

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW012025\
 Data File : VW038453.D
 Acq On : 20 Jan 2025 09:59
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 21 00:46:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 18 02:24:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	206408	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	216931	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	113179	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	85330	5.013	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.200%
7) Chloroethane-d5	1.532	69	73555	5.146	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.000%
11) 1,1-Dichloroethene-d2	2.053	65	39215	5.112	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.200%
20) 2-Butanone-d5	3.838	46	194168	54.236	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.480%
24) Chloroform-d	4.239	84	165035	5.173	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.400%
26) 1,2-Dichloroethane-d4	4.934	65	78326	5.358	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.200%
32) Benzene-d6	4.950	84	312495	5.230	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
36) 1,2-Dichloropropane-d6	5.979	67	94613	5.210	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.200%
41) Toluene-d8	7.233	98	289962	5.403	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.000%
43) trans-1,3-Dichloroprop...	7.548	79	35293	5.313	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.200%
46) 2-Hexanone-d5	8.021	63	136015	51.897	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.800%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	82628	5.739	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.800%
66) 1,2-Dichlorobenzene-d4	11.551	152	97953	5.113	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	122308	5.290	ug/L	99
3) Chloromethane	1.214	50	119949	5.070	ug/L	100
5) Vinyl chloride	1.281	62	123199	5.154	ug/L	100
6) Bromomethane	1.487	94	63551	5.315	ug/L	94
8) Chloroethane	1.548	64	72513	5.064	ug/L	100
9) Trichlorofluoromethane	1.712	101	156169	5.134	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	93187	5.359	ug/L	99
12) 1,1-Dichloroethene	2.066	96	87587	5.117	ug/L	98
13) Acetone	2.166	43	59431	21.335	ug/L	99
14) Carbon disulfide	2.236	76	295007	5.130	ug/L	99
15) Methyl Acetate	2.391	43	36401	5.115	ug/L	100
16) Methylene chloride	2.442	84	96374	5.080	ug/L	97
17) Methyl tert-butyl Ether	2.696	73	194270	5.394	ug/L	98
18) trans-1,2-Dichloroethene	2.690	96	89010	5.058	ug/L	98
19) 1,1-Dichloroethane	3.104	63	173390	5.178	ug/L	97
21) 2-Butanone	3.912	43	200512	50.745	ug/L #	67
22) cis-1,2-Dichloroethene	3.809	96	93021	5.199	ug/L	97
23) Bromochloromethane	4.143	128	44511	5.468	ug/L	92
25) Chloroform	4.265	83	169858	5.130	ug/L	98

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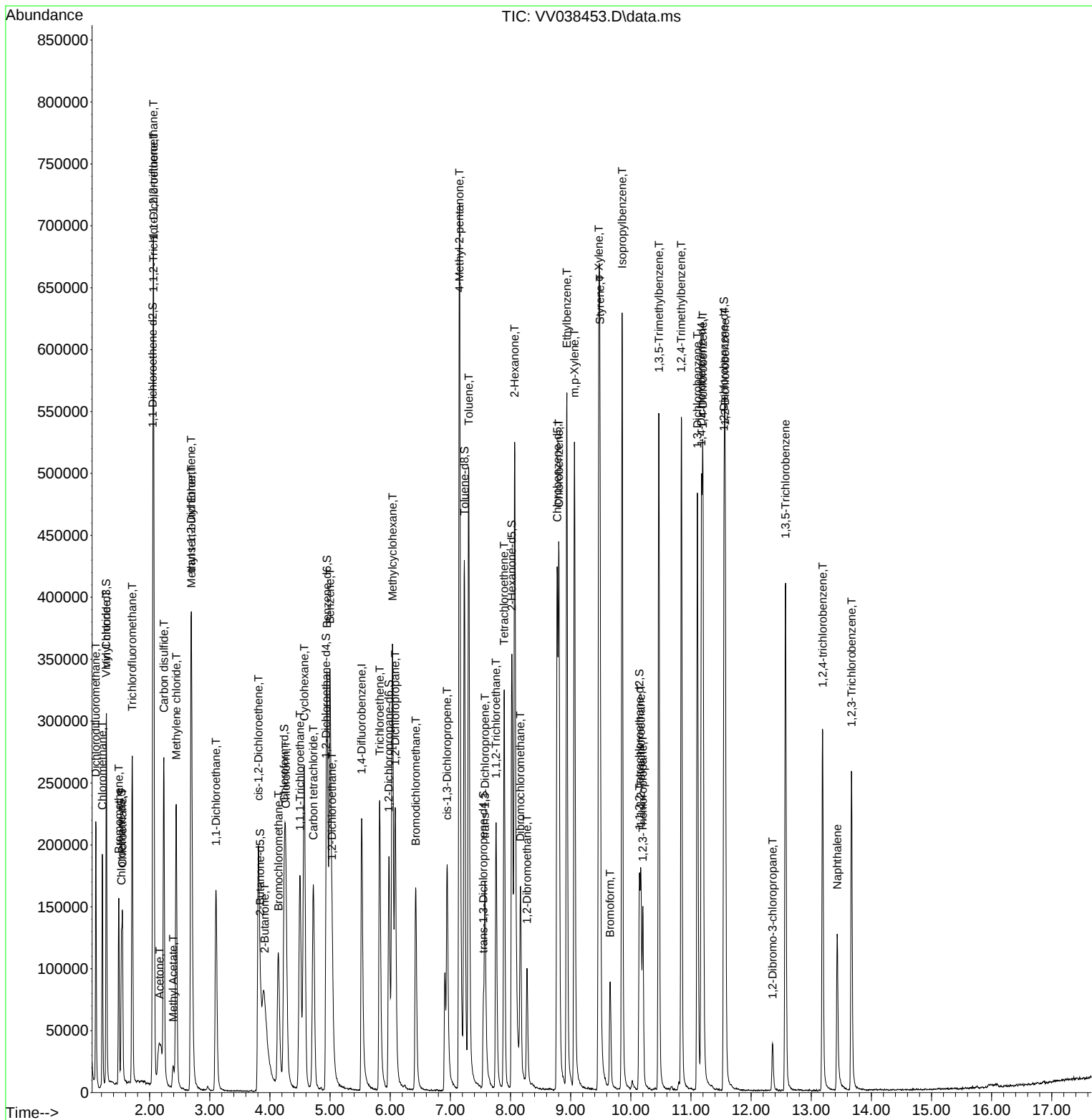
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 ClientSampleId :

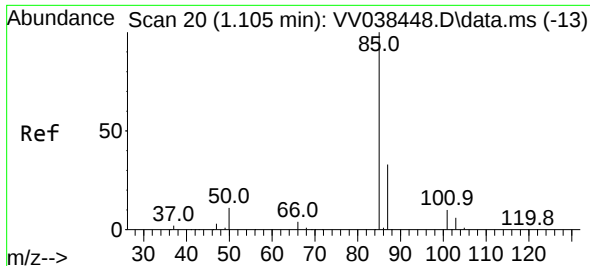
Quant Time: Jan 21 00:46:54 2025
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	100278	5.446	ug/L	100
29) 1,1,1-Trichloroethane	4.500	97	146021	5.063	ug/L	99
30) Cyclohexane	4.571	56	138887	5.287	ug/L	97
31) Carbon tetrachloride	4.722	117	131451	5.157	ug/L	99
33) Benzene	4.998	78	364309	5.289	ug/L	100
34) Trichloroethene	5.825	95	92692	5.178	ug/L	95
35) Methylcyclohexane	6.040	83	143237	5.249	ug/L	96
37) 1,2-Dichloropropane	6.085	63	95013	5.341	ug/L	100
38) Bromodichloromethane	6.426	83	117821	5.107	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	130295	5.313	ug/L	98
40) 4-Methyl-2-pentanone	7.153	43	540411	58.712	ug/L	99
42) Toluene	7.307	91	390197	5.435	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	112193	5.399	ug/L	99
45) 1,1,2-Trichloroethane	7.760	97	71407	5.581	ug/L	96
47) Tetrachloroethene	7.895	164	73875	5.332	ug/L	96
48) 2-Hexanone	8.069	43	381263	57.209	ug/L	100
49) Dibromochloromethane	8.165	129	79134	5.372	ug/L	99
50) 1,2-Dibromoethane	8.275	107	66529	5.588	ug/L	100
51) Chlorobenzene	8.805	112	247807	5.129	ug/L	98
52) Ethylbenzene	8.937	91	396417	5.133	ug/L	100
53) m,p-Xylene	9.062	106	155844	5.324	ug/L	96
54) o-Xylene	9.468	106	142735	5.117	ug/L	99
55) Styrene	9.487	104	262656	5.400	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.168	83	87913	5.642	ug/L	95
59) Bromoform	9.657	173	41382	5.243	ug/L	96
60) Isopropylbenzene	9.857	105	394795	5.184	ug/L	98
61) 1,2,3-Trichloropropane	10.201	75	59855	5.504	ug/L	95
62) 1,3,5-Trimethylbenzene	10.467	105	297839	4.994	ug/L	99
63) 1,2,4-Trimethylbenzene	10.840	105	302803	5.084	ug/L	100
64) 1,3-Dichlorobenzene	11.107	146	196002	5.188	ug/L	100
65) 1,4-Dichlorobenzene	11.201	146	203530	5.211	ug/L	98
67) 1,2-Dichlorobenzene	11.570	146	184969	5.228	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	10116	4.501	ug/L #	83
69) 1,3,5-Trichlorobenzene	12.574	180	124342	4.785	ug/L	97
70) 1,2,4-trichlorobenzene	13.191	180	90678	4.695	ug/L	98
71) Naphthalene	13.432	128	113047	3.951	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	77283	4.628	ug/L	100

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

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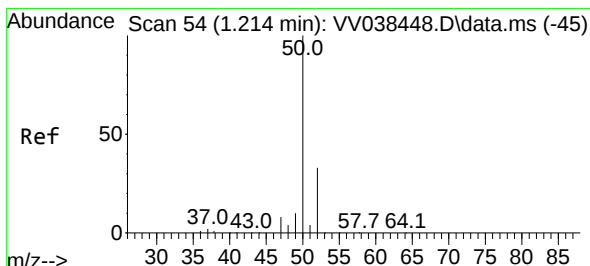
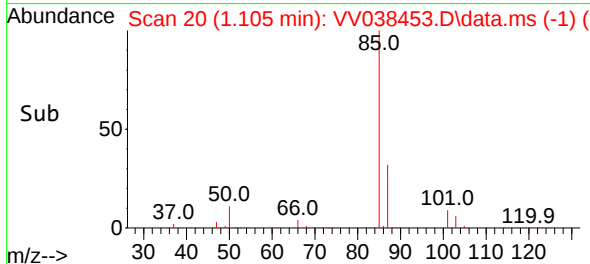
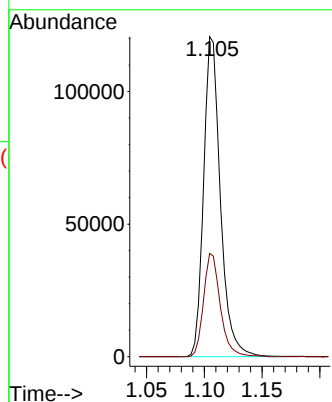
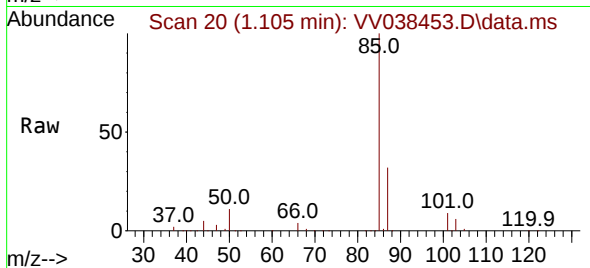




#2
 Dichlorodifluoromethane
 Concen: 5.290 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV038453.D
 Acq: 20 Jan 2025 09:59

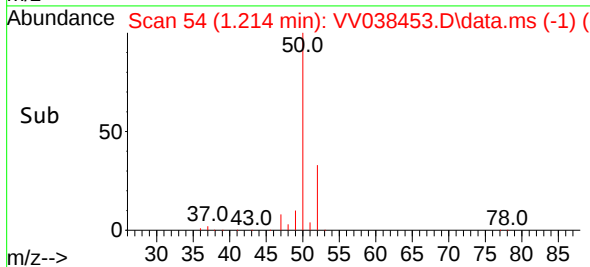
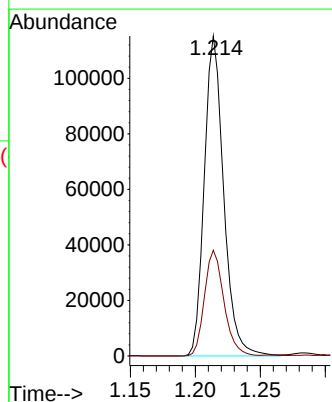
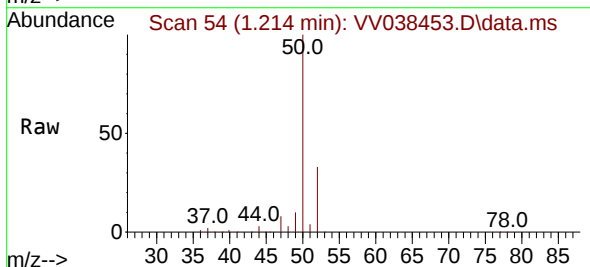
Instrument :
 MSVOA_V
 ClientSampleId :

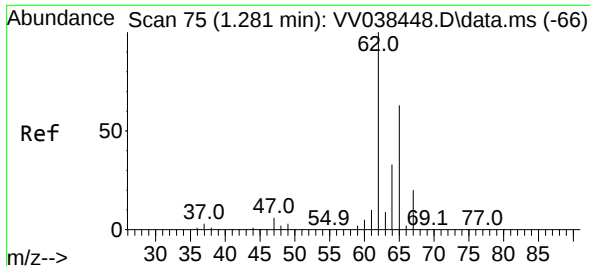
Tgt Ion: 85 Resp: 122308
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.0 39.0



#3
 Chloromethane
 Concen: 5.070 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV038453.D
 Acq: 20 Jan 2025 09:59

Tgt Ion: 50 Resp: 119949
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.0 42.6





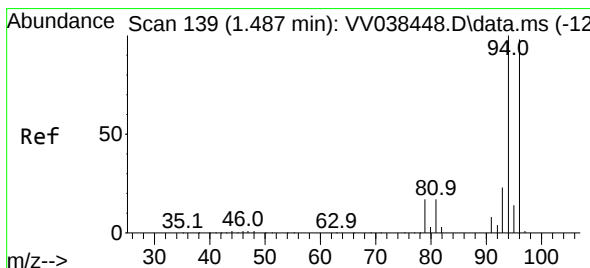
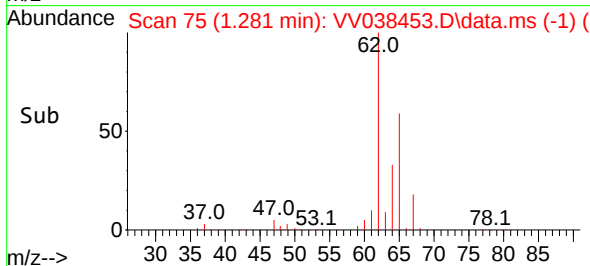
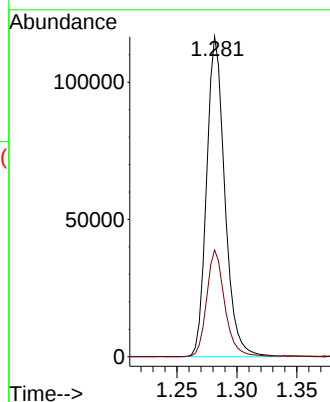
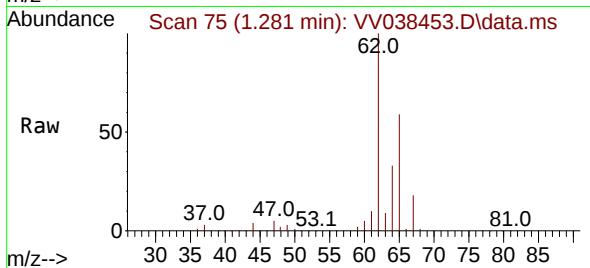
#5
 Vinyl chloride
 Concen: 5.154 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV038453.D
 Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

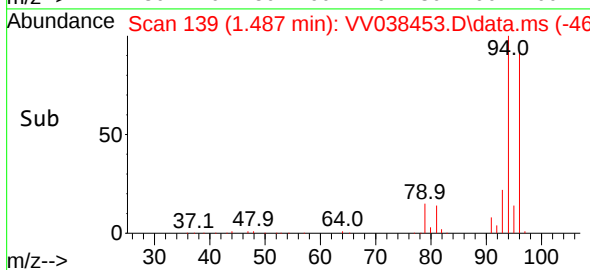
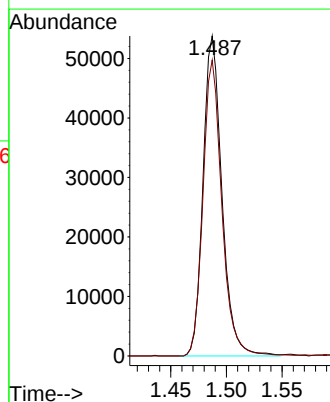
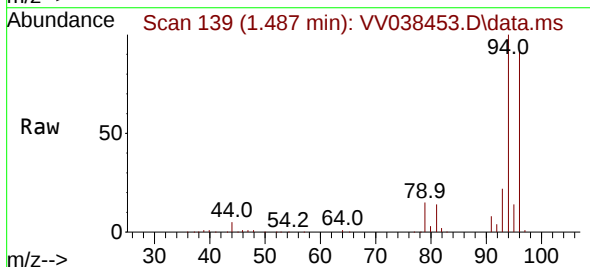
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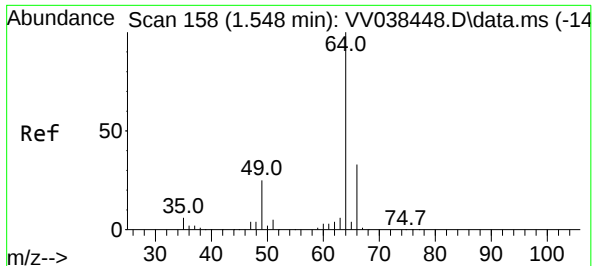
Tgt Ion: 62 Resp: 123199
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.5 43.7



#6
 Bromomethane
 Concen: 5.315 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV038453.D
 Acq: 20 Jan 2025 09:59

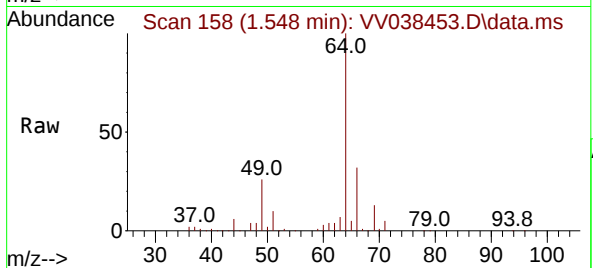
Tgt Ion: 94 Resp: 63551
 Ion Ratio Lower Upper
 94 100
 96 92.4 68.9 127.9



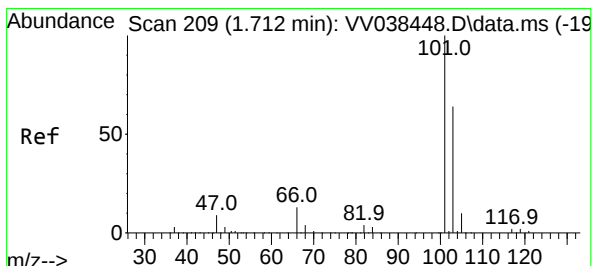
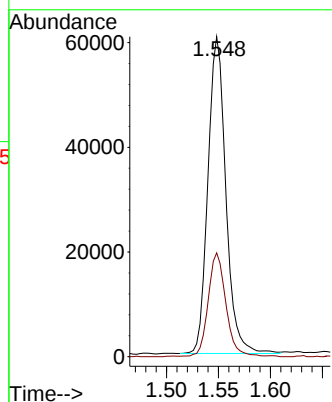
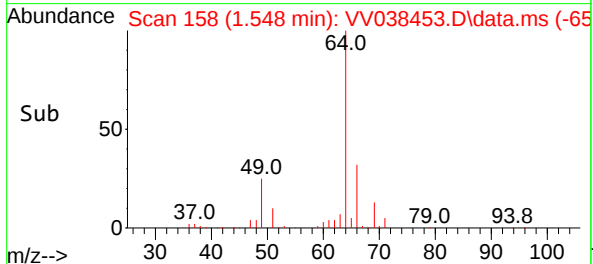


#8
Chloroethane
Concen: 5.064 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

Instrument :
MSVOA_V
ClientSampleId :

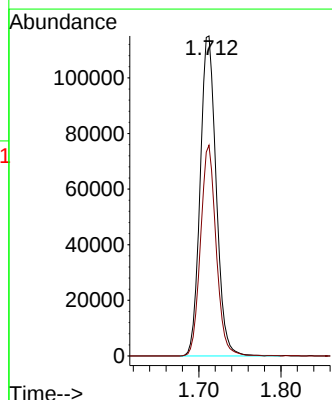
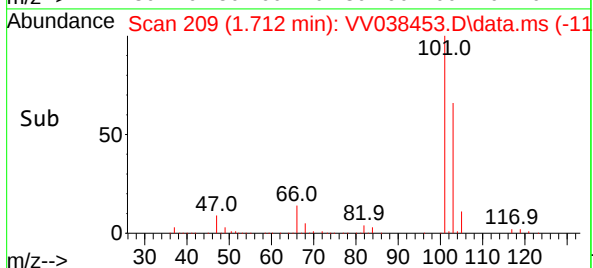
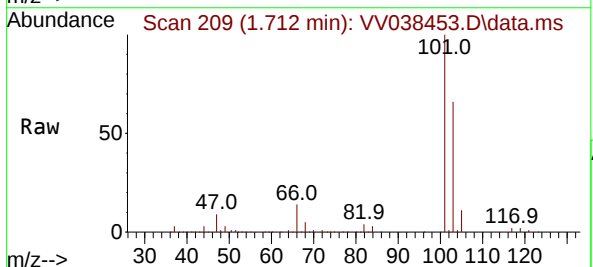


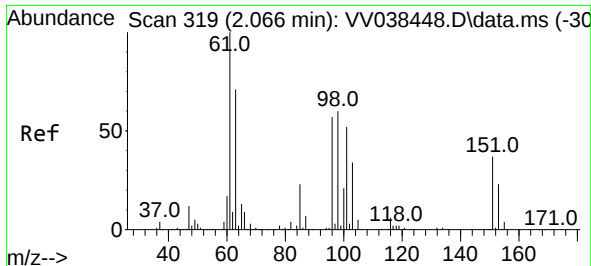
Tgt Ion: 64 Resp: 72513
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.134 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

Tgt Ion:101 Resp: 156169
Ion Ratio Lower Upper
101 100
103 64.1 51.5 77.3

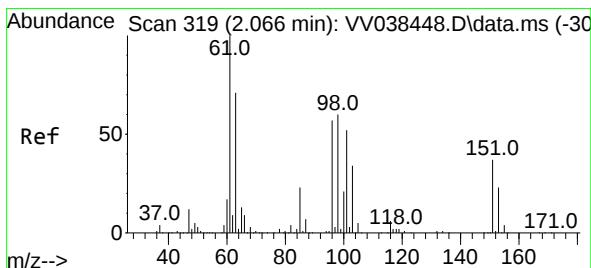
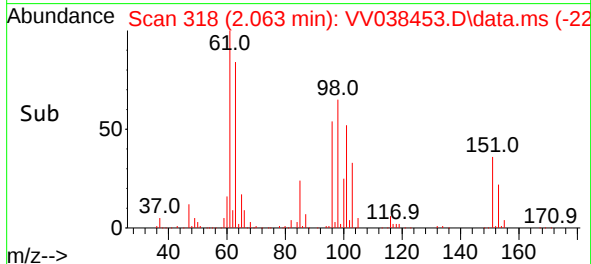
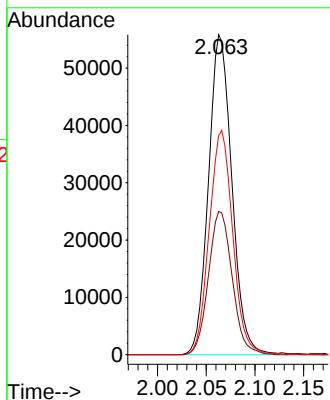
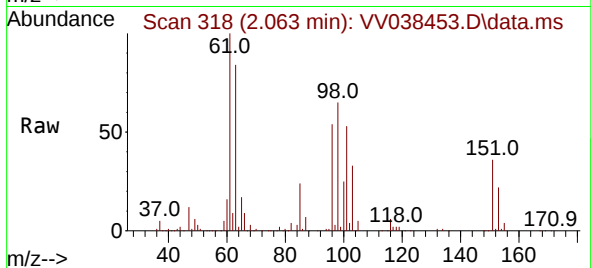




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.359 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.003 min
 Lab File: VV038453.D
 Acq: 20 Jan 2025 09:59

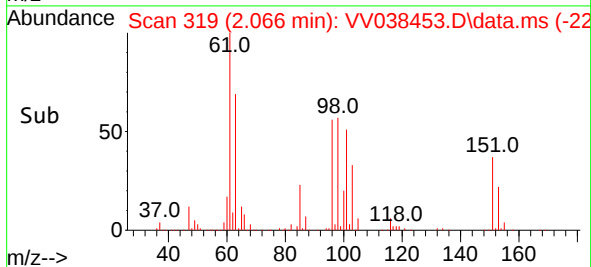
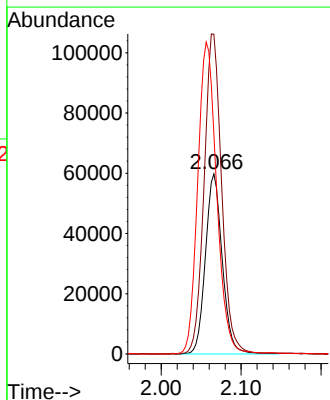
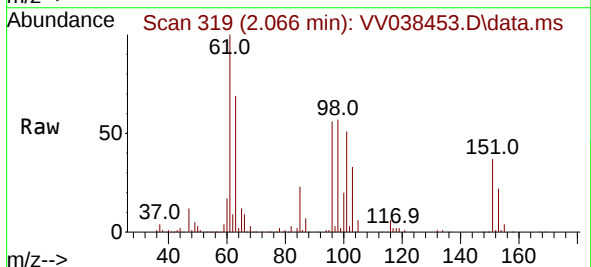
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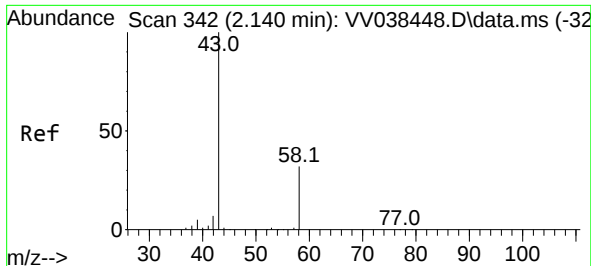
Tgt Ion:101 Resp: 93187
 Ion Ratio Lower Upper
 101 100
 85 45.4 35.2 52.8
 151 70.5 56.6 85.0



#12
 1,1-Dichloroethene
 Concen: 5.117 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV038453.D
 Acq: 20 Jan 2025 09:59

Tgt Ion: 96 Resp: 87587
 Ion Ratio Lower Upper
 96 100
 61 177.5 122.2 227.0
 63 122.1 86.2 160.0





#13

Acetone

Concen: 21.335 ug/L

RT: 2.166 min Scan# 3

Delta R.T. 0.026 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

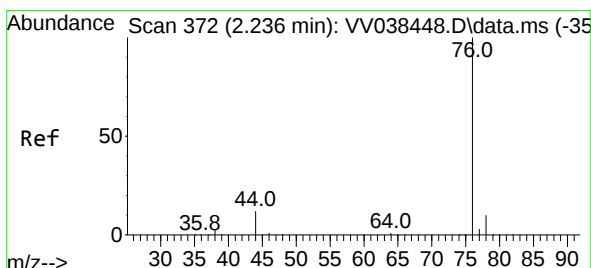
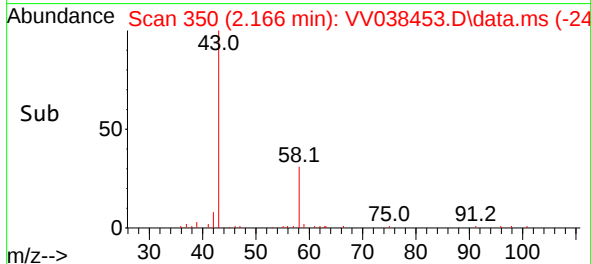
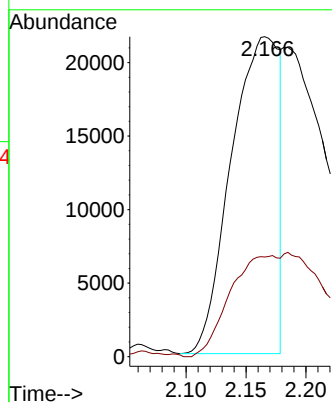
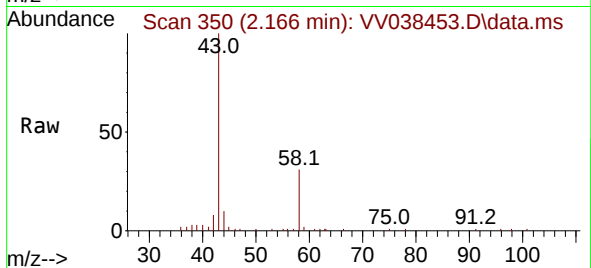
ClientSampleId :

Tgt Ion: 43 Resp: 59431

Ion Ratio Lower Upper

43 100

58 32.8 0.0 67.2



#14

Carbon disulfide

Concen: 5.130 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.000 min

Lab File: VV038453.D

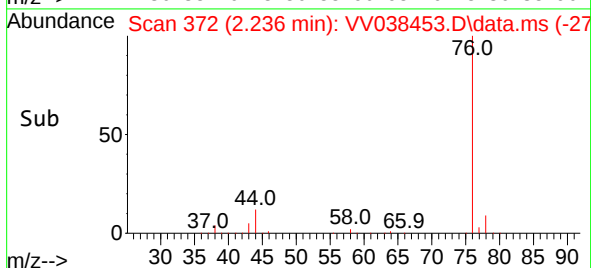
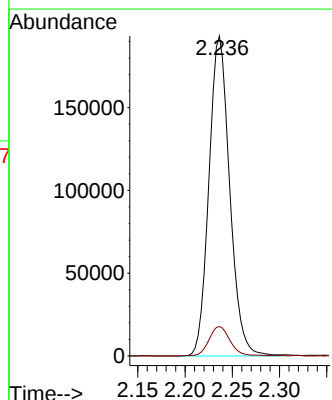
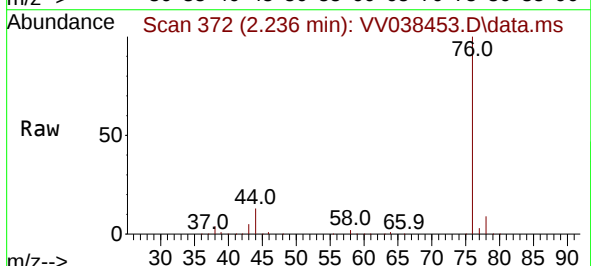
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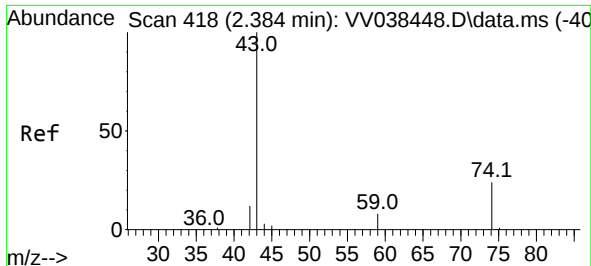
Tgt Ion: 76 Resp: 295007

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

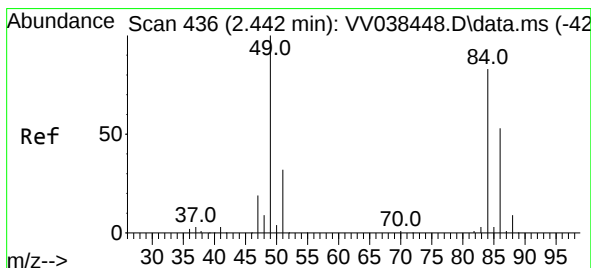
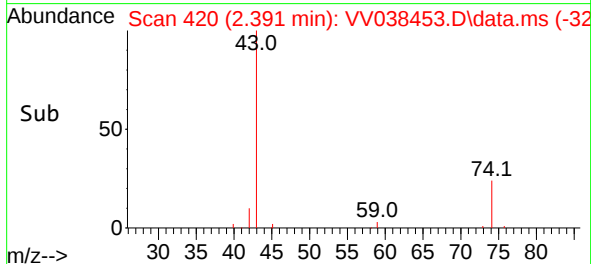
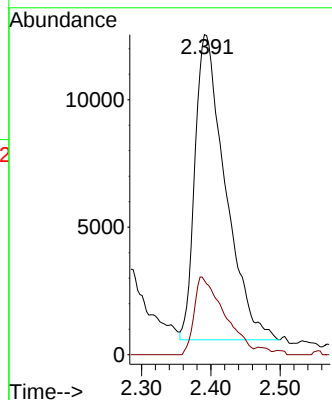
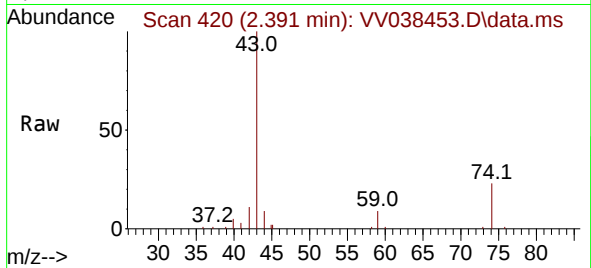




#15
Methyl Acetate
Concen: 5.115 ug/L
RT: 2.391 min Scan# 418
Delta R.T. 0.006 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

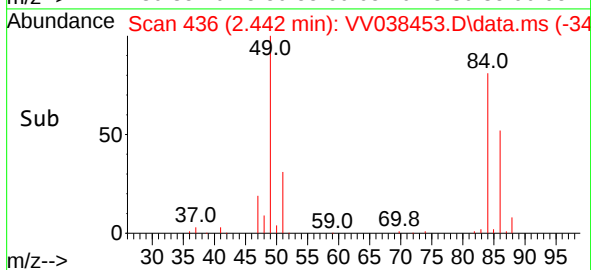
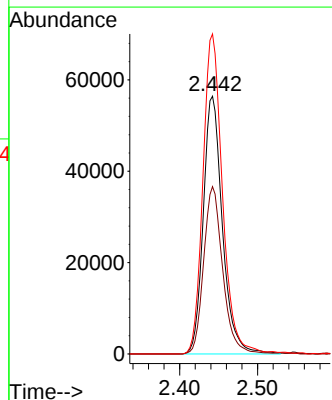
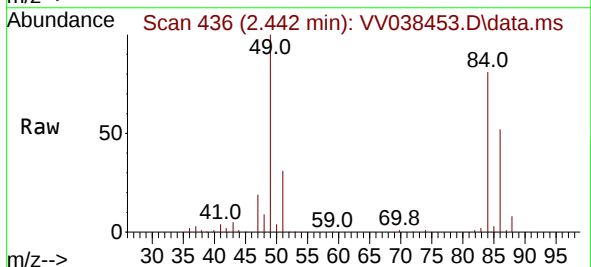
Instrument :
MSVOA_V
ClientSampleId :

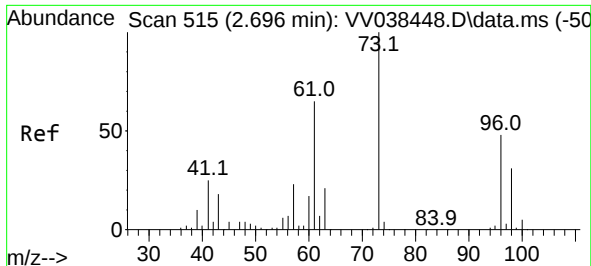
Tgt Ion: 43 Resp: 36401
Ion Ratio Lower Upper
43 100
74 25.3 20.4 30.6



#16
Methylene chloride
Concen: 5.080 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.000 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

Tgt Ion: 84 Resp: 96374
Ion Ratio Lower Upper
84 100
86 64.9 44.7 82.9
49 124.2 84.1 156.1





#17

Methyl tert-butyl Ether

Concen: 5.394 ug/L

RT: 2.696 min Scan# 515

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

ClientSampleId :

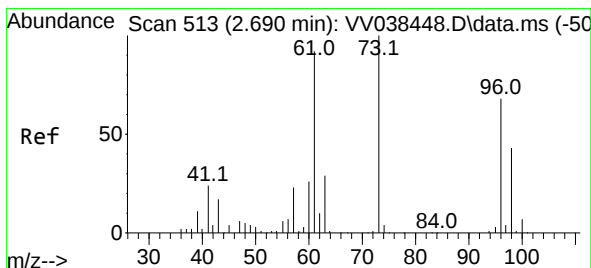
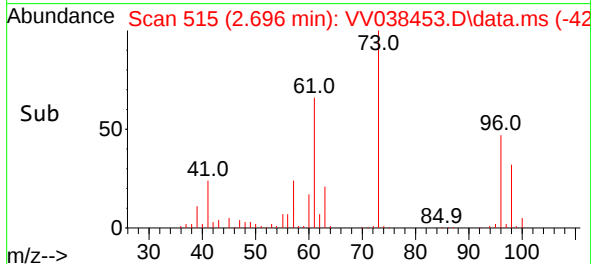
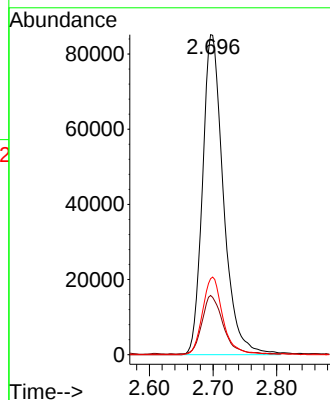
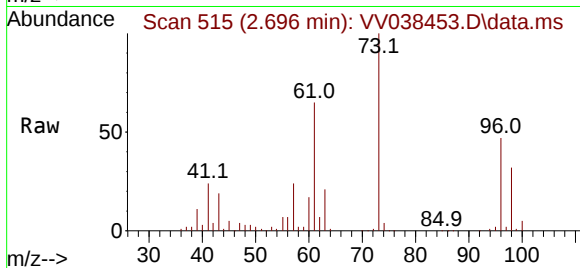
Tgt Ion: 73 Resp: 194270

Ion Ratio Lower Upper

73 100

43 18.2 14.6 21.8

57 23.7 17.9 26.9



#18

trans-1,2-Dichloroethene

Concen: 5.058 ug/L

RT: 2.690 min Scan# 513

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

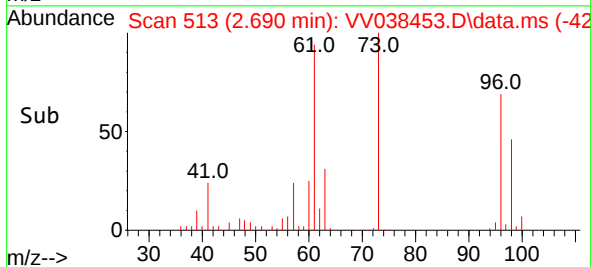
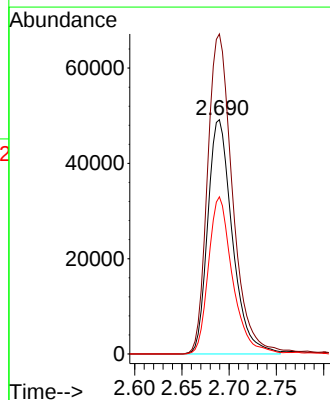
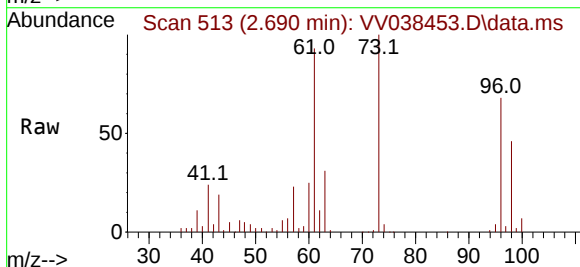
Tgt Ion: 96 Resp: 89010

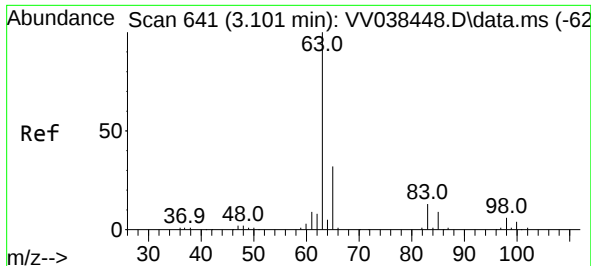
Ion Ratio Lower Upper

96 100

61 136.6 94.8 176.2

98 67.0 44.2 82.2

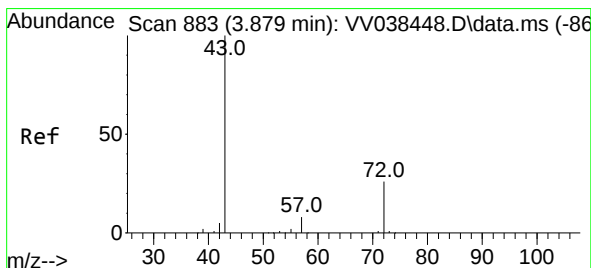
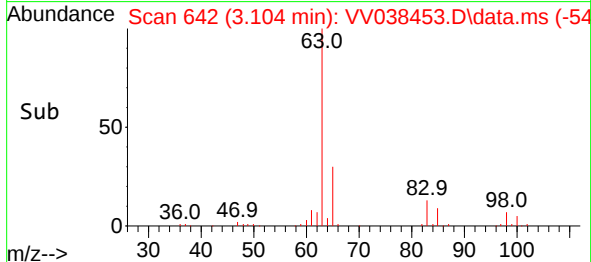
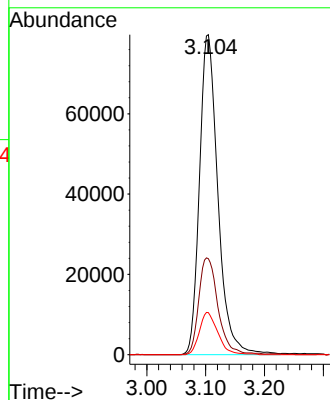
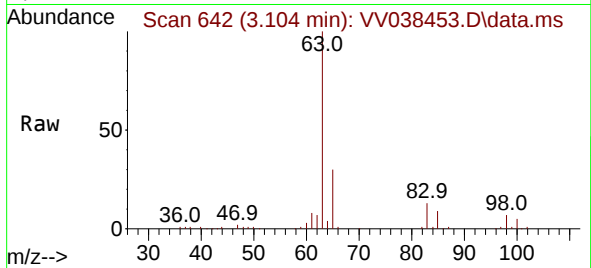




#19
1,1-Dichloroethane
Concen: 5.178 ug/L
RT: 3.104 min Scan# 641
Delta R.T. 0.003 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

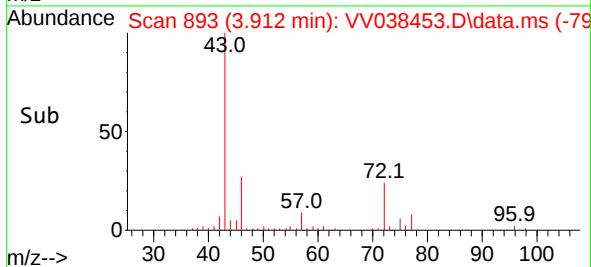
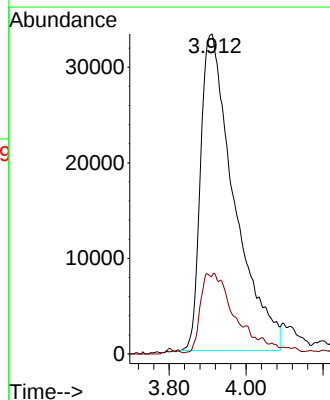
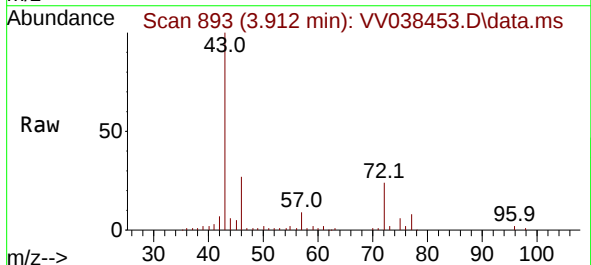
Instrument :
MSVOA_V
ClientSampleId :

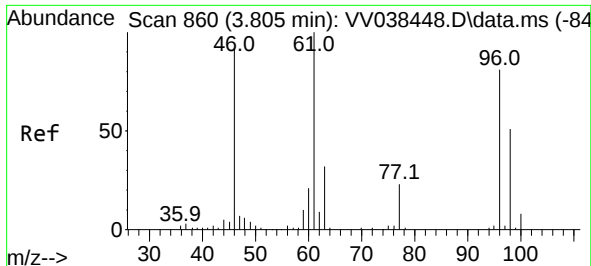
Tgt Ion: 63 Resp: 173390
Ion Ratio Lower Upper
63 100
65 30.0 22.5 41.9
83 13.1 9.4 17.6



#21
2-Butanone
Concen: 50.745 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.032 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

Tgt Ion: 43 Resp: 200512
Ion Ratio Lower Upper
43 100
72 8.0 12.2 36.4#





#22

cis-1,2-Dichloroethene

Concen: 5.199 ug/L

RT: 3.809 min Scan# 860

Delta R.T. 0.003 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

ClientSampleId :

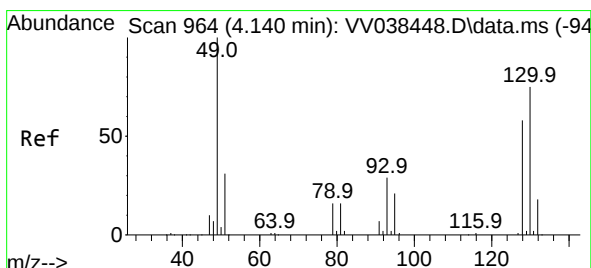
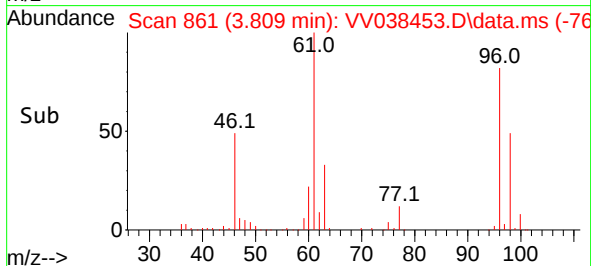
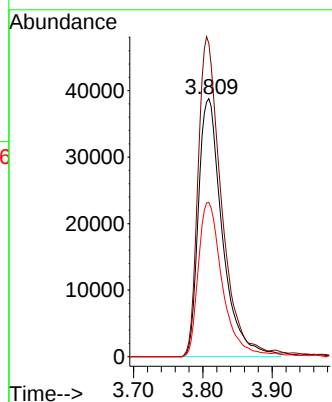
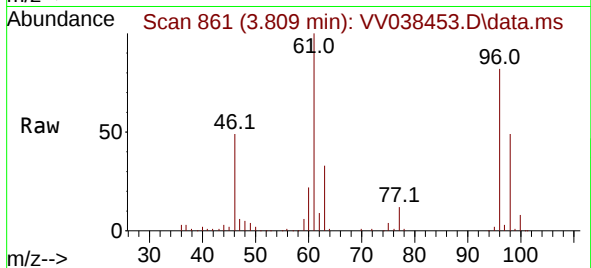
Tgt Ion: 96 Resp: 93021

Ion Ratio Lower Upper

96 100

61 121.3 86.5 160.7

98 59.8 43.8 81.3



#23

Bromochloromethane

Concen: 5.468 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.003 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Tgt Ion: 128 Resp: 44511

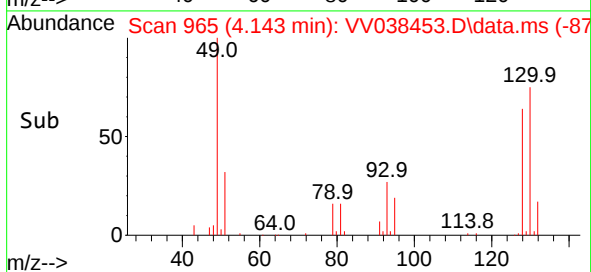
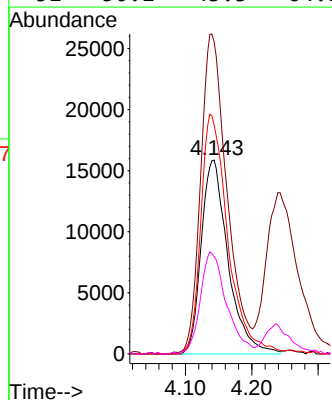
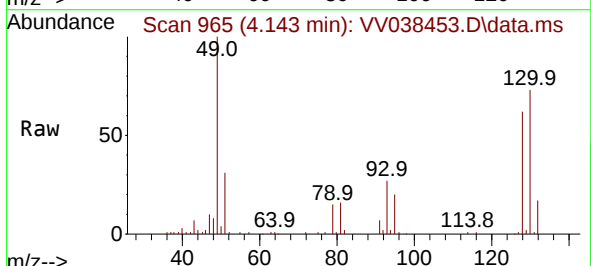
Ion Ratio Lower Upper

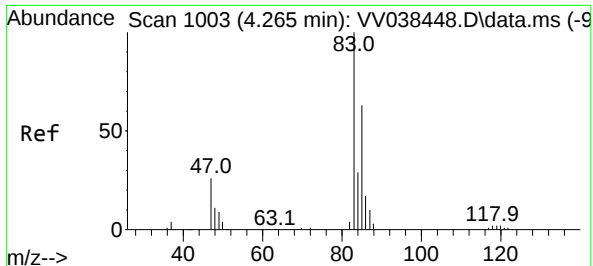
128 100

49 160.9 121.0 224.8

130 117.9 90.1 167.3

51 50.1 43.3 64.9





#25

Chloroform

Concen: 5.130 ug/L

RT: 4.265 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

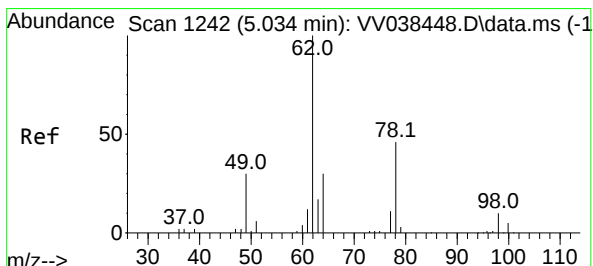
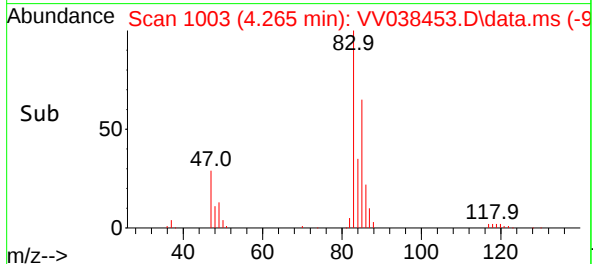
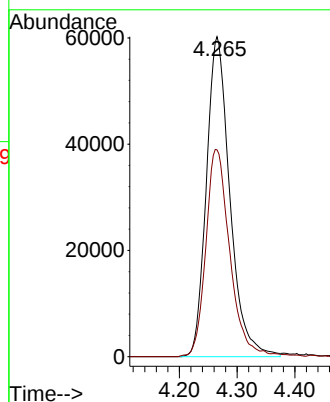
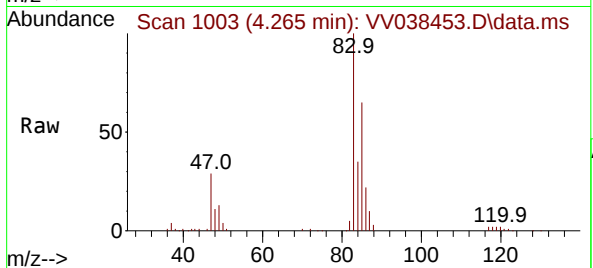
ClientSampleId :

Tgt Ion: 83 Resp: 169858

Ion Ratio Lower Upper

83 100

85 64.7 44.0 81.8



#27

1,2-Dichloroethane

Concen: 5.446 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.000 min

Lab File: VV038453.D

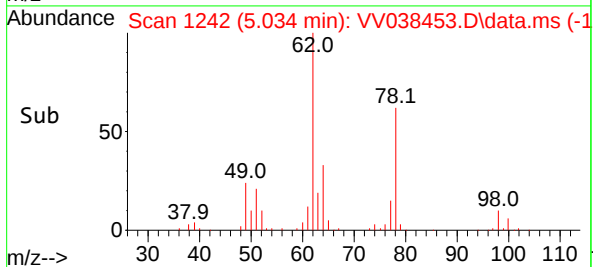
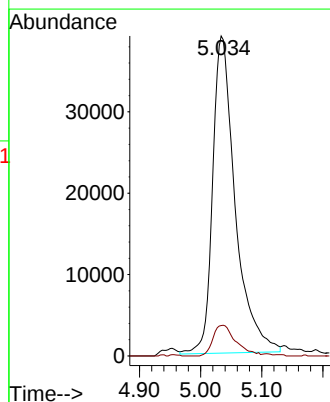
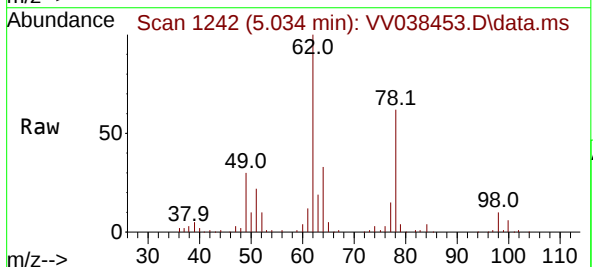
Acq: 20 Jan 2025 09:59

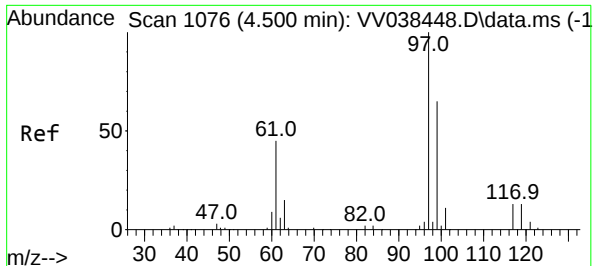
Tgt Ion: 62 Resp: 100278

Ion Ratio Lower Upper

62 100

98 9.5 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.063 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

ClientSampleId :

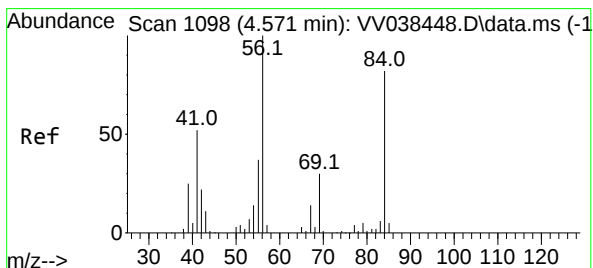
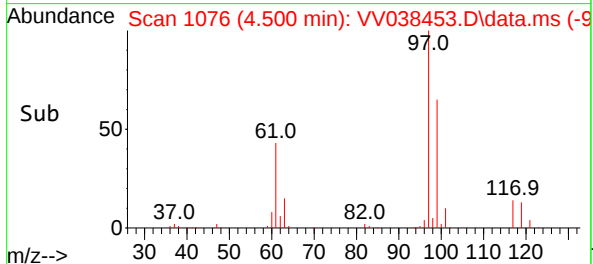
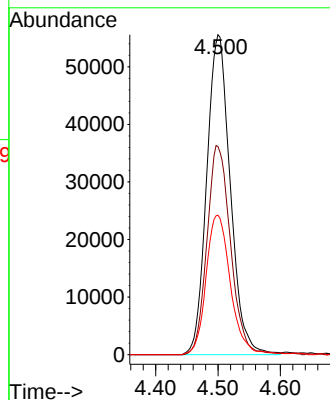
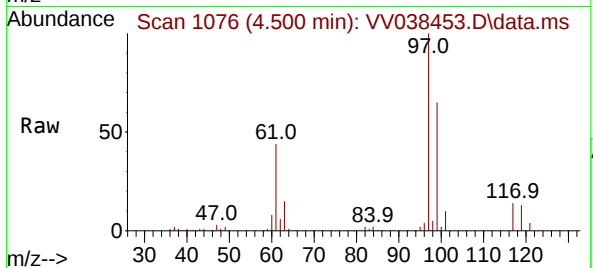
Tgt Ion: 97 Resp: 146021

Ion Ratio Lower Upper

97 100

99 65.4 52.9 79.3

61 45.0 36.4 54.6



#30

Cyclohexane

Concen: 5.287 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

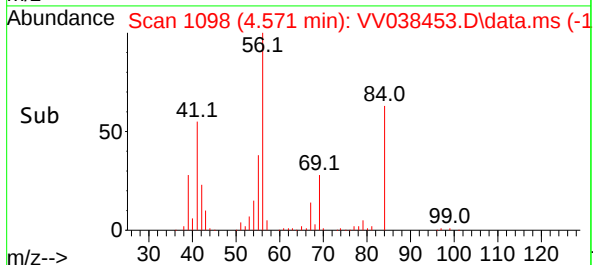
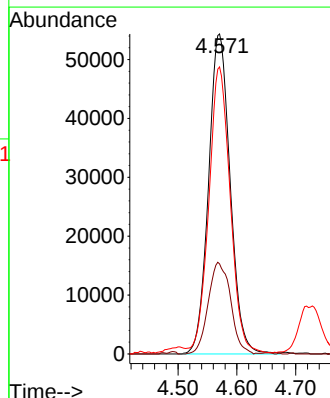
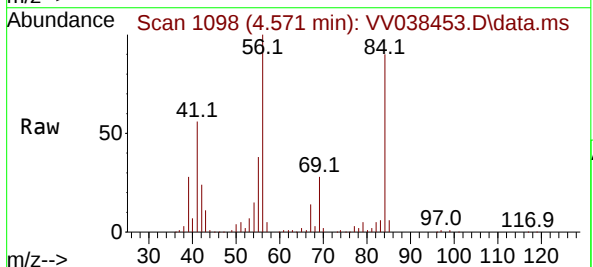
Tgt Ion: 56 Resp: 138887

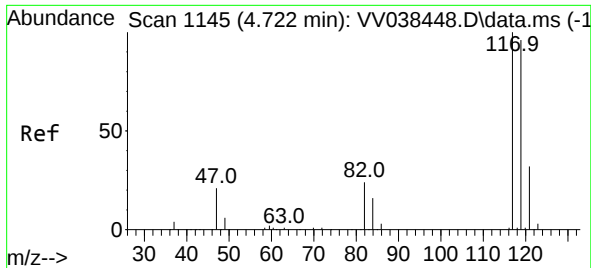
Ion Ratio Lower Upper

56 100

69 29.6 24.7 37.1

84 88.0 68.2 102.2

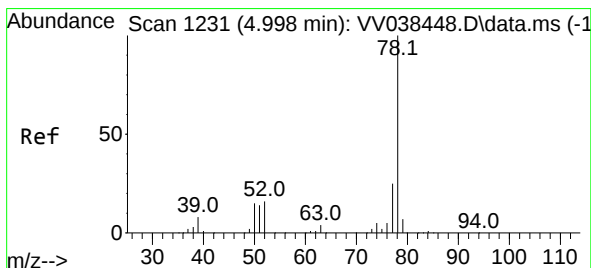
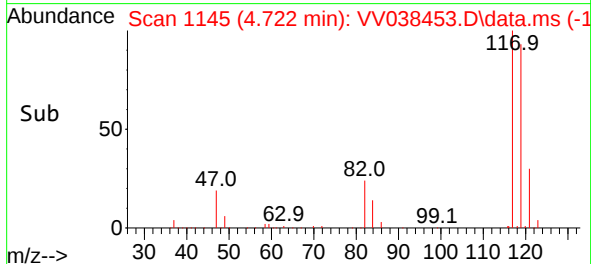
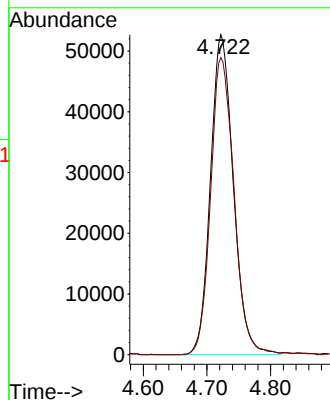
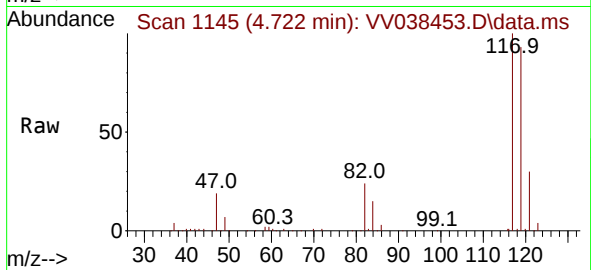




#31
Carbon tetrachloride
Concen: 5.157 ug/L
RT: 4.722 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

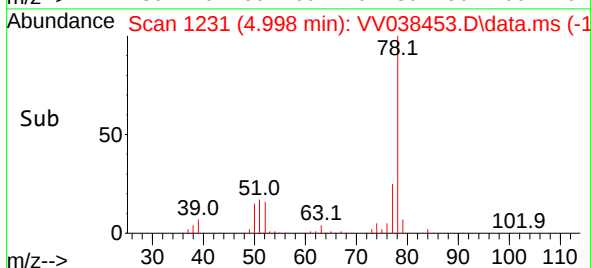
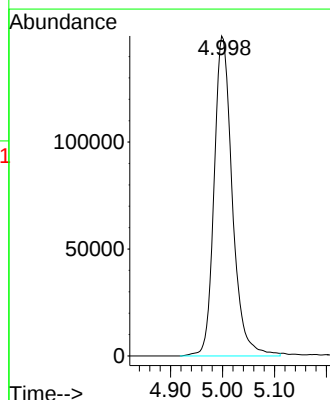
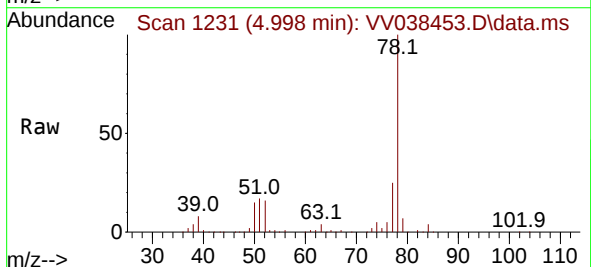
Instrument :
MSVOA_V
ClientSampleId :

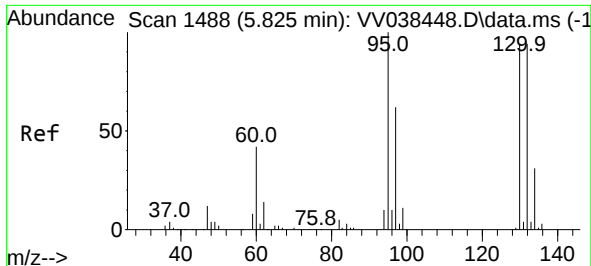
Tgt Ion:117 Resp: 131451
Ion Ratio Lower Upper
117 100
119 95.0 76.6 115.0



#33
Benzene
Concen: 5.289 ug/L
RT: 4.998 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

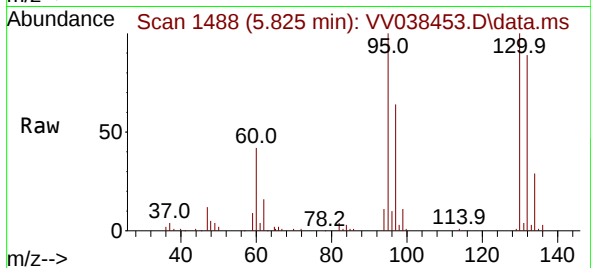
Tgt Ion: 78 Resp: 364309



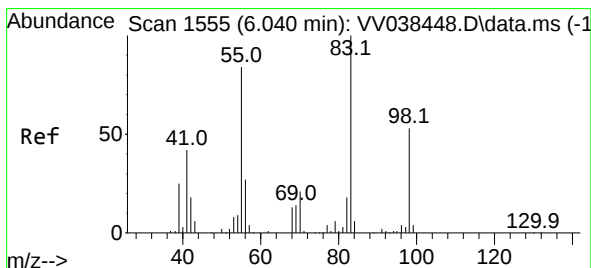
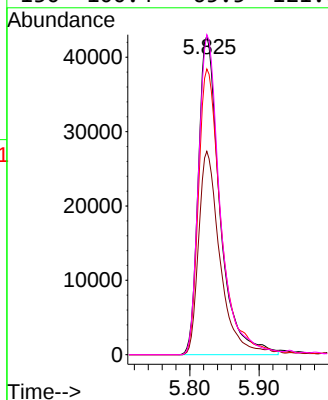
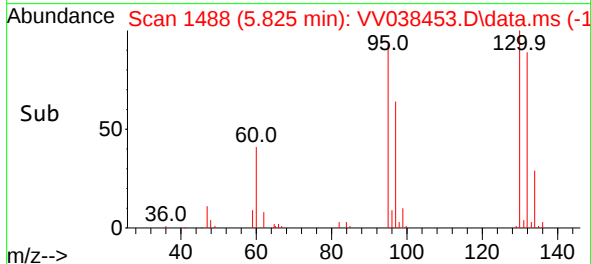


#34
Trichloroethene
Concen: 5.178 ug/L
RT: 5.825 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

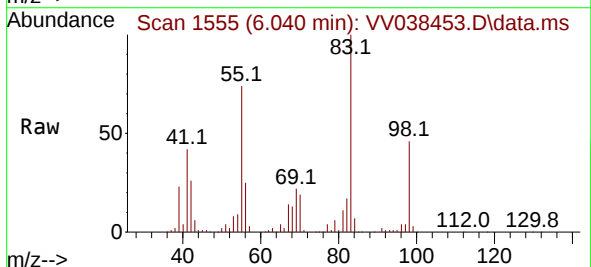
Instrument :
MSVOA_V
ClientSampleId :



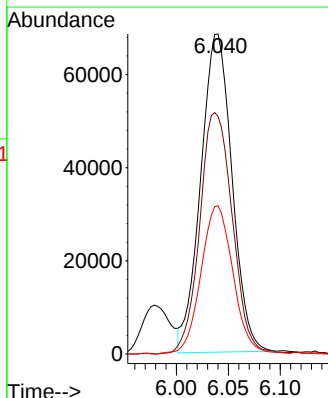
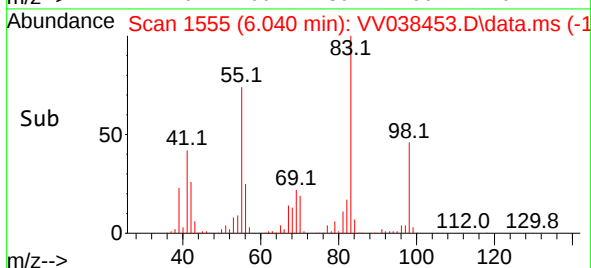
Tgt Ion: 95 Resp: 92692
Ion Ratio Lower Upper
95 100
97 63.8 43.4 80.6
132 89.7 65.5 121.6
130 100.4 65.5 121.6

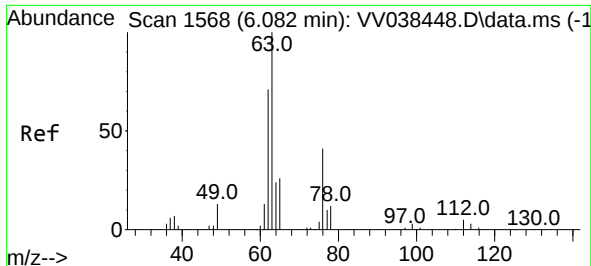


#35
Methylcyclohexane
Concen: 5.249 ug/L
RT: 6.040 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59



Tgt Ion: 83 Resp: 143237
Ion Ratio Lower Upper
83 100
55 79.5 59.4 89.0
98 47.7 37.8 56.8





#37

1,2-Dichloropropane

Concen: 5.341 ug/L

RT: 6.085 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

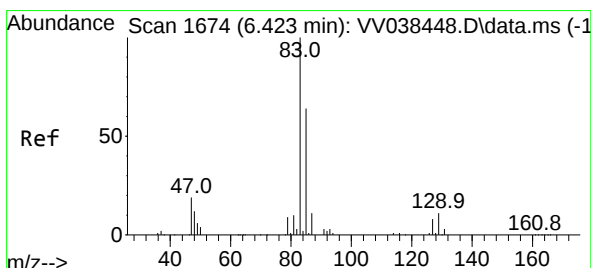
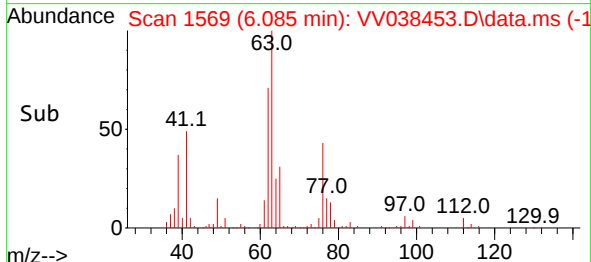
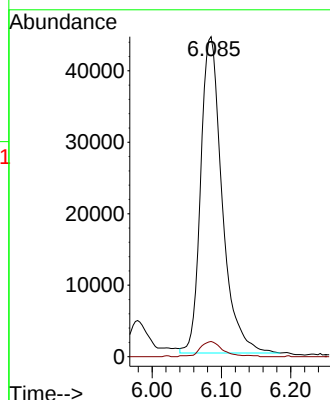
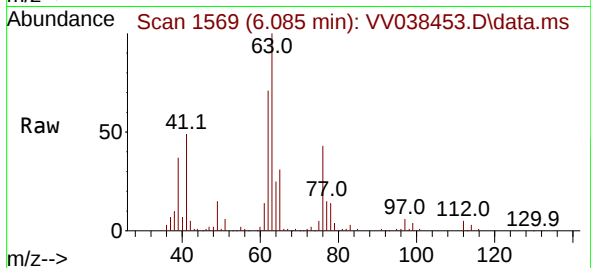
ClientSampleId :

Tgt Ion: 63 Resp: 95013

Ion Ratio Lower Upper

63 100

112 5.0 4.1 6.1



#38

Bromodichloromethane

Concen: 5.107 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. 0.003 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

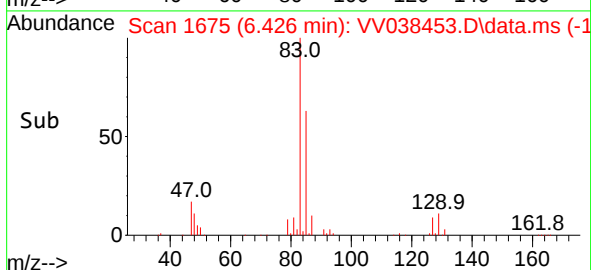
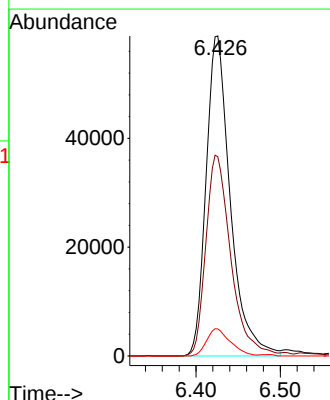
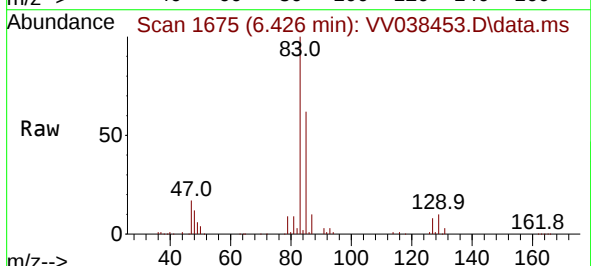
Tgt Ion: 83 Resp: 117821

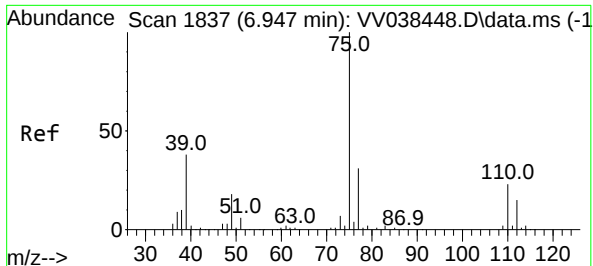
Ion Ratio Lower Upper

83 100

85 62.2 44.7 83.1

127 8.5 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.313 ug/L

RT: 6.947 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

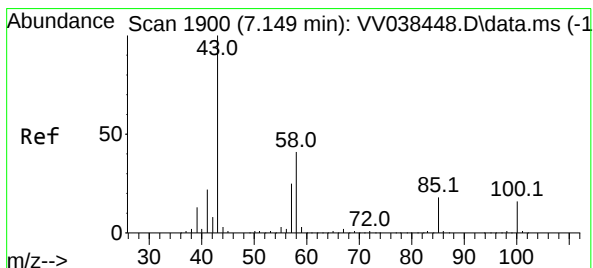
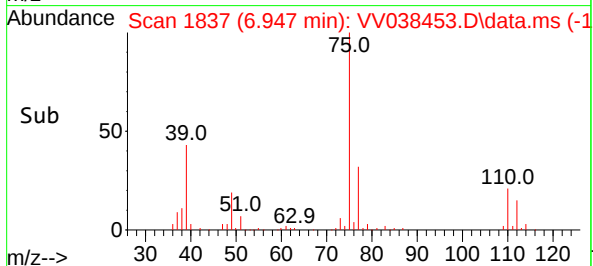
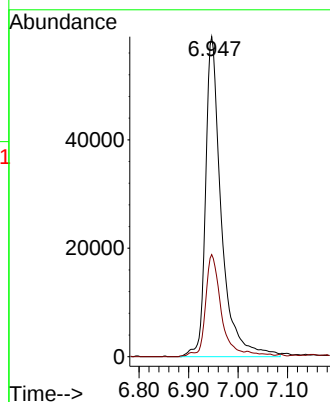
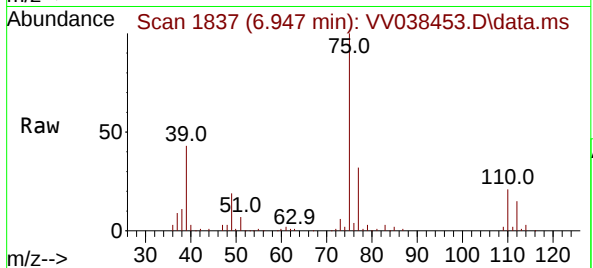
ClientSampleId :

Tgt Ion: 75 Resp: 130295

Ion Ratio Lower Upper

75 100

77 31.9 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 58.712 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. 0.003 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

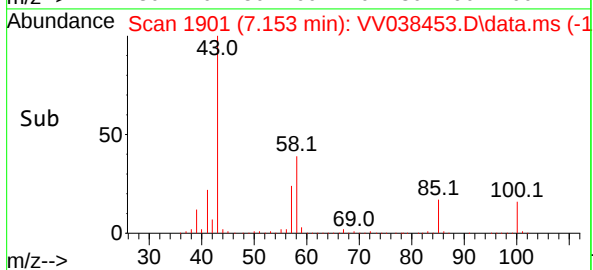
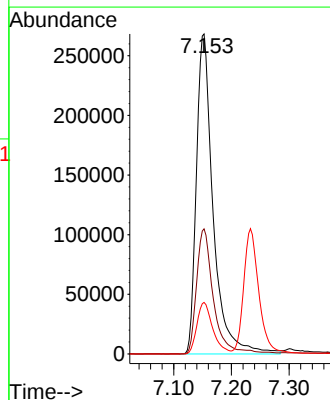
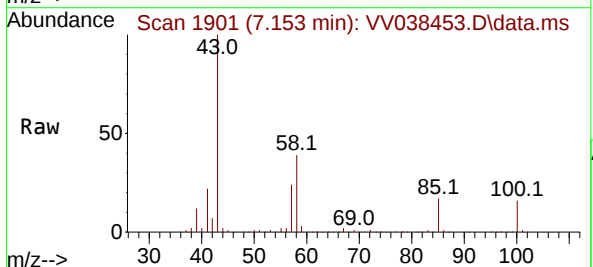
Tgt Ion: 43 Resp: 540411

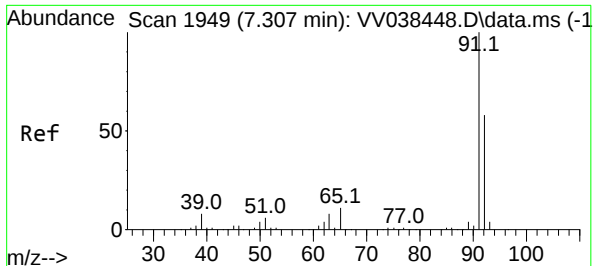
Ion Ratio Lower Upper

43 100

58 39.1 31.7 47.5

100 15.2 12.4 18.6





#42

Toluene

Concen: 5.435 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

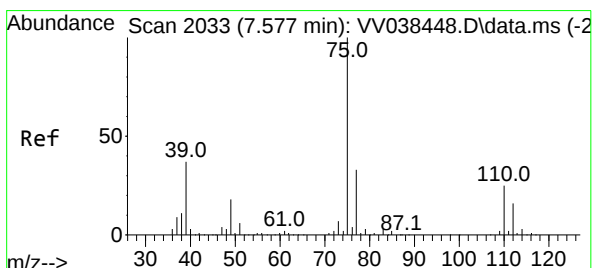
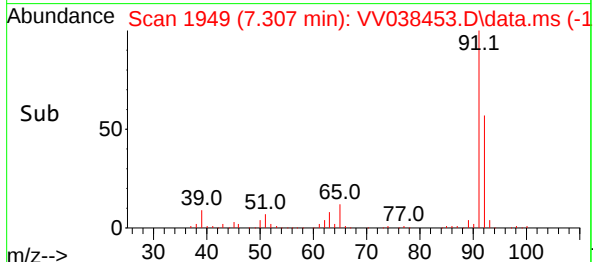
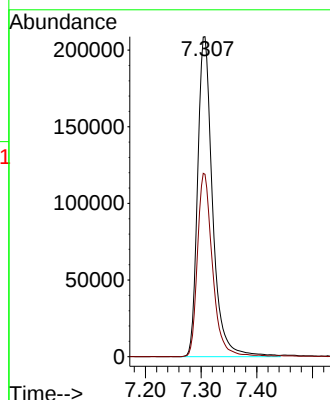
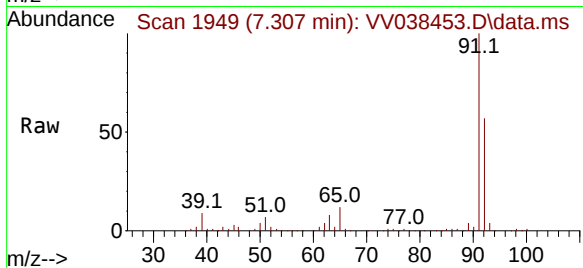
ClientSampleId :

Tgt Ion: 91 Resp: 390197

Ion Ratio Lower Upper

91 100

92 57.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.399 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV038453.D

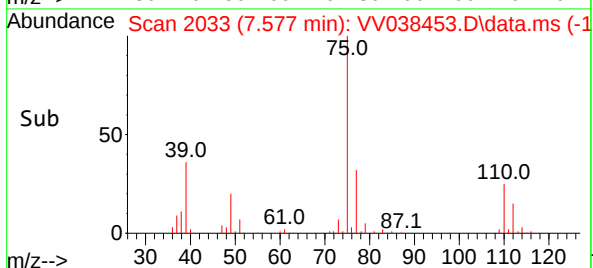
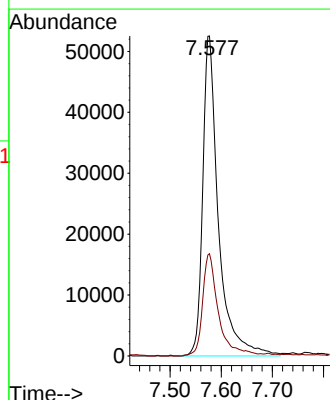
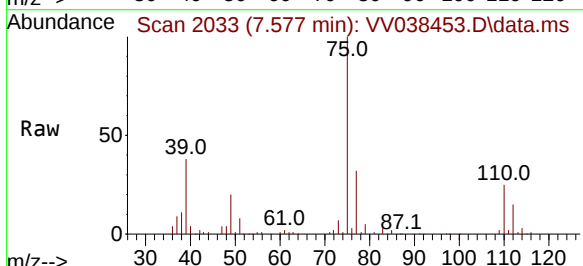
Acq: 20 Jan 2025 09:59

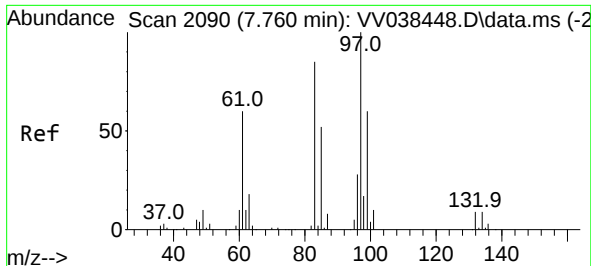
Tgt Ion: 75 Resp: 112193

Ion Ratio Lower Upper

75 100

77 32.0 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 5.581 ug/L

RT: 7.760 min Scan# 2090

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 71407

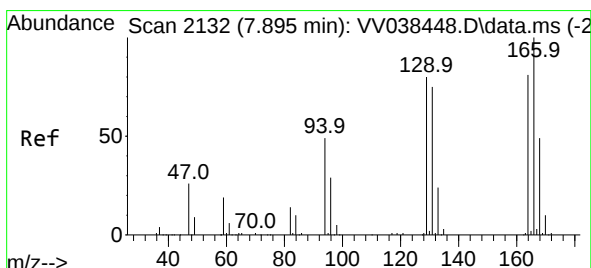
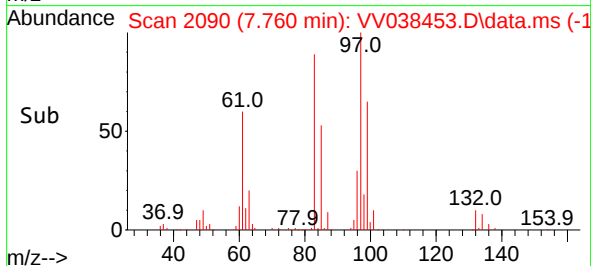
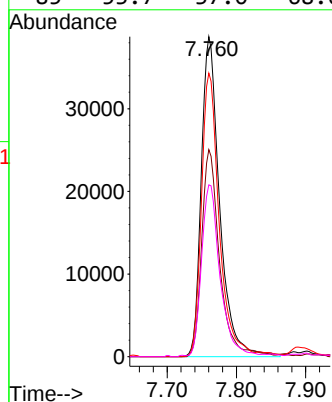
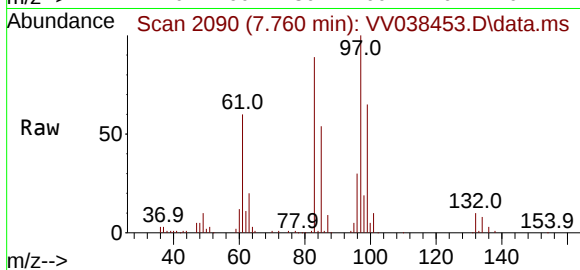
Ion Ratio Lower Upper

97 100

99 64.7 42.3 78.5

83 88.6 59.4 110.4

85 53.7 37.0 68.6



#47

Tetrachloroethene

Concen: 5.332 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Tgt Ion: 164 Resp: 73875

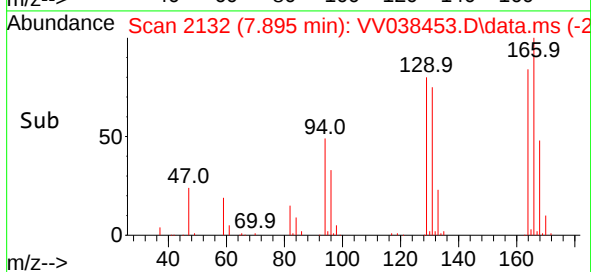
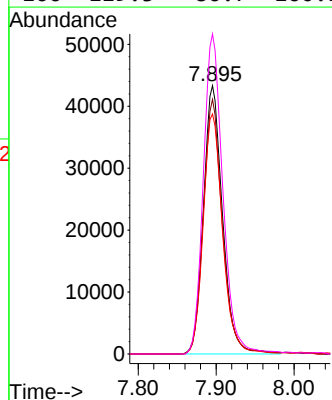
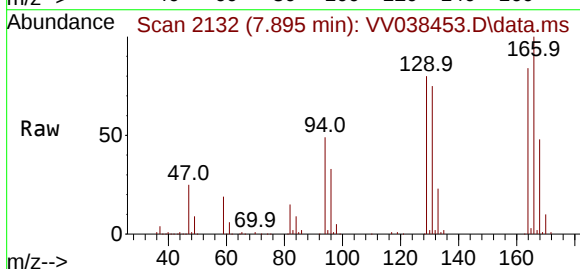
Ion Ratio Lower Upper

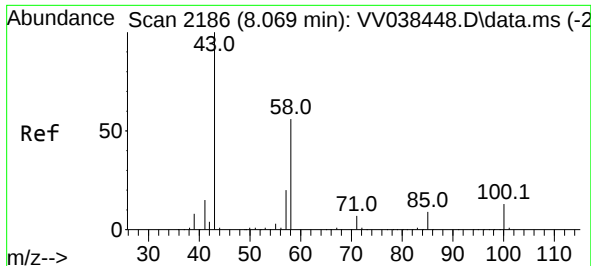
164 100

129 94.9 68.9 127.9

131 89.5 65.2 121.2

166 119.3 86.7 160.9



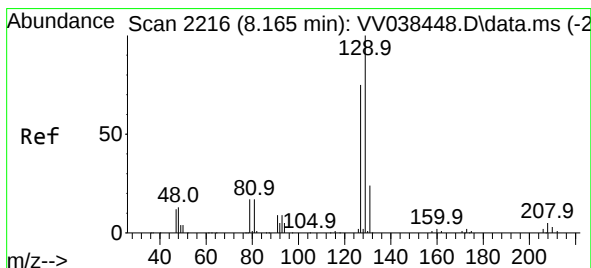
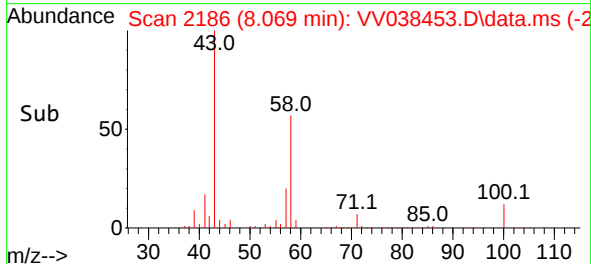
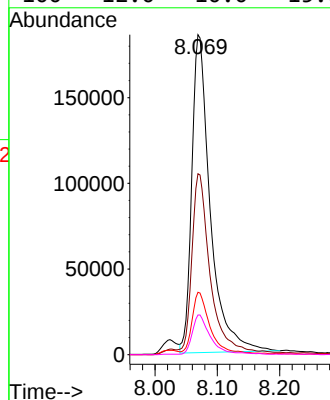
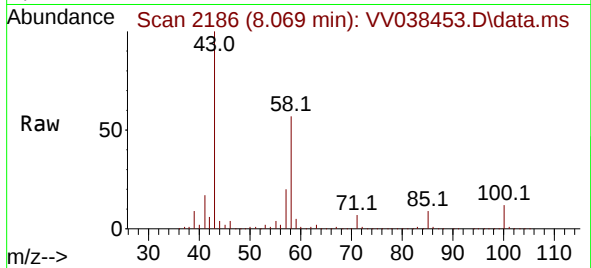


#48
2-Hexanone
Concen: 57.209 ug/L
RT: 8.069 min Scan# 2186
Delta R.T. -0.000 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 381263

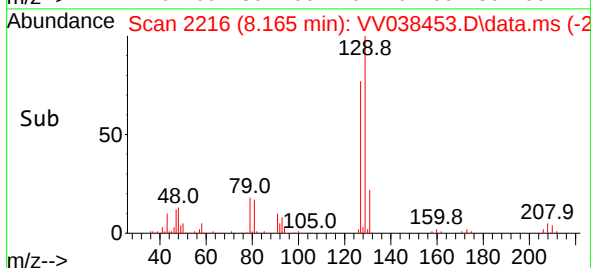
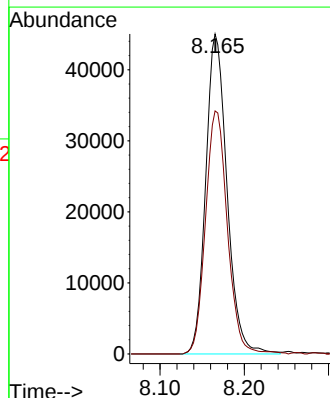
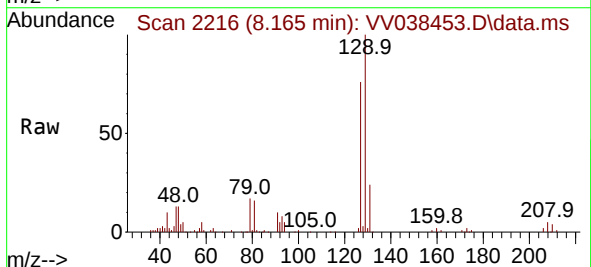
Ion	Ratio	Lower	Upper
43	100		
58	54.4	43.6	65.4
57	18.5	15.0	22.4
100	12.0	10.0	15.0

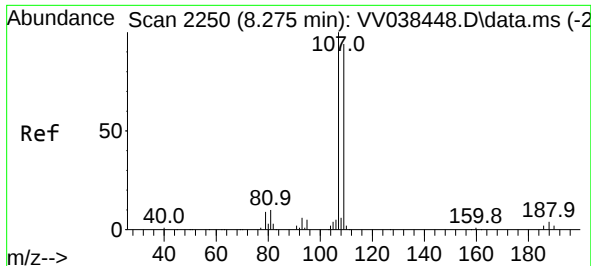


#49
Dibromochloromethane
Concen: 5.372 ug/L
RT: 8.165 min Scan# 2216
Delta R.T. -0.000 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

Tgt Ion: 129 Resp: 79134

Ion	Ratio	Lower	Upper
129	100		
127	76.0	52.8	98.2





#50

1,2-Dibromoethane

Concen: 5.588 ug/L

RT: 8.275 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV038453.D

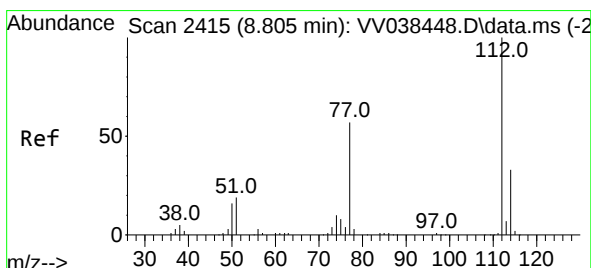
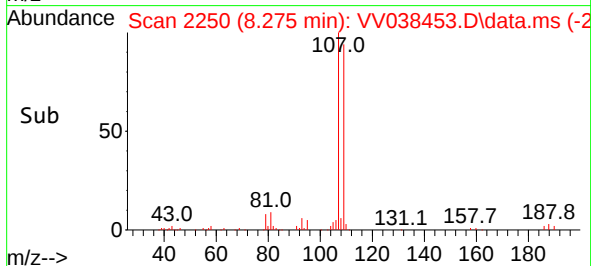
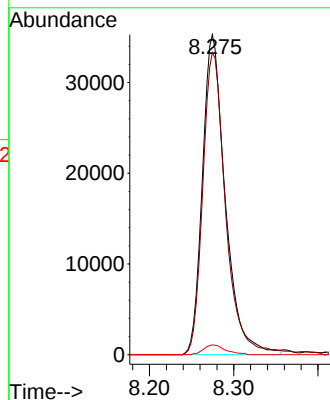
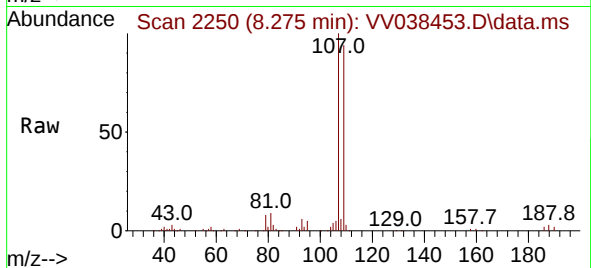
Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	66529
Ion	Ratio	Lower Upper
107	100	
109	94.4	65.9 122.3
188	3.1	2.8 4.2



#51

Chlorobenzene

Concen: 5.129 ug/L

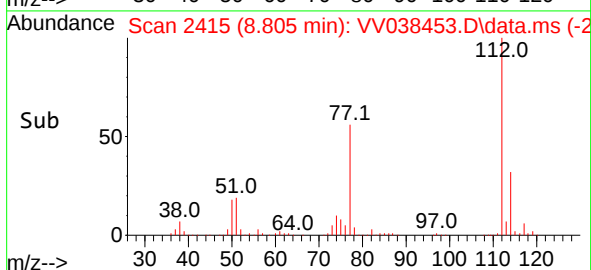
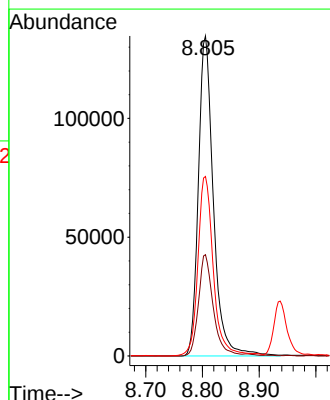
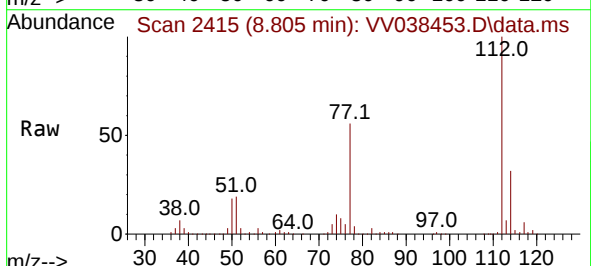
RT: 8.805 min Scan# 2415

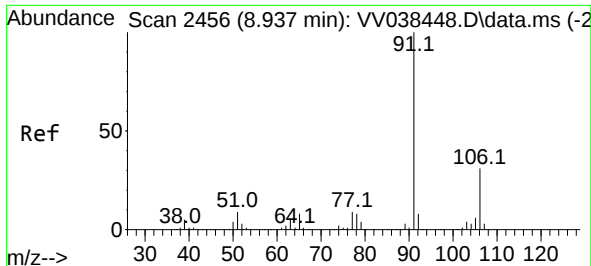
Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Tgt Ion:112	Resp:	247807
Ion	Ratio	Lower Upper
112	100	
114	31.7	22.9 42.5
77	56.1	46.1 69.1





#52

Ethylbenzene

Concen: 5.133 ug/L

RT: 8.937 min Scan# 2456

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

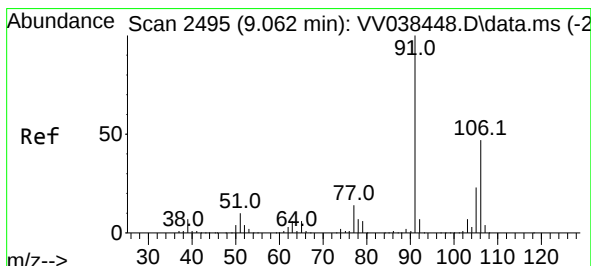
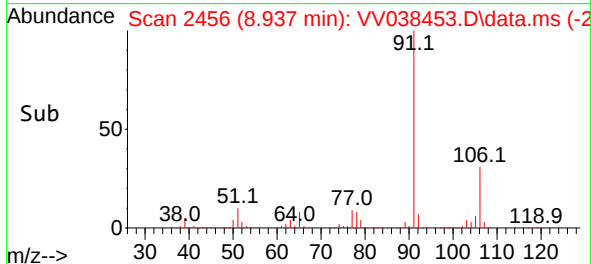
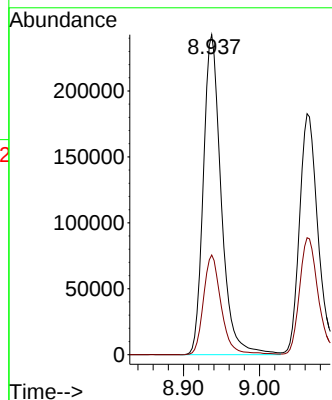
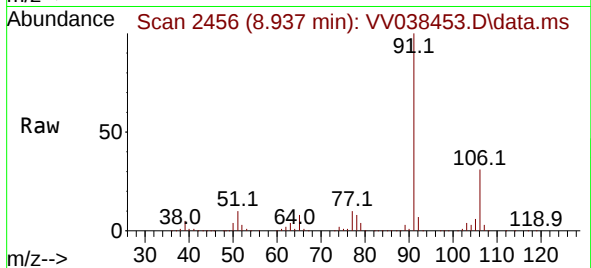
ClientSampleId :

Tgt Ion: 91 Resp: 396417

Ion Ratio Lower Upper

91 100

106 31.1 22.0 40.8



#53

m,p-Xylene

Concen: 5.324 ug/L

RT: 9.062 min Scan# 2495

Delta R.T. -0.000 min

Lab File: VV038453.D

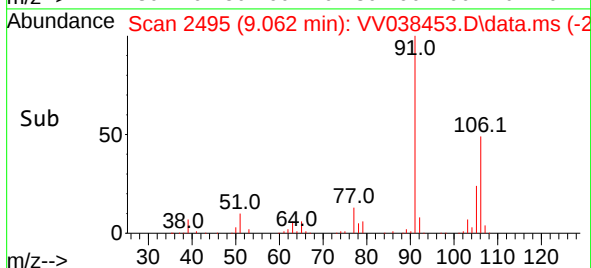
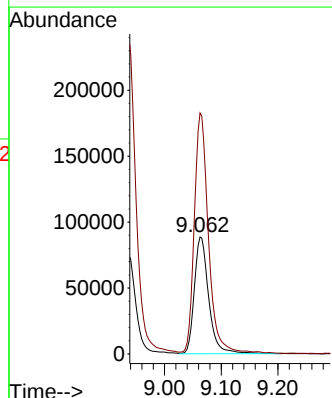
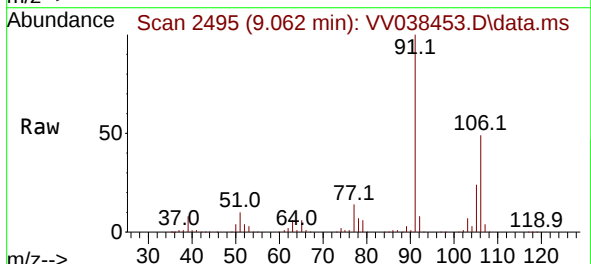
Acq: 20 Jan 2025 09:59

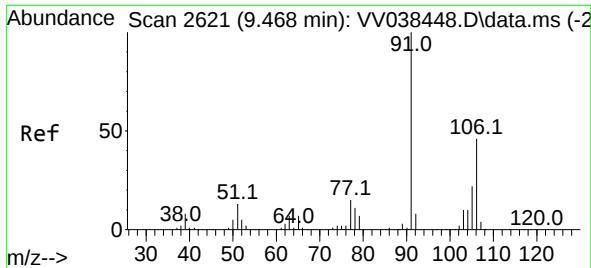
Tgt Ion: 106 Resp: 155844

Ion Ratio Lower Upper

106 100

91 206.0 148.2 275.2

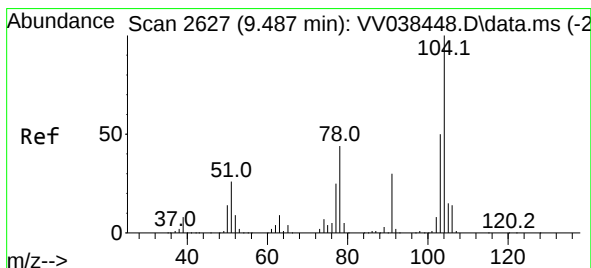
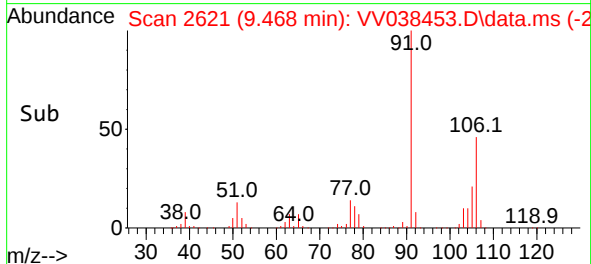
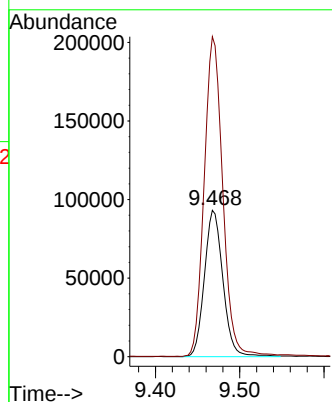
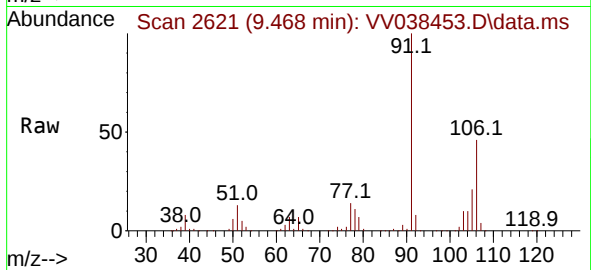




#54
o-Xylene
Concen: 5.117 ug/L
RT: 9.468 min Scan# 2621
Delta R.T. -0.000 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

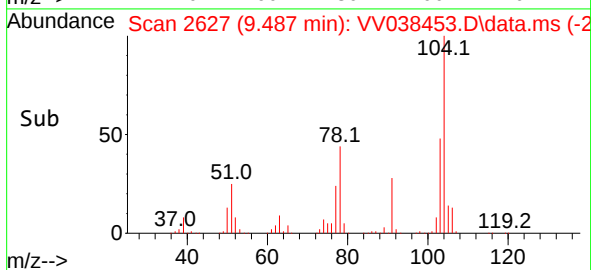
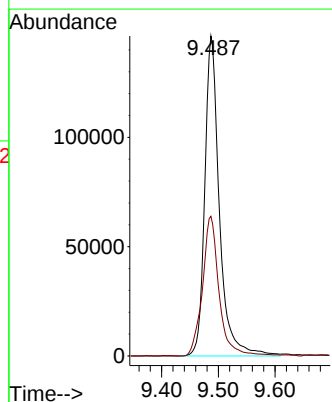
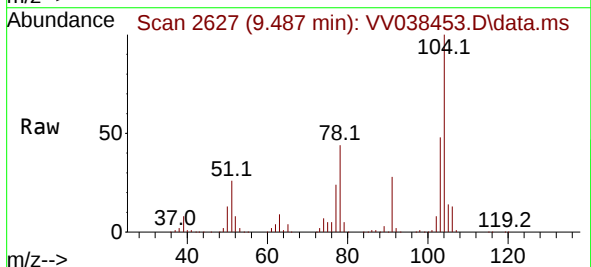
Instrument :
MSVOA_V
ClientSampleId :

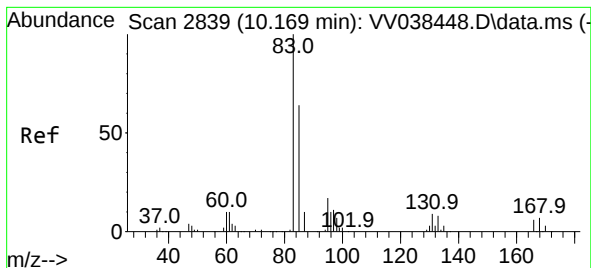
Tgt Ion:106 Resp: 142735
Ion Ratio Lower Upper
106 100
91 218.5 151.4 281.2



#55
Styrene
Concen: 5.400 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

Tgt Ion:104 Resp: 262656
Ion Ratio Lower Upper
104 100
78 43.6 30.8 57.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.642 ug/L

RT: 10.168 min Scan# 2839

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

ClientSampleId :

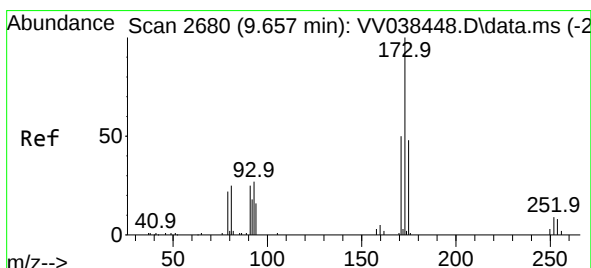
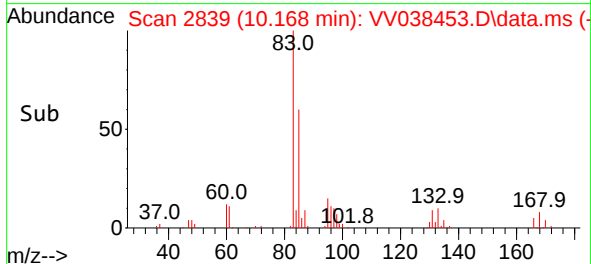
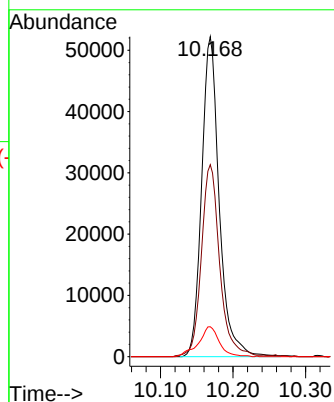
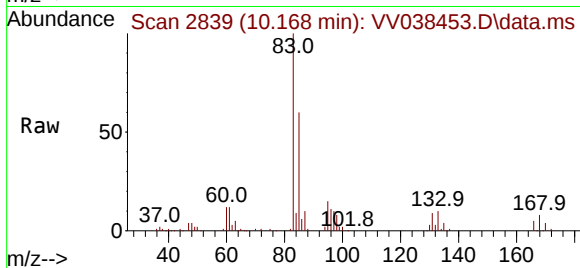
Tgt Ion: 83 Resp: 87913

Ion Ratio Lower Upper

83 100

85 60.0 45.1 83.7

131 9.4 7.5 11.3



#59

Bromoform

Concen: 5.243 ug/L

RT: 9.657 min Scan# 2680

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

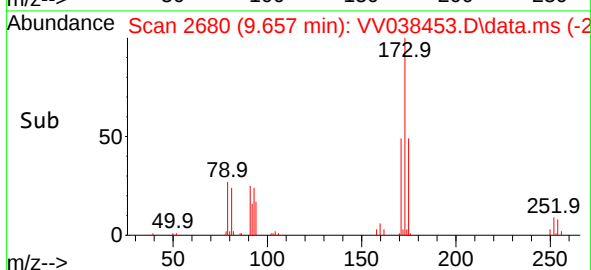
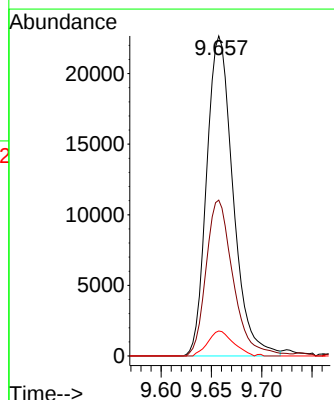
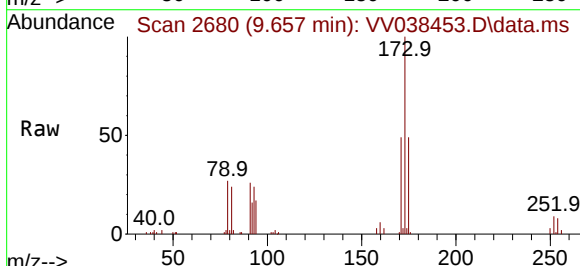
Tgt Ion: 173 Resp: 41382

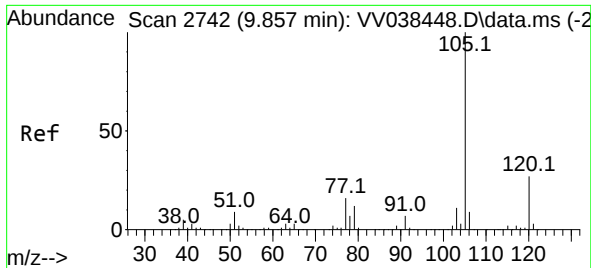
Ion Ratio Lower Upper

173 100

175 50.0 37.6 56.4

254 7.5 5.6 8.4

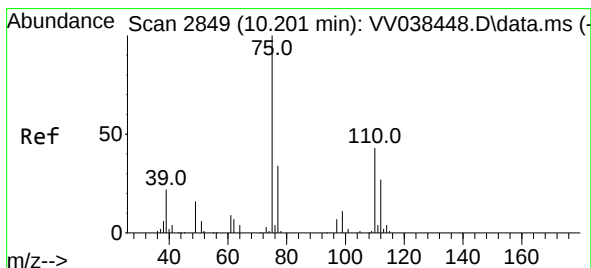
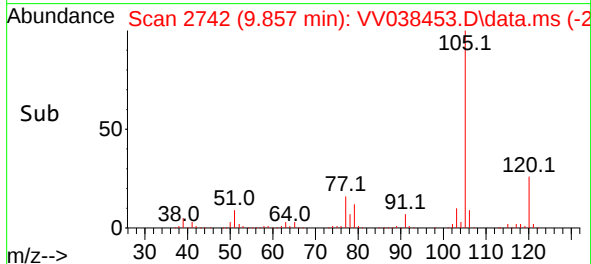
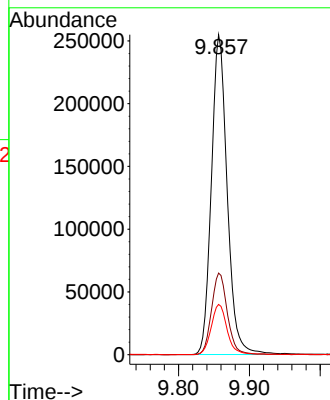
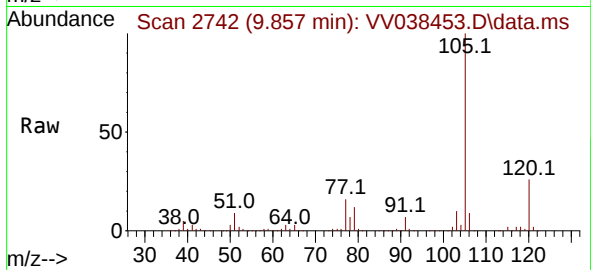




#60
Isopropylbenzene
Concen: 5.184 ug/L
RT: 9.857 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

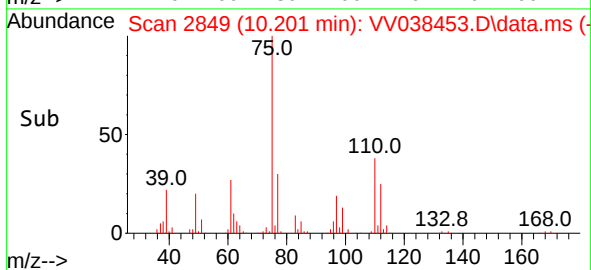
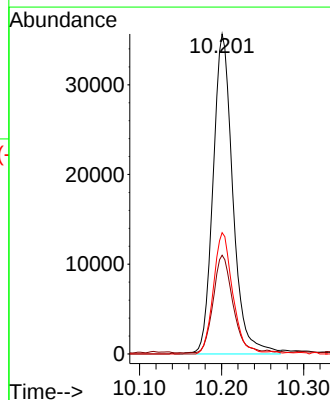
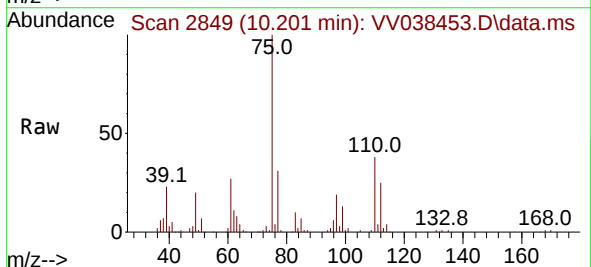
Instrument :
MSVOA_V
ClientSampleId :

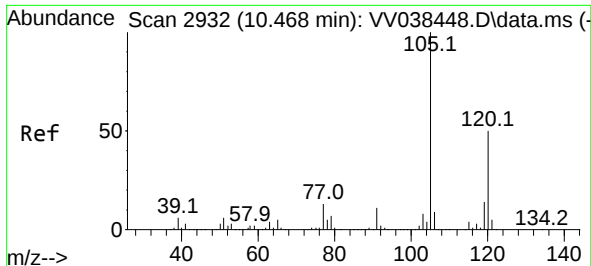
Tgt Ion:105 Resp: 394795
Ion Ratio Lower Upper
105 100
120 25.5 21.4 32.2
77 15.7 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 5.504 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. -0.000 min
Lab File: VV038453.D
Acq: 20 Jan 2025 09:59

Tgt Ion: 75 Resp: 59855
Ion Ratio Lower Upper
75 100
77 30.2 25.4 38.0
110 36.9 32.6 48.8

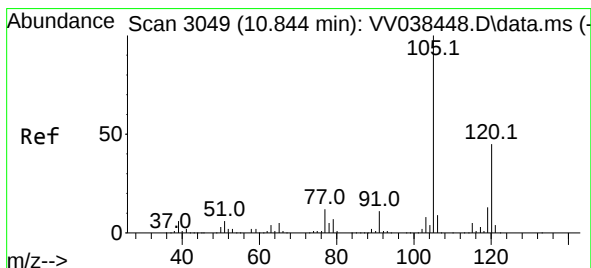
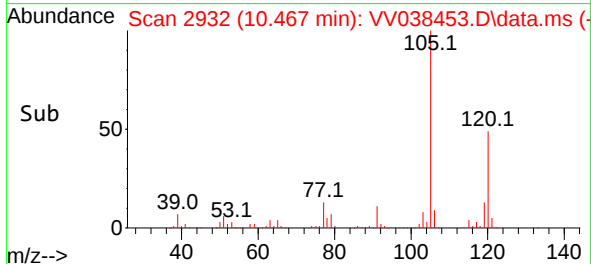
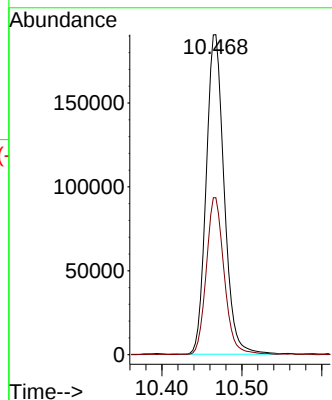
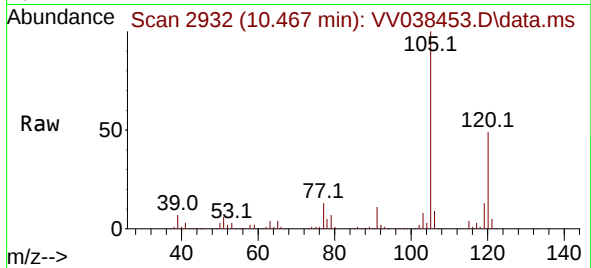




#62
 1,3,5-Trimethylbenzene
 Concen: 4.994 ug/L
 RT: 10.467 min Scan# 2932
 Delta R.T. -0.000 min
 Lab File: VV038453.D
 Acq: 20 Jan 2025 09:59

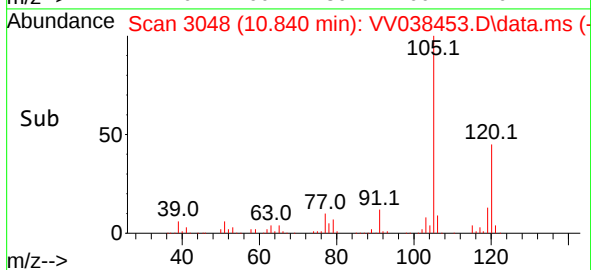
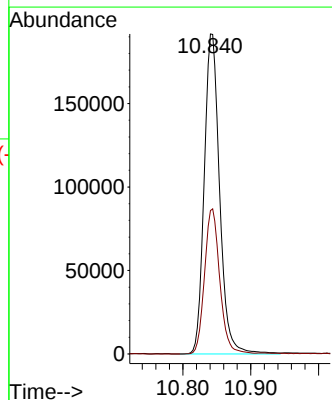
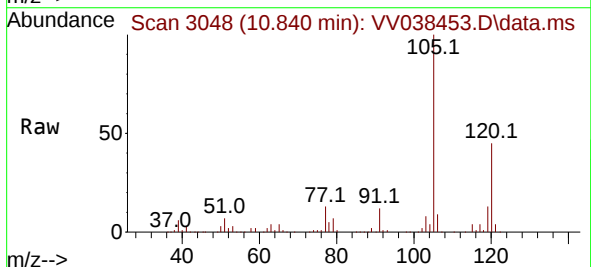
Instrument :
 MSVOA_V
 ClientSampleId :

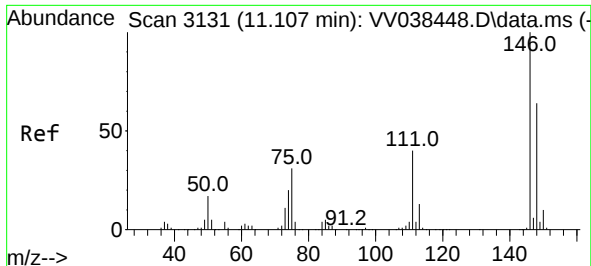
Tgt Ion:105 Resp: 297839
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.4 59.0



#63
 1,2,4-Trimethylbenzene
 Concen: 5.084 ug/L
 RT: 10.840 min Scan# 3048
 Delta R.T. -0.003 min
 Lab File: VV038453.D
 Acq: 20 Jan 2025 09:59

Tgt Ion:105 Resp: 302803
 Ion Ratio Lower Upper
 105 100
 120 44.8 35.8 53.8

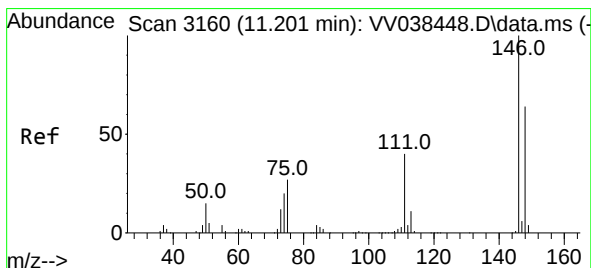
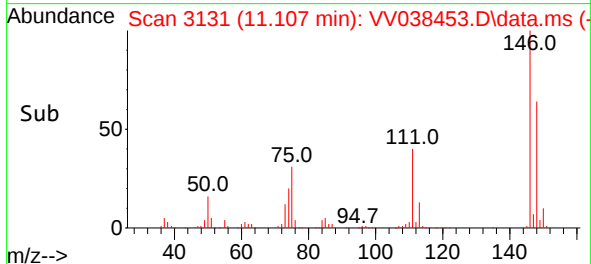
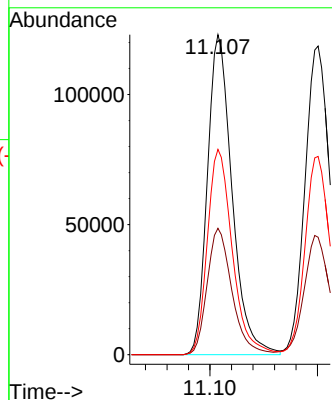
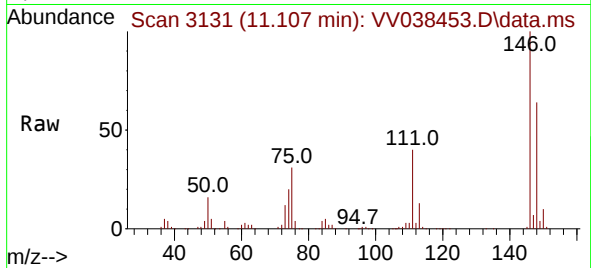




#64
 1,3-Dichlorobenzene
 Concen: 5.188 ug/L
 RT: 11.107 min Scan# 3131
 Delta R.T. -0.000 min
 Lab File: VV038453.D
 Acq: 20 Jan 2025 09:59

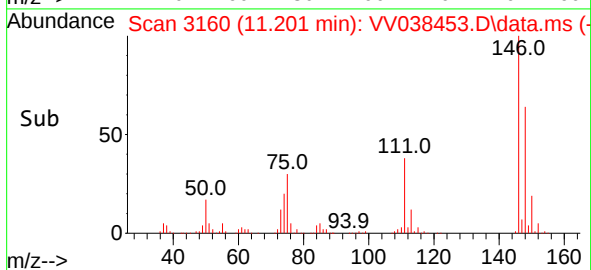
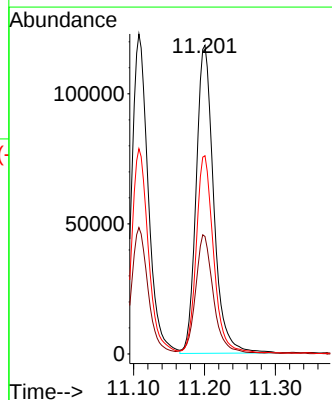
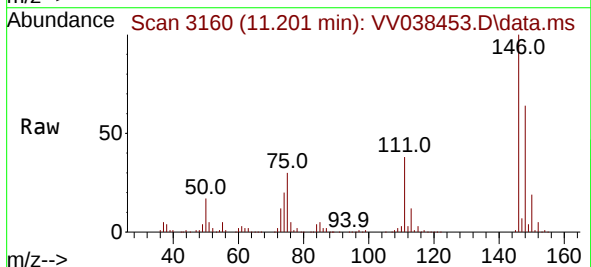
Instrument :
 MSVOA_V
 ClientSampleId :

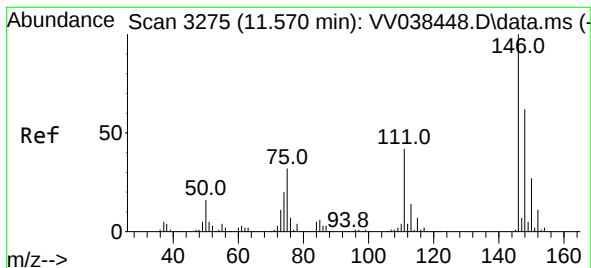
Tgt Ion:146 Resp: 196002
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.9 51.9
 148 64.1 44.7 83.1



#65
 1,4-Dichlorobenzene
 Concen: 5.211 ug/L
 RT: 11.201 min Scan# 3160
 Delta R.T. -0.000 min
 Lab File: VV038453.D
 Acq: 20 Jan 2025 09:59

Tgt Ion:146 Resp: 203530
 Ion Ratio Lower Upper
 146 100
 111 38.1 28.1 52.3
 148 64.2 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.228 ug/L

RT: 11.570 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

ClientSampleId :

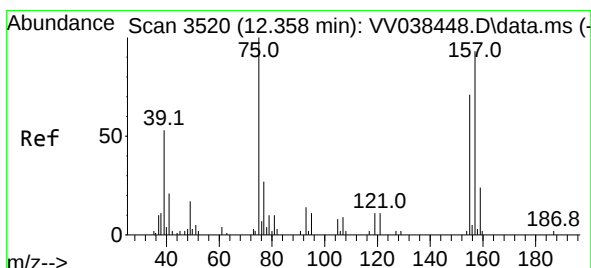
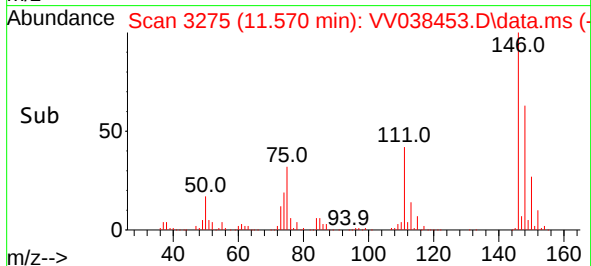
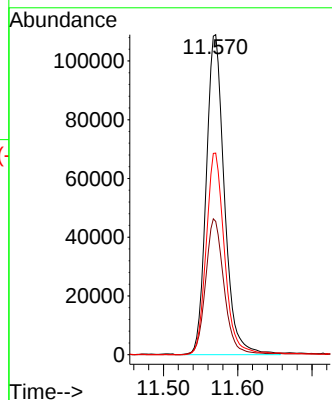
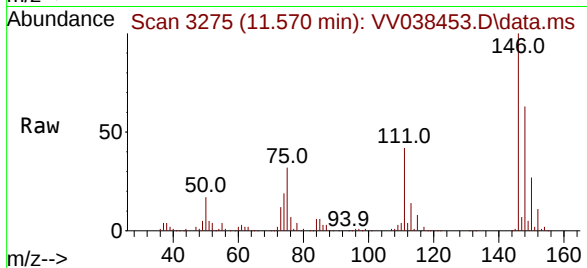
Tgt Ion:146 Resp: 184969

Ion Ratio Lower Upper

146 100

111 41.6 33.4 50.0

148 63.0 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.501 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

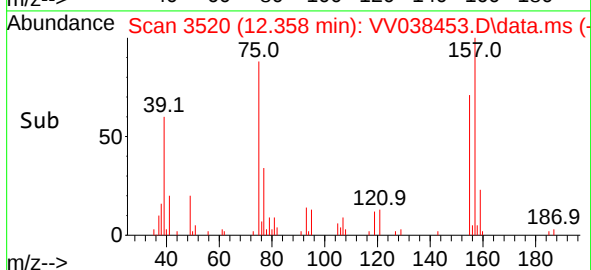
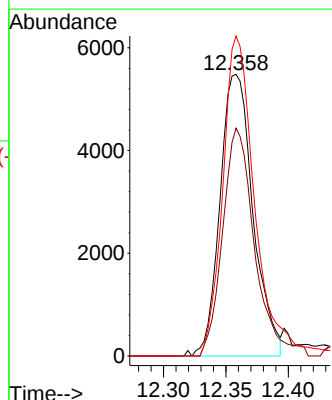
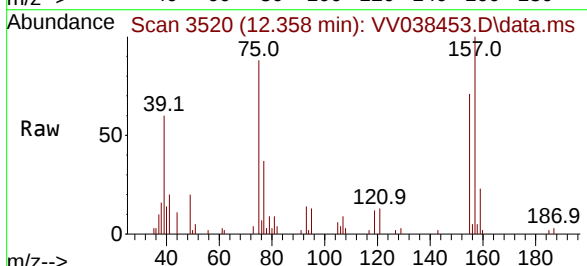
Tgt Ion: 75 Resp: 10116

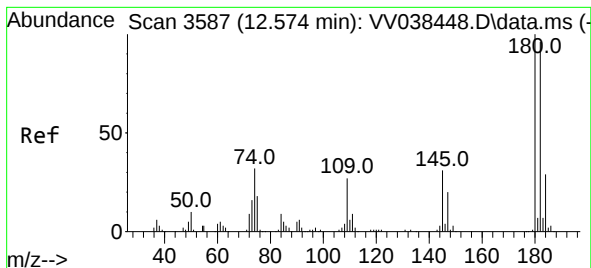
Ion Ratio Lower Upper

75 100

155 80.9 56.7 85.1

157 113.6 74.4 111.6#





#69

1,3,5-Trichlorobenzene

Concen: 4.785 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. -0.000 min

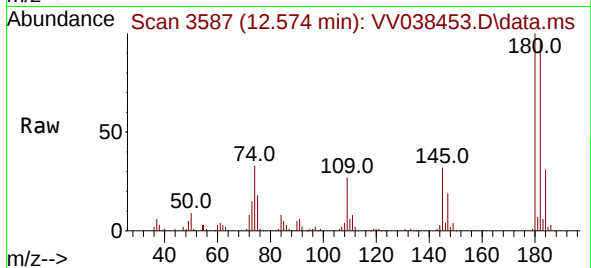
Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 124342

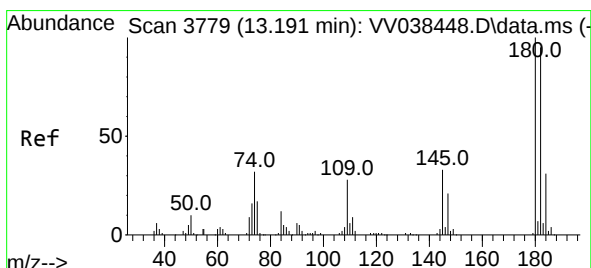
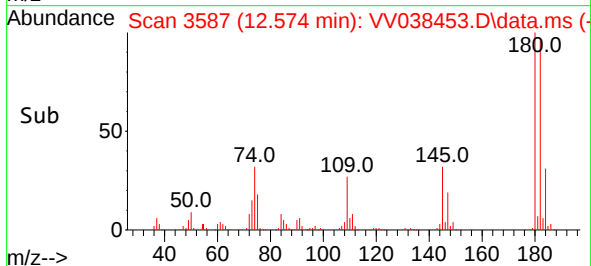
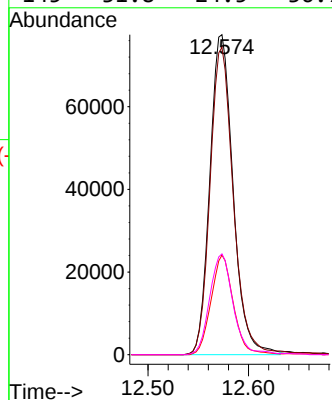
Ion Ratio Lower Upper

180 100

182 97.1 74.3 111.5

184 29.8 23.2 34.8

145 31.8 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 4.695 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

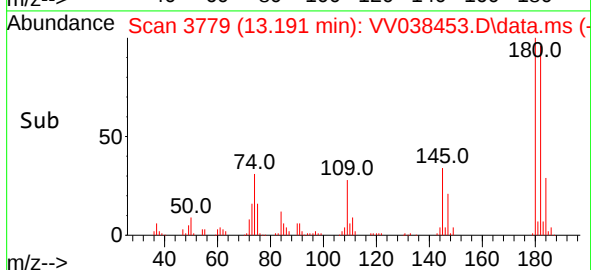
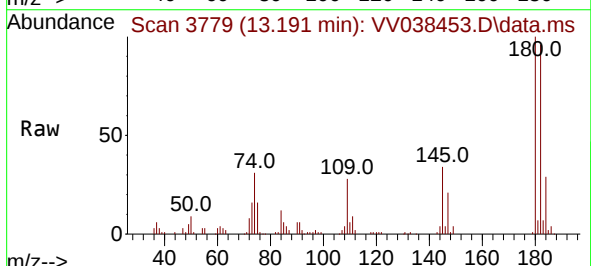
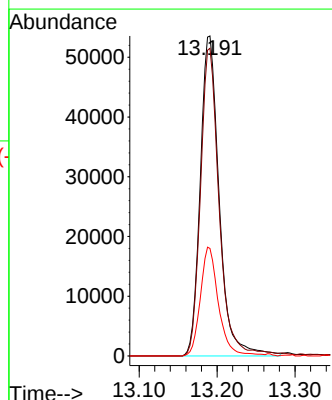
Tgt Ion:180 Resp: 90678

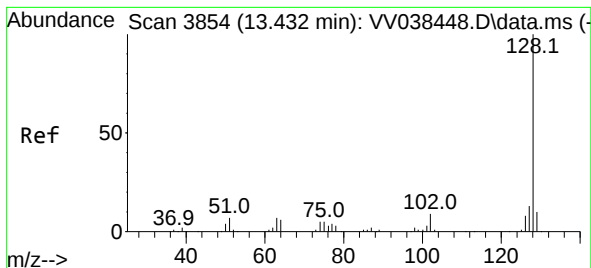
Ion Ratio Lower Upper

180 100

182 94.2 77.5 116.3

145 32.5 26.2 39.4





#71

Naphthalene

Concen: 3.951 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Instrument :

MSVOA_V

ClientSampleId :

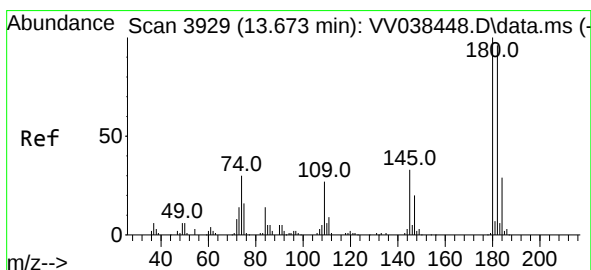
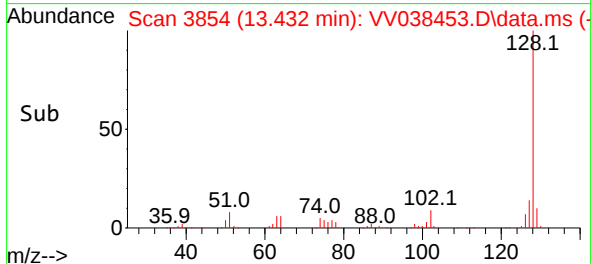
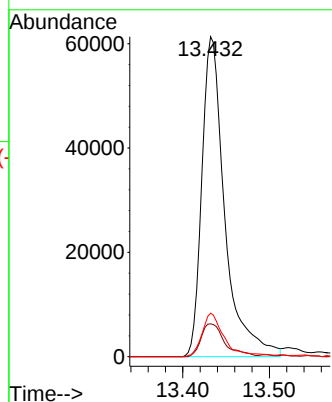
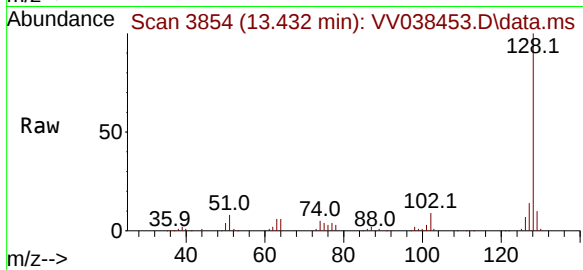
Tgt Ion:128 Resp: 113047

Ion Ratio Lower Upper

128 100

129 10.6 8.3 12.5

127 13.1 11.0 16.6



#72

1,2,3-Trichlorobenzene

Concen: 4.628 ug/L

RT: 13.670 min Scan# 3928

Delta R.T. -0.003 min

Lab File: VV038453.D

Acq: 20 Jan 2025 09:59

Tgt Ion:180 Resp: 77283

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.6

145 33.9 27.1 40.7

