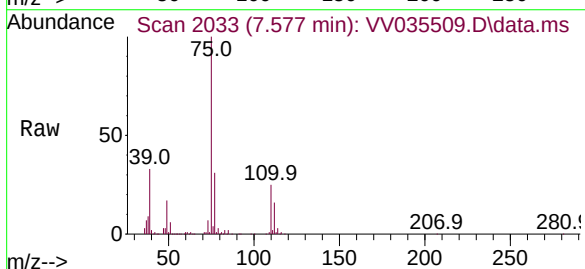
Acq: 01 May 2024 20:10

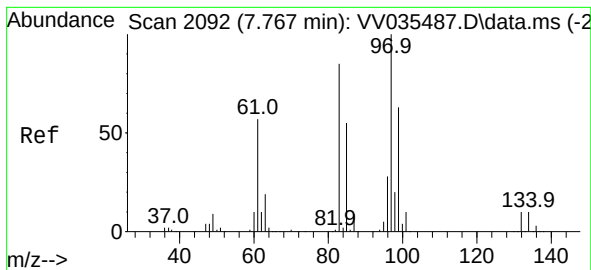
Tgt Ion: 75 Resp: 282915

Ion Ratio Lower Upper

75 100

77 30.9 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 49.435 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 199548

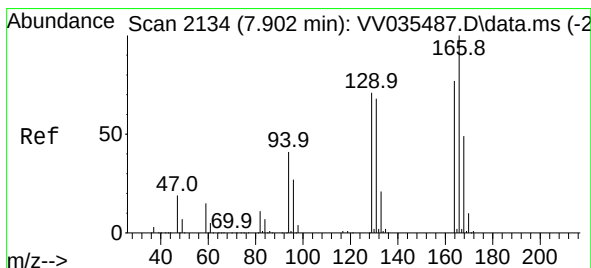
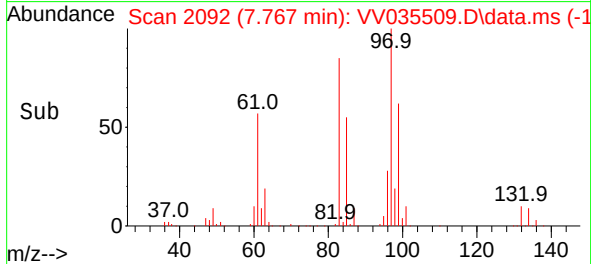
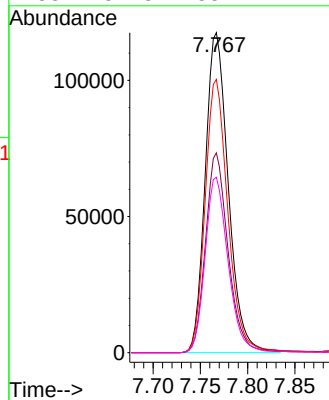
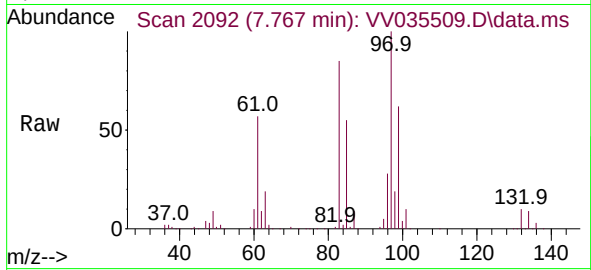
Ion Ratio Lower Upper

97 100

99 62.4 44.2 82.2

83 85.4 59.3 110.1

85 54.8 38.4 71.2



#46

Tetrachloroethene

Concen: 47.746 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Tgt Ion: 164 Resp: 140975

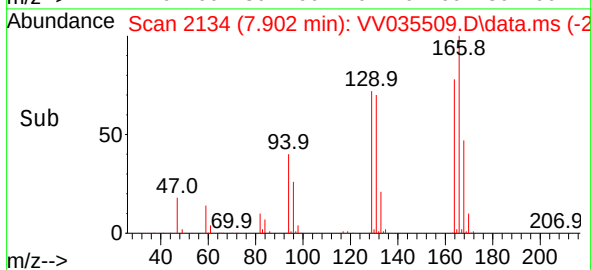
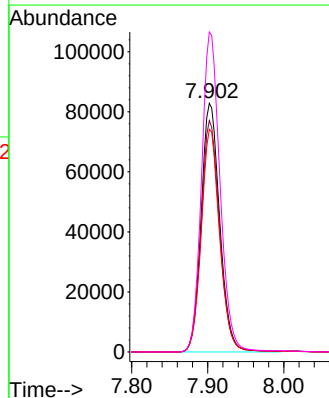
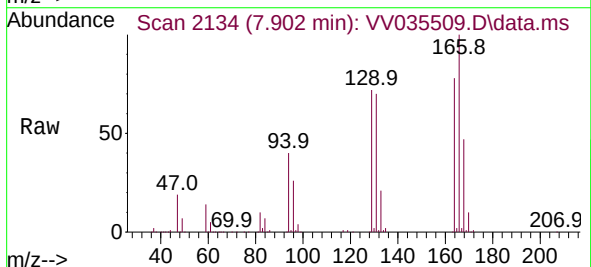
Ion Ratio Lower Upper

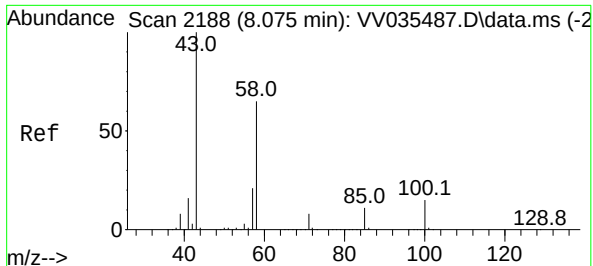
164 100

129 93.0 64.7 120.1

131 89.6 61.5 114.1

166 128.7 90.6 168.3

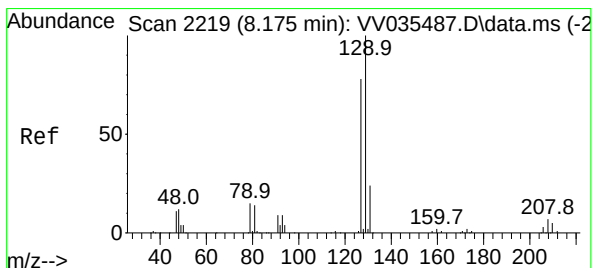
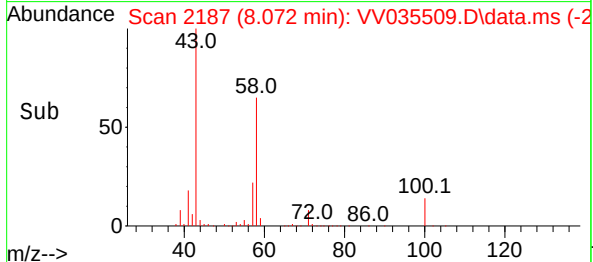
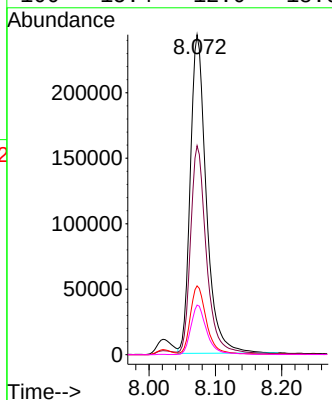
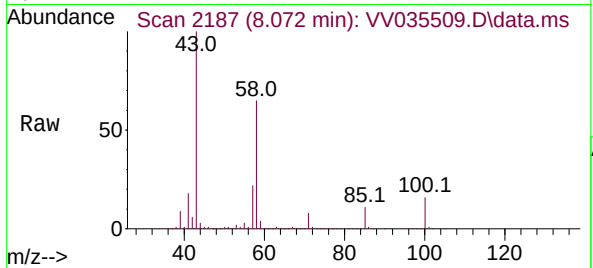




#48
2-Hexanone
Concen: 99.681 ug/L
RT: 8.072 min Scan# 2188
Delta R.T. -0.003 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

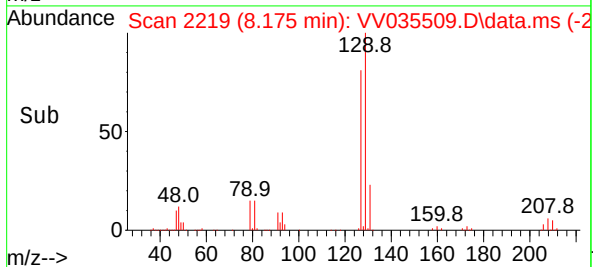
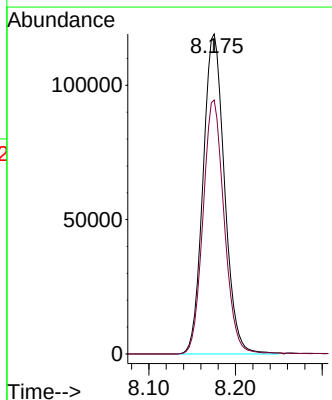
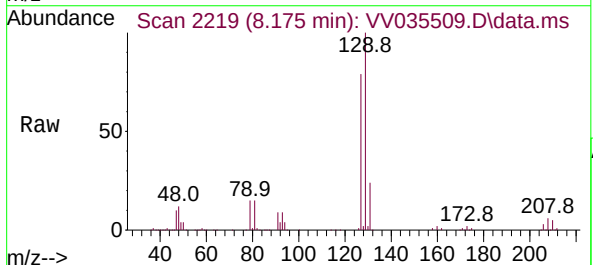
Instrument :
MSVOA_V
ClientSampleId :

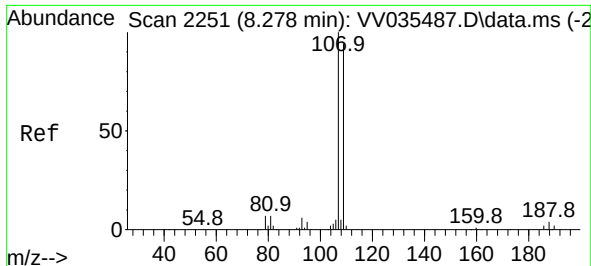
Tgt Ion: 43 Resp: 408617
Ion Ratio Lower Upper
43 100
58 65.0 50.8 76.2
57 21.8 17.6 26.4
100 15.4 12.0 18.0



#49
Dibromochloromethane
Concen: 48.462 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

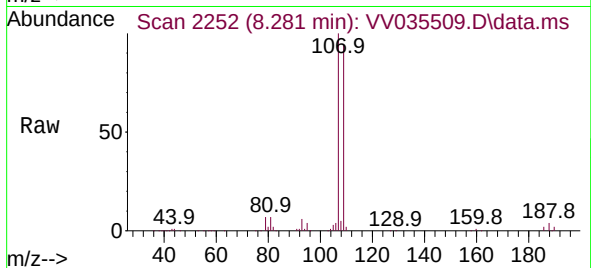
Tgt Ion:129 Resp: 204767
Ion Ratio Lower Upper
129 100
127 79.4 54.3 100.8



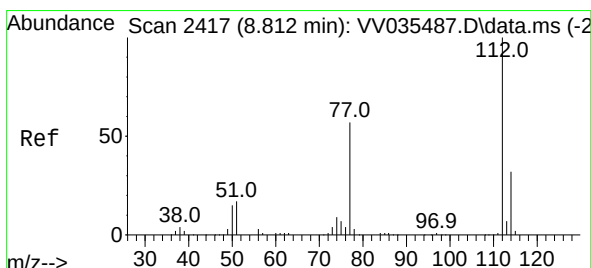
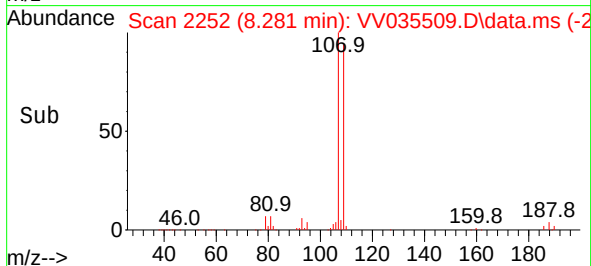
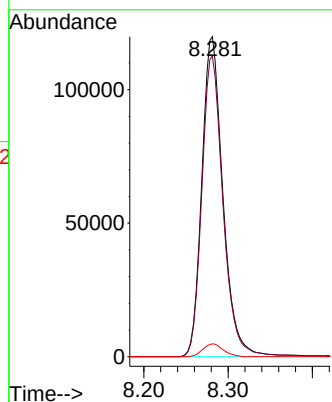


#50
1,2-Dibromoethane
Concen: 49.433 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

Instrument :
MSVOA_V
ClientSampleId :

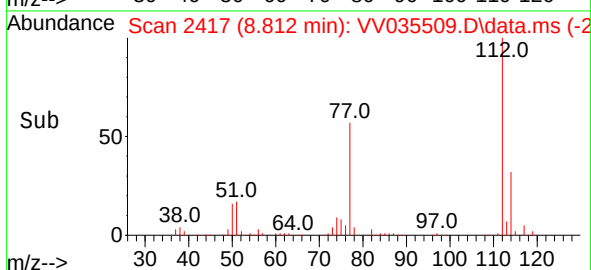
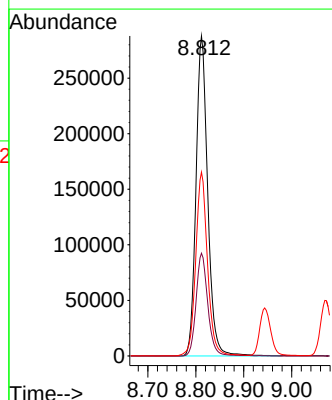
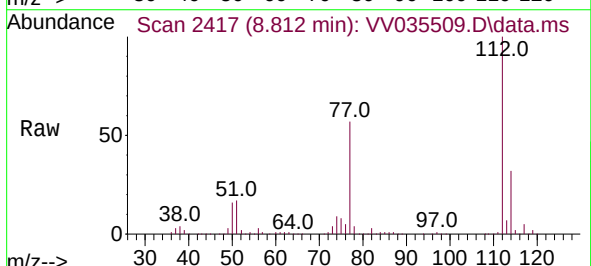


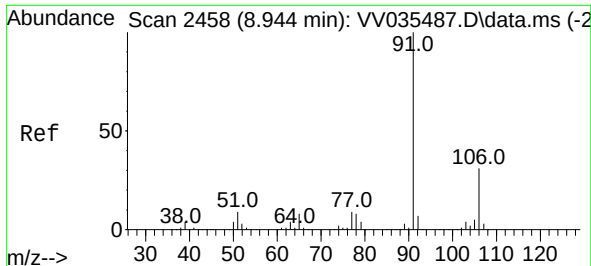
Tgt Ion:107 Resp: 208474
Ion Ratio Lower Upper
107 100
109 93.9 65.7 122.1
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 48.855 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

Tgt Ion:112 Resp: 488765
Ion Ratio Lower Upper
112 100
114 32.1 22.4 41.6
77 57.5 45.9 68.9





#52

Ethylbenzene

Concen: 50.390 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

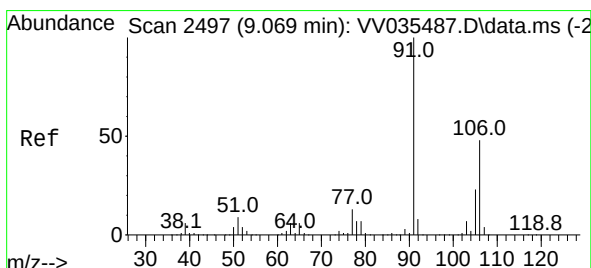
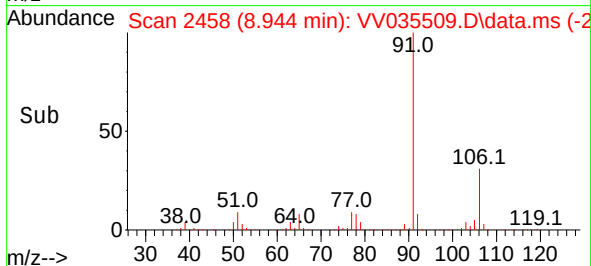
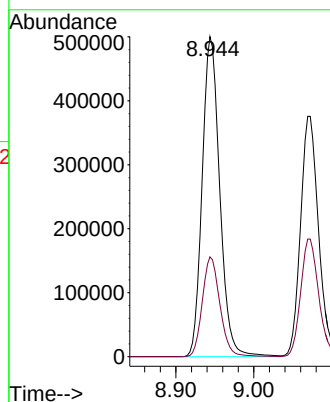
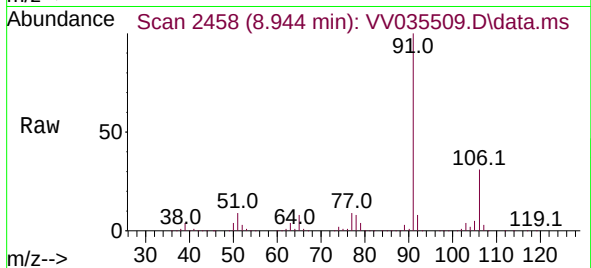
ClientSampleId :

Tgt Ion: 91 Resp: 784546

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.0



#53

m,p-Xylene

Concen: 51.497 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV035509.D

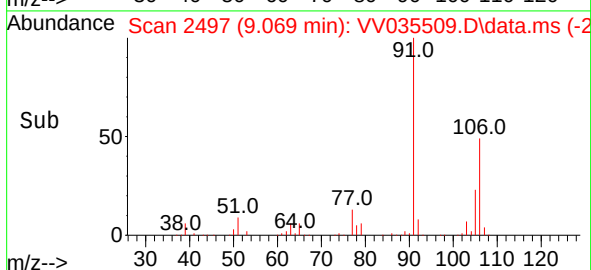
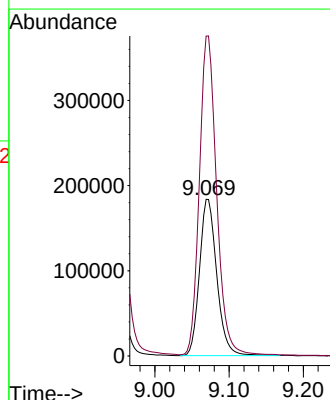
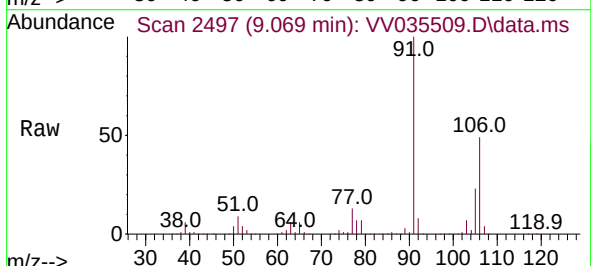
Acq: 01 May 2024 20:10

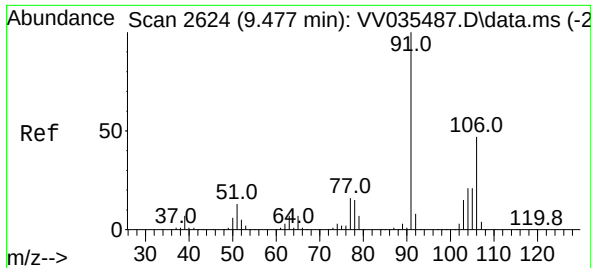
Tgt Ion:106 Resp: 297437

Ion Ratio Lower Upper

106 100

91 204.3 144.8 268.8

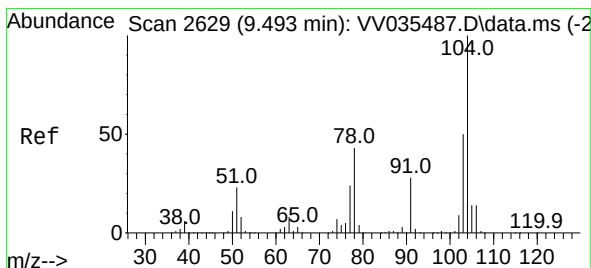
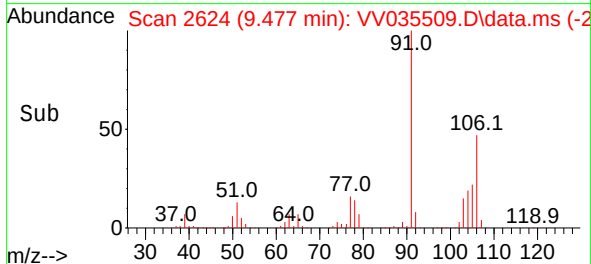
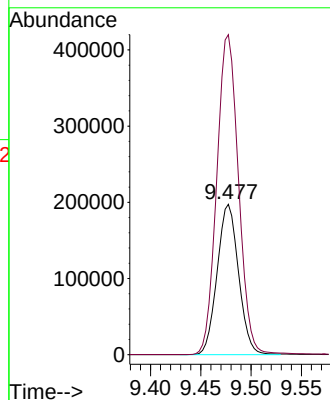
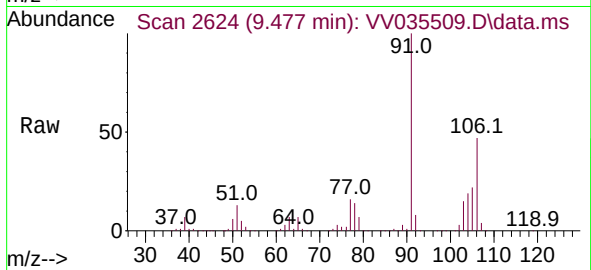




#54
o-Xylene
Concen: 50.272 ug/L
RT: 9.477 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

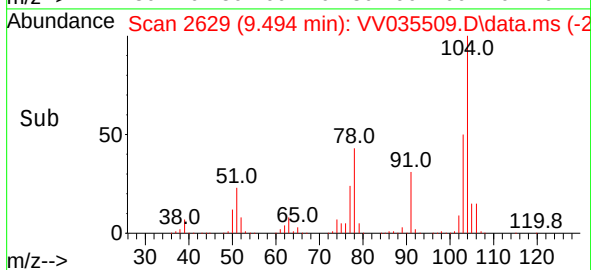
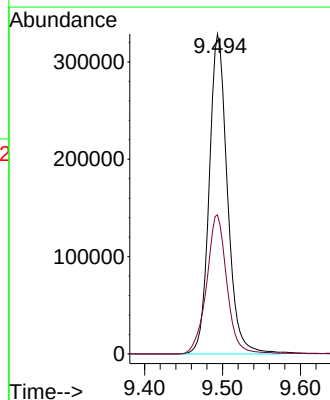
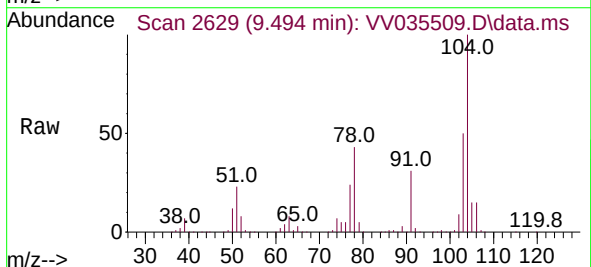
Instrument :
MSVOA_V
ClientSampleId :

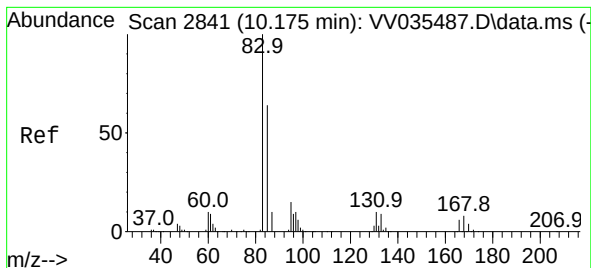
Tgt Ion:106 Resp: 292585
Ion Ratio Lower Upper
106 100
91 212.7 149.9 278.3



#55
Styrene
Concen: 53.139 ug/L
RT: 9.494 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

Tgt Ion:104 Resp: 534515
Ion Ratio Lower Upper
104 100
78 43.5 29.9 55.5

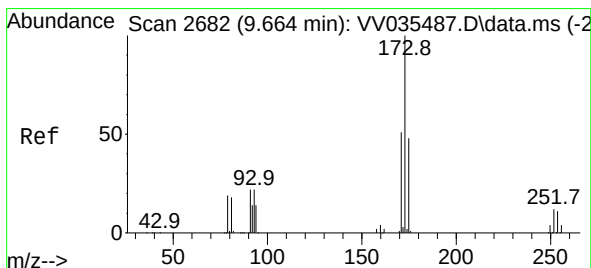
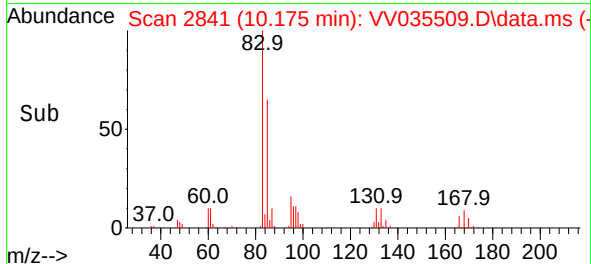
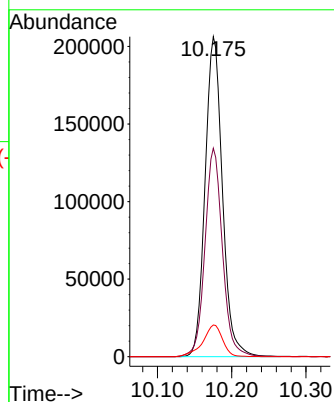
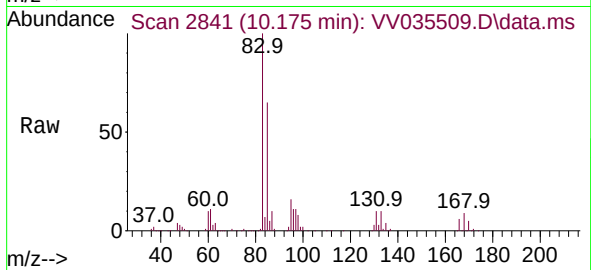




#57
1,1,2,2-Tetrachloroethane
Concen: 48.366 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

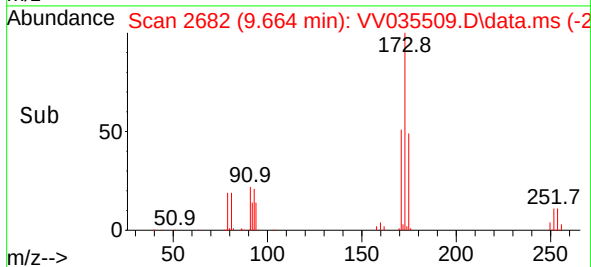
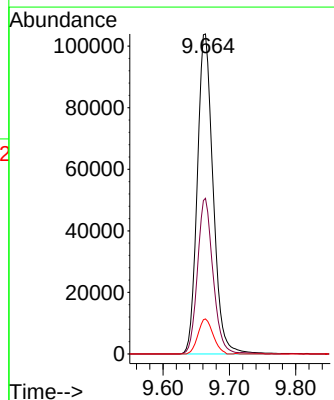
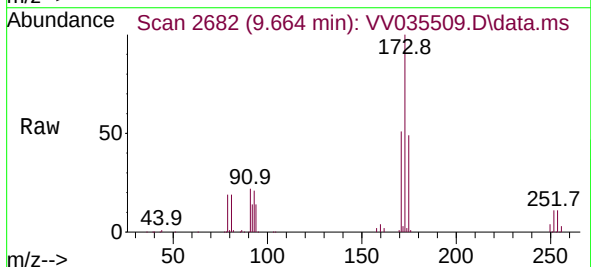
Instrument :
MSVOA_V
ClientSampleId :

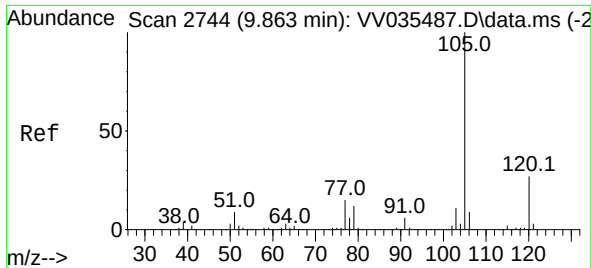
Tgt Ion: 83 Resp: 334042
Ion Ratio Lower Upper
83 100
85 65.1 44.9 83.5
131 9.9 8.1 12.1



#59
Bromoform
Concen: 48.325 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

Tgt Ion: 173 Resp: 172125
Ion Ratio Lower Upper
173 100
175 47.5 39.0 58.6
254 10.5 8.5 12.7

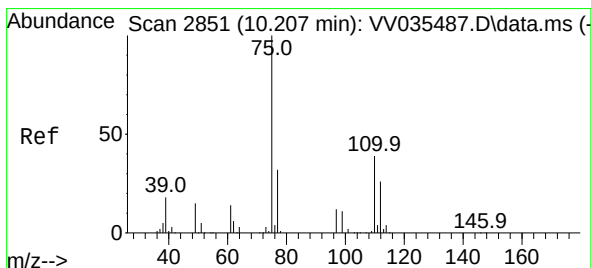
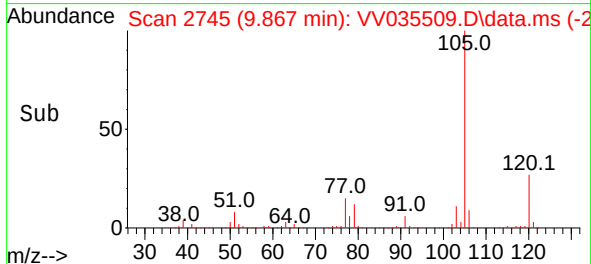
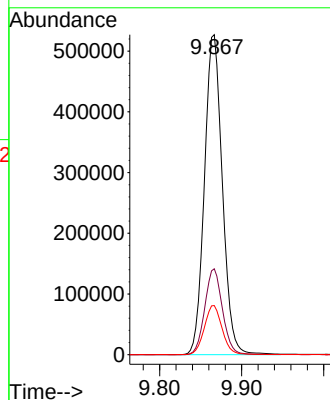
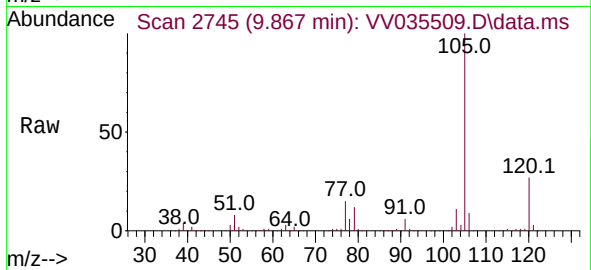




#60
Isopropylbenzene
Concen: 50.460 ug/L
RT: 9.867 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

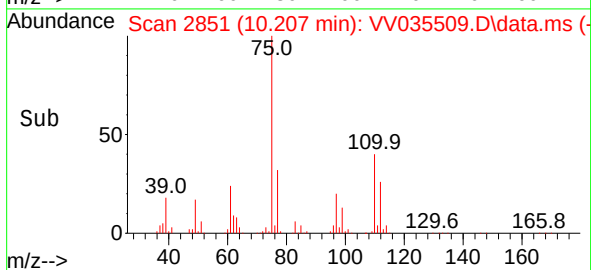
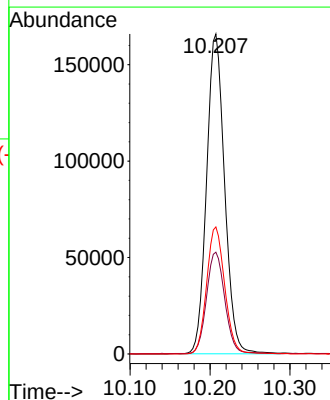
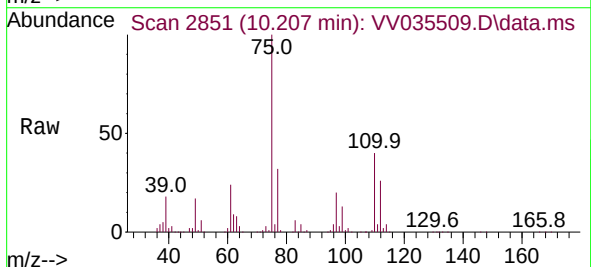
Instrument :
MSVOA_V
ClientSampleId :

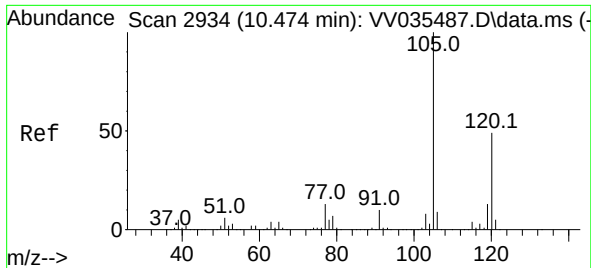
Tgt Ion:105 Resp: 802429
Ion Ratio Lower Upper
105 100
120 26.5 21.5 32.3
77 15.2 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 47.076 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV035509.D
Acq: 01 May 2024 20:10

Tgt Ion: 75 Resp: 260073
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.6
110 40.0 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 50.803 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

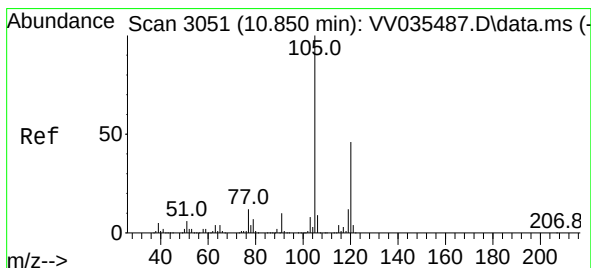
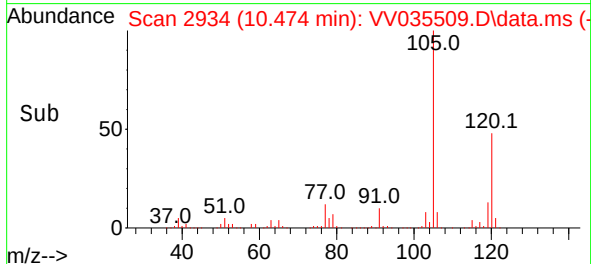
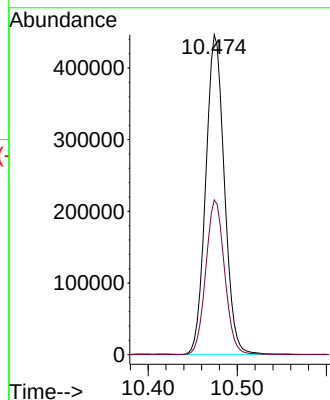
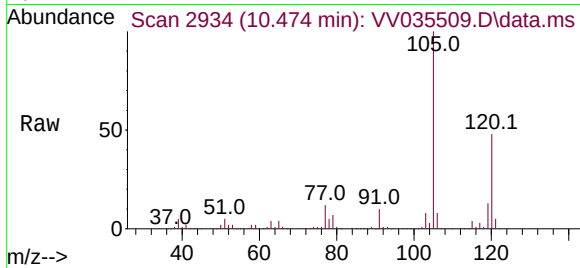
ClientSampleId :

Tgt Ion:105 Resp: 646571

Ion Ratio Lower Upper

105 100

120 48.7 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 51.182 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV035509.D

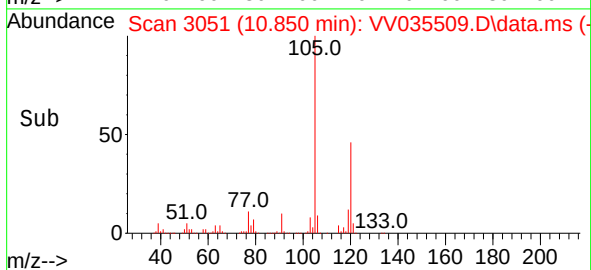
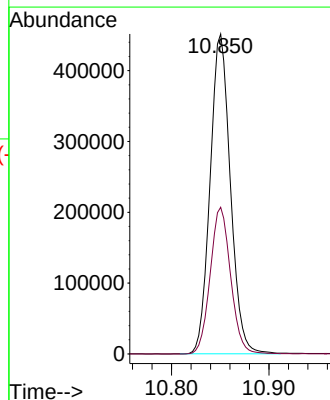
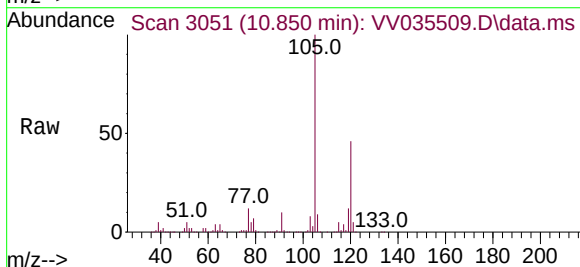
Acq: 01 May 2024 20:10

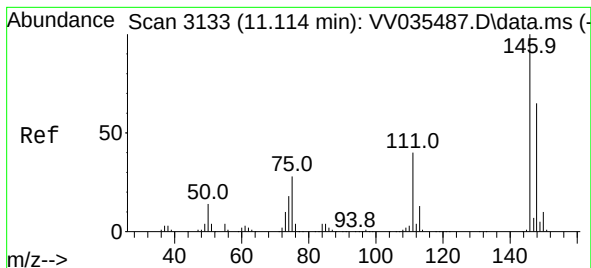
Tgt Ion:105 Resp: 653179

Ion Ratio Lower Upper

105 100

120 46.2 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 48.451 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

ClientSampleId :

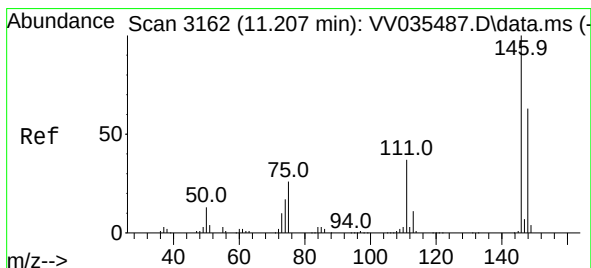
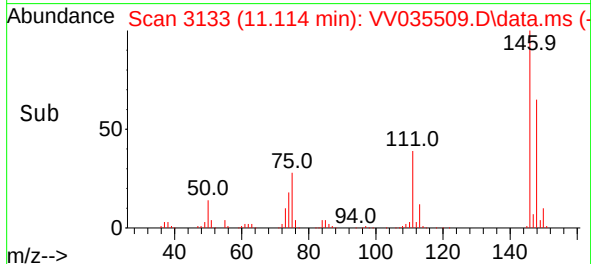
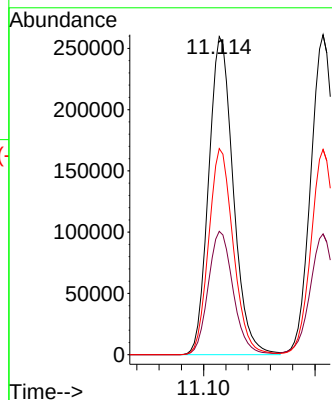
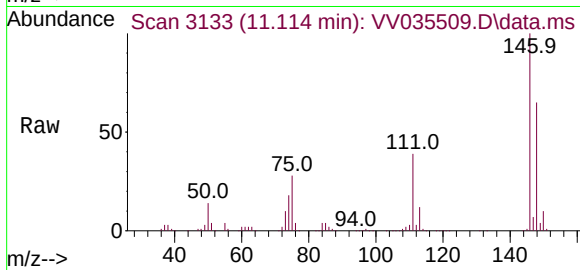
Tgt Ion:146 Resp: 398970

Ion Ratio Lower Upper

146 100

111 38.8 27.9 51.7

148 64.8 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 47.290 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

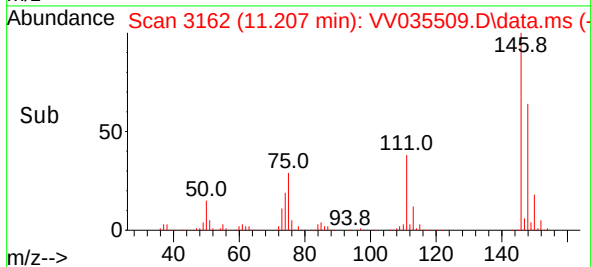
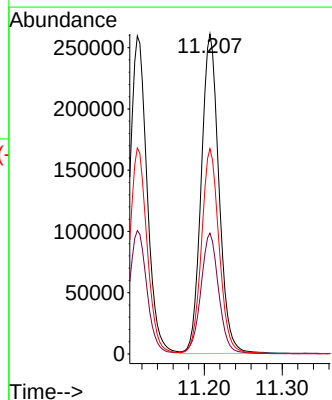
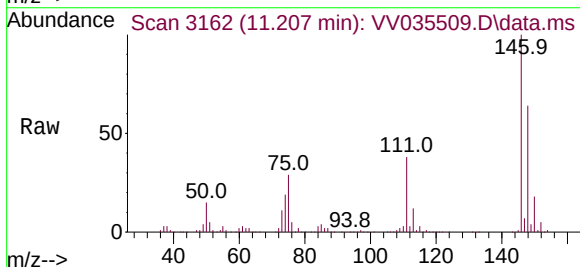
Tgt Ion:146 Resp: 410904

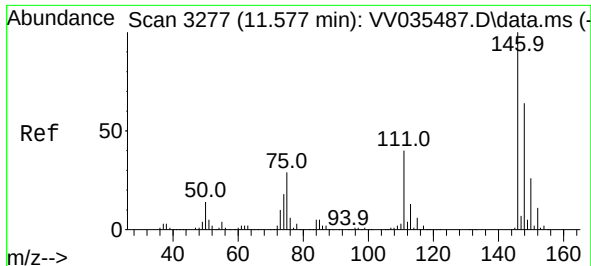
Ion Ratio Lower Upper

146 100

111 37.7 26.4 49.0

148 64.2 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 48.006 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

ClientSampleId :

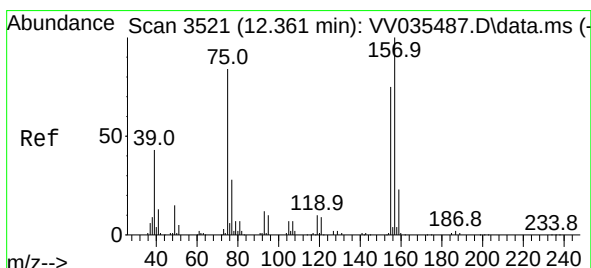
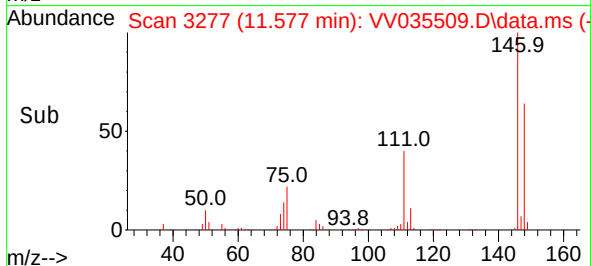
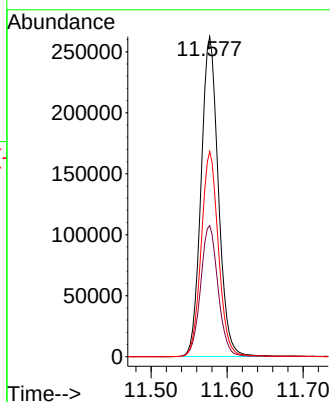
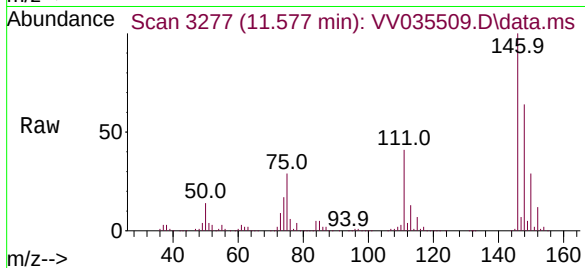
Tgt Ion:146 Resp: 413576

Ion Ratio Lower Upper

146 100

111 41.0 32.1 48.1

148 64.1 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 49.082 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

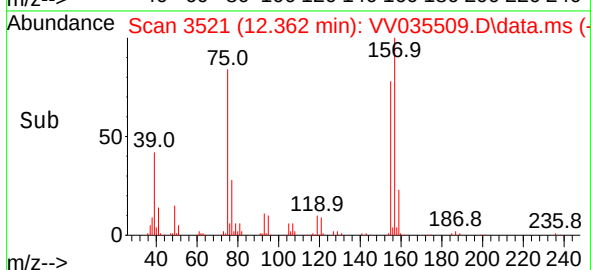
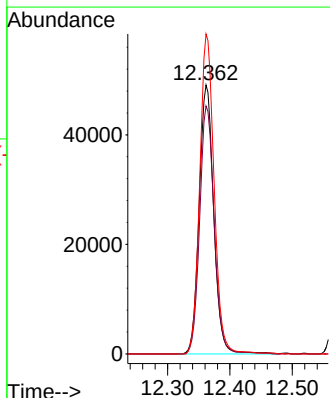
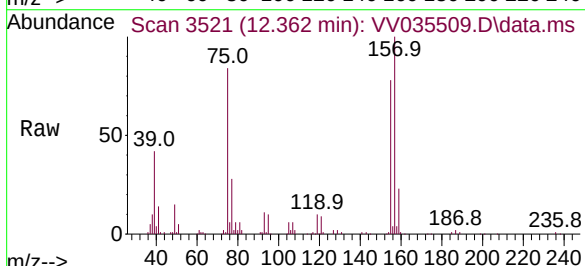
Tgt Ion: 75 Resp: 79857

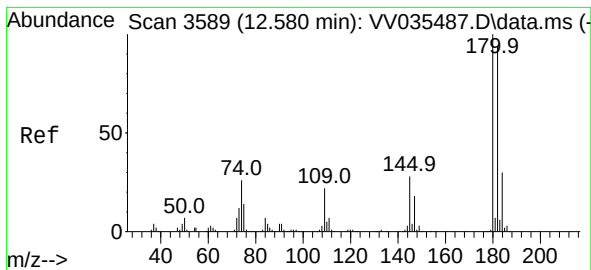
Ion Ratio Lower Upper

75 100

155 92.3 71.4 107.2

157 119.0 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 48.481 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

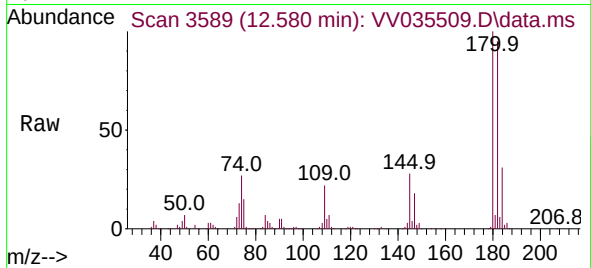
Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 303021

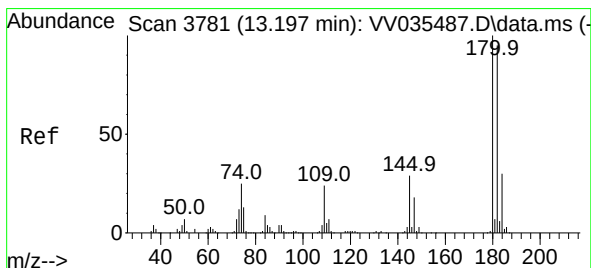
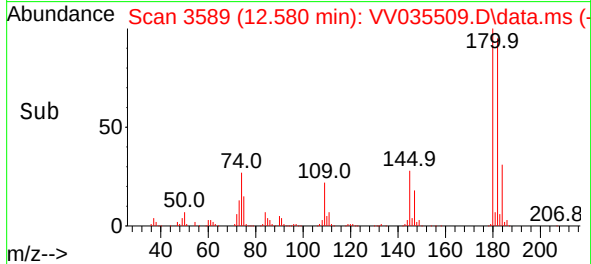
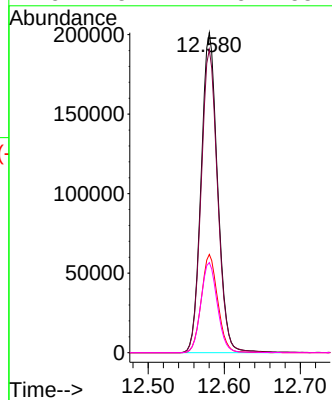
Ion Ratio Lower Upper

180 100

182 95.0 75.7 113.5

184 30.5 24.1 36.1

145 28.2 22.5 33.7



#70

1,2,4-trichlorobenzene

Concen: 50.723 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.003 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

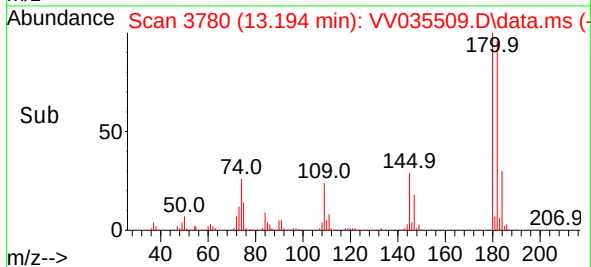
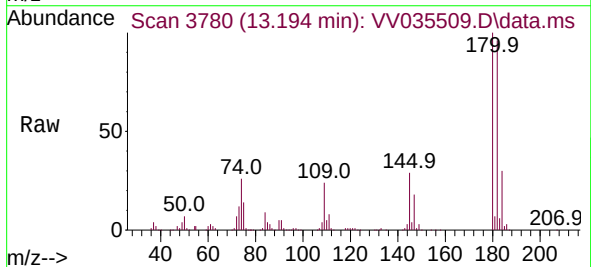
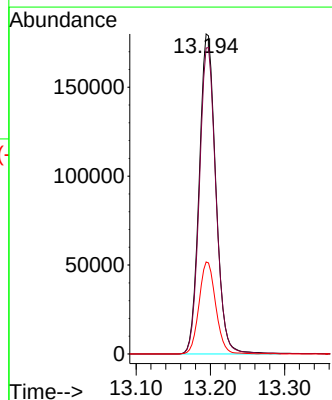
Tgt Ion:180 Resp: 279286

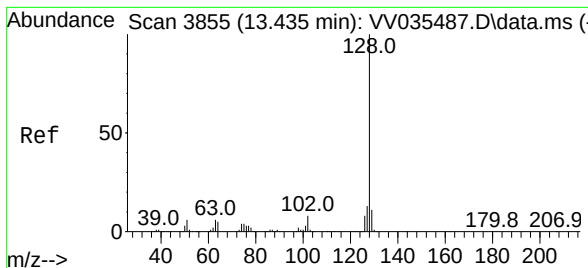
Ion Ratio Lower Upper

180 100

182 95.6 75.7 113.5

145 28.8 23.0 34.4





#71

Naphthalene

Concen: 55.893 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Instrument :

MSVOA_V

ClientSampleId :

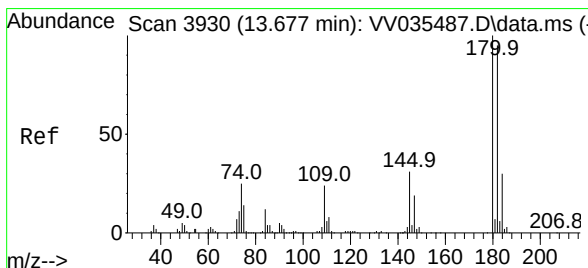
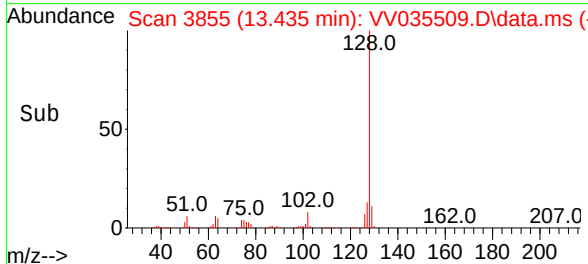
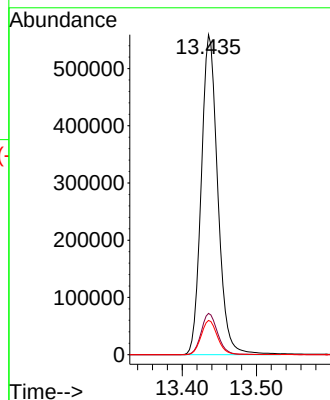
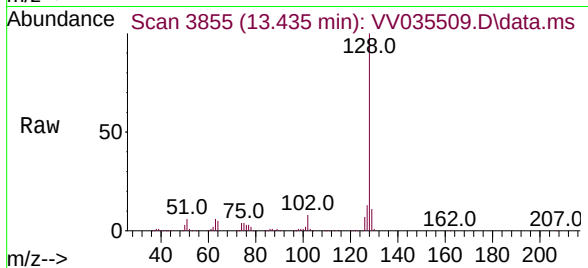
Tgt Ion:128 Resp: 862550

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 53.113 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV035509.D

Acq: 01 May 2024 20:10

Tgt Ion:180 Resp: 303557

Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.2

145 30.8 24.9 37.3

