

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV102224\
 Data File : VV037911.D
 Acq On : 22 Oct 2024 15:53
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 23 01:18:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 23 01:16:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	270507	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	286506	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	151268	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	67136	3.768	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.400%
7) Chloroethane-d5	1.526	69	63464	3.999	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.050	65	32473	3.913	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.200%
20) 2-Butanone-d5	3.793	46	163619	40.092	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.180%
24) Chloroform-d	4.240	84	176209	4.610	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	4.934	65	75780	4.296	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
32) Benzene-d6	4.950	84	314926	4.299	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.000%
36) 1,2-Dichloropropane-d6	5.982	67	93524	4.270	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.400%
41) Toluene-d8	7.236	98	290438	4.319	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	7.555	79	34165	4.077	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.600%
46) 2-Hexanone-d5	8.021	63	139298	39.708	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.420%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	78391	4.370	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.400%
66) 1,2-Dichlorobenzene-d4	11.554	152	109518	4.246	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	132748	4.925	ug/L	98
3) Chloromethane	1.214	50	130431	5.028	ug/L	99
5) Vinyl chloride	1.278	62	136227	5.128	ug/L	97
6) Bromomethane	1.484	94	75465	4.468	ug/L	100
8) Chloroethane	1.545	64	85914	5.341	ug/L	100
9) Trichlorofluoromethane	1.706	101	188812	5.293	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	113129	5.463	ug/L	99
12) 1,1-Dichloroethene	2.063	96	102564	5.223	ug/L	91
13) Acetone	2.117	43	130168	42.164	ug/L	97
14) Carbon disulfide	2.233	76	326578	4.864	ug/L	99
15) Methyl Acetate	2.378	43	33598	4.241	ug/L	97
16) Methylene chloride	2.439	84	118413	4.696	ug/L	99
17) Methyl tert-butyl Ether	2.696	73	212597	4.667	ug/L	100
18) trans-1,2-Dichloroethene	2.687	96	113122	5.170	ug/L	97
19) 1,1-Dichloroethane	3.101	63	209457	5.433	ug/L	99
21) 2-Butanone	3.870	43	183495	39.327	ug/L	99
22) cis-1,2-Dichloroethene	3.806	96	118286	5.273	ug/L	97
23) Bromochloromethane	4.140	128	51669	4.964	ug/L	98
25) Chloroform	4.265	83	220619	5.433	ug/L	100

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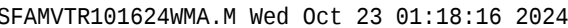
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 MSVOA_V
 ClientSampleId :

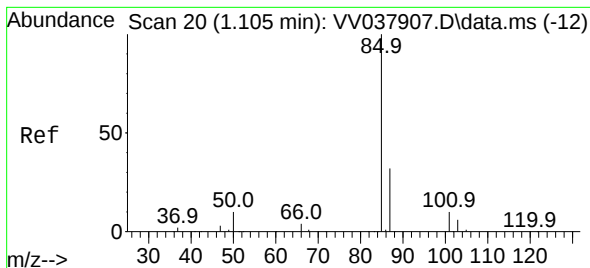
Quant Time: Oct 23 01:18:07 2024
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 23 01:16:33 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	112340	5.045	ug/L	100
29) 1,1,1-Trichloroethane	4.500	97	191908	5.444	ug/L	99
30) Cyclohexane	4.571	56	146229	4.786	ug/L	99
31) Carbon tetrachloride	4.722	117	161142	5.263	ug/L	100
33) Benzene	5.002	78	451632	5.285	ug/L	100
34) Trichloroethene	5.825	95	120735	5.250	ug/L	99
35) Methylcyclohexane	6.040	83	168287	4.943	ug/L	99
37) 1,2-Dichloropropane	6.085	63	110685	5.146	ug/L	100
38) Bromodichloromethane	6.426	83	143075	5.142	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	147810	4.747	ug/L	100
40) 4-Methyl-2-pentanone	7.149	43	496008	43.772	ug/L	99
42) Toluene	7.307	91	492153	5.514	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	120815	4.746	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	80012	5.004	ug/L	98
47) Tetrachloroethene	7.899	164	94021	5.235	ug/L	99
48) 2-Hexanone	8.072	43	348547	42.761	ug/L	98
49) Dibromochloromethane	8.169	129	87192	4.918	ug/L	97
50) 1,2-Dibromoethane	8.278	107	73124	4.781	ug/L	98
51) Chlorobenzene	8.809	112	317120	5.241	ug/L	99
52) Ethylbenzene	8.940	91	511579	5.240	ug/L	99
53) m,p-Xylene	9.066	106	196723	5.415	ug/L	96
54) o-Xylene	9.471	106	186327	5.249	ug/L	98
55) Styrene	9.490	104	335970	5.516	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	88835	4.737	ug/L	96
59) Bromoform	9.661	173	42447	4.434	ug/L	96
60) Isopropylbenzene	9.860	105	512569	5.318	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	60574	4.567	ug/L	100
62) 1,3,5-Trimethylbenzene	10.471	105	389200	5.108	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	395852	5.229	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	258747	5.269	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	262417	5.211	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	229844	5.060	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	12129	4.373	ug/L #	89
69) 1,3,5-Trichlorobenzene	12.577	180	179515	5.070	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	134511	4.664	ug/L	100
71) Naphthalene	13.435	128	151743	3.386	ug/L	98
72) 1,2,3-Trichlorobenzene	13.673	180	111348	4.364	ug/L	99

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

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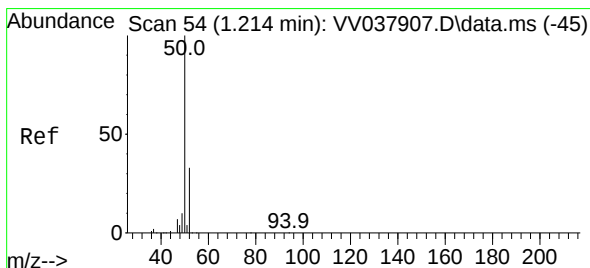
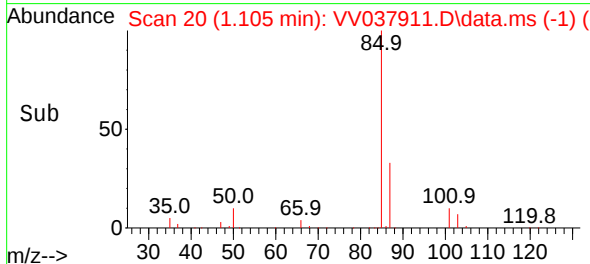
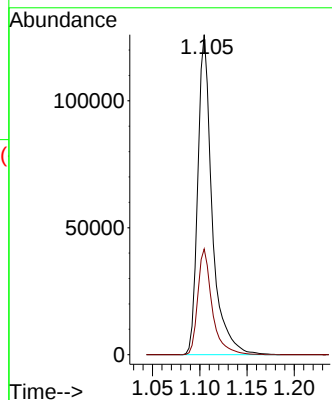
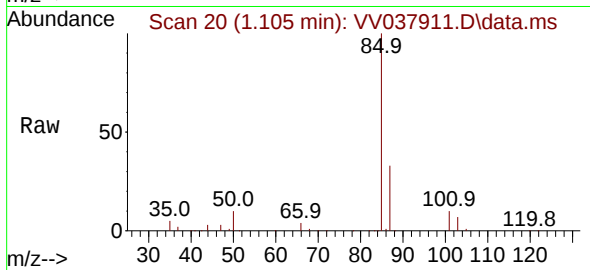




#2
 Dichlorodifluoromethane
 Concen: 4.925 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV037911.D
 Acq: 22 Oct 2024 15:53

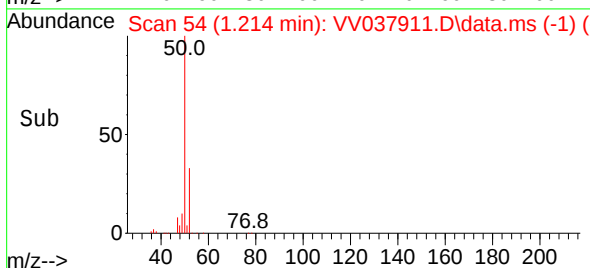
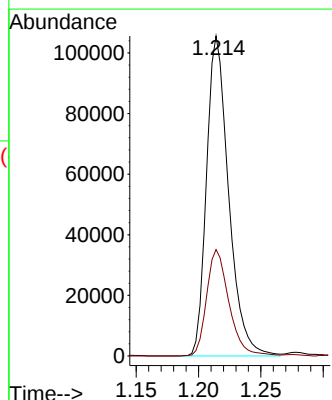
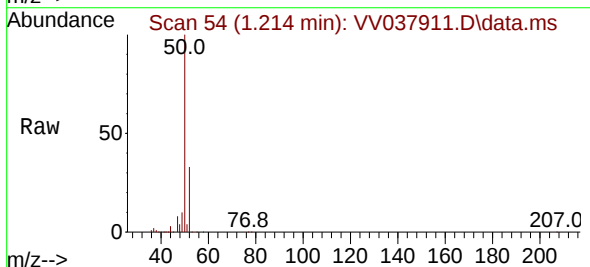
Instrument :
 MSVOA_V
 ClientSampleId :

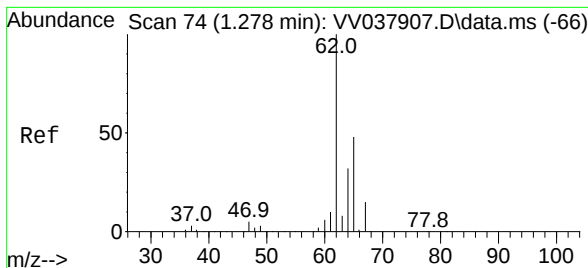
Tgt Ion: 85 Resp: 132748
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.8 38.6



#3
 Chloromethane
 Concen: 5.028 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV037911.D
 Acq: 22 Oct 2024 15:53

Tgt Ion: 50 Resp: 130431
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.7 42.3





#5

Vinyl chloride

Concen: 5.128 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

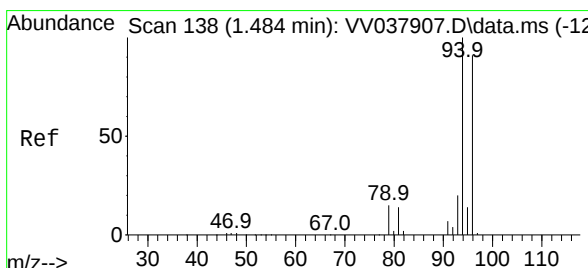
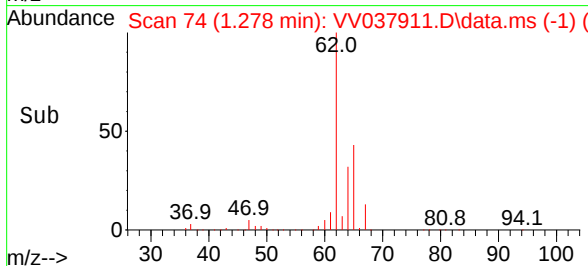
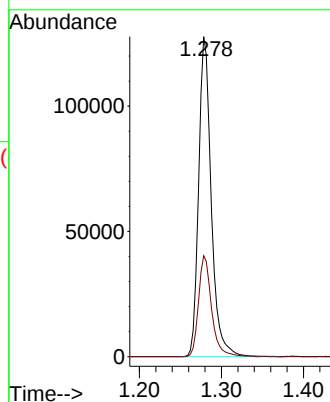
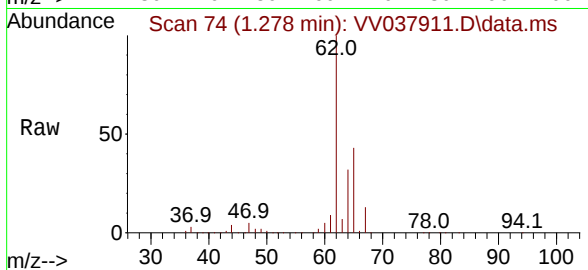
ClientSampleId :

Tgt Ion: 62 Resp: 136227

Ion Ratio Lower Upper

62 100

64 31.5 23.4 43.6



#6

Bromomethane

Concen: 4.468 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.000 min

Lab File: VV037911.D

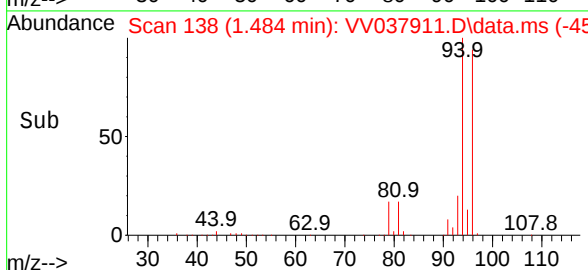
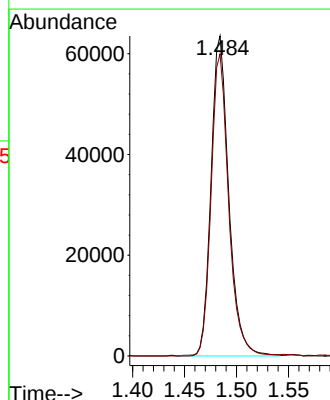
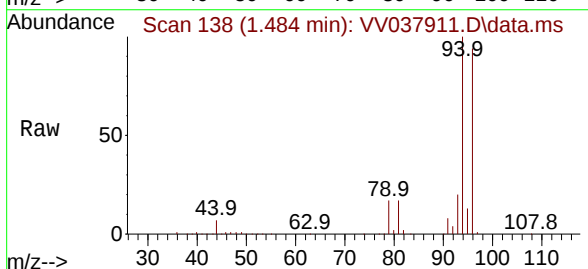
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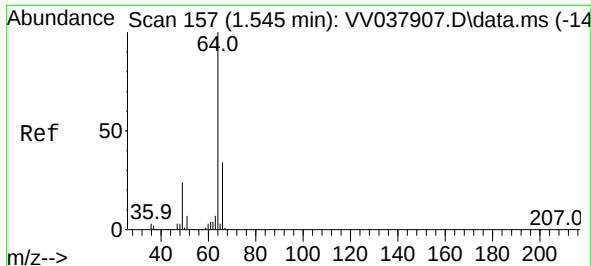
Tgt Ion: 94 Resp: 75465

Ion Ratio Lower Upper

94 100

96 94.4 66.1 122.7

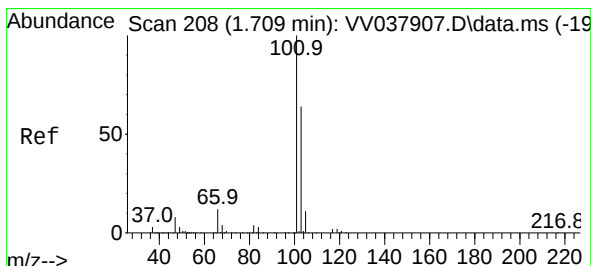
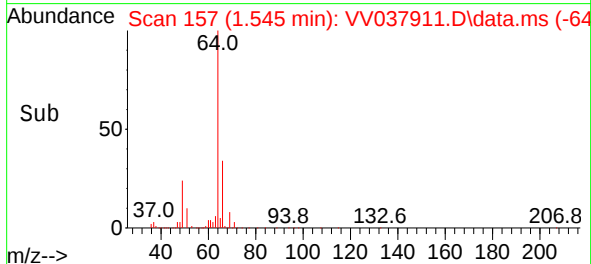
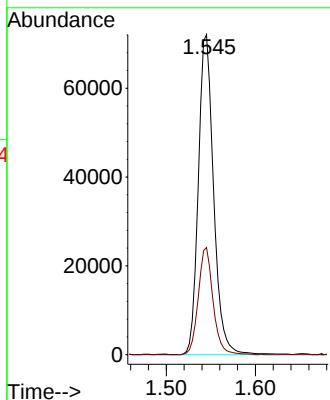
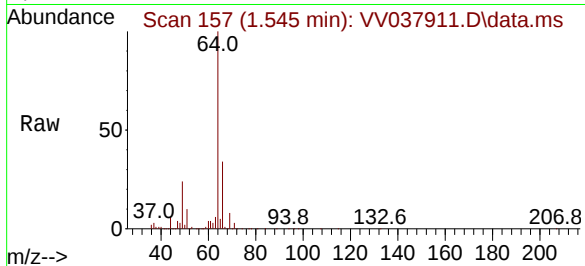




#8
Chloroethane
Concen: 5.341 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

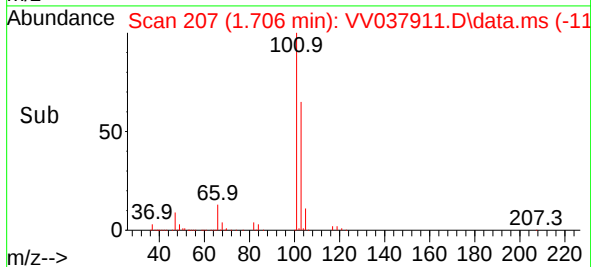
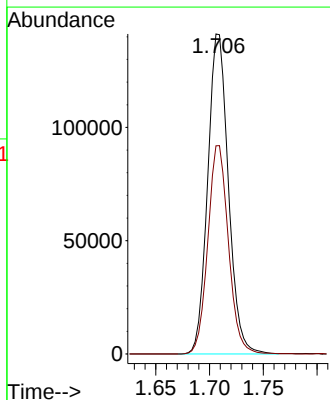
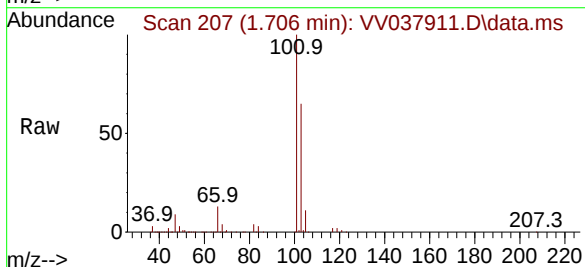
Instrument :
MSVOA_V
ClientSampleId :

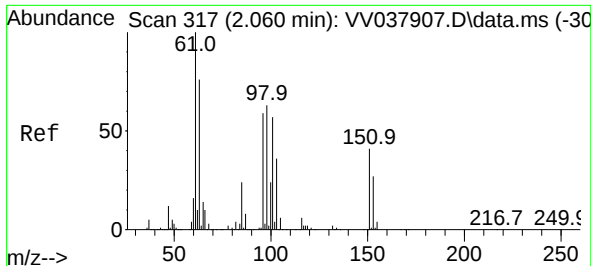
Tgt Ion: 64 Resp: 85914
Ion Ratio Lower Upper
64 100
66 33.5 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.293 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

Tgt Ion:101 Resp: 188812
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.2

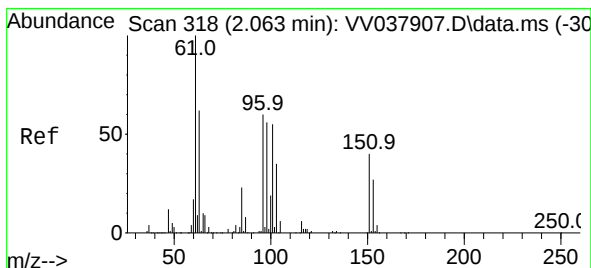
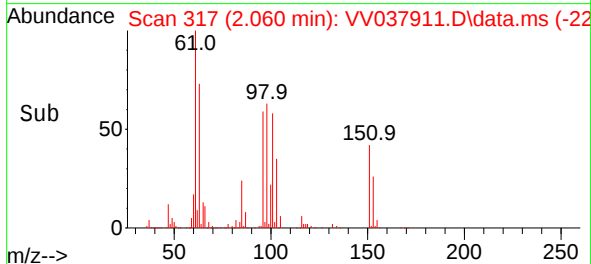
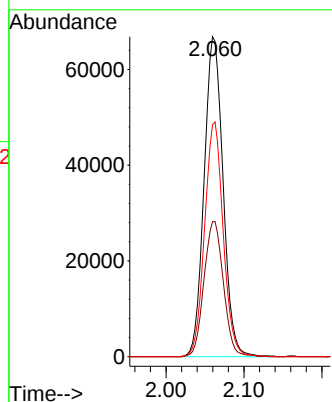
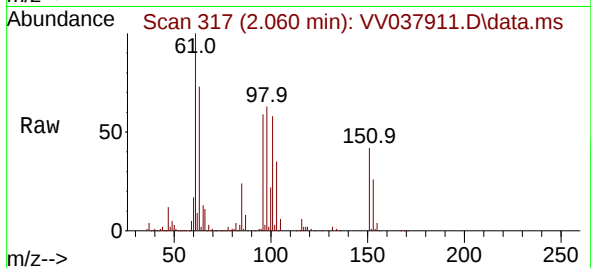




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.463 ug/L
 RT: 2.060 min Scan# 317
 Delta R.T. -0.000 min
 Lab File: VV037911.D
 Acq: 22 Oct 2024 15:53

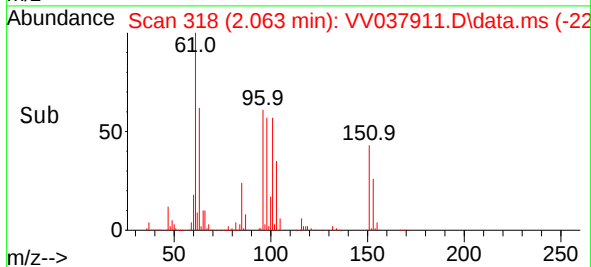
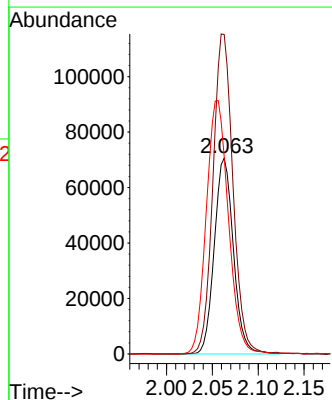
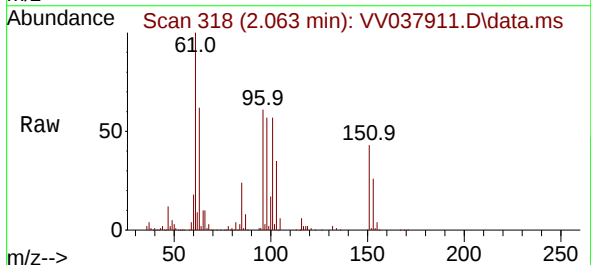
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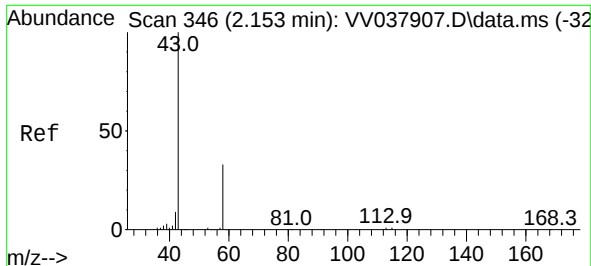
Tgt Ion:101 Resp: 113129
 Ion Ratio Lower Upper
 101 100
 85 43.2 33.6 50.4
 151 72.0 57.3 85.9



#12
 1,1-Dichloroethene
 Concen: 5.223 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV037911.D
 Acq: 22 Oct 2024 15:53

Tgt Ion: 96 Resp: 102564
 Ion Ratio Lower Upper
 96 100
 61 163.3 116.3 215.9
 63 100.8 84.9 157.7





#13

Acetone

Concen: 42.164 ug/L

RT: 2.117 min Scan# 346

Delta R.T. -0.035 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

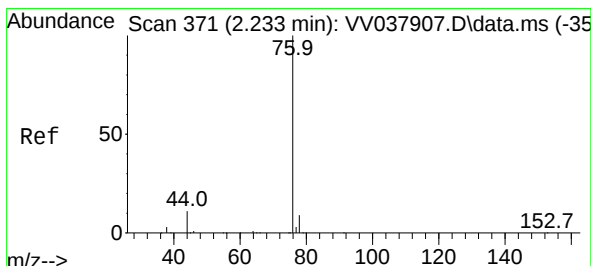
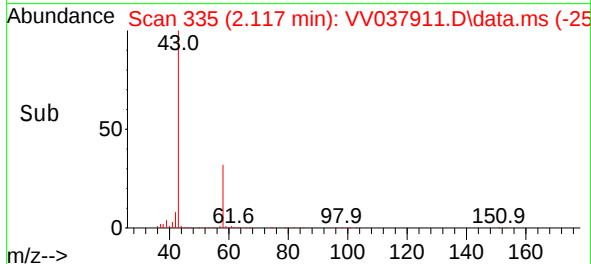
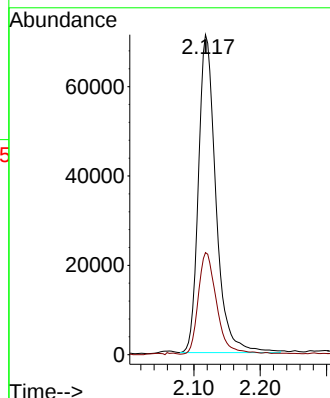
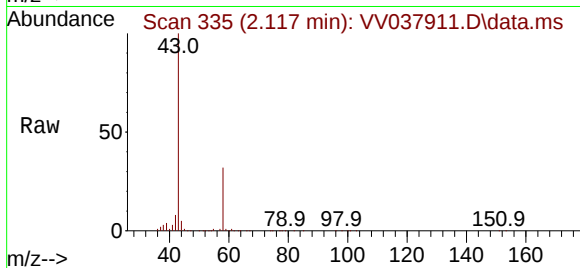
ClientSampleId :

Tgt Ion: 43 Resp: 130168

Ion Ratio Lower Upper

43 100

58 33.6 0.0 70.6



#14

Carbon disulfide

Concen: 4.864 ug/L

RT: 2.233 min Scan# 371

Delta R.T. -0.000 min

Lab File: VV037911.D

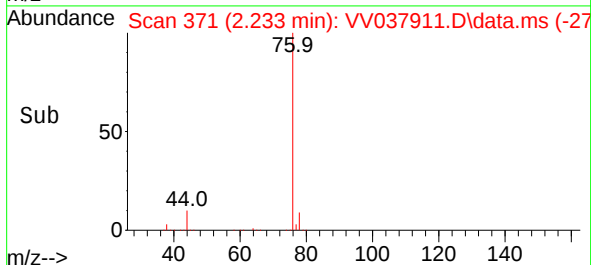
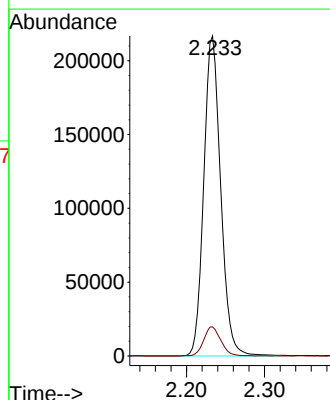
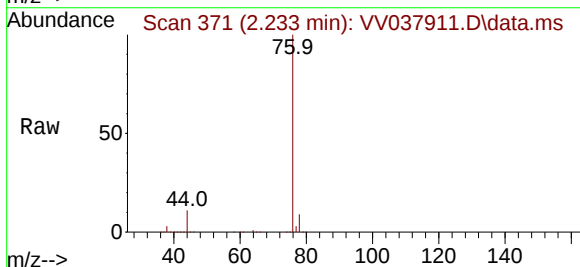
Acq: 22 Oct 2024 15:53

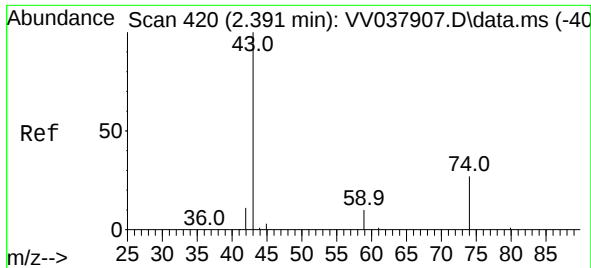
Tgt Ion: 76 Resp: 326578

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

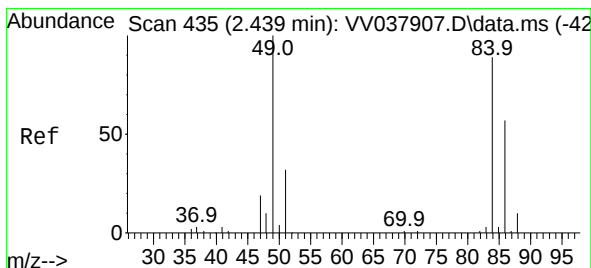
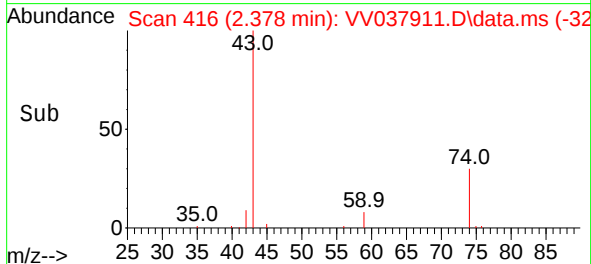
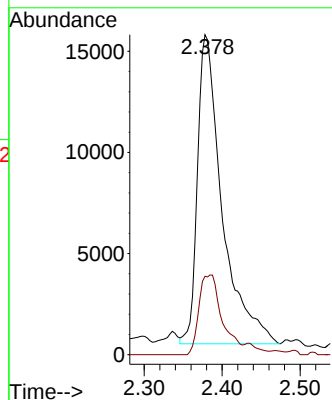
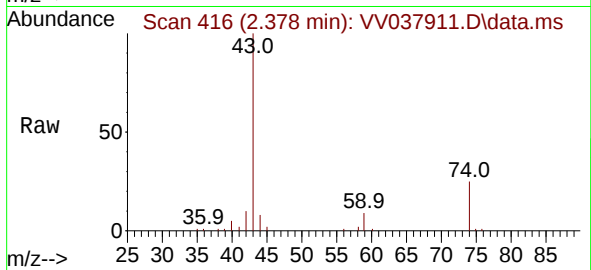




#15
Methyl Acetate
Concen: 4.241 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.013 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

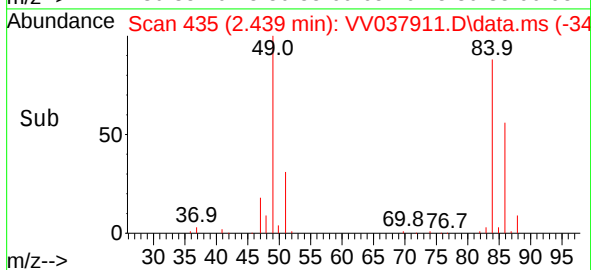
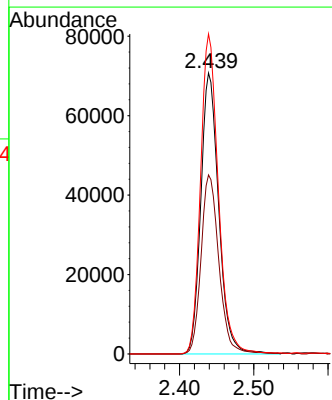
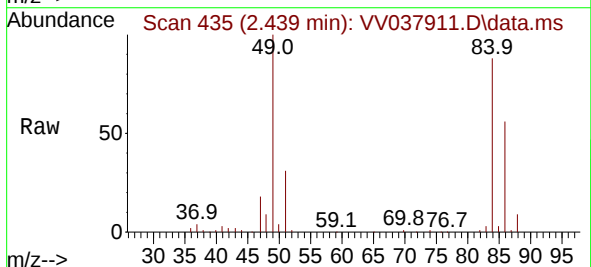
Instrument :
MSVOA_V
ClientSampleId :

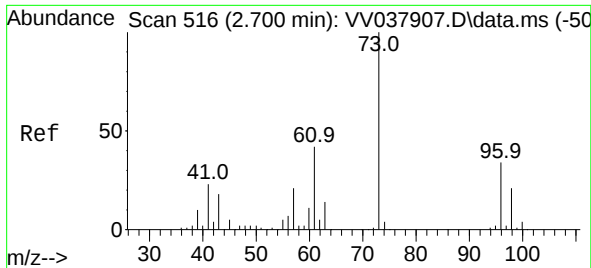
Tgt Ion: 43 Resp: 33598
Ion Ratio Lower Upper
43 100
74 24.2 20.4 30.6



#16
Methylene chloride
Concen: 4.696 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

Tgt Ion: 84 Resp: 118413
Ion Ratio Lower Upper
84 100
86 63.7 44.0 81.6
49 113.9 78.8 146.4





#17

Methyl tert-butyl Ether

Concen: 4.667 ug/L

RT: 2.696 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

ClientSampleId :

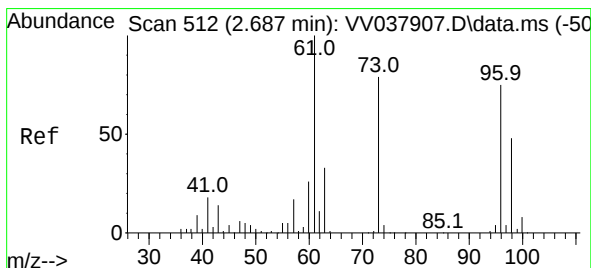
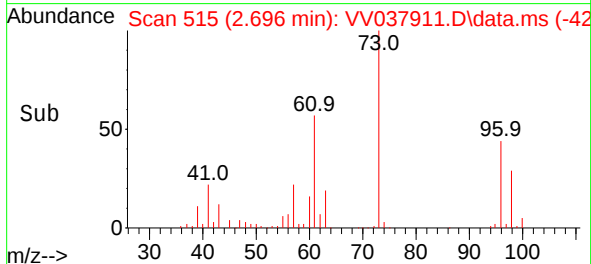
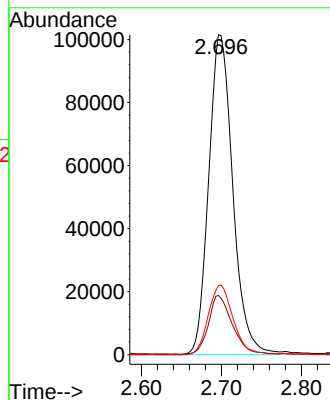
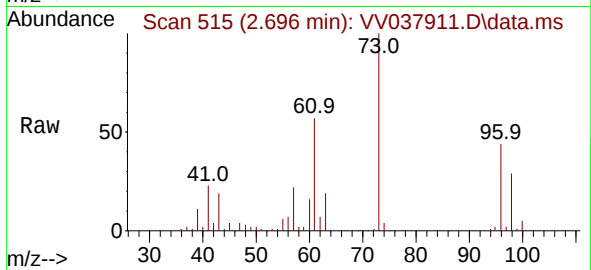
Tgt Ion: 73 Resp: 212597

Ion Ratio Lower Upper

73 100

43 18.0 14.2 21.2

57 22.4 17.9 26.9



#18

trans-1,2-Dichloroethene

Concen: 5.170 ug/L

RT: 2.687 min Scan# 512

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

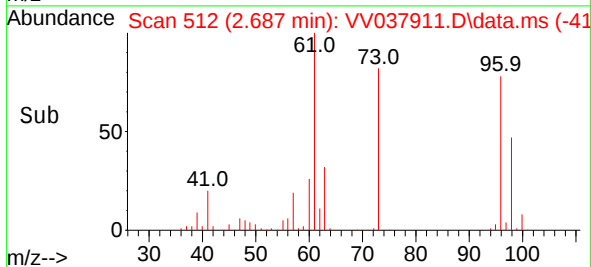
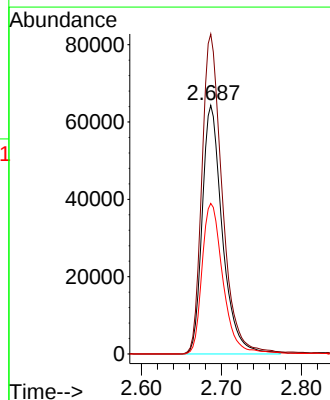
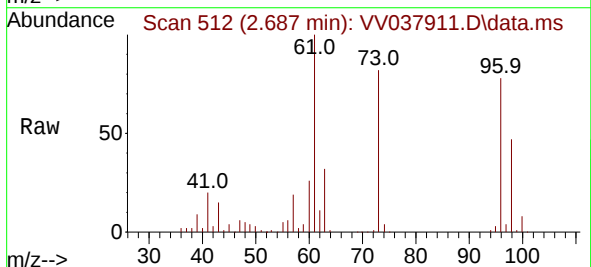
Tgt Ion: 96 Resp: 113122

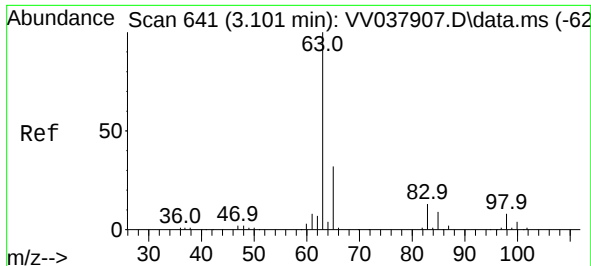
Ion Ratio Lower Upper

96 100

61 128.7 88.4 164.2

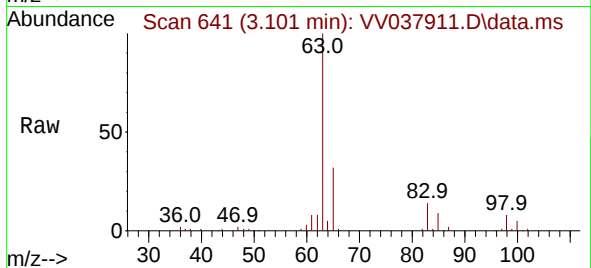
98 60.6 44.6 82.8



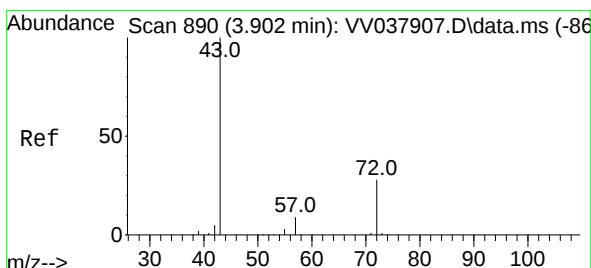
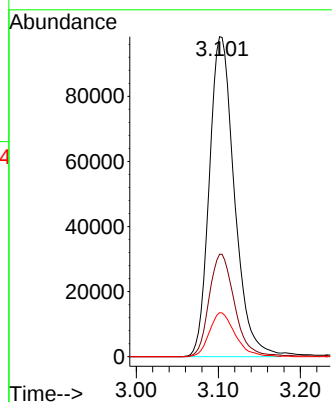
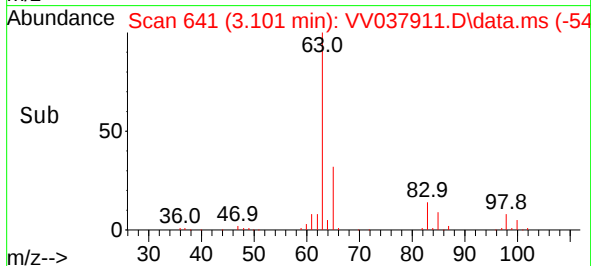


#19
1,1-Dichloroethane
Concen: 5.433 ug/L
RT: 3.101 min Scan# 641
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

Instrument :
MSVOA_V
ClientSampleId :

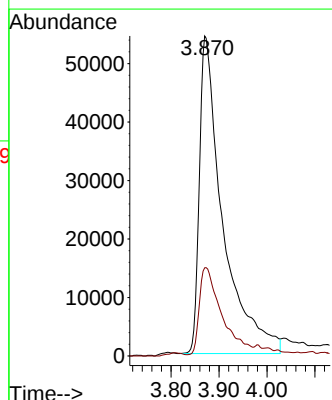
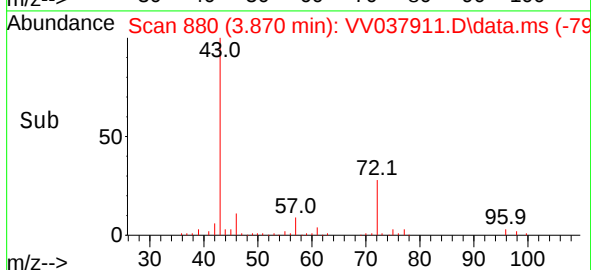
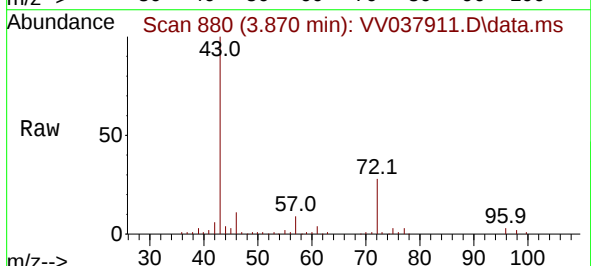


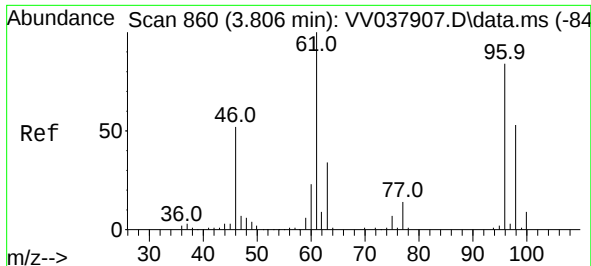
Tgt Ion: 63 Resp: 209457
Ion Ratio Lower Upper
63 100
65 32.0 21.8 40.4
83 13.7 9.9 18.3



#21
2-Butanone
Concen: 39.327 ug/L
RT: 3.870 min Scan# 880
Delta R.T. -0.032 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

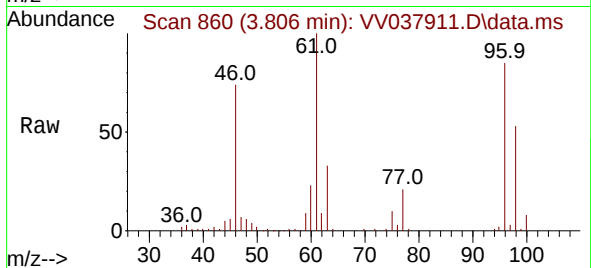
Tgt Ion: 43 Resp: 183495
Ion Ratio Lower Upper
43 100
72 26.2 13.0 38.9



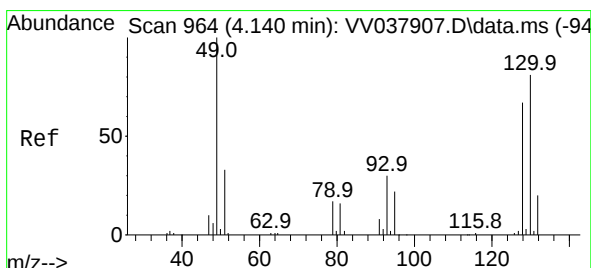
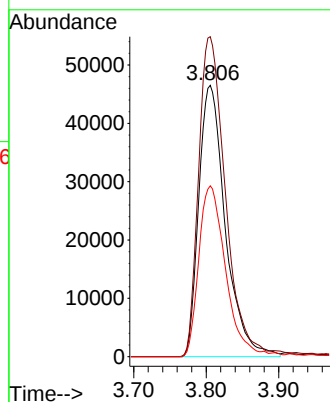
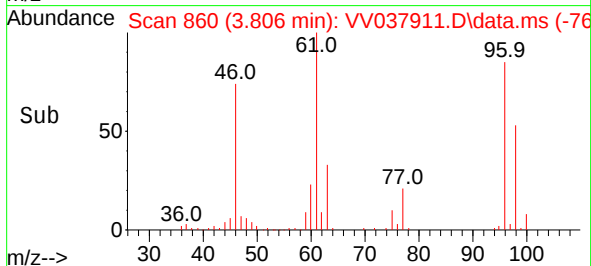


#22
cis-1,2-Dichloroethene
Concen: 5.273 ug/L
RT: 3.806 min Scan# 860
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

Instrument :
MSVOA_V
ClientSampleId :

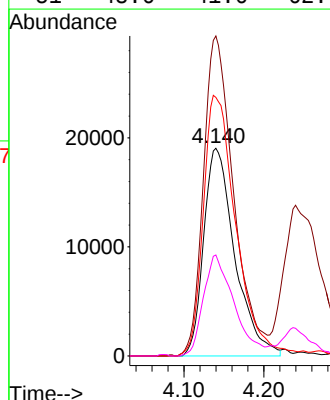
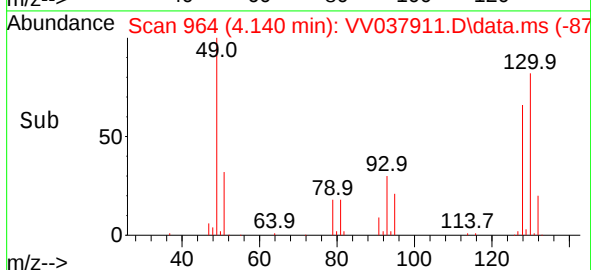
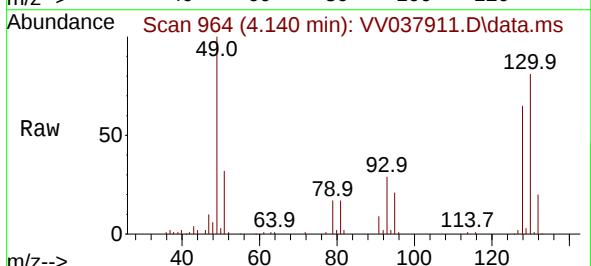


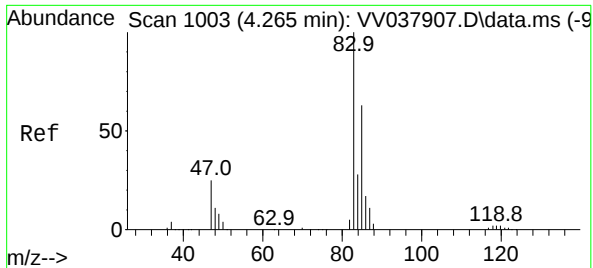
Tgt Ion: 96 Resp: 118286
Ion Ratio Lower Upper
96 100
61 117.9 85.5 158.9
98 63.0 45.5 84.5



#23
Bromochloromethane
Concen: 4.964 ug/L
RT: 4.140 min Scan# 964
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

Tgt Ion:128 Resp: 51669
Ion Ratio Lower Upper
128 100
49 154.1 107.0 198.6
130 124.5 88.0 163.4
51 48.6 41.6 62.4





#25

Chloroform

Concen: 5.433 ug/L

RT: 4.265 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

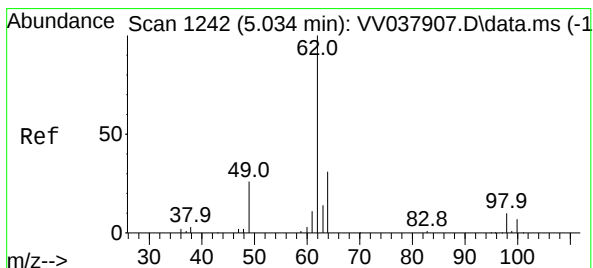
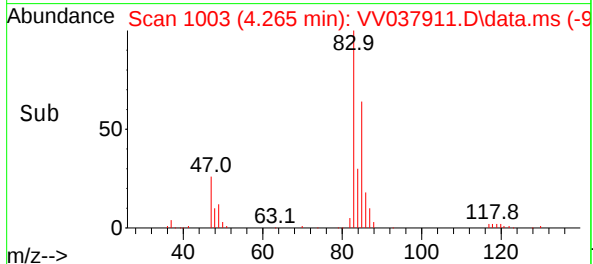
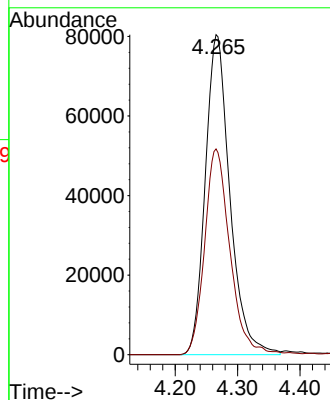
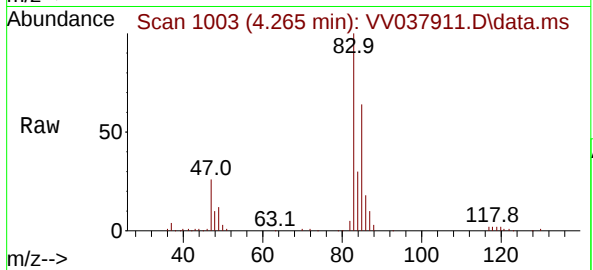
ClientSampleId :

Tgt Ion: 83 Resp: 220619

Ion Ratio Lower Upper

83 100

85 64.3 45.3 84.1



#27

1,2-Dichloroethane

Concen: 5.045 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.000 min

Lab File: VV037911.D

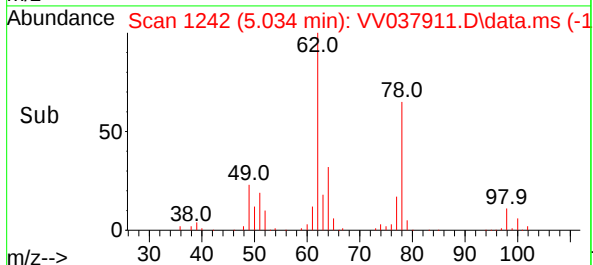
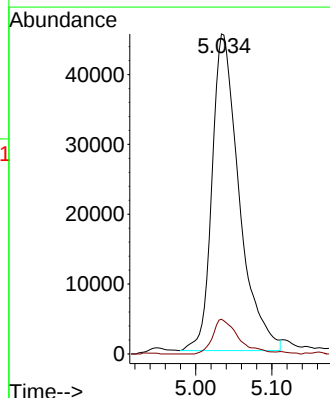
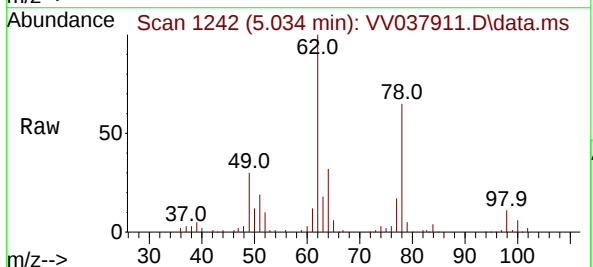
Acq: 22 Oct 2024 15:53

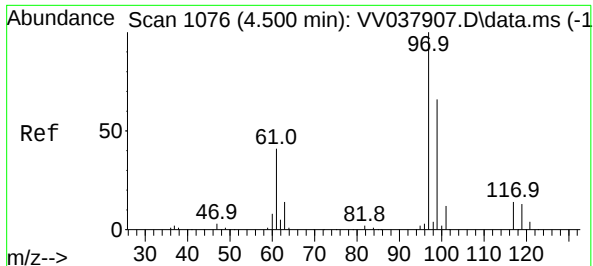
Tgt Ion: 62 Resp: 112340

Ion Ratio Lower Upper

62 100

98 10.9 8.8 13.2

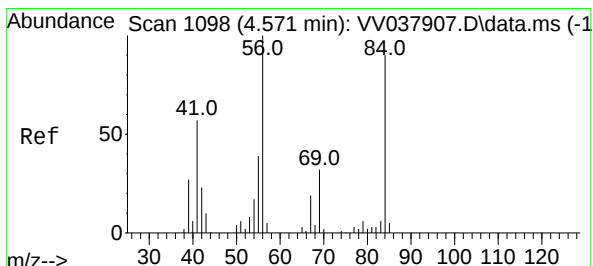
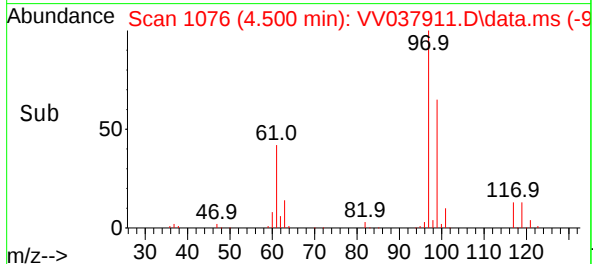
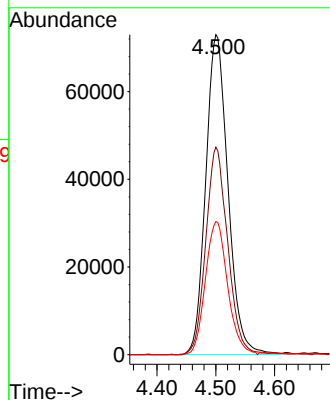
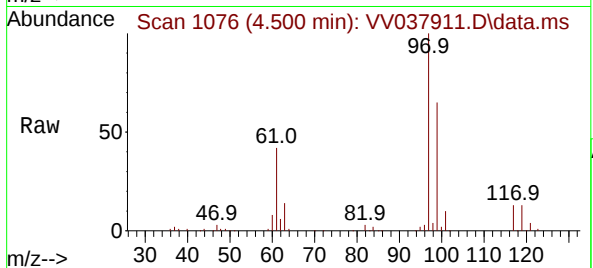




#29
1,1,1-Trichloroethane
Concen: 5.444 ug/L
RT: 4.500 min Scan# 1076
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

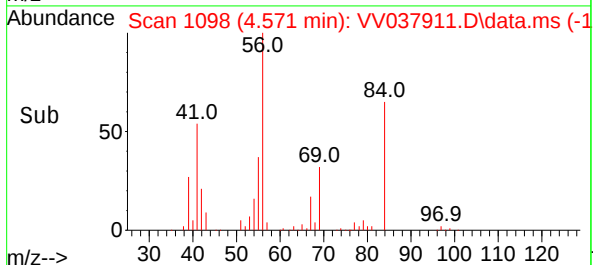
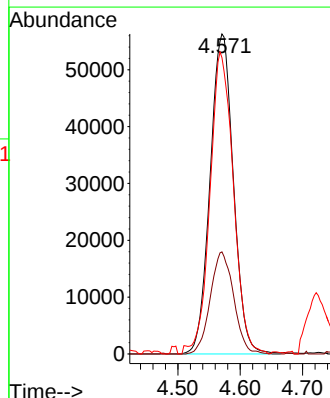
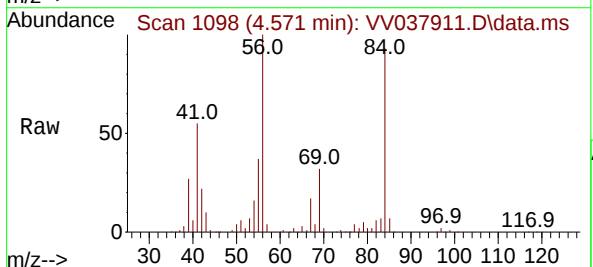
Instrument :
MSVOA_V
ClientSampleId :

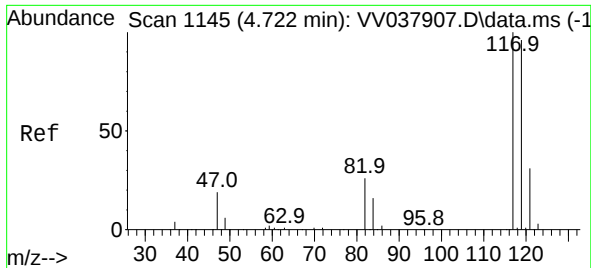
Tgt Ion: 97 Resp: 191908
Ion Ratio Lower Upper
97 100
99 63.9 51.9 77.9
61 41.6 33.9 50.9



#30
Cyclohexane
Concen: 4.786 ug/L
RT: 4.571 min Scan# 1098
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

Tgt Ion: 56 Resp: 146229
Ion Ratio Lower Upper
56 100
69 31.9 25.3 37.9
84 93.9 73.9 110.9

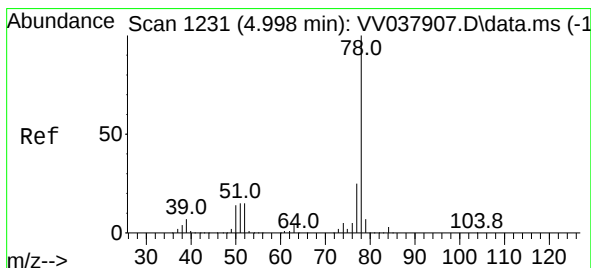
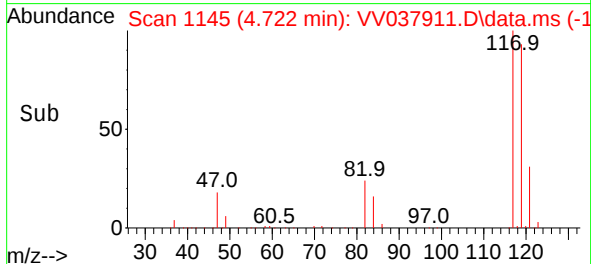
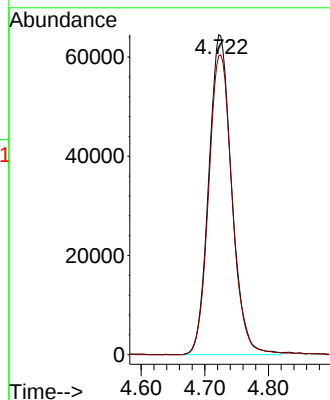
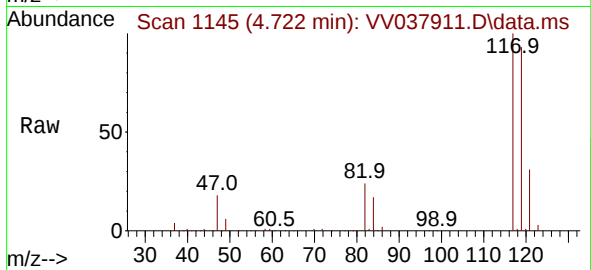




#31
Carbon tetrachloride
Concen: 5.263 ug/L
RT: 4.722 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

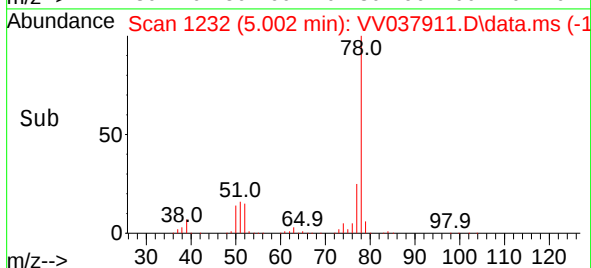
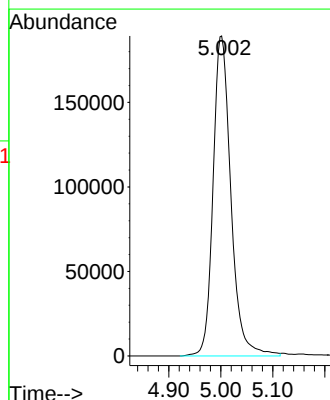
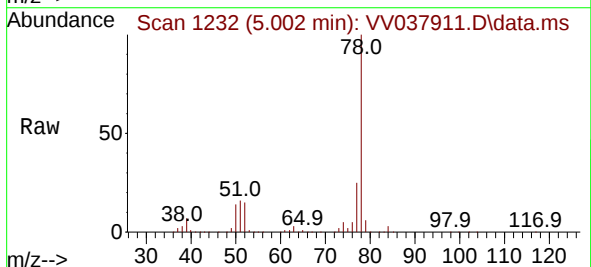
Instrument :
MSVOA_V
ClientSampleId :

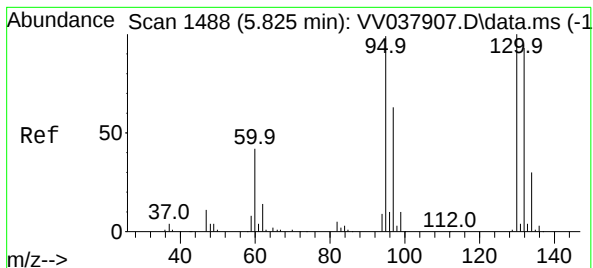
Tgt Ion:117 Resp: 161142
Ion Ratio Lower Upper
117 100
119 96.5 77.4 116.0



#33
Benzene
Concen: 5.285 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. 0.003 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

Tgt Ion: 78 Resp: 451632





#34

Trichloroethene

Concen: 5.250 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 120735

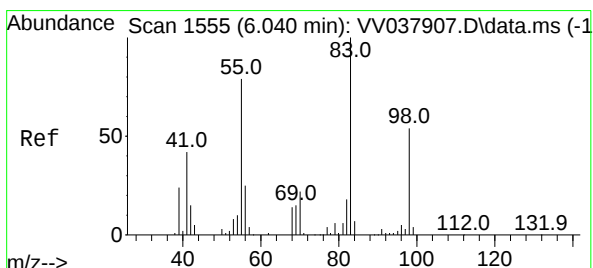
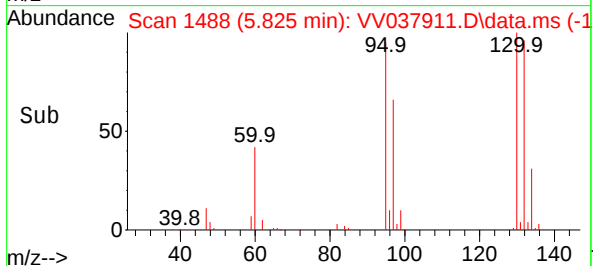
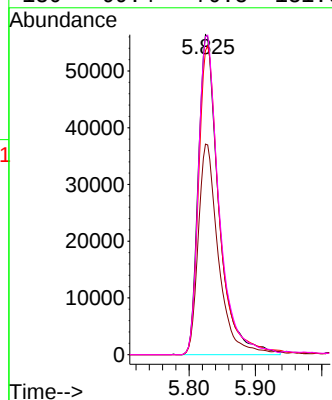
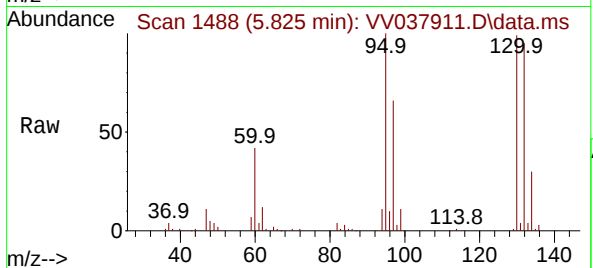
Ion Ratio Lower Upper

95 100

97 65.8 46.1 85.5

132 95.1 67.3 124.9

130 99.4 70.8 131.6



#35

Methylcyclohexane

Concen: 4.943 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

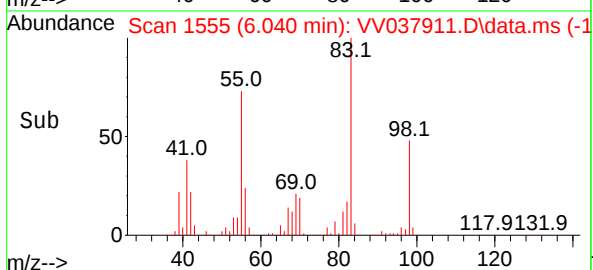
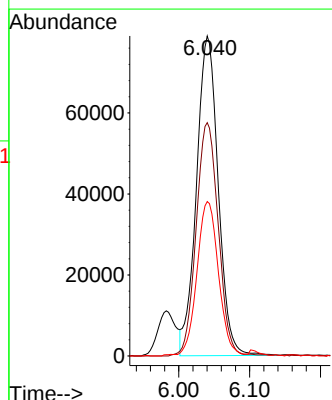
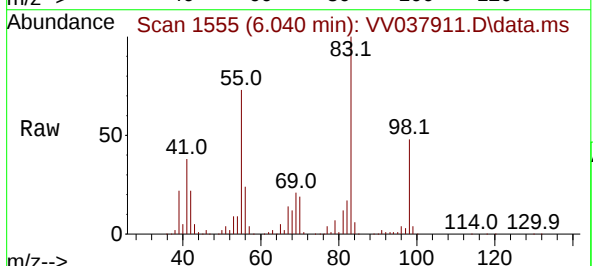
Tgt Ion: 83 Resp: 168287

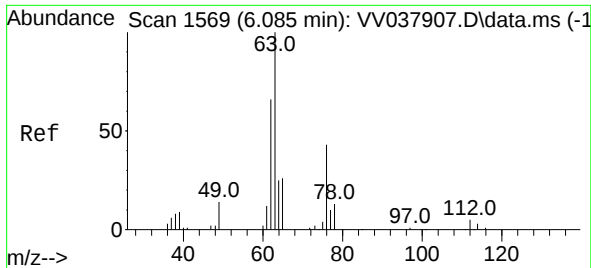
Ion Ratio Lower Upper

83 100

55 74.1 59.7 89.5

98 48.0 37.8 56.6

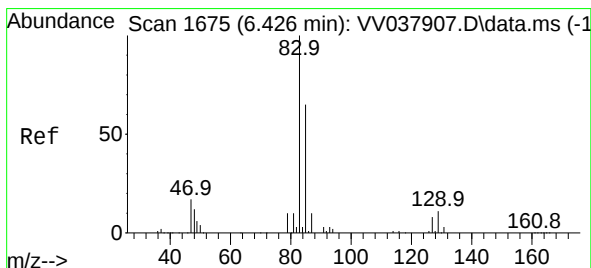
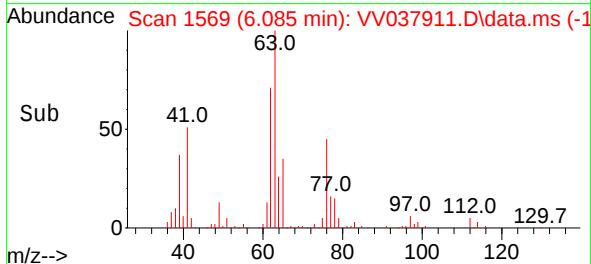
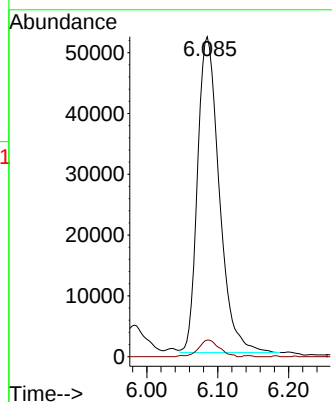
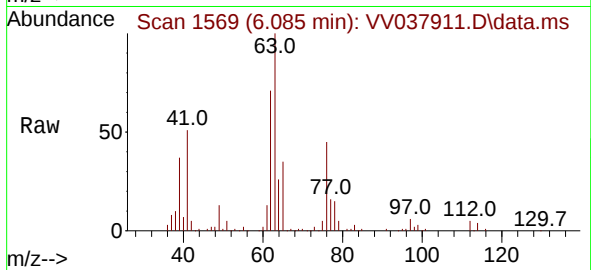




#37
1,2-Dichloropropane
Concen: 5.146 ug/L
RT: 6.085 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

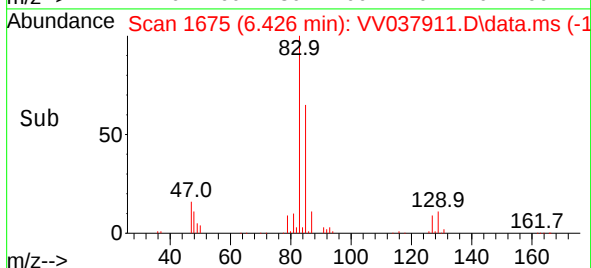
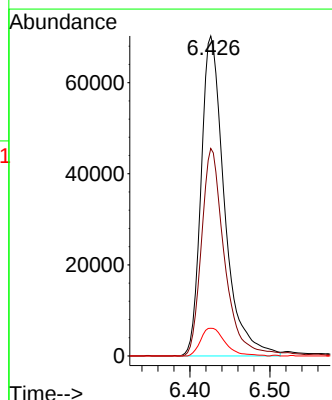
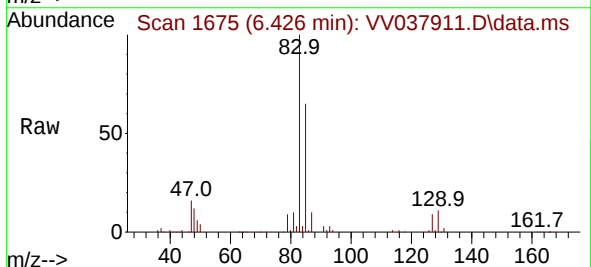
Instrument :
MSVOA_V
ClientSampleId :

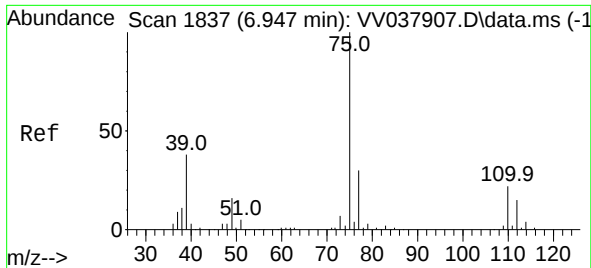
Tgt Ion: 63 Resp: 110685
Ion Ratio Lower Upper
63 100
112 5.0 3.9 5.9



#38
Bromodichloromethane
Concen: 5.142 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

Tgt Ion: 83 Resp: 143075
Ion Ratio Lower Upper
83 100
85 64.9 45.3 84.1
127 8.7 6.6 10.0

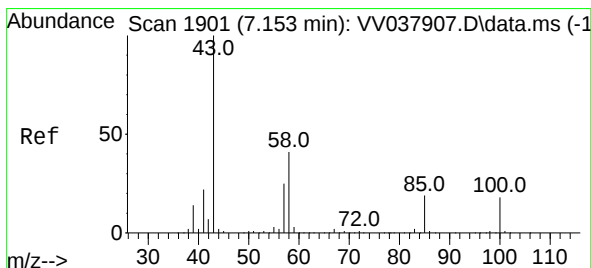
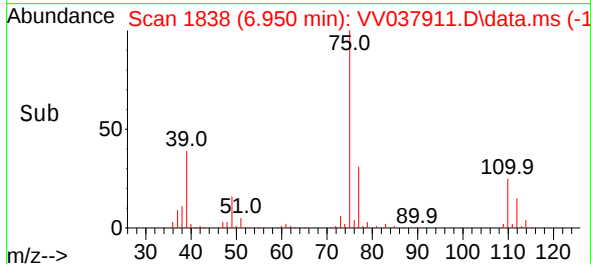
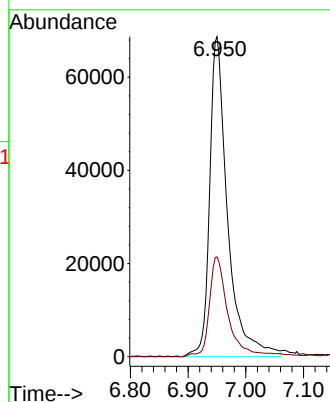
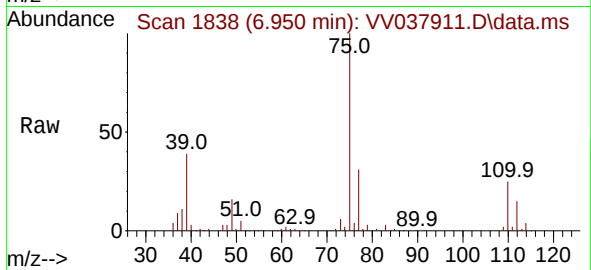




#39
cis-1,3-Dichloropropene
Concen: 4.747 ug/L
RT: 6.950 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

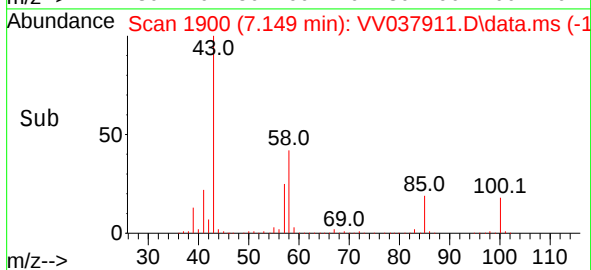
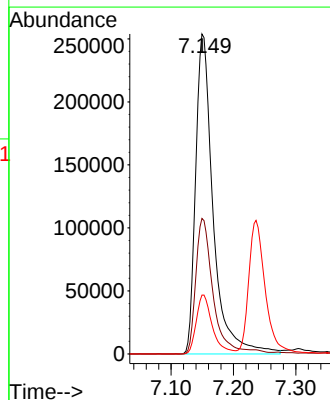
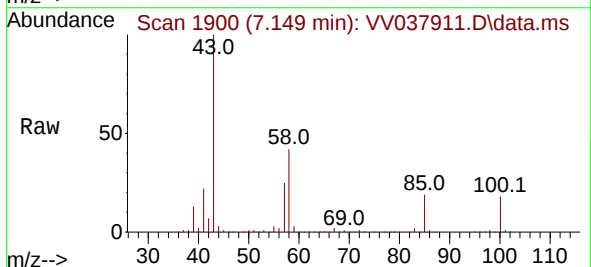
Instrument :
MSVOA_V
ClientSampleId :

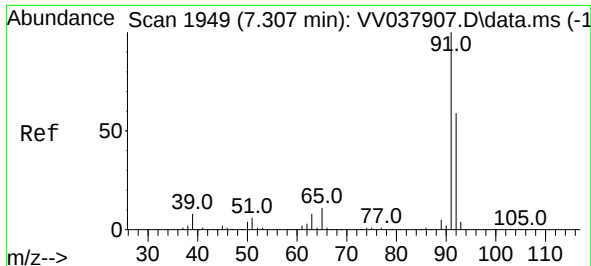
Tgt Ion: 75 Resp: 147810
Ion Ratio Lower Upper
75 100
77 31.2 21.8 40.6



#40
4-Methyl-2-pentanone
Concen: 43.772 ug/L
RT: 7.149 min Scan# 1900
Delta R.T. -0.003 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

Tgt Ion: 43 Resp: 496008
Ion Ratio Lower Upper
43 100
58 42.1 34.3 51.5
100 16.9 13.3 19.9





#42

Toluene

Concen: 5.514 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

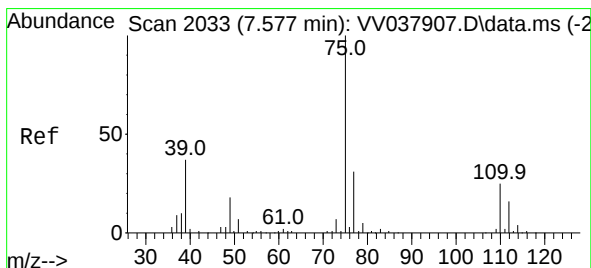
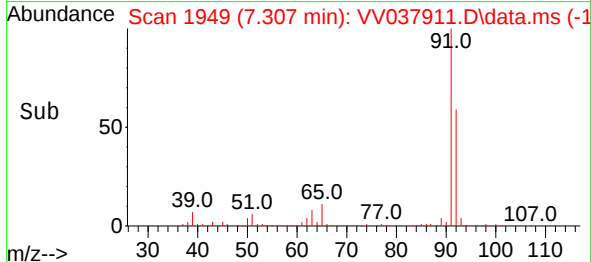
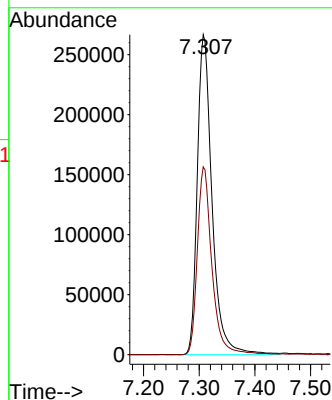
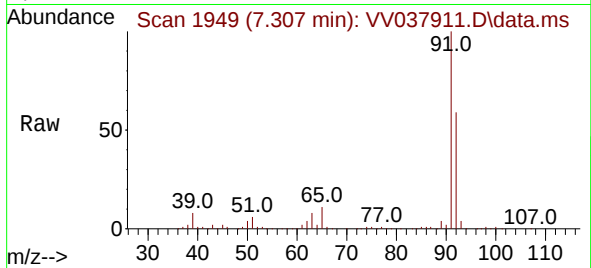
ClientSampleId :

Tgt Ion: 91 Resp: 492153

Ion Ratio Lower Upper

91 100

92 58.7 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 4.746 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV037911.D

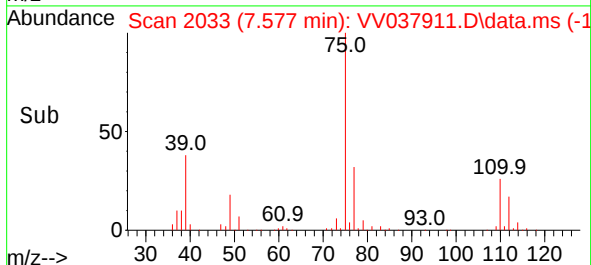
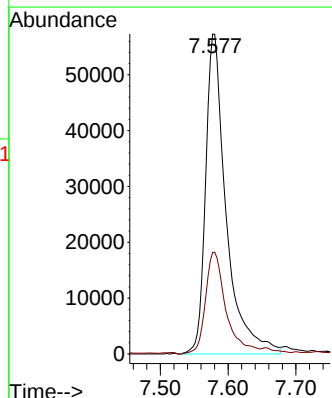
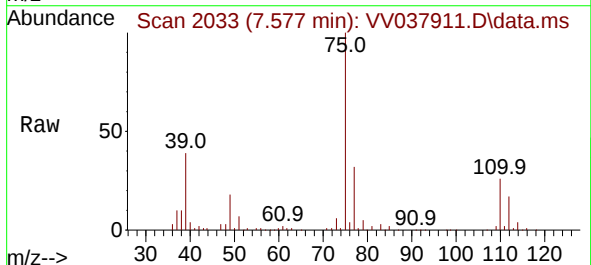
Acq: 22 Oct 2024 15:53

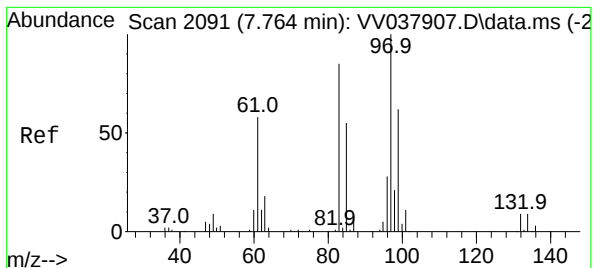
Tgt Ion: 75 Resp: 120815

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 5.004 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 80012

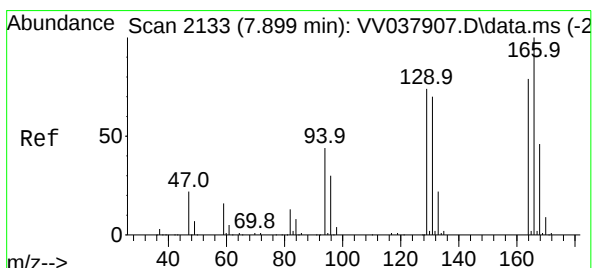
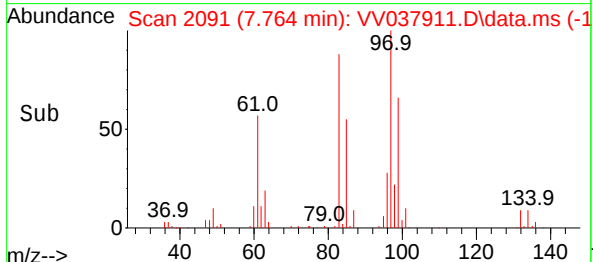
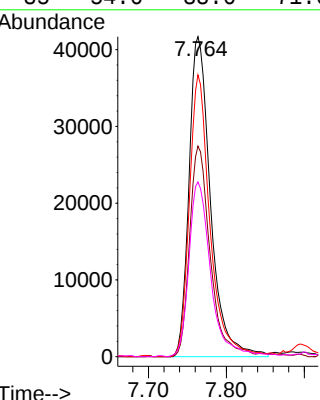
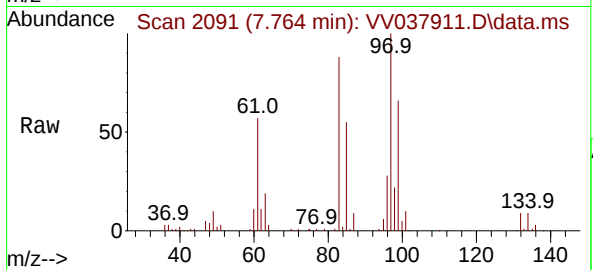
Ion Ratio Lower Upper

97 100

99 65.8 43.5 80.7

83 88.1 61.0 113.2

85 54.6 38.6 71.6



#47

Tetrachloroethene

Concen: 5.235 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Tgt Ion: 164 Resp: 94021

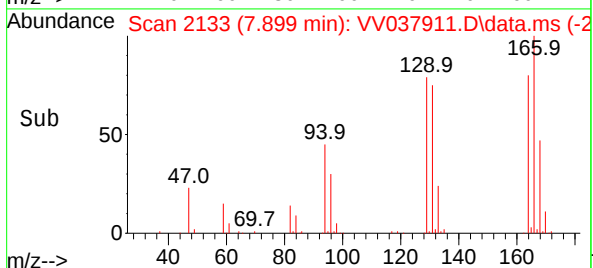
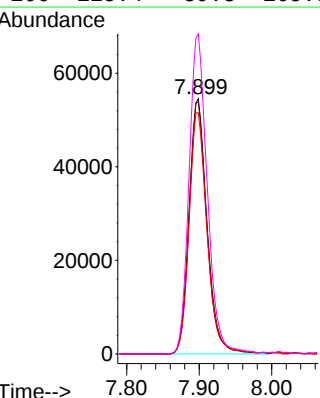
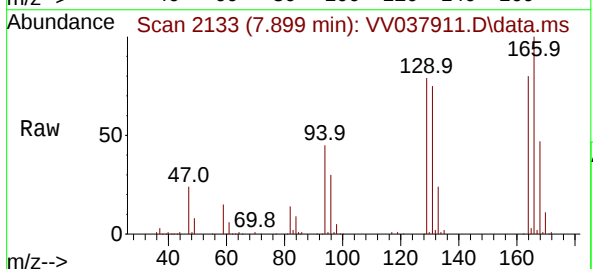
Ion Ratio Lower Upper

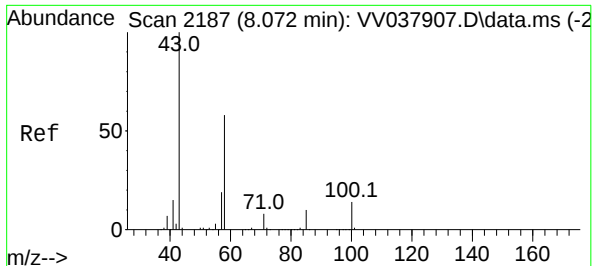
164 100

129 98.7 68.7 127.7

131 94.5 65.0 120.8

166 125.4 89.3 165.9

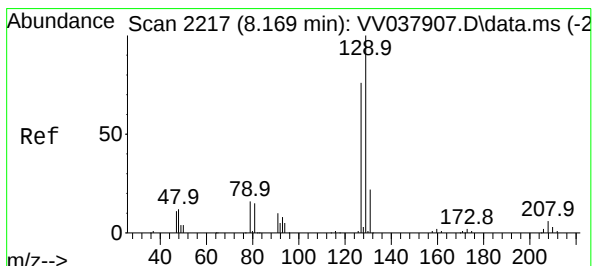
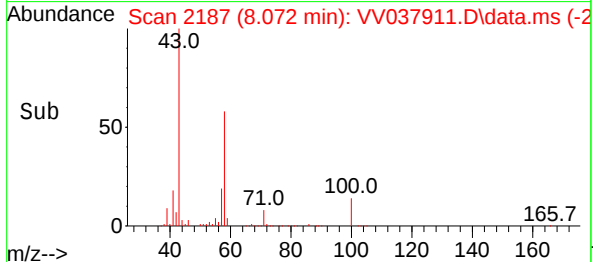
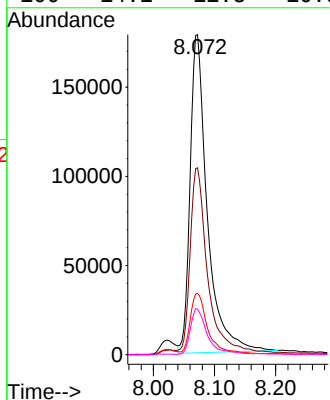
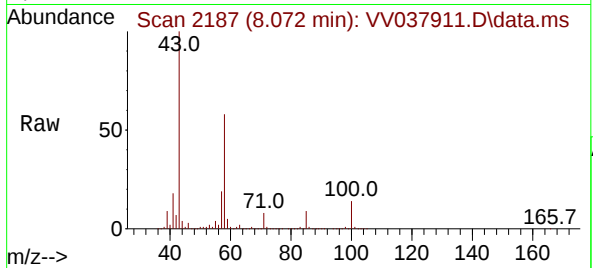




#48
2-Hexanone
Concen: 42.761 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

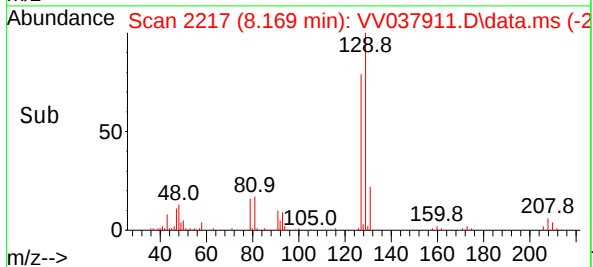
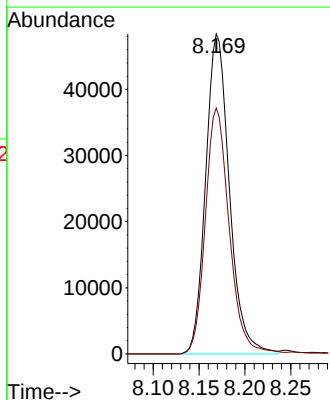
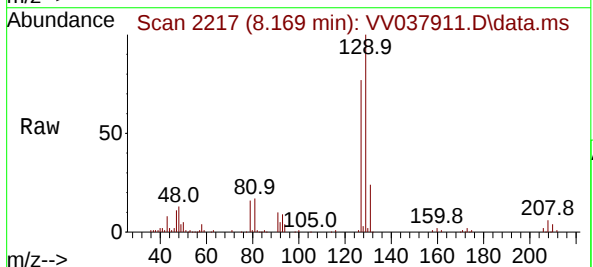
Instrument :
MSVOA_V
ClientSampleId :

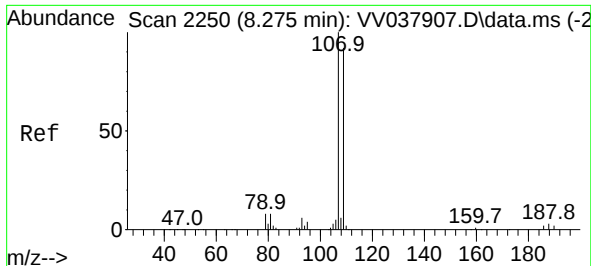
Tgt Ion: 43 Resp: 348547
Ion Ratio Lower Upper
43 100
58 57.7 47.8 71.6
57 20.0 15.4 23.0
100 14.1 11.3 16.9



#49
Dibromochloromethane
Concen: 4.918 ug/L
RT: 8.169 min Scan# 2217
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

Tgt Ion: 129 Resp: 87192
Ion Ratio Lower Upper
129 100
127 76.8 55.8 103.6

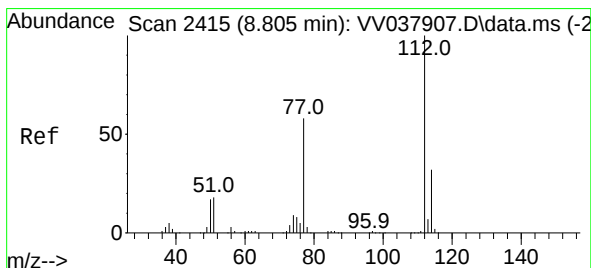
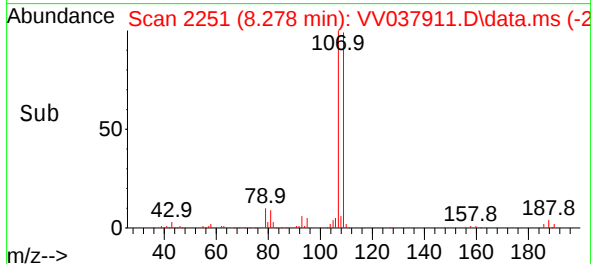
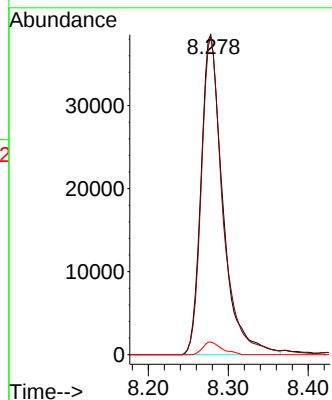
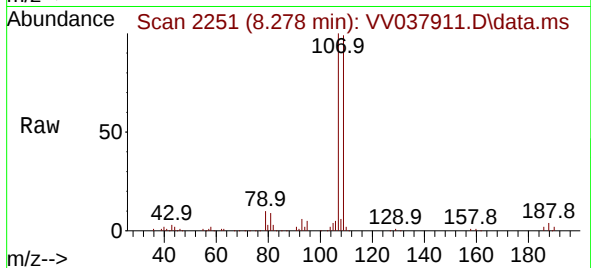




#50
1,2-Dibromoethane
Concen: 4.781 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

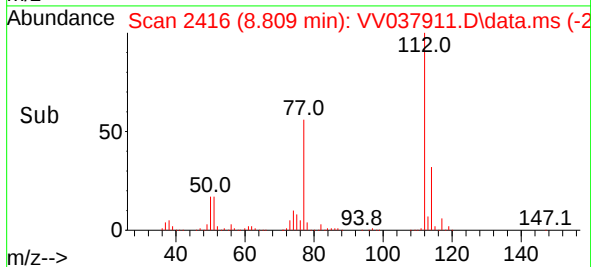
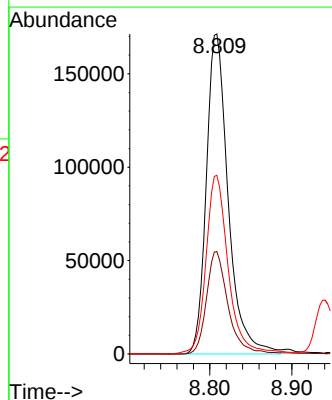
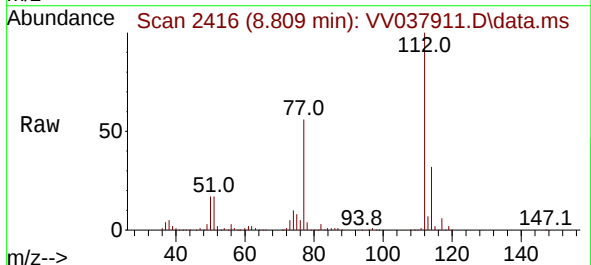
Instrument :
MSVOA_V
ClientSampleId :

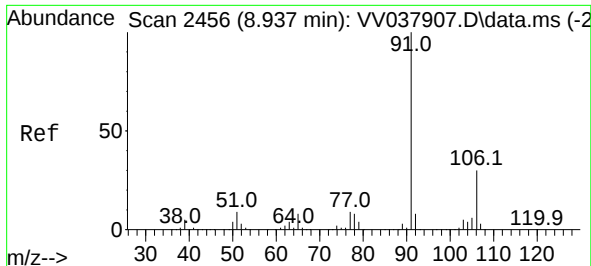
Tgt Ion:107 Resp: 73124
Ion Ratio Lower Upper
107 100
109 99.2 68.3 126.9
188 4.0 2.7 4.1



#51
Chlorobenzene
Concen: 5.241 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

Tgt Ion:112 Resp: 317120
Ion Ratio Lower Upper
112 100
114 32.0 22.0 41.0
77 55.8 45.3 67.9





#52

Ethylbenzene

Concen: 5.240 ug/L

RT: 8.940 min Scan# 2456

Delta R.T. 0.003 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

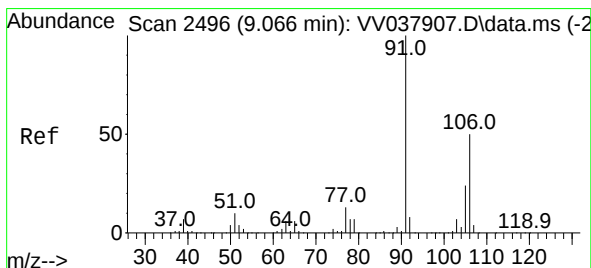
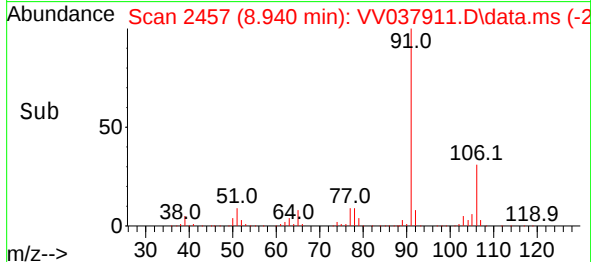
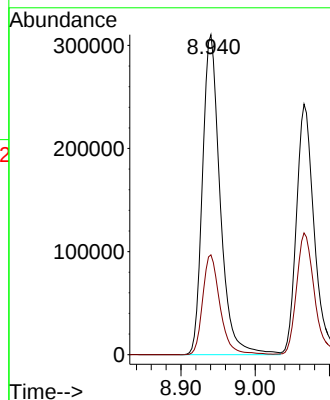
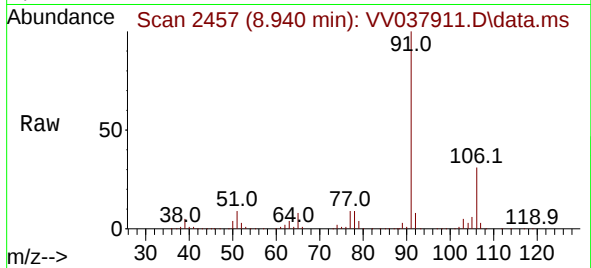
ClientSampleId :

Tgt Ion: 91 Resp: 511579

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.0



#53

m,p-Xylene

Concen: 5.415 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. -0.000 min

Lab File: VV037911.D

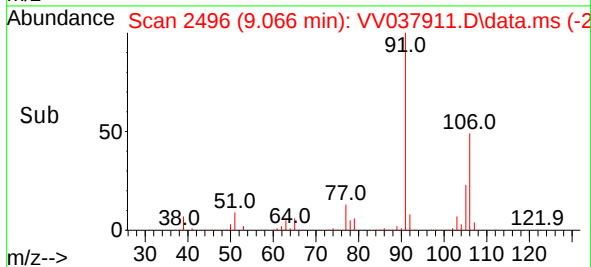
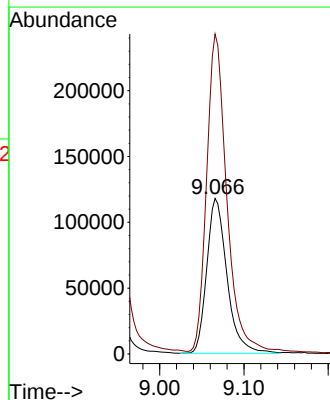
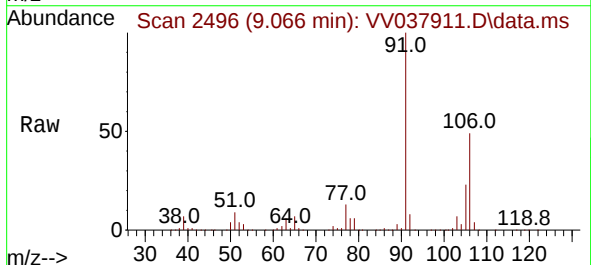
Acq: 22 Oct 2024 15:53

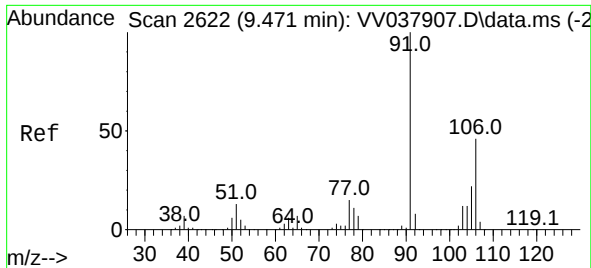
Tgt Ion:106 Resp: 196723

Ion Ratio Lower Upper

106 100

91 205.8 140.0 260.0

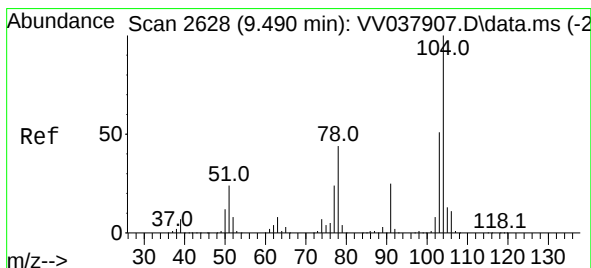
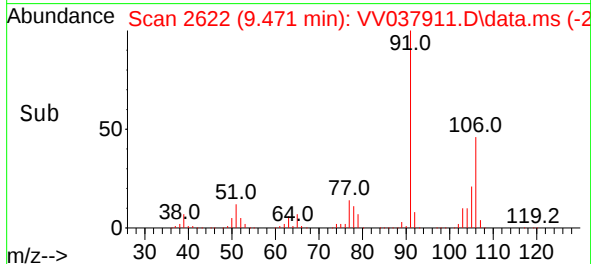
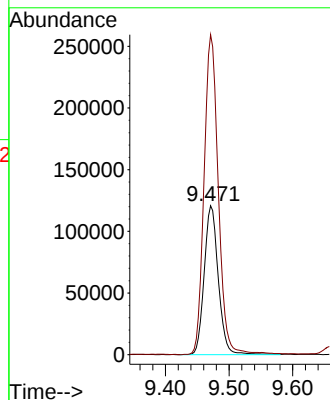
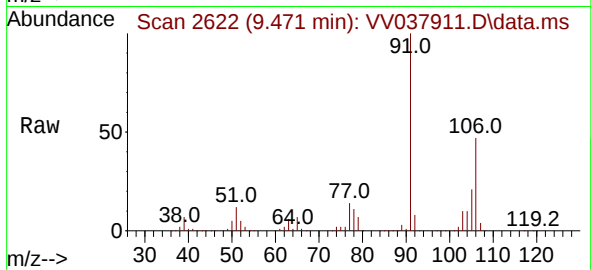




#54
o-Xylene
Concen: 5.249 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

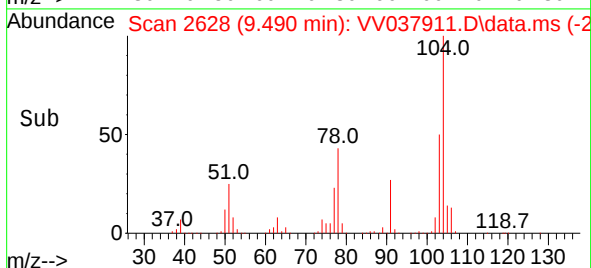
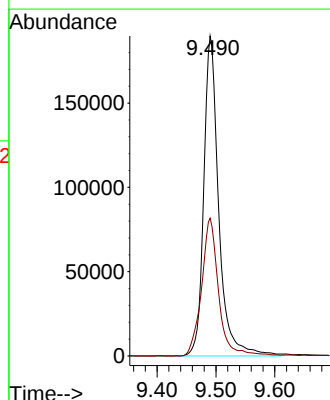
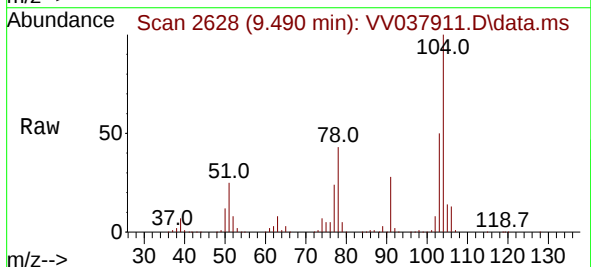
Instrument : MSVOA_V
ClientSampleId :

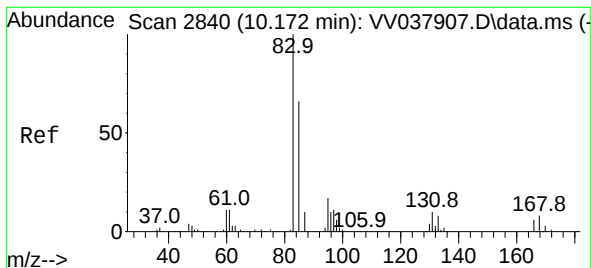
Tgt Ion:106 Resp: 186327
Ion Ratio Lower Upper
106 100
91 214.8 152.1 282.5



#55
Styrene
Concen: 5.516 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

Tgt Ion:104 Resp: 335970
Ion Ratio Lower Upper
104 100
78 43.0 29.7 55.1





#57

1,1,2,2-Tetrachloroethane

Concen: 4.737 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

ClientSampleId :

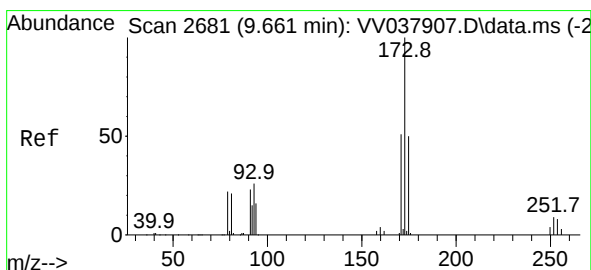
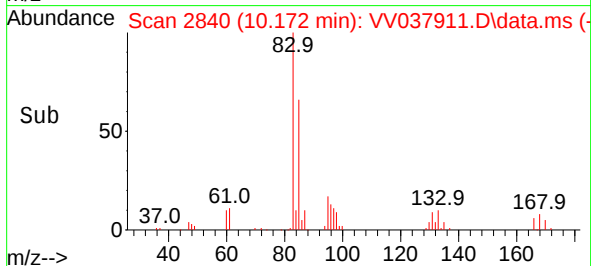
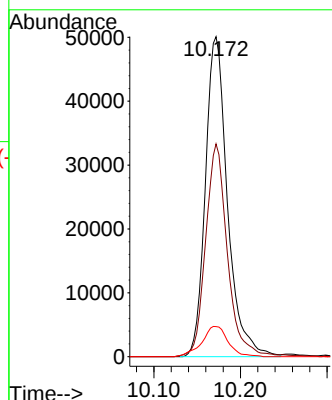
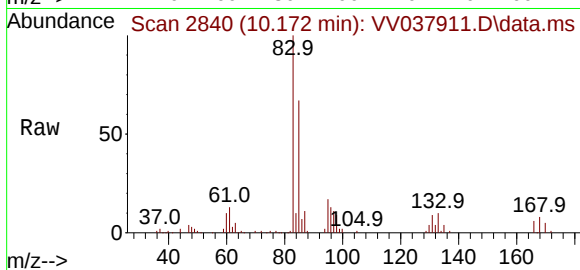
Tgt Ion: 83 Resp: 88835

Ion Ratio Lower Upper

83 100

85 66.5 44.3 82.3

131 9.4 7.8 11.8



#59

Bromoform

Concen: 4.434 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

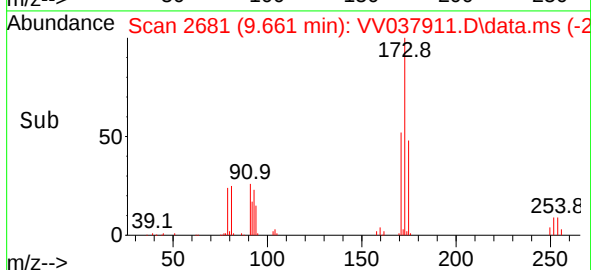
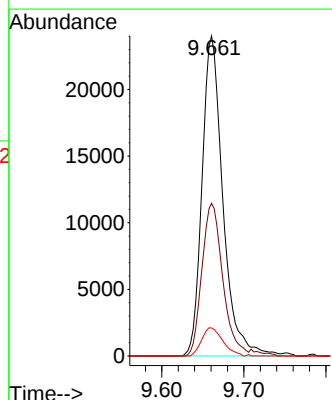
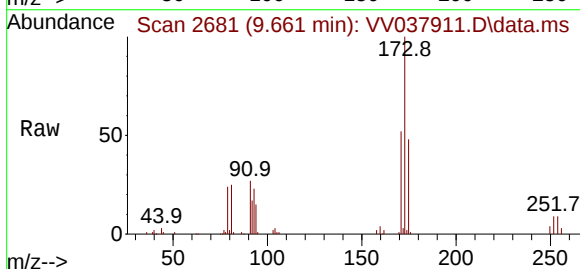
Tgt Ion: 173 Resp: 42447

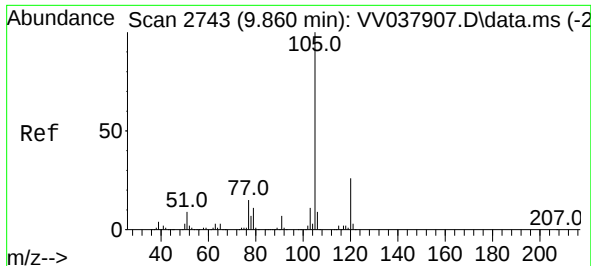
Ion Ratio Lower Upper

173 100

175 47.5 40.3 60.5

254 8.9 7.3 10.9

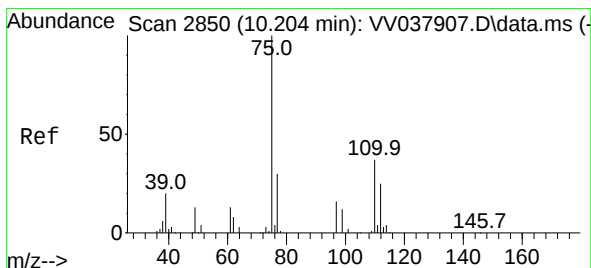
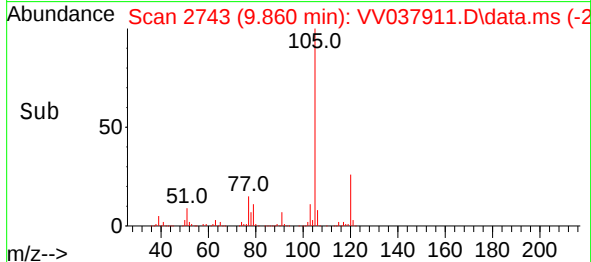
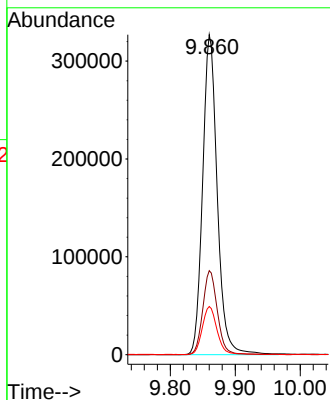
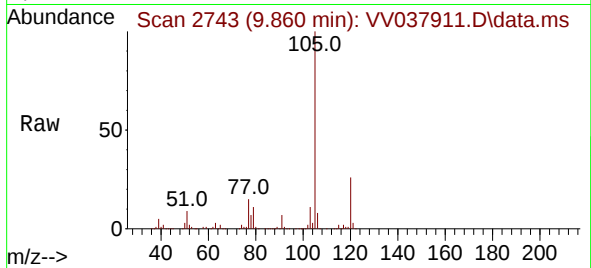




#60
Isopropylbenzene
Concen: 5.318 ug/L
RT: 9.860 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

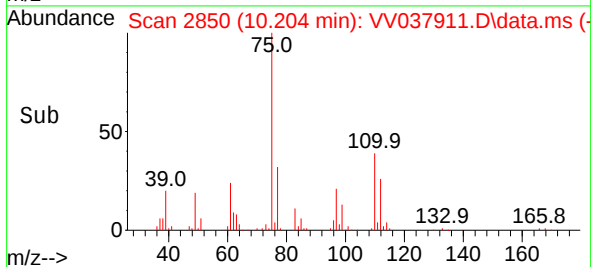
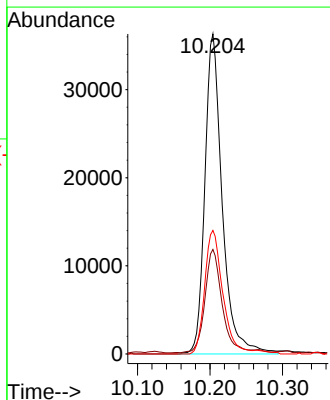
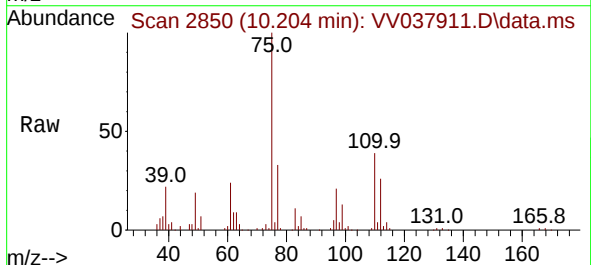
Instrument :
MSVOA_V
ClientSampleId :

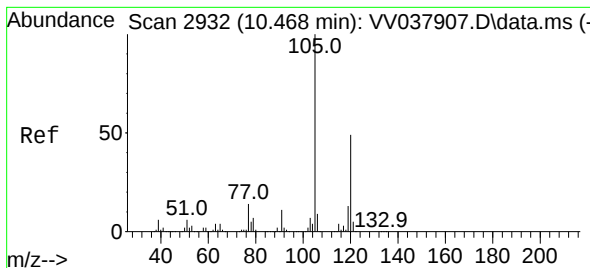
Tgt Ion:105 Resp: 512569
Ion Ratio Lower Upper
105 100
120 26.2 21.2 31.8
77 15.2 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 4.567 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. -0.000 min
Lab File: VV037911.D
Acq: 22 Oct 2024 15:53

Tgt Ion: 75 Resp: 60574
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2
110 40.0 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 5.108 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

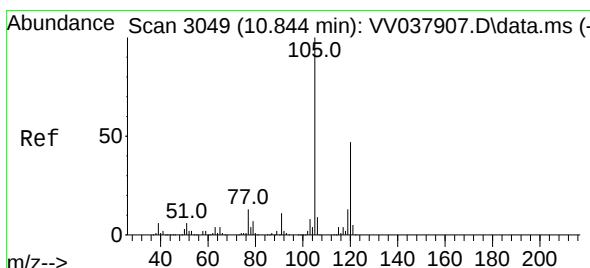
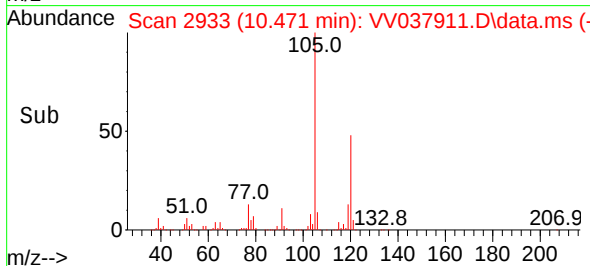
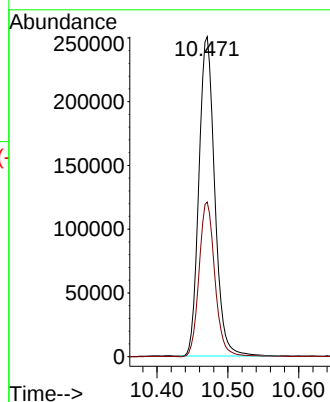
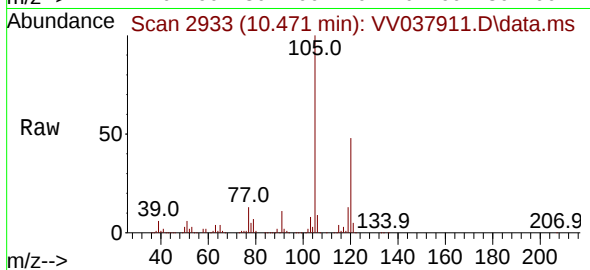
ClientSampleId :

Tgt Ion:105 Resp: 389200

Ion Ratio Lower Upper

105 100

120 48.6 39.0 58.4



#63

1,2,4-Trimethylbenzene

Concen: 5.229 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV037911.D

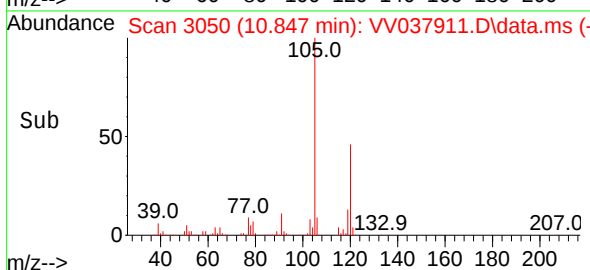
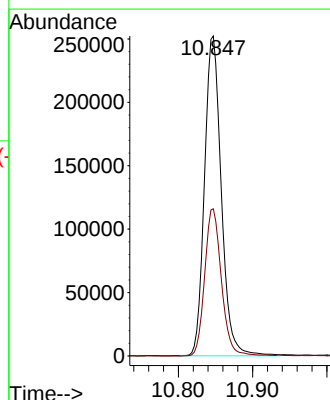
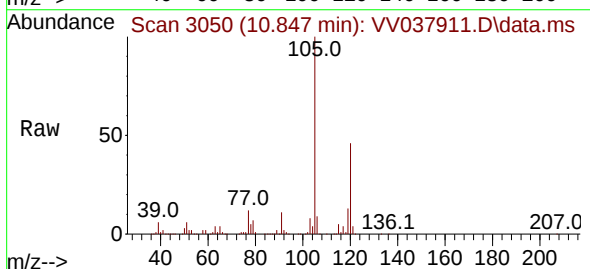
Acq: 22 Oct 2024 15:53

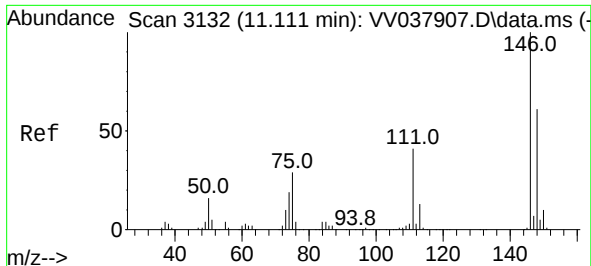
Tgt Ion:105 Resp: 395852

Ion Ratio Lower Upper

105 100

120 45.9 36.5 54.7





#64

1,3-Dichlorobenzene

Concen: 5.269 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

ClientSampleId :

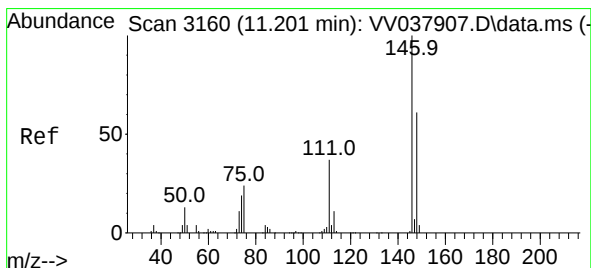
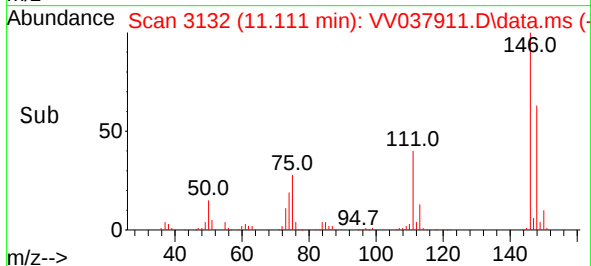
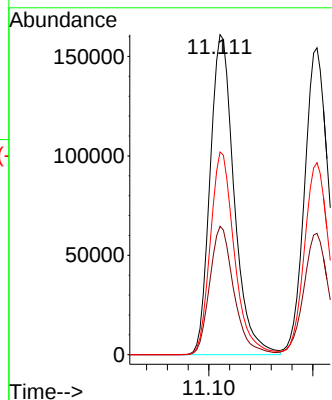
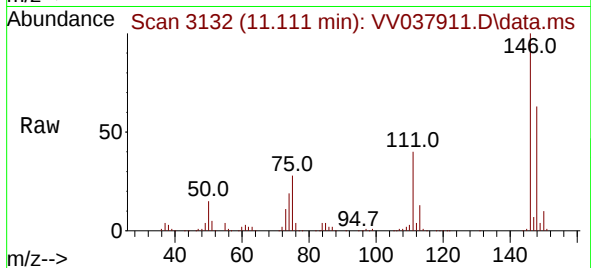
Tgt Ion:146 Resp: 258747

Ion Ratio Lower Upper

146 100

111 40.1 28.6 53.0

148 63.4 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 5.211 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

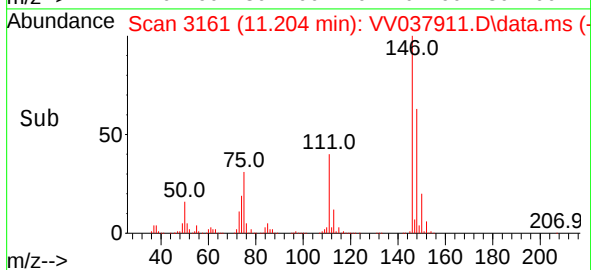
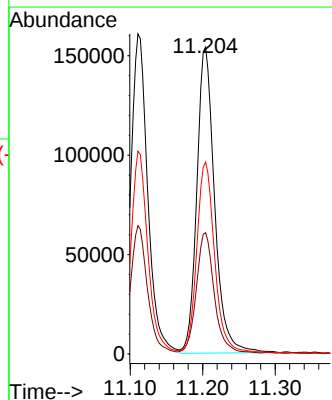
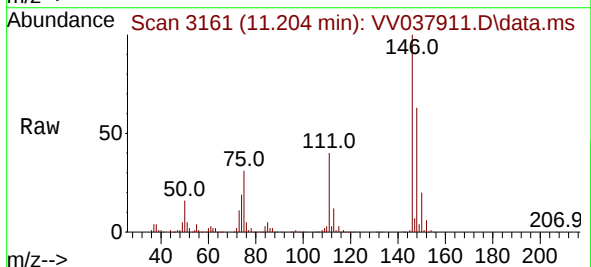
Tgt Ion:146 Resp: 262417

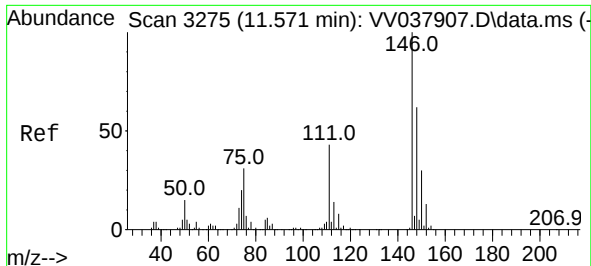
Ion Ratio Lower Upper

146 100

111 39.5 28.1 52.1

148 62.6 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 5.060 ug/L

RT: 11.574 min Scan# 3275

Delta R.T. 0.003 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

ClientSampleId :

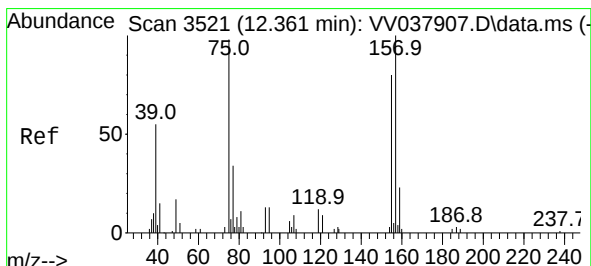
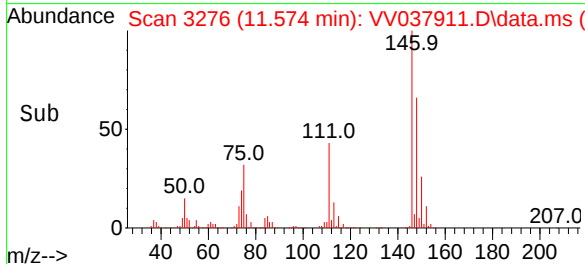
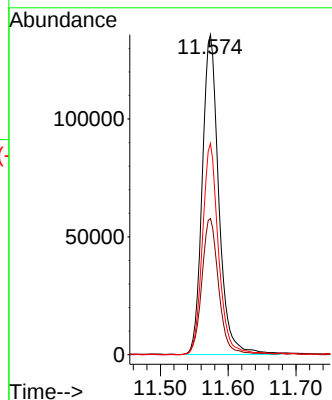
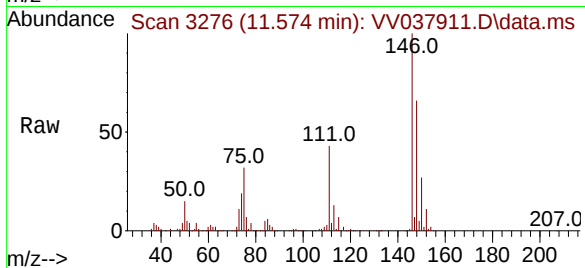
Tgt Ion:146 Resp: 229844

Ion Ratio Lower Upper

146 100

111 42.6 34.6 51.8

148 66.0 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.373 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

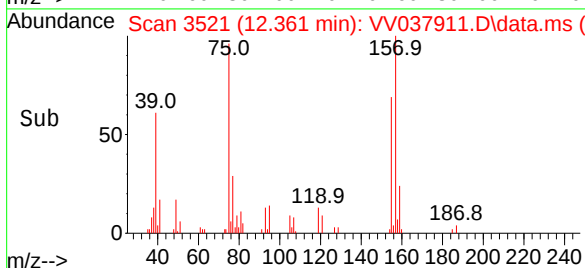
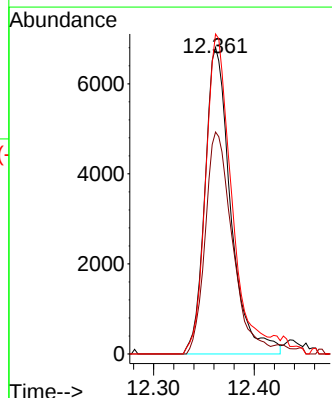
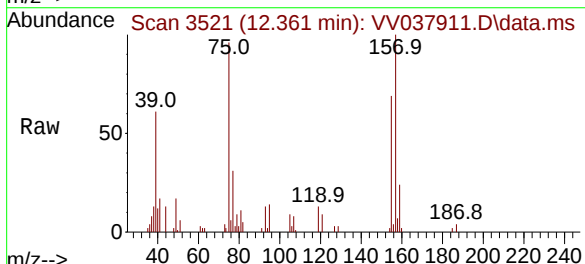
Tgt Ion: 75 Resp: 12129

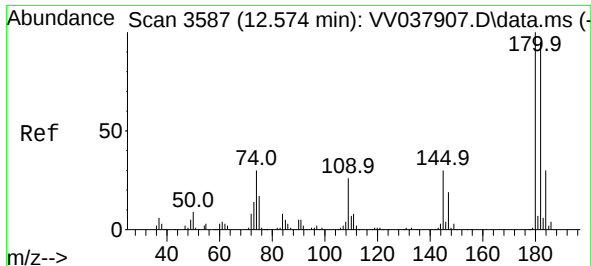
Ion Ratio Lower Upper

75 100

155 72.4 74.8 112.2#

157 104.4 85.2 127.8





#69

1,3,5-Trichlorobenzene

Concen: 5.070 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.003 min

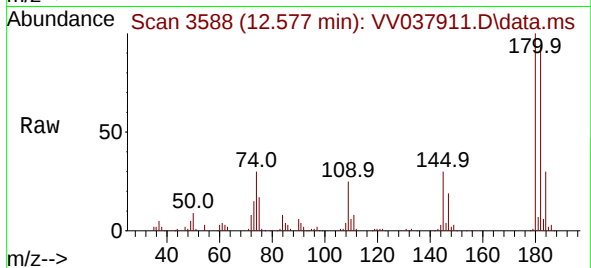
Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 179515

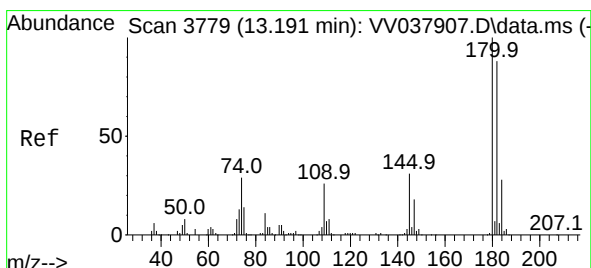
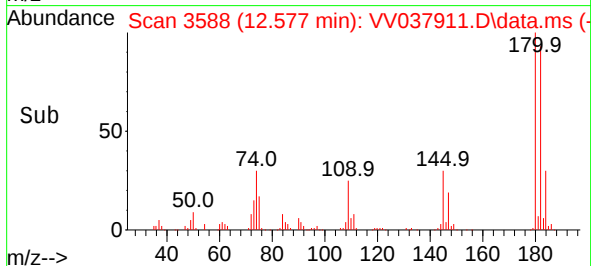
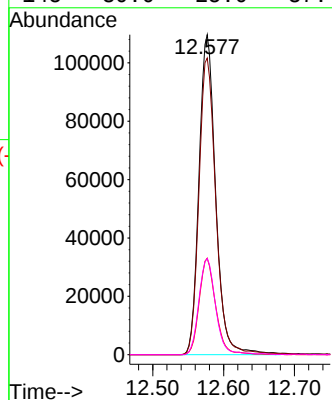
Ion Ratio Lower Upper

180 100

182 94.3 75.1 112.7

184 29.7 24.0 36.0

145 30.0 25.0 37.4



#70

1,2,4-trichlorobenzene

Concen: 4.664 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.003 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

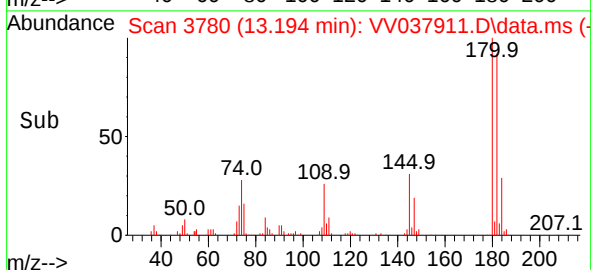
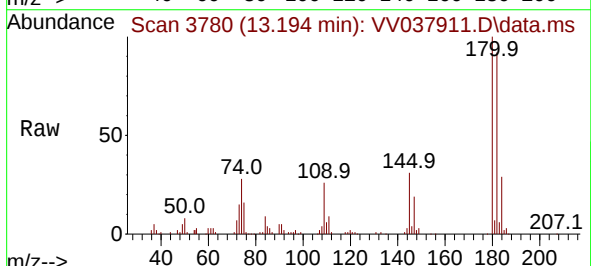
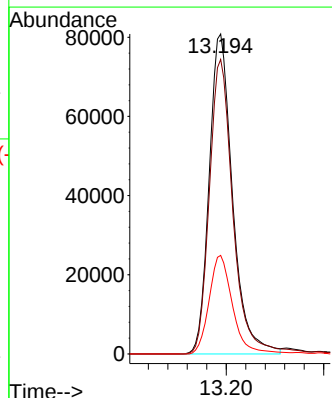
Tgt Ion:180 Resp: 134511

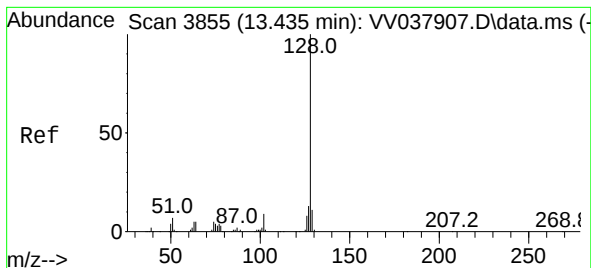
Ion Ratio Lower Upper

180 100

182 93.2 74.6 112.0

145 31.0 24.2 36.2





#71

Naphthalene

Concen: 3.386 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Instrument :

MSVOA_V

ClientSampleId :

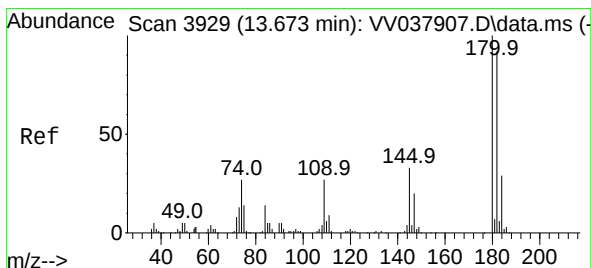
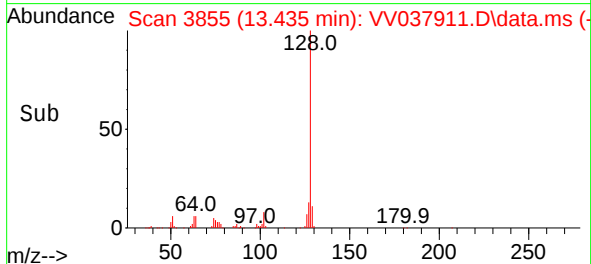
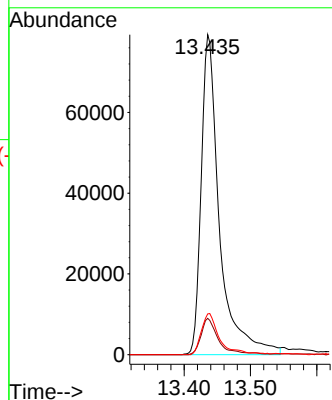
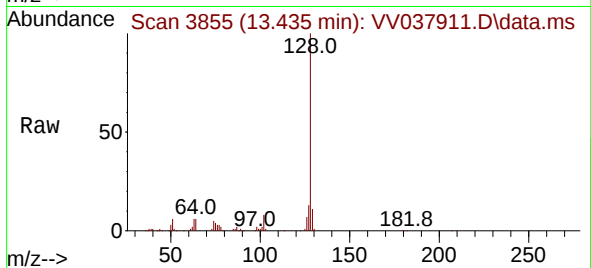
Tgt Ion:128 Resp: 151743

Ion Ratio Lower Upper

128 100

129 10.9 8.4 12.6

127 12.9 9.7 14.5



#72

1,2,3-Trichlorobenzene

Concen: 4.364 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV037911.D

Acq: 22 Oct 2024 15:53

Tgt Ion:180 Resp: 111348

Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.6

145 32.9 27.3 40.9

