

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW012025\
 Data File : VW038472.D
 Acq On : 20 Jan 2025 18:26
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 21 00:55:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 21 00:50:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	220773	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	228124	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	123649	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	77872	4.277	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.600%
7) Chloroethane-d5	1.529	69	70118	4.586	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.053	65	34583	4.215	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	3.789	46	194902	50.899	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.800%
24) Chloroform-d	4.240	84	163219	4.783	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	4.934	65	77223	4.939	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
32) Benzene-d6	4.950	84	300997	4.791	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	5.982	67	90428	4.735	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.600%
41) Toluene-d8	7.233	98	278241	4.930	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
43) trans-1,3-Dichloroprop...	7.551	79	34654	4.961	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.200%
46) 2-Hexanone-d5	8.018	63	148910	54.029	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.060%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	82010	5.417	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.400%
66) 1,2-Dichlorobenzene-d4	11.551	152	93277	4.457	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	117783	4.763	ug/L	99
3) Chloromethane	1.214	50	121571	4.805	ug/L	99
5) Vinyl chloride	1.281	62	124529	4.871	ug/L	99
6) Bromomethane	1.484	94	59209	4.630	ug/L	94
8) Chloroethane	1.545	64	73775	4.817	ug/L	97
9) Trichlorofluoromethane	1.709	101	157789	4.850	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	90350	4.858	ug/L	99
12) 1,1-Dichloroethene	2.066	96	87415	4.775	ug/L	93
13) Acetone	2.121	43	146851	49.288	ug/L	98
14) Carbon disulfide	2.236	76	299292	4.866	ug/L	100
15) Methyl Acetate	2.378	43	38451	5.051	ug/L	94
16) Methylene chloride	2.439	84	100562	4.956	ug/L	99
17) Methyl tert-butyl Ether	2.696	73	194029	5.037	ug/L	99
18) trans-1,2-Dichloroethene	2.690	96	90943	4.832	ug/L	96
19) 1,1-Dichloroethane	3.105	63	181384	5.064	ug/L	98
21) 2-Butanone	3.870	43	226516	53.596	ug/L	97
22) cis-1,2-Dichloroethene	3.805	96	96229	5.029	ug/L	98
23) Bromochloromethane	4.143	128	43549	5.002	ug/L	99
25) Chloroform	4.265	83	179980	5.082	ug/L	100

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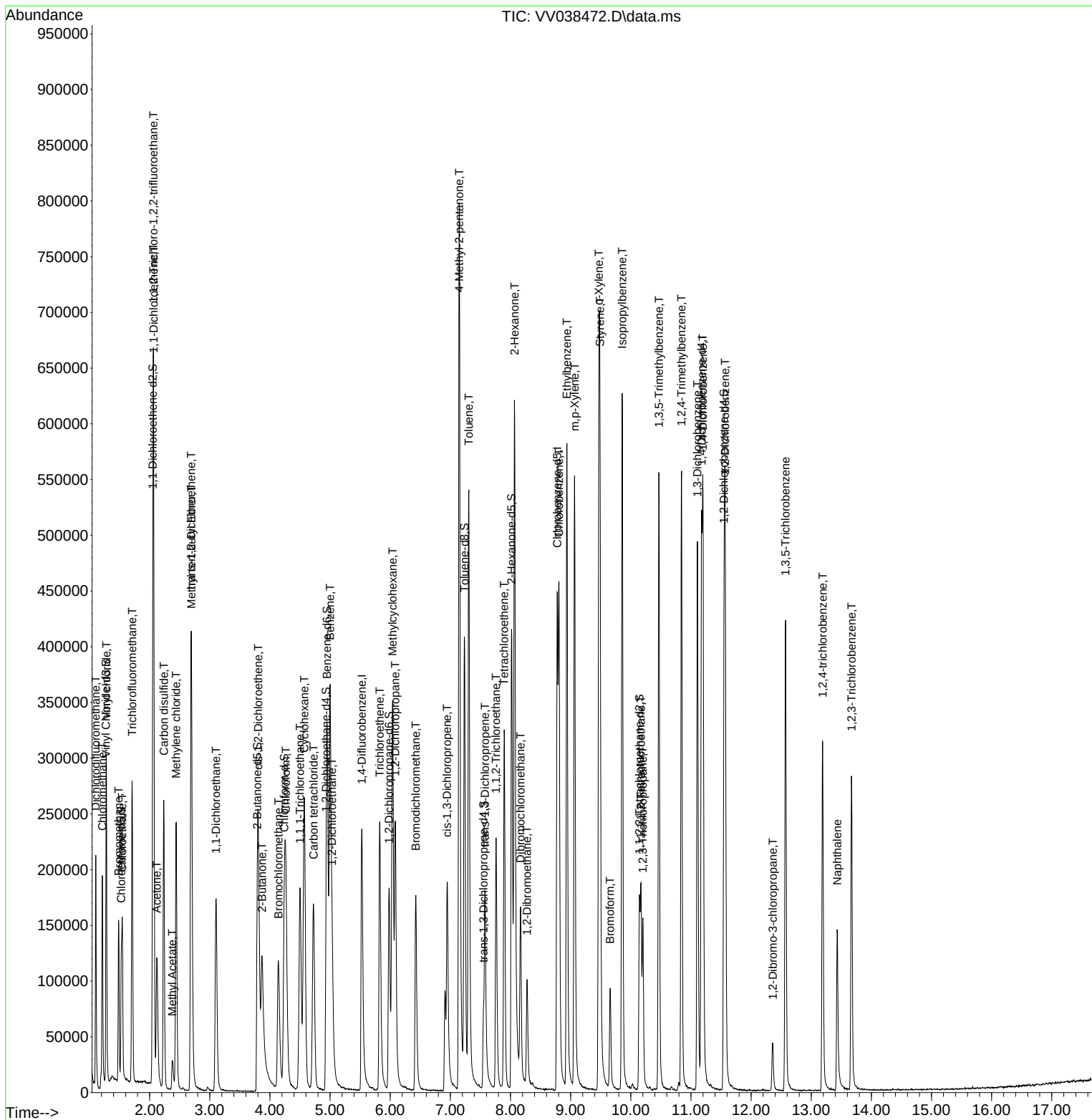
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 ClientSampleId :

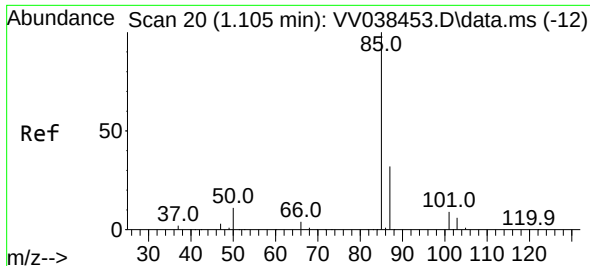
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	106723	5.419	ug/L	97
29) 1,1,1-Trichloroethane	4.503	97	151784	5.005	ug/L	98
30) Cyclohexane	4.571	56	135430	4.903	ug/L	97
31) Carbon tetrachloride	4.725	117	133306	4.973	ug/L	100
33) Benzene	5.002	78	379754	5.242	ug/L	100
34) Trichloroethene	5.825	95	94837	5.038	ug/L	97
35) Methylcyclohexane	6.040	83	135117	4.709	ug/L	94
37) 1,2-Dichloropropane	6.085	63	100571	5.376	ug/L	97
38) Bromodichloromethane	6.426	83	123263	5.080	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	128494	4.983	ug/L	99
40) 4-Methyl-2-pentanone	7.146	43	567894	58.671	ug/L	99
42) Toluene	7.307	91	408045	5.405	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	111357	5.096	ug/L	100
45) 1,1,2-Trichloroethane	7.760	97	73102	5.433	ug/L	96
47) Tetrachloroethene	7.895	164	72043	4.944	ug/L	98
48) 2-Hexanone	8.066	43	422132	60.233	ug/L	98
49) Dibromochloromethane	8.169	129	80166	5.175	ug/L	97
50) 1,2-Dibromoethane	8.275	107	69243	5.530	ug/L	96
51) Chlorobenzene	8.805	112	256636	5.051	ug/L	98
52) Ethylbenzene	8.937	91	409232	5.039	ug/L	99
53) m,p-Xylene	9.066	106	154171	5.008	ug/L	96
54) o-Xylene	9.471	106	147178	5.017	ug/L	99
55) Styrene	9.487	104	270521	5.289	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.169	83	90175	5.503	ug/L	97
59) Bromoform	9.657	173	40673	4.717	ug/L	97
60) Isopropylbenzene	9.857	105	402189	4.834	ug/L	98
61) 1,2,3-Trichloropropane	10.201	75	62333	5.247	ug/L	98
62) 1,3,5-Trimethylbenzene	10.468	105	300823	4.617	ug/L	98
63) 1,2,4-Trimethylbenzene	10.844	105	307782	4.730	ug/L	100
64) 1,3-Dichlorobenzene	11.107	146	197045	4.774	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	204152	4.784	ug/L	99
67) 1,2-Dichlorobenzene	11.570	146	185948	4.811	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	12281	5.001	ug/L	89
69) 1,3,5-Trichlorobenzene	12.574	180	124235	4.376	ug/L	97
70) 1,2,4-trichlorobenzene	13.191	180	95913	4.546	ug/L	99
71) Naphthalene	13.432	128	126433	4.045	ug/L	98
72) 1,2,3-Trichlorobenzene	13.670	180	86534	4.743	ug/L	98

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

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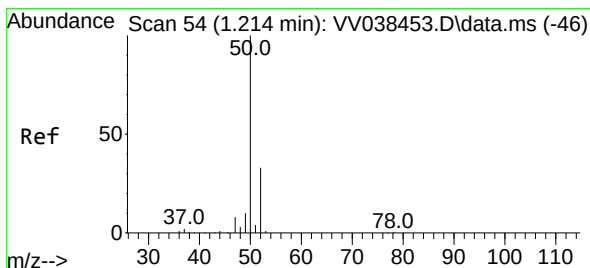
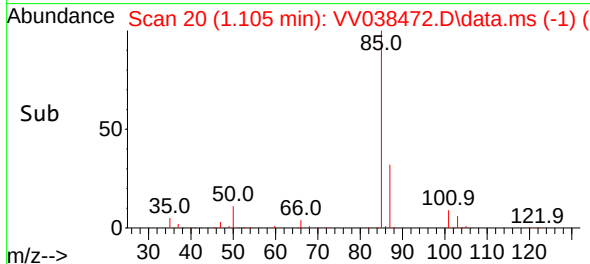
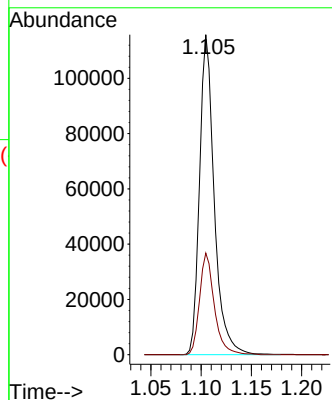
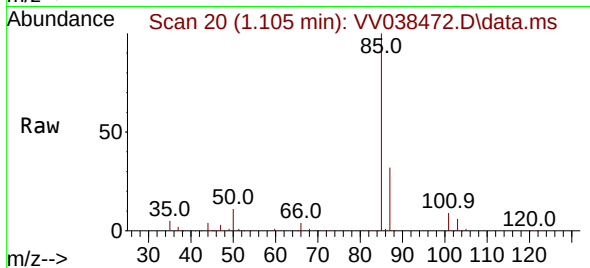




#2
 Dichlorodifluoromethane
 Concen: 4.763 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV038472.D
 Acq: 20 Jan 2025 18:26

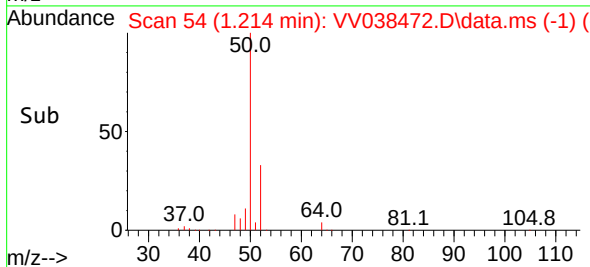
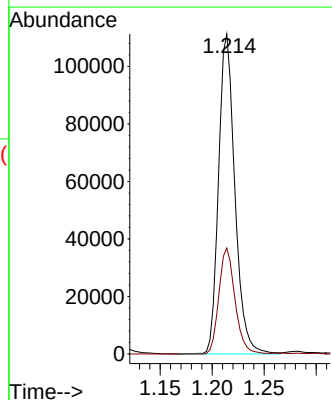
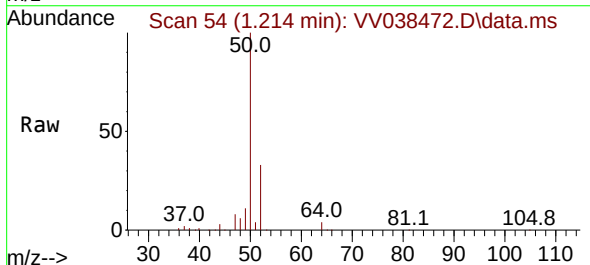
Instrument :
 MSVOA_V
 ClientSampleId :

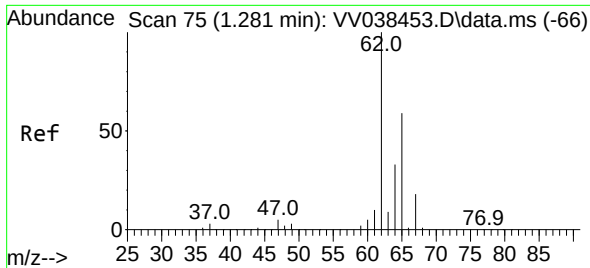
Tgt Ion: 85 Resp: 117783
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.0 39.0



#3
 Chloromethane
 Concen: 4.805 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV038472.D
 Acq: 20 Jan 2025 18:26

Tgt Ion: 50 Resp: 121571
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.0 42.6

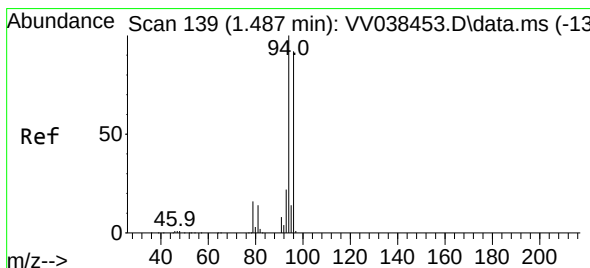
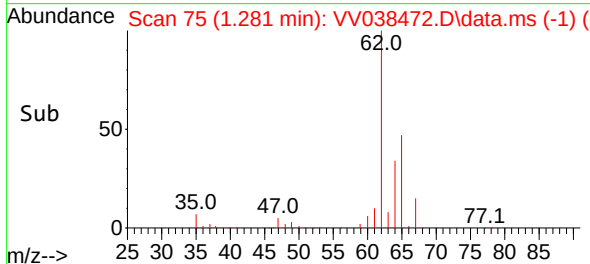
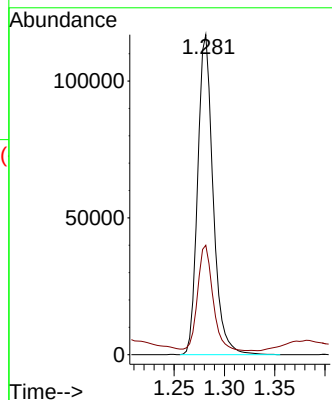
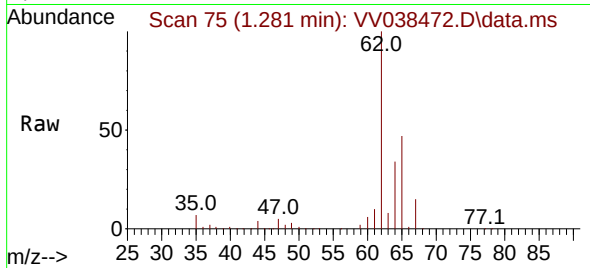




#5
 Vinyl chloride
 Concen: 4.871 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV038472.D
 Acq: 20 Jan 2025 18:26

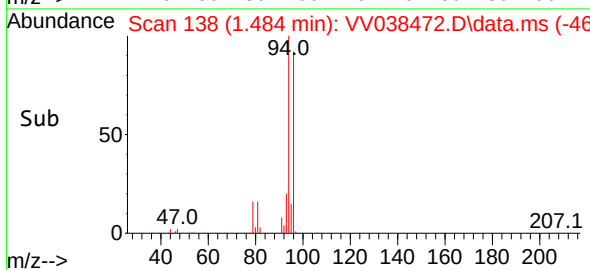
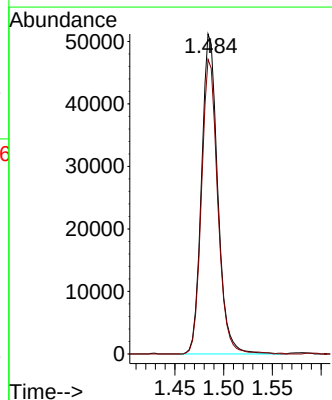
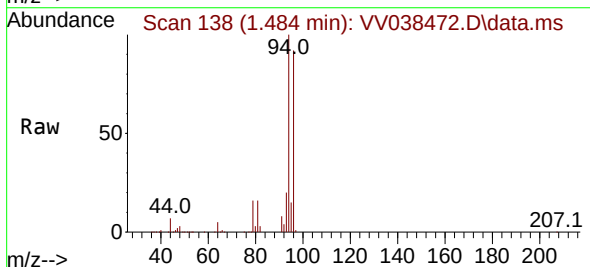
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 ClientSampleId :

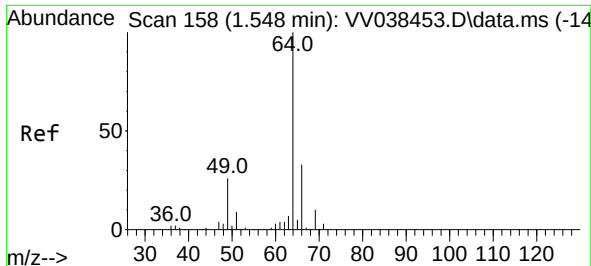
Tgt Ion: 62 Resp: 124529
 Ion Ratio Lower Upper
 62 100
 64 34.2 23.5 43.7



#6
 Bromomethane
 Concen: 4.630 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV038472.D
 Acq: 20 Jan 2025 18:26

Tgt Ion: 94 Resp: 59209
 Ion Ratio Lower Upper
 94 100
 96 92.0 68.9 127.9

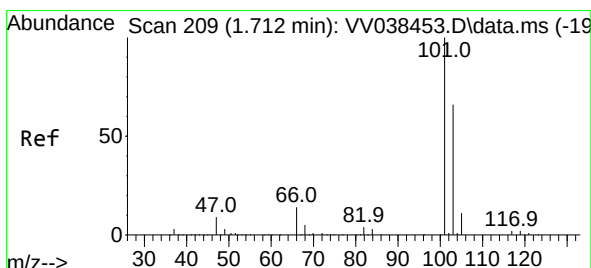
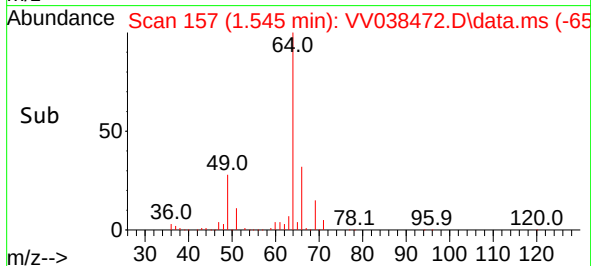
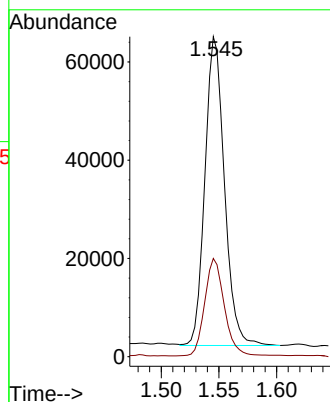
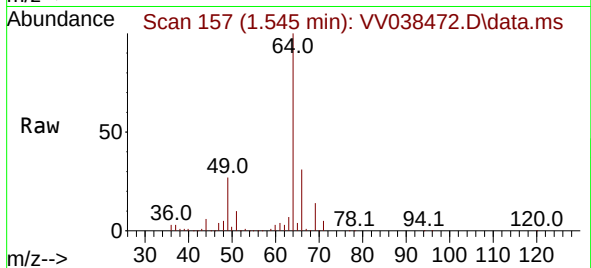




#8
Chloroethane
Concen: 4.817 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

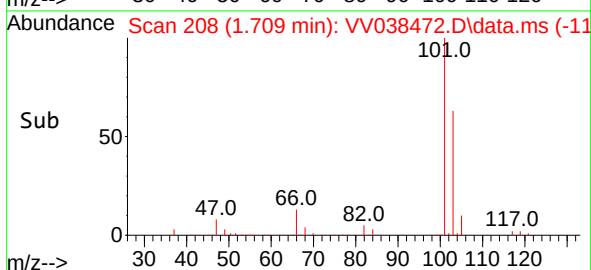
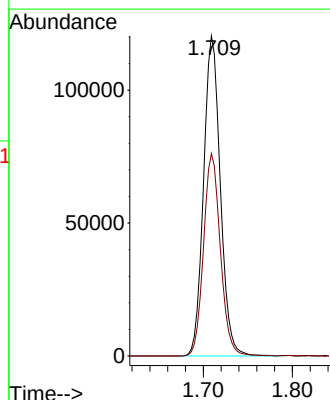
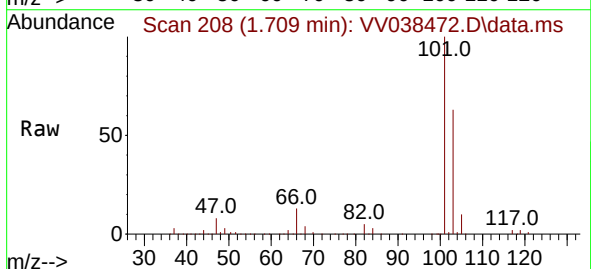
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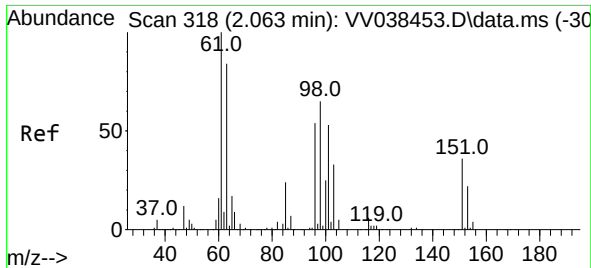
Tgt Ion: 64 Resp: 73775
Ion Ratio Lower Upper
64 100
66 30.7 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.850 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.003 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion:101 Resp: 157789
Ion Ratio Lower Upper
101 100
103 63.3 51.5 77.3

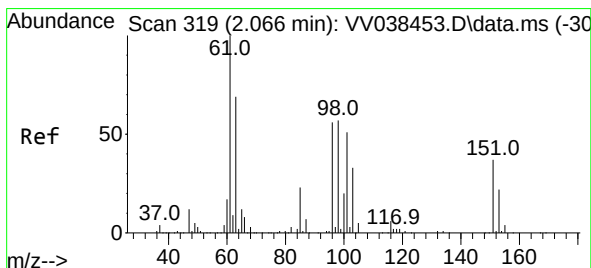
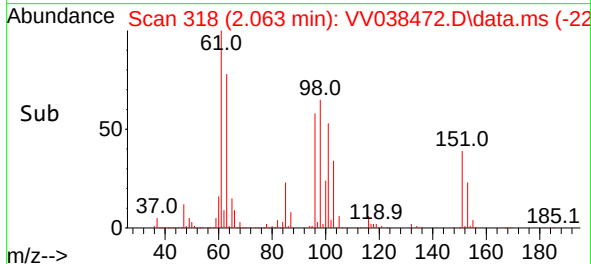
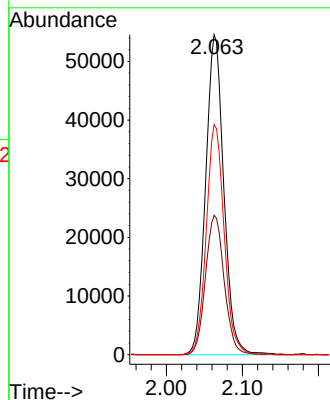
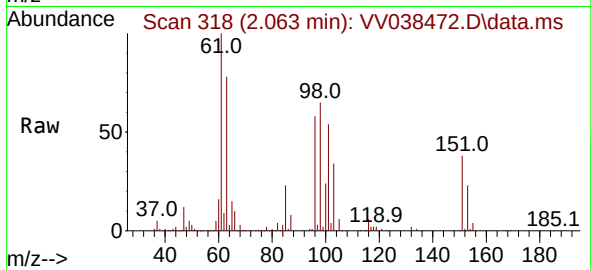




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.858 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. 0.000 min
 Lab File: VV038472.D
 Acq: 20 Jan 2025 18:26

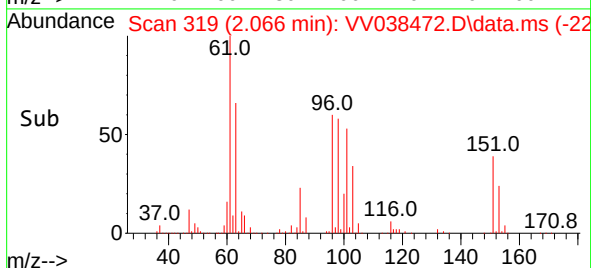
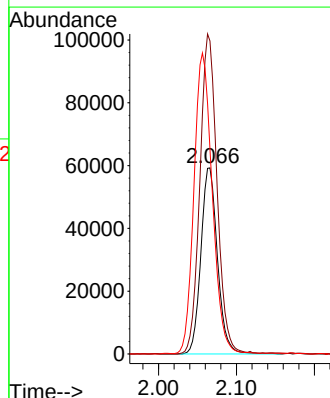
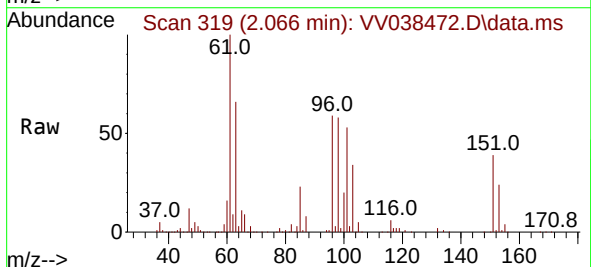
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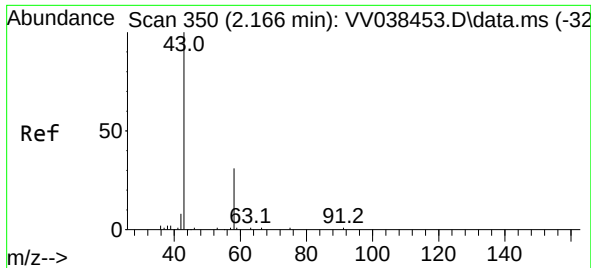
Tgt Ion:101 Resp: 90350
 Ion Ratio Lower Upper
 101 100
 85 45.0 35.2 52.8
 151 70.9 56.6 85.0



#12
 1,1-Dichloroethene
 Concen: 4.775 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VV038472.D
 Acq: 20 Jan 2025 18:26

Tgt Ion: 96 Resp: 87415
 Ion Ratio Lower Upper
 96 100
 61 168.2 122.2 227.0
 63 110.3 86.2 160.0





#13

Acetone

Concen: 49.288 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.045 min

Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

Instrument :

MSVOA_V

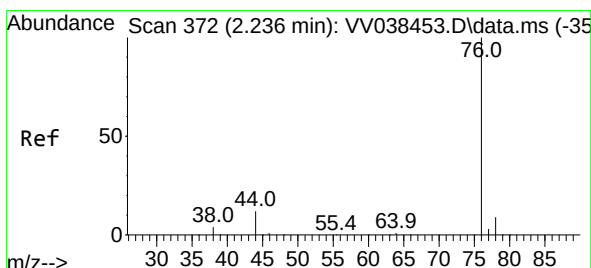
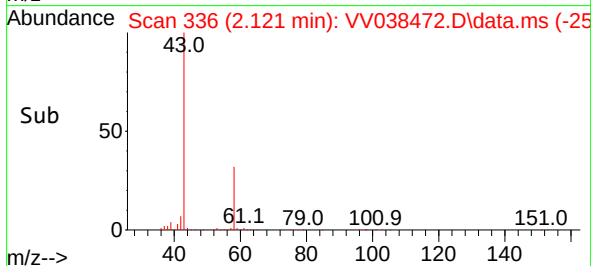
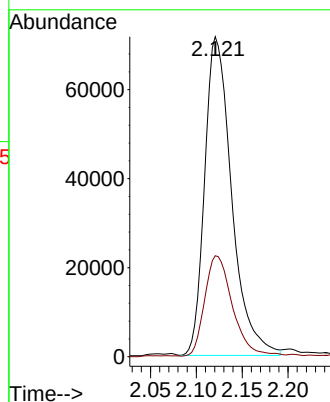
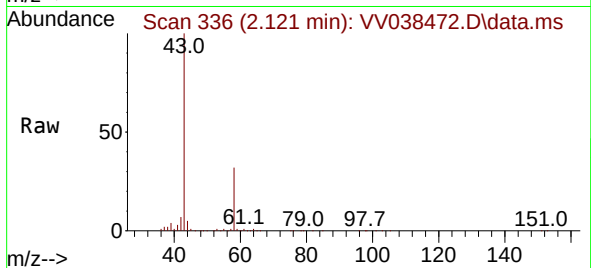
ClientSampleId :

Tgt Ion: 43 Resp: 146851

Ion Ratio Lower Upper

43 100

58 32.2 0.0 67.2



#14

Carbon disulfide

Concen: 4.866 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.000 min

Lab File: VV038472.D

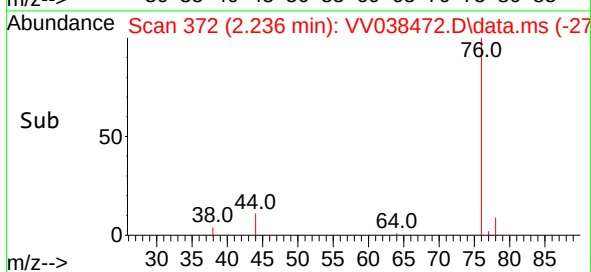
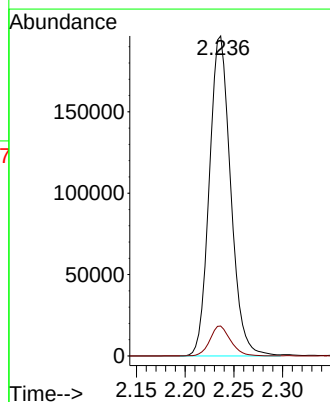
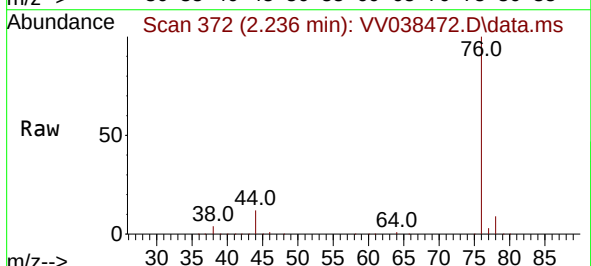
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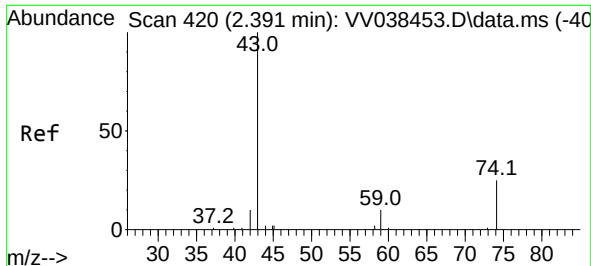
Tgt Ion: 76 Resp: 299292

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4

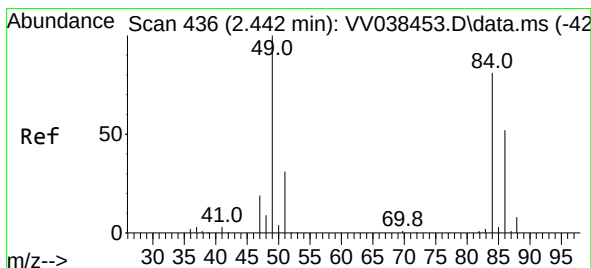
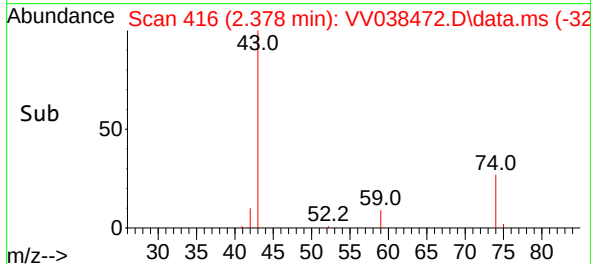
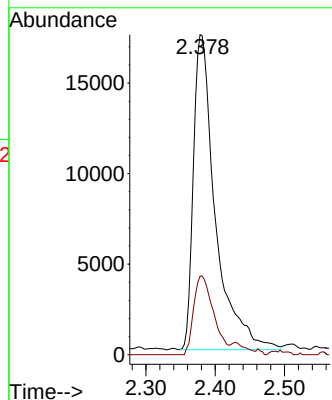
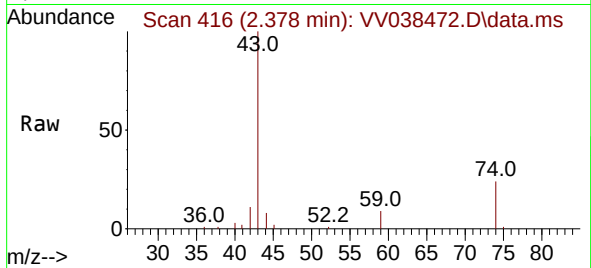




#15
Methyl Acetate
Concen: 5.051 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.013 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

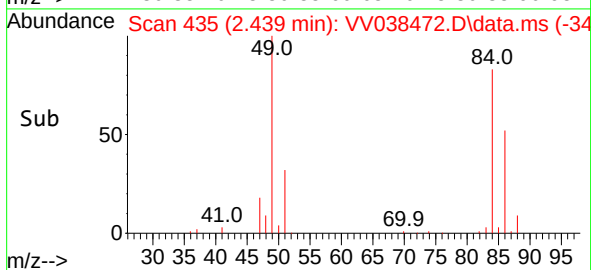
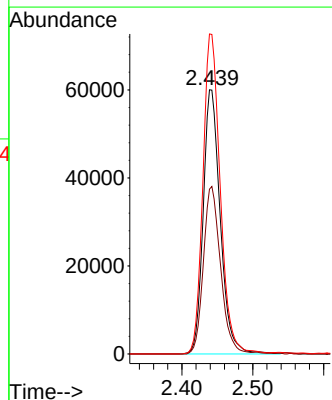
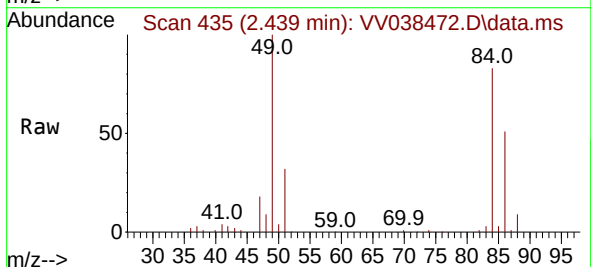
Instrument :
MSVOA_V
ClientSampleId :

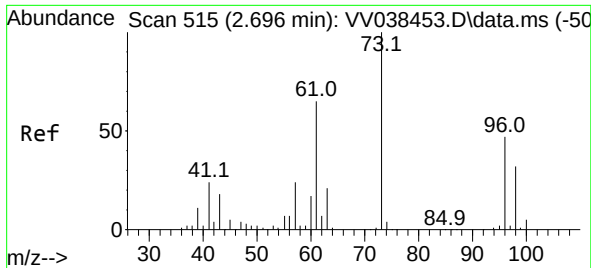
Tgt Ion: 43 Resp: 38451
Ion Ratio Lower Upper
43 100
74 22.5 20.4 30.6



#16
Methylene chloride
Concen: 4.956 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.003 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion: 84 Resp: 100562
Ion Ratio Lower Upper
84 100
86 62.4 44.7 82.9
49 121.2 84.1 156.1

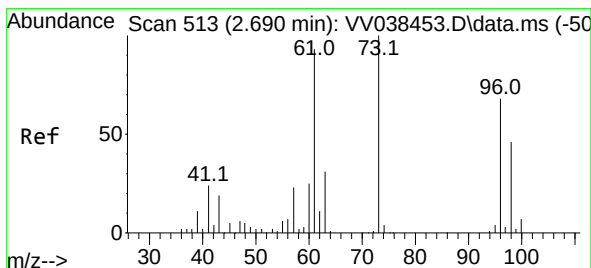
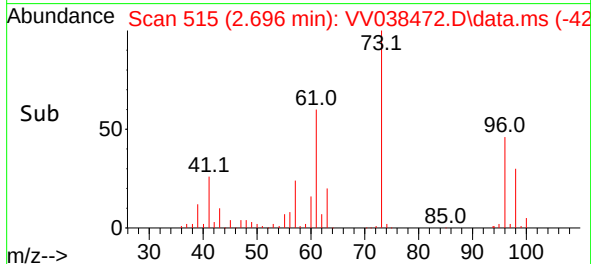
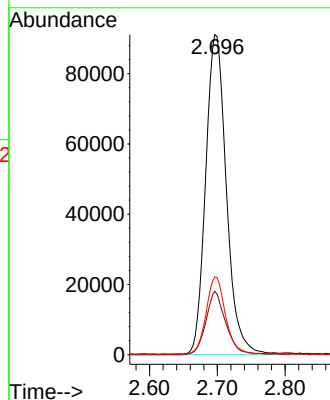
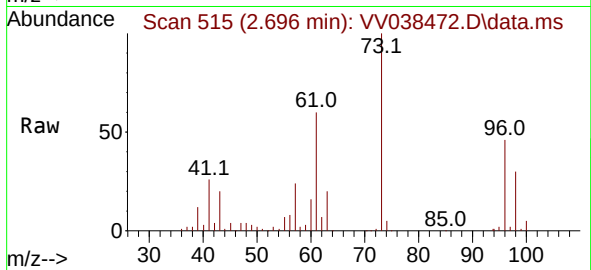




#17
Methyl tert-butyl Ether
Concen: 5.037 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

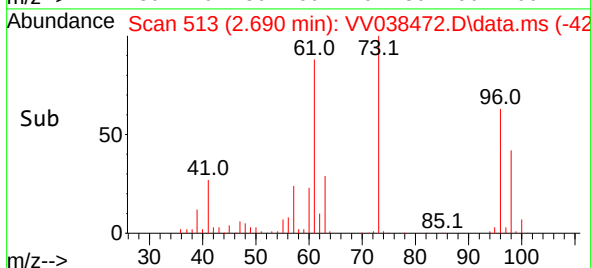
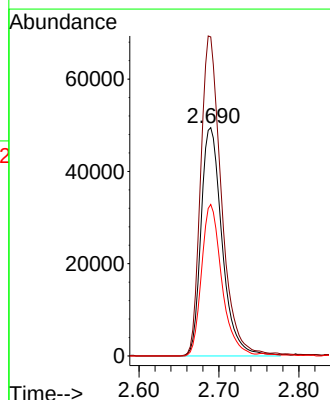
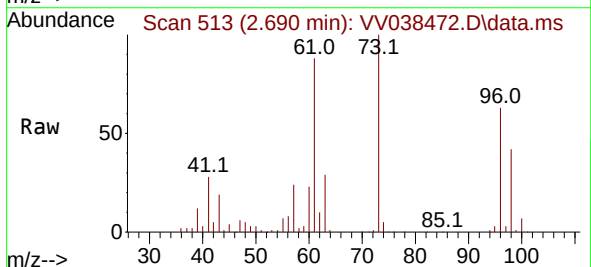
Instrument :
MSVOA_V
ClientSampleId :

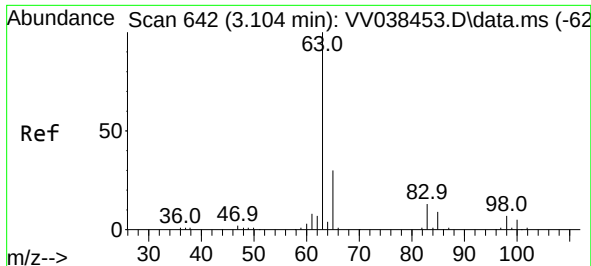
Tgt Ion: 73 Resp: 194029
Ion Ratio Lower Upper
73 100
43 18.3 14.6 21.8
57 23.0 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.832 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion: 96 Resp: 90943
Ion Ratio Lower Upper
96 100
61 139.7 94.8 176.2
98 66.3 44.2 82.2





#19

1,1-Dichloroethane

Concen: 5.064 ug/L

RT: 3.105 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

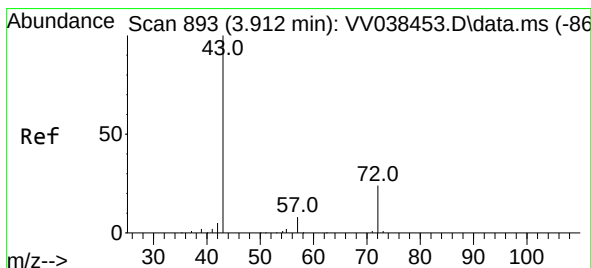
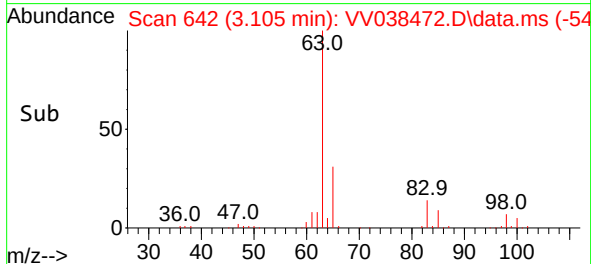
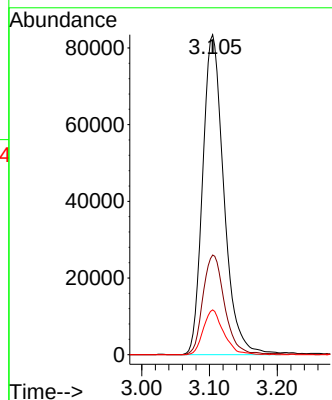
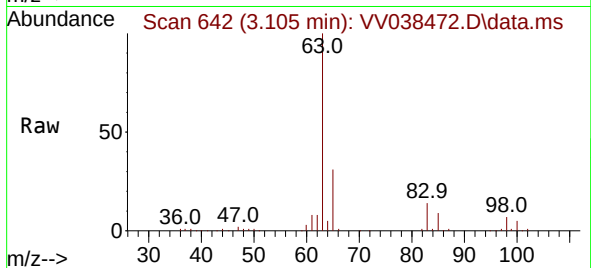
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63 Resp: 181384

Ion	Ratio	Lower	Upper
63	100		
65	31.2	22.5	41.9
83	14.0	9.4	17.6



#21

2-Butanone

Concen: 53.596 ug/L

RT: 3.870 min Scan# 880

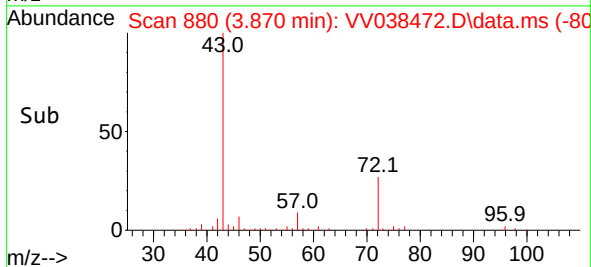
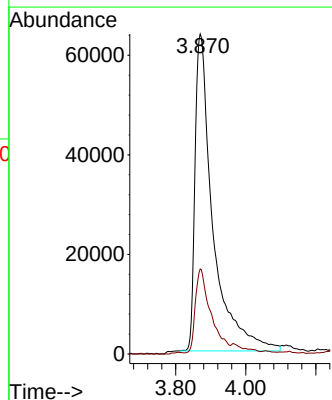
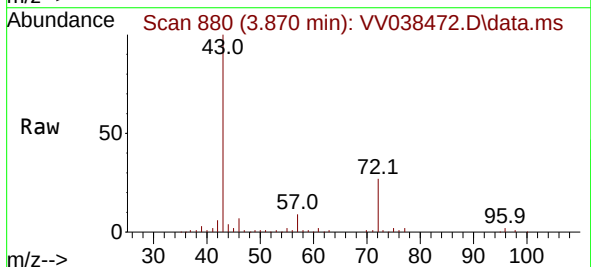
Delta R.T. -0.042 min

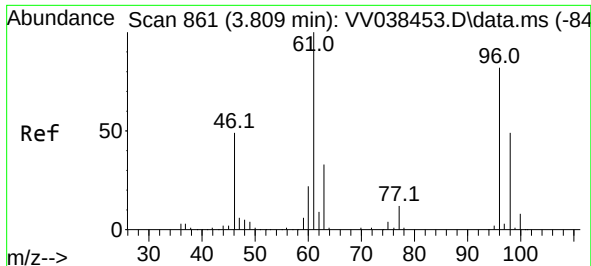
Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

Tgt Ion: 43 Resp: 226516

Ion	Ratio	Lower	Upper
43	100		
72	23.0	12.2	36.4





#22

cis-1,2-Dichloroethene

Concen: 5.029 ug/L

RT: 3.805 min Scan# 861

Delta R.T. -0.003 min

Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

Instrument :

MSVOA_V

ClientSampleId :

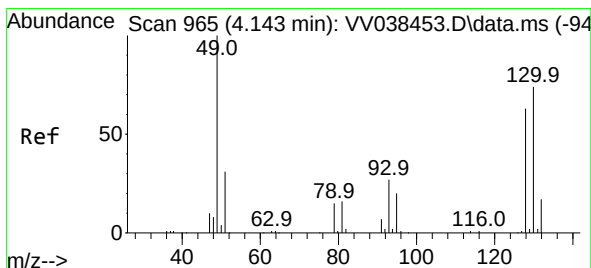
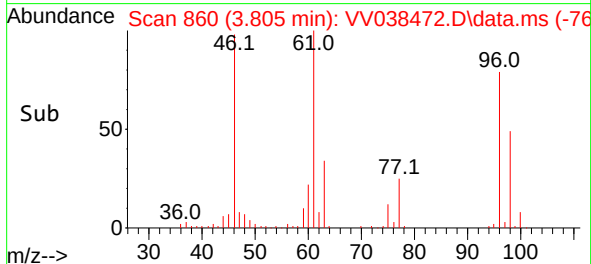
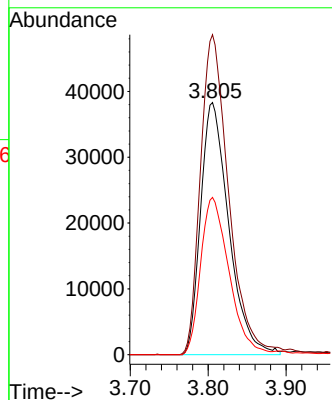
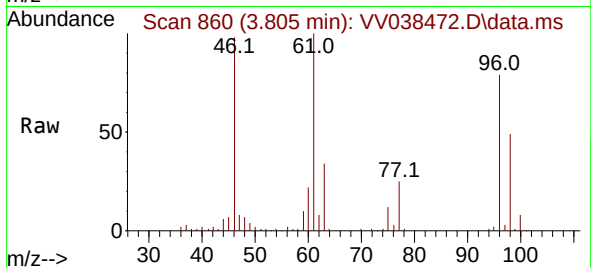
Tgt Ion: 96 Resp: 96229

Ion Ratio Lower Upper

96 100

61 126.9 86.5 160.7

98 62.3 43.8 81.3



#23

Bromochloromethane

Concen: 5.002 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.000 min

Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

Tgt Ion:128 Resp: 43549

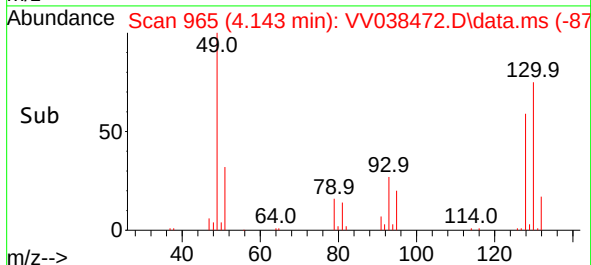
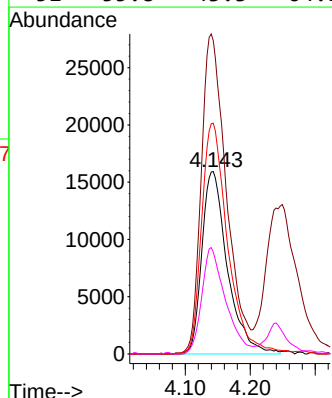
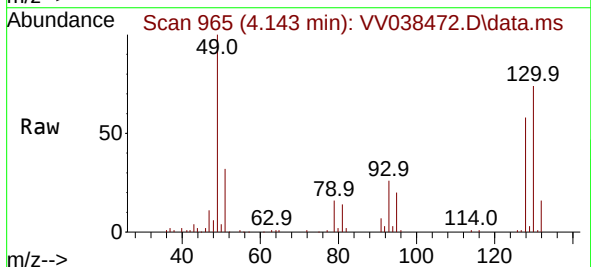
Ion Ratio Lower Upper

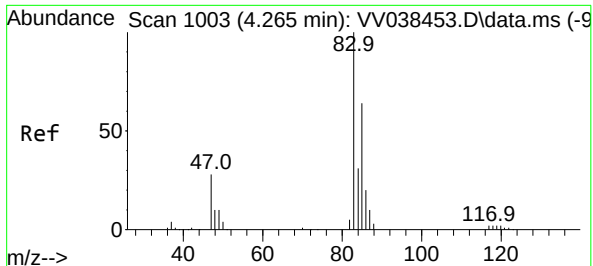
128 100

49 171.7 121.0 224.8

130 126.6 90.1 167.3

51 55.8 43.3 64.9

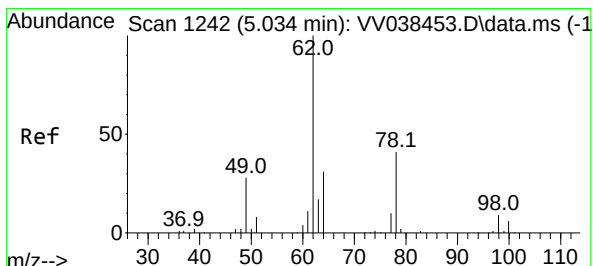
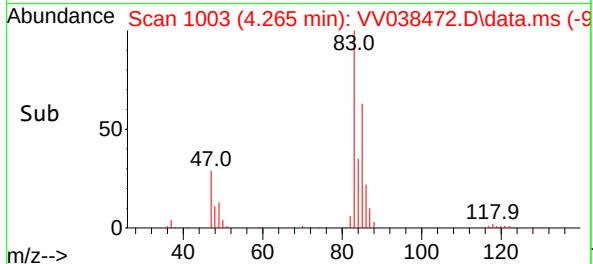
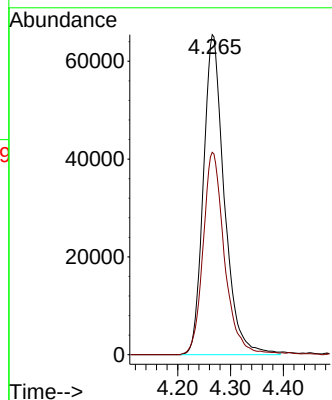
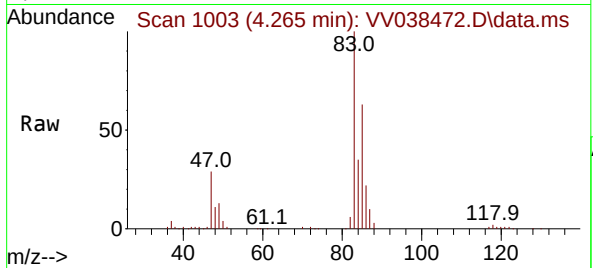




#25
Chloroform
Concen: 5.082 ug/L
RT: 4.265 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

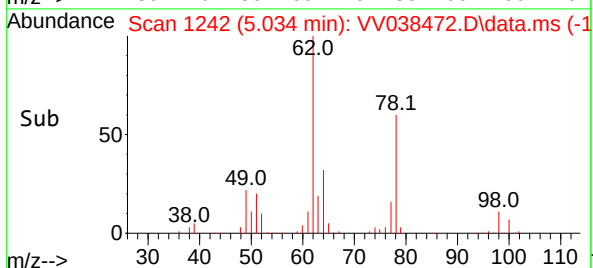
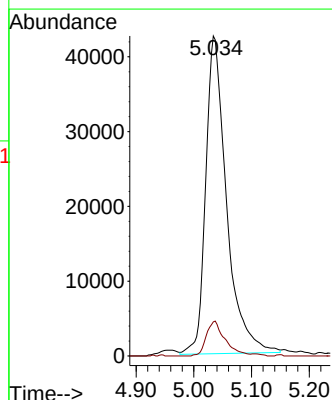
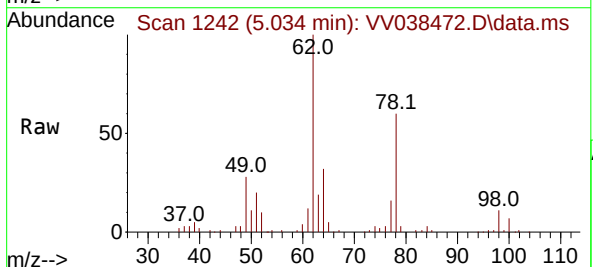
Instrument :
MSVOA_V
ClientSampleId :

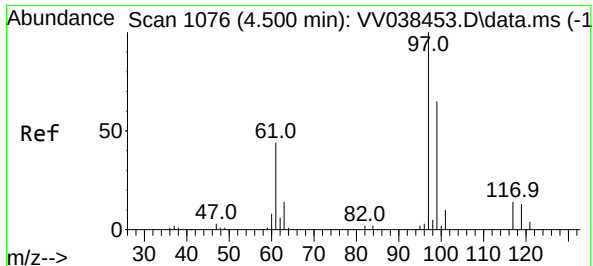
Tgt Ion: 83 Resp: 179980
Ion Ratio Lower Upper
83 100
85 63.3 44.0 81.8



#27
1,2-Dichloroethane
Concen: 5.419 ug/L
RT: 5.034 min Scan# 1242
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion: 62 Resp: 106723
Ion Ratio Lower Upper
62 100
98 10.6 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.005 ug/L

RT: 4.503 min Scan# 1076

Delta R.T. 0.003 min

Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

Instrument :

MSVOA_V

ClientSampleId :

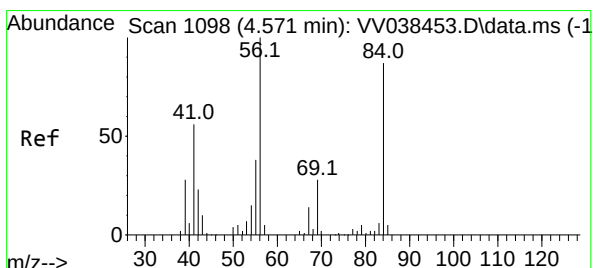
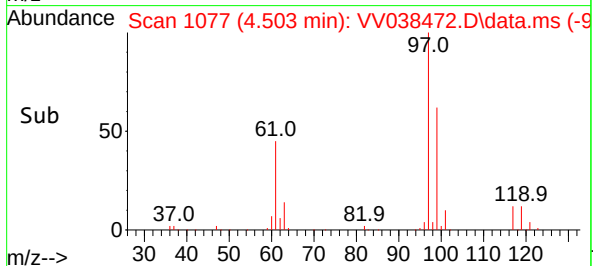
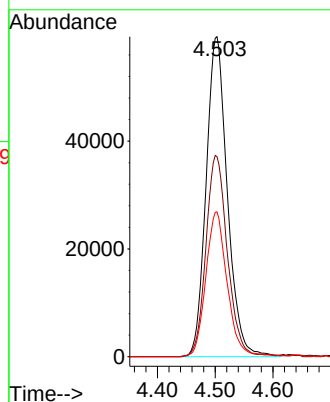
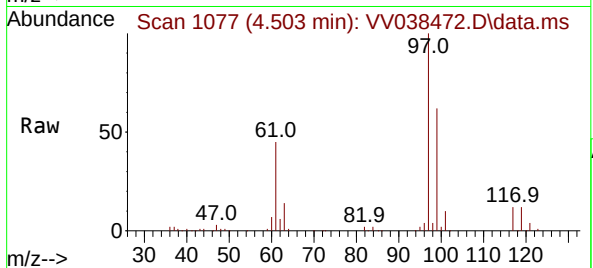
Tgt Ion: 97 Resp: 151784

Ion Ratio Lower Upper

97 100

99 63.4 52.9 79.3

61 45.5 36.4 54.6



#30

Cyclohexane

Concen: 4.903 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. 0.000 min

Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

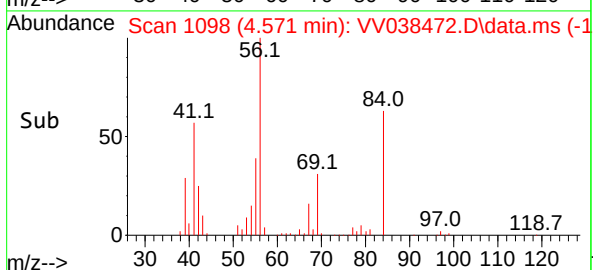
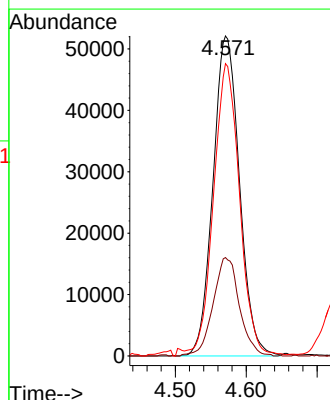
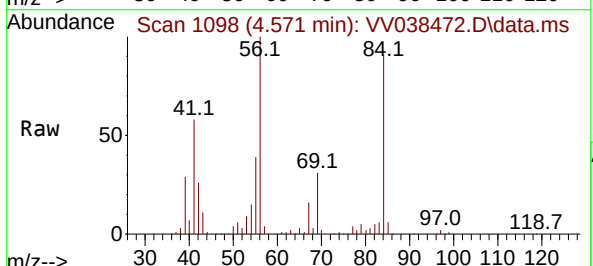
Tgt Ion: 56 Resp: 135430

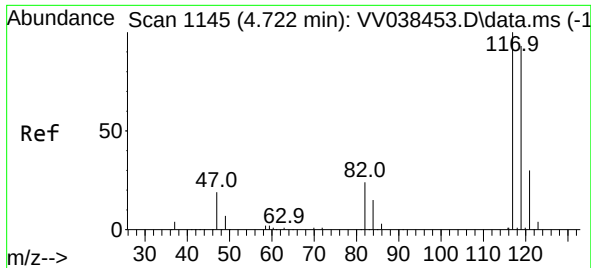
Ion Ratio Lower Upper

56 100

69 30.5 24.7 37.1

84 88.5 68.2 102.2

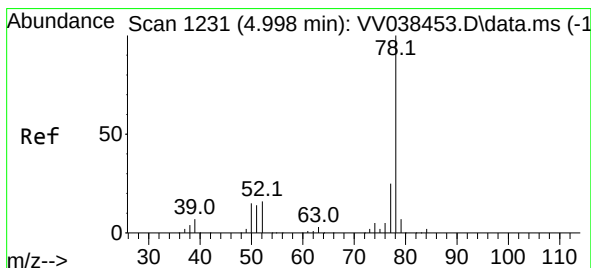
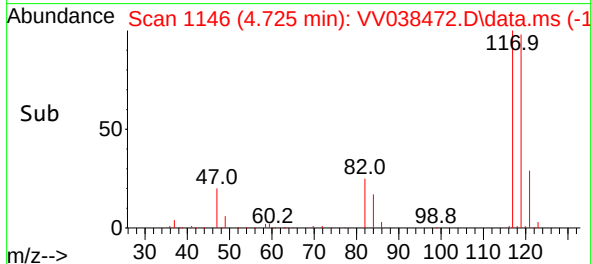
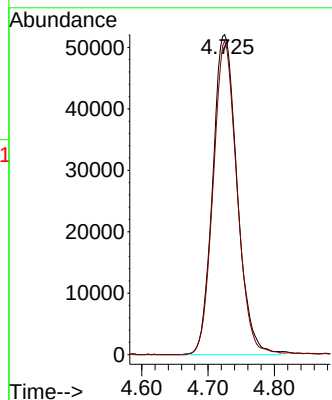
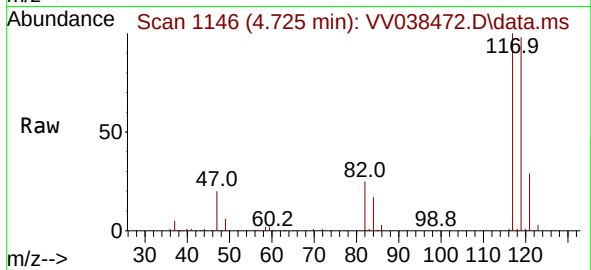




#31
Carbon tetrachloride
Concen: 4.973 ug/L
RT: 4.725 min Scan# 1145
Delta R.T. 0.003 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

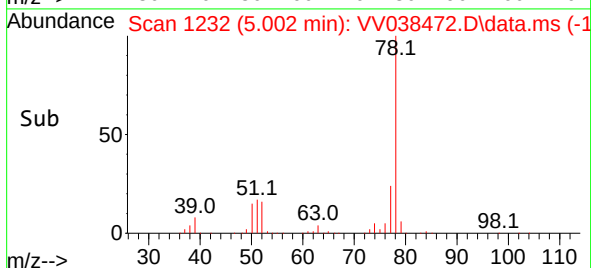
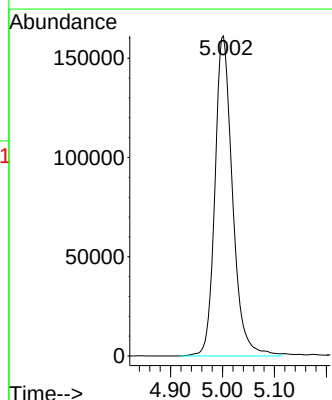
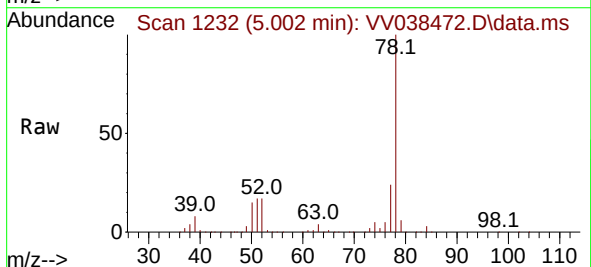
Instrument :
MSVOA_V
ClientSampleId :

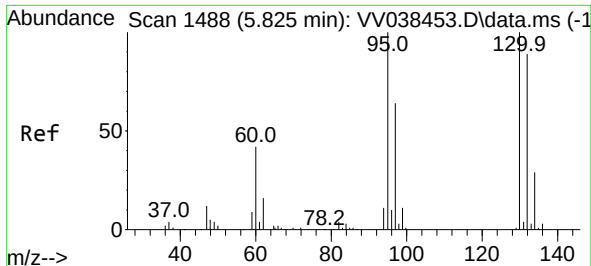
Tgt Ion:117 Resp: 133306
Ion Ratio Lower Upper
117 100
119 95.4 76.6 115.0



#33
Benzene
Concen: 5.242 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. 0.003 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion: 78 Resp: 379754

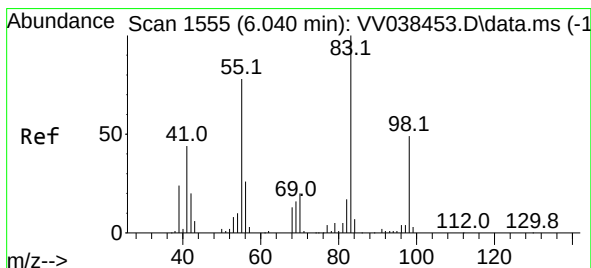
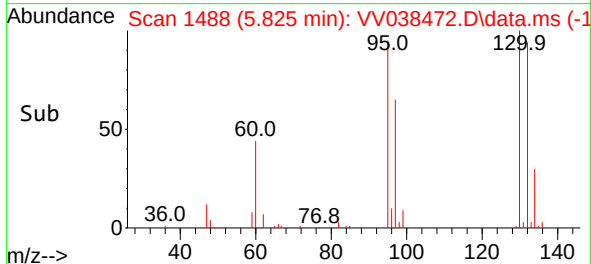
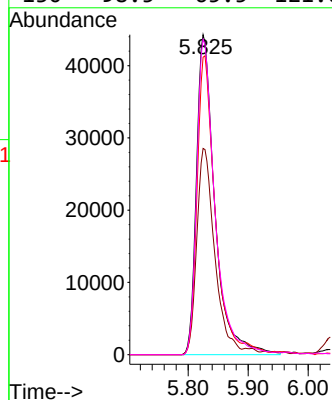
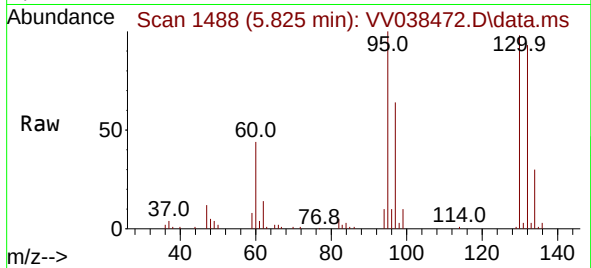




#34
Trichloroethene
Concen: 5.038 ug/L
RT: 5.825 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

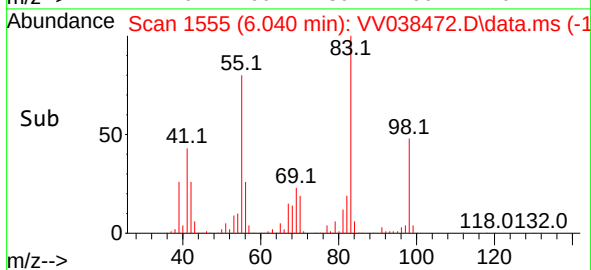
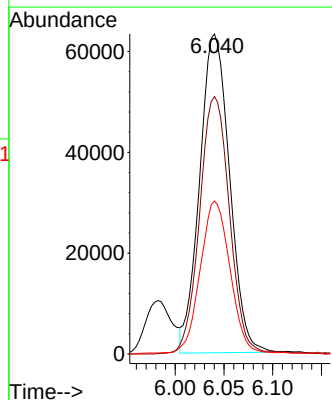
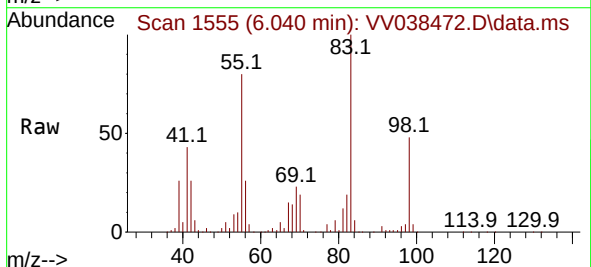
Instrument :
MSVOA_V
ClientSampleId :

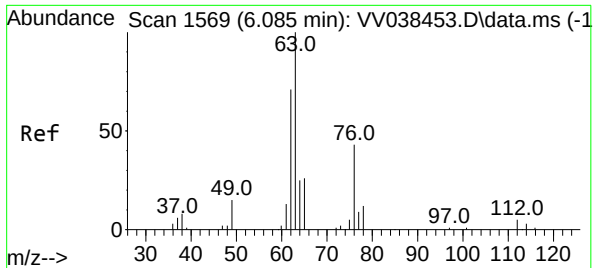
Tgt Ion: 95 Resp: 94837
Ion Ratio Lower Upper
95 100
97 64.5 43.4 80.6
132 93.0 65.5 121.6
130 98.5 65.5 121.6



#35
Methylcyclohexane
Concen: 4.709 ug/L
RT: 6.040 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion: 83 Resp: 135117
Ion Ratio Lower Upper
83 100
55 81.2 59.4 89.0
98 48.3 37.8 56.8

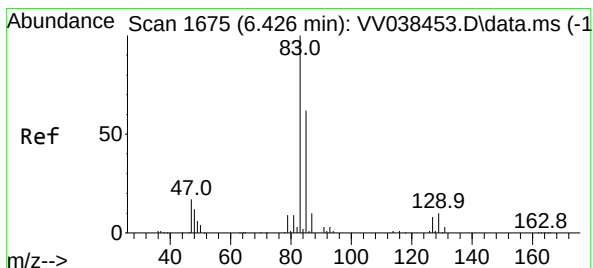
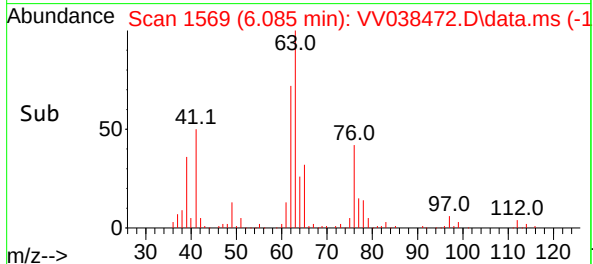
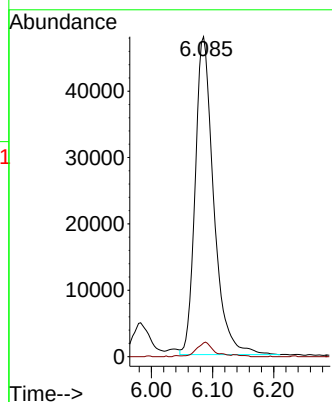
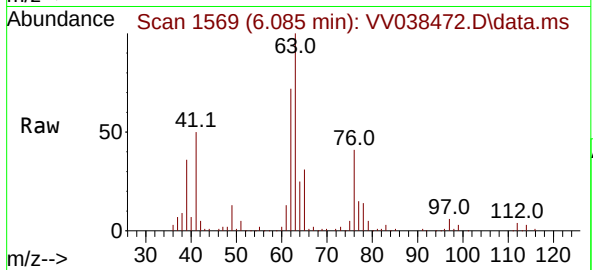




#37
1,2-Dichloropropane
Concen: 5.376 ug/L
RT: 6.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

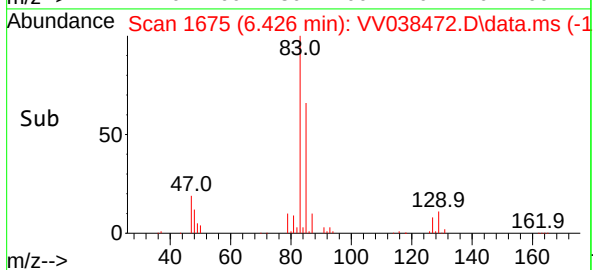
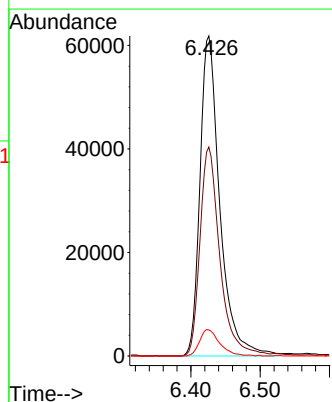
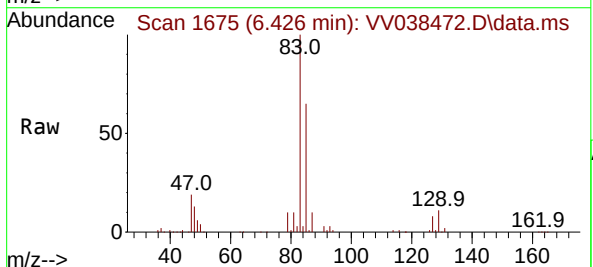
Instrument :
MSVOA_V
ClientSampleId :

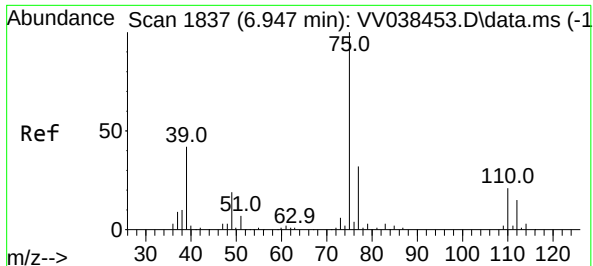
Tgt Ion: 63 Resp: 100571
Ion Ratio Lower Upper
63 100
112 4.1 4.1 6.1



#38
Bromodichloromethane
Concen: 5.080 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion: 83 Resp: 123263
Ion Ratio Lower Upper
83 100
85 65.3 44.7 83.1
127 8.1 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.983 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. 0.000 min

Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

Instrument :

MSVOA_V

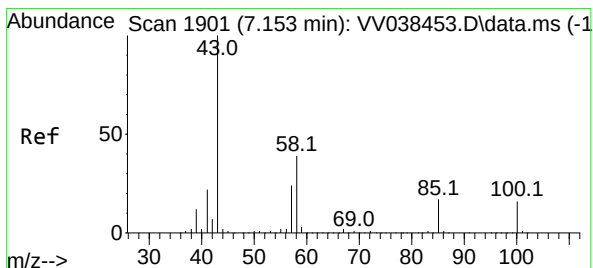
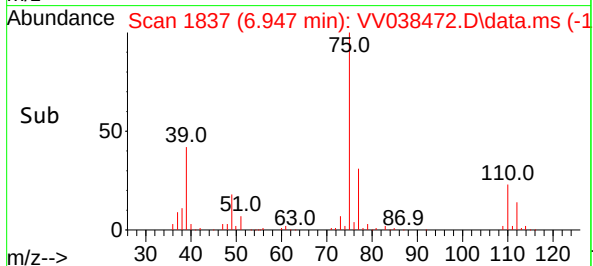
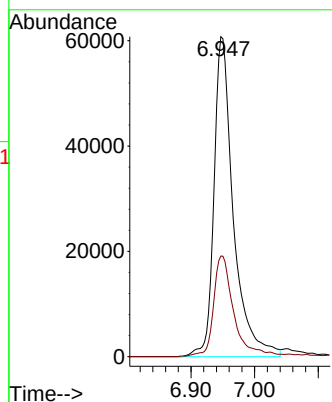
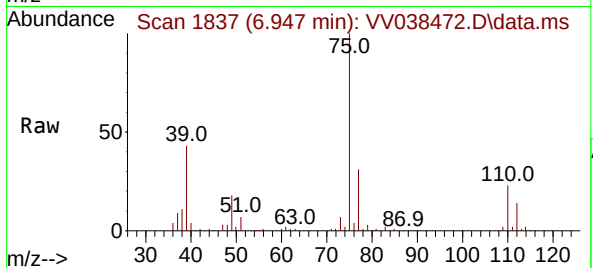
ClientSampleId :

Tgt Ion: 75 Resp: 128494

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 58.671 ug/L

RT: 7.146 min Scan# 1899

Delta R.T. -0.006 min

Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

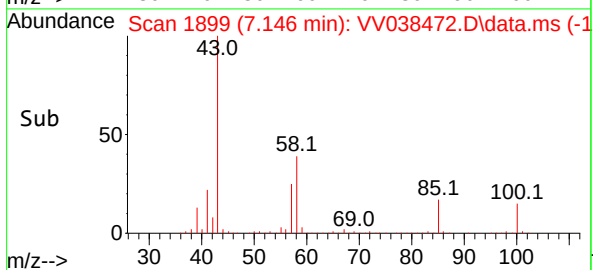
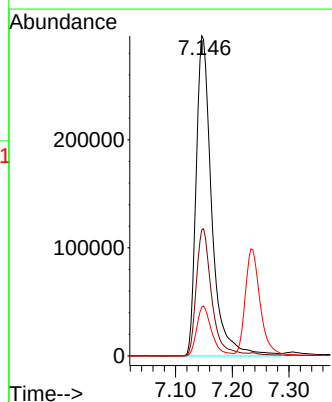
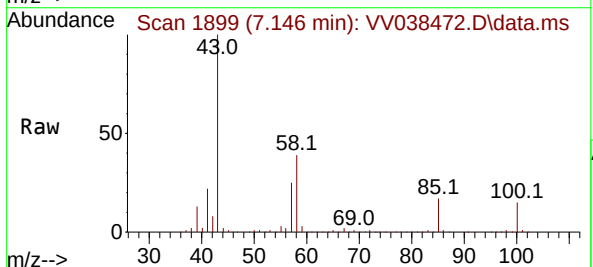
Tgt Ion: 43 Resp: 567894

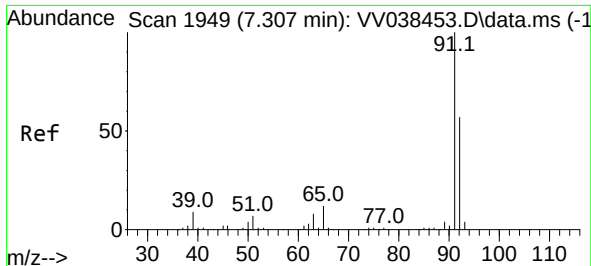
Ion Ratio Lower Upper

43 100

58 39.0 31.7 47.5

100 14.9 12.4 18.6

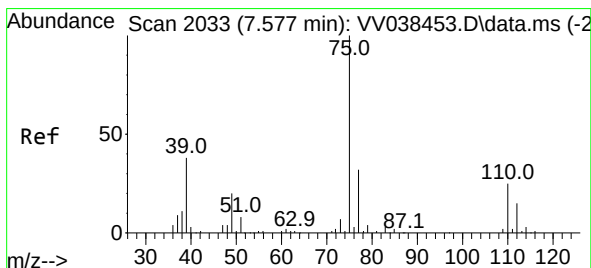
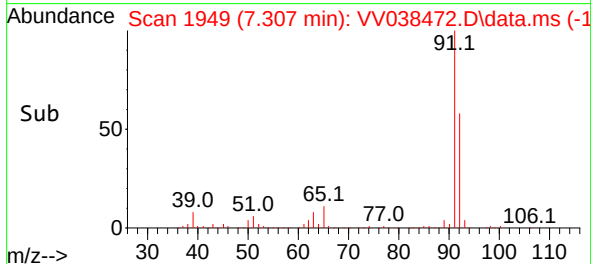
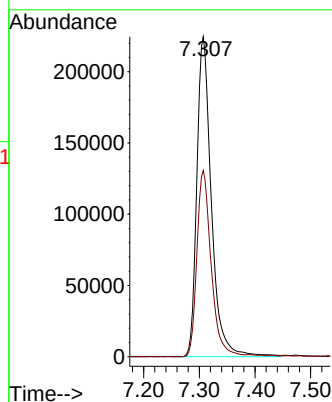
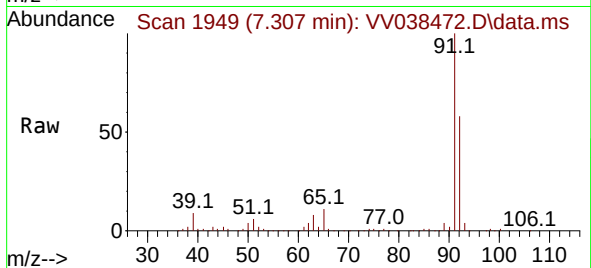




#42
Toluene
Concen: 5.405 ug/L
RT: 7.307 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

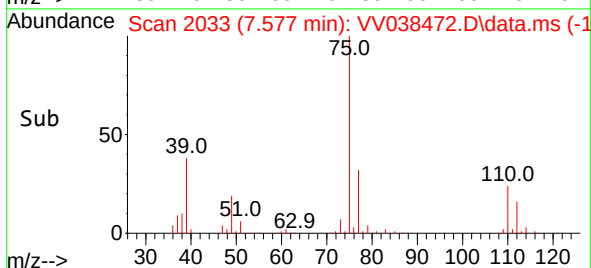
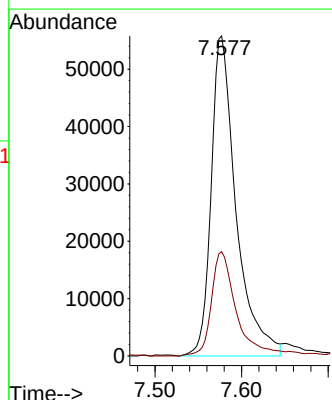
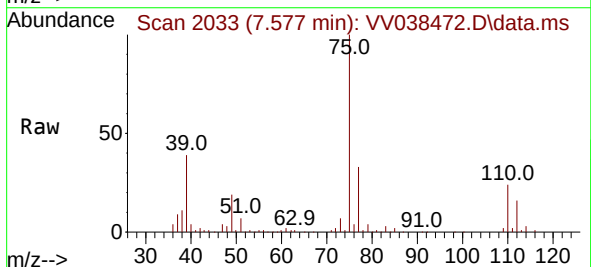
Instrument :
MSVOA_V
ClientSampleId :

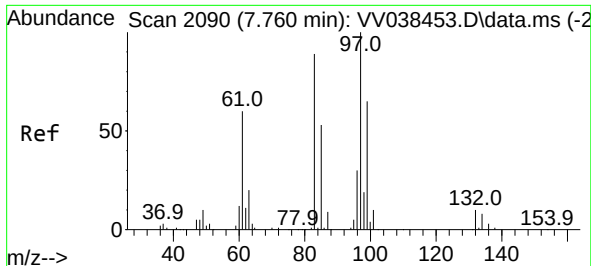
Tgt Ion: 91 Resp: 408045
Ion Ratio Lower Upper
91 100
92 58.2 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 5.096 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion: 75 Resp: 111357
Ion Ratio Lower Upper
75 100
77 32.6 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 5.433 ug/L

RT: 7.760 min Scan# 2090

Delta R.T. 0.000 min

Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 73102

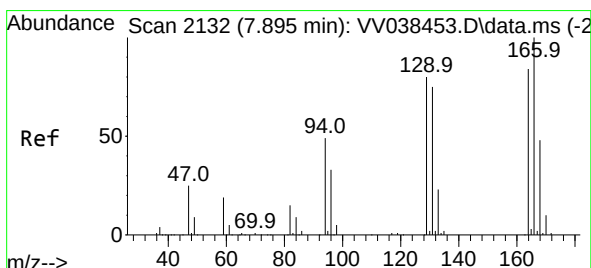
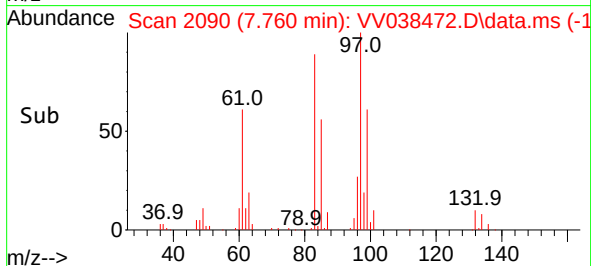
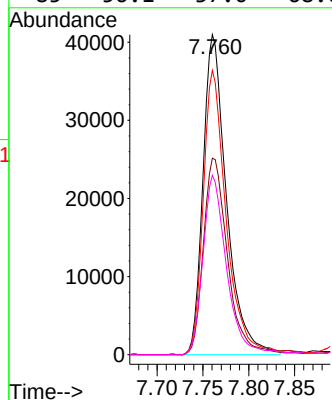
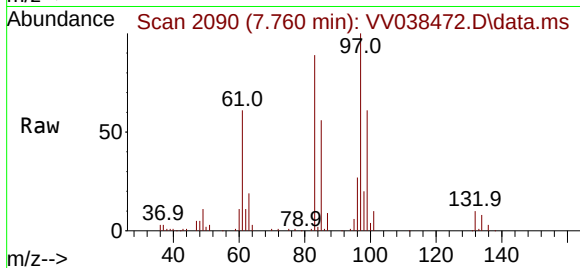
Ion Ratio Lower Upper

97 100

99 61.4 42.3 78.5

83 88.9 59.4 110.4

85 56.1 37.0 68.6



#47

Tetrachloroethene

Concen: 4.944 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. 0.000 min

Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

Tgt Ion: 164 Resp: 72043

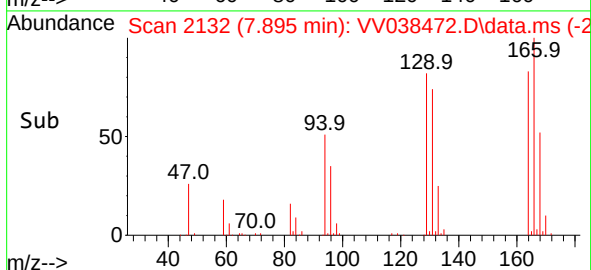
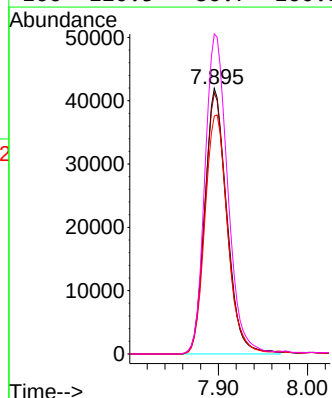
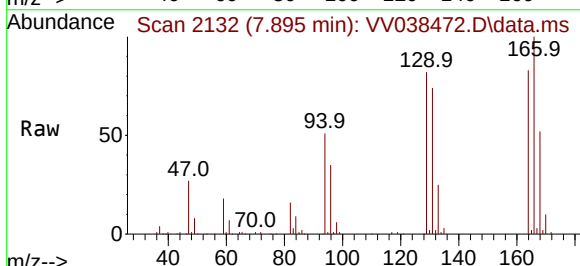
Ion Ratio Lower Upper

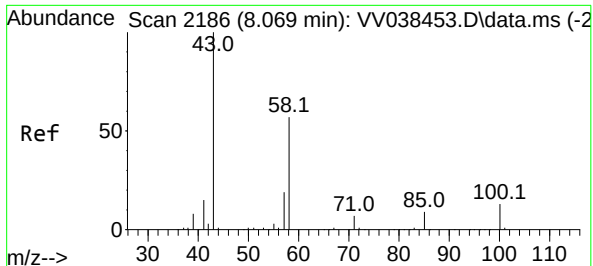
164 100

129 98.3 68.9 127.9

131 89.6 65.2 121.2

166 120.5 86.7 160.9

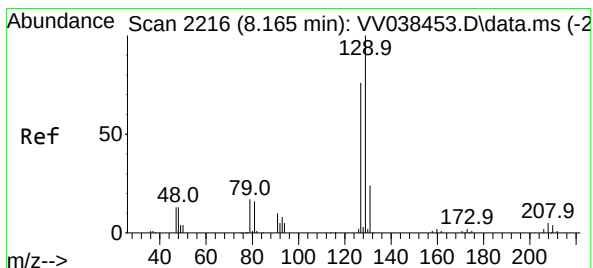
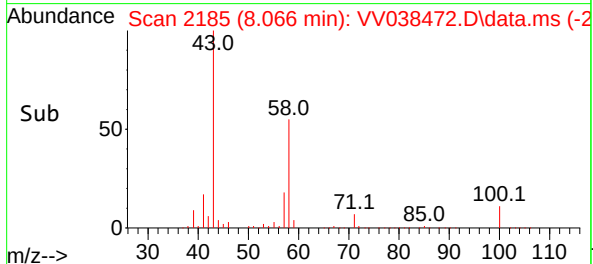
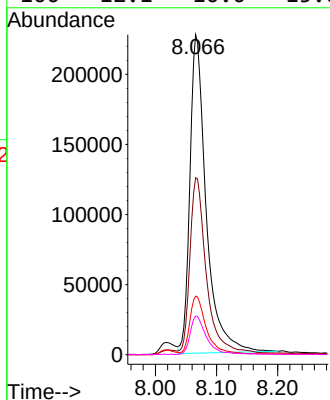
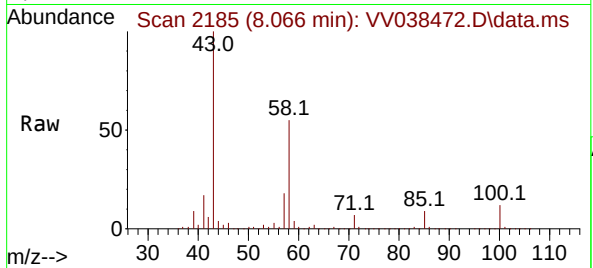




#48
2-Hexanone
Concen: 60.233 ug/L
RT: 8.066 min Scan# 2185
Delta R.T. -0.003 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

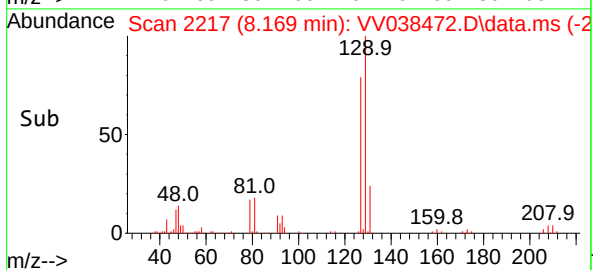
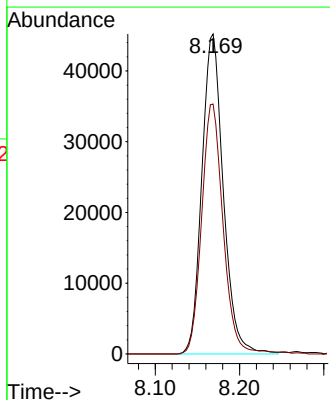
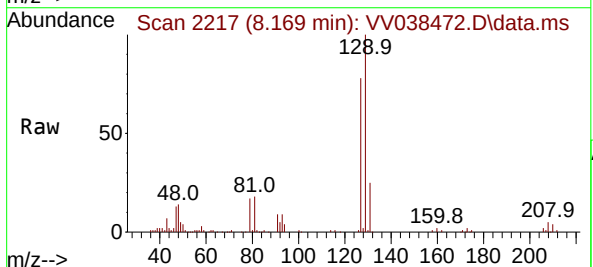
Instrument :
MSVOA_V
ClientSampleId :

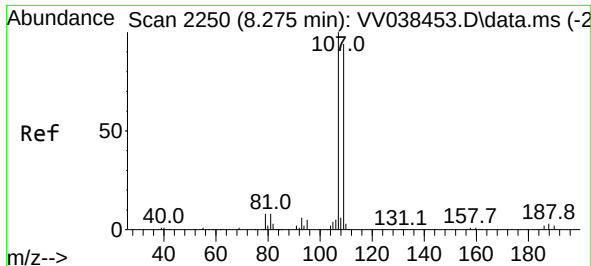
Tgt Ion: 43 Resp: 422132
Ion Ratio Lower Upper
43 100
58 56.5 43.6 65.4
57 18.2 15.0 22.4
100 12.1 10.0 15.0



#49
Dibromochloromethane
Concen: 5.175 ug/L
RT: 8.169 min Scan# 2217
Delta R.T. 0.003 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion: 129 Resp: 80166
Ion Ratio Lower Upper
129 100
127 78.1 52.8 98.2





#50

1,2-Dibromoethane

Concen: 5.530 ug/L

RT: 8.275 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV038472.D

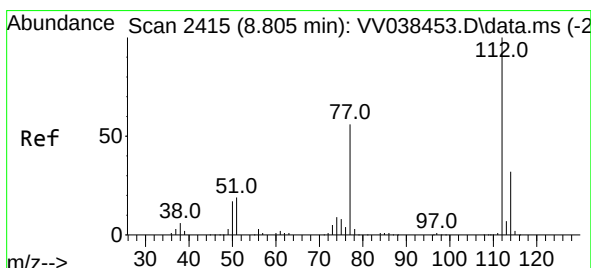
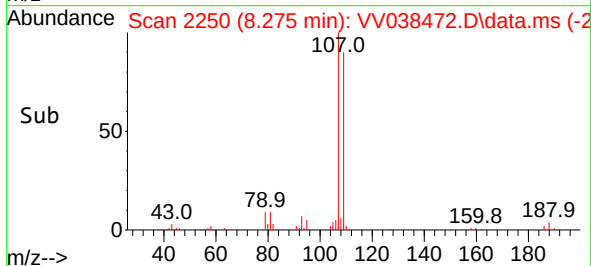
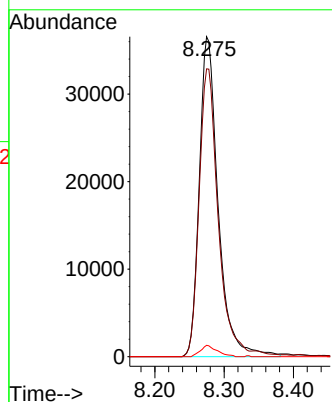
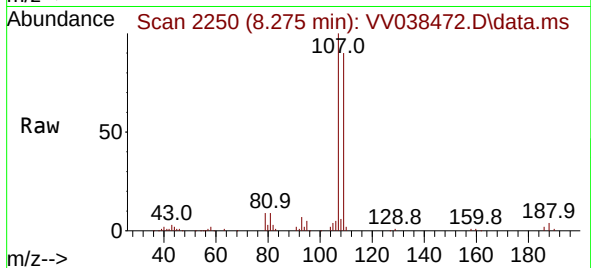
Acq: 20 Jan 2025 18:26

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	69243
Ion	Ratio	Lower	Upper
107	100		
109	89.9	65.9	122.3
188	3.6	2.8	4.2



#51

Chlorobenzene

Concen: 5.051 ug/L

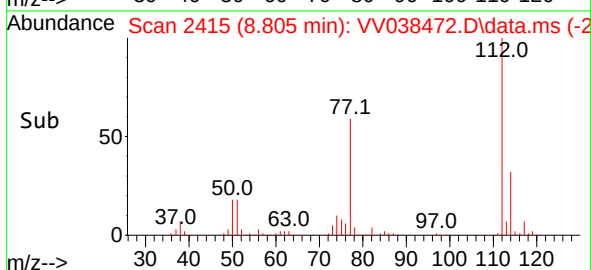
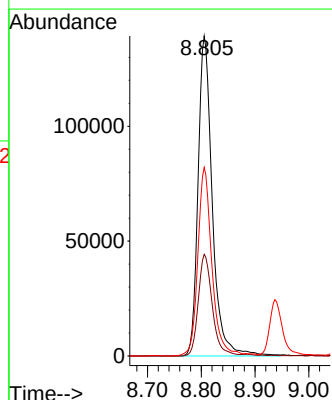
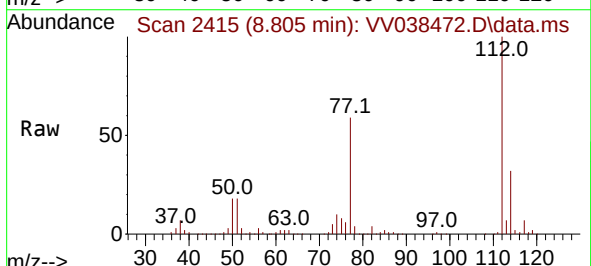
RT: 8.805 min Scan# 2415

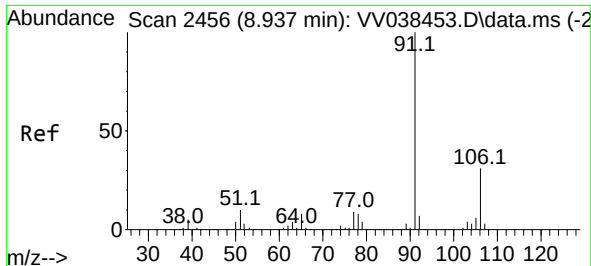
Delta R.T. 0.000 min

Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

Tgt Ion:	112	Resp:	256636
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.9	42.5
77	58.9	46.1	69.1

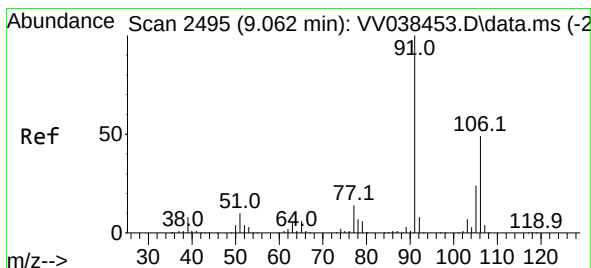
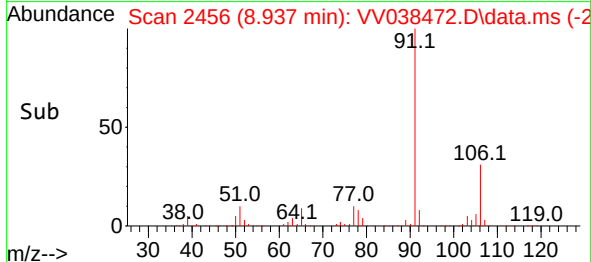
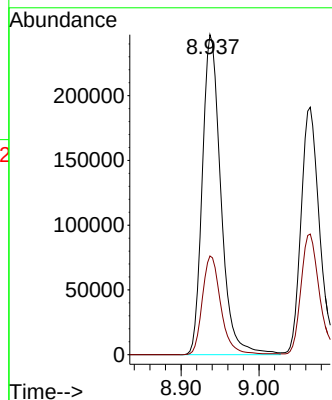
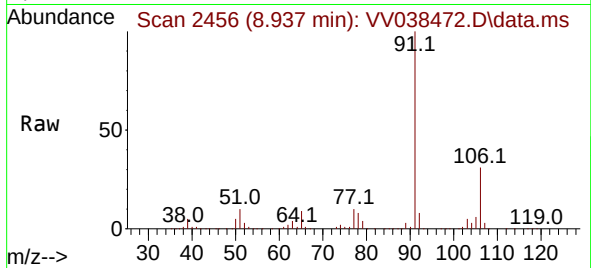




#52
Ethylbenzene
Concen: 5.039 ug/L
RT: 8.937 min Scan# 2456
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

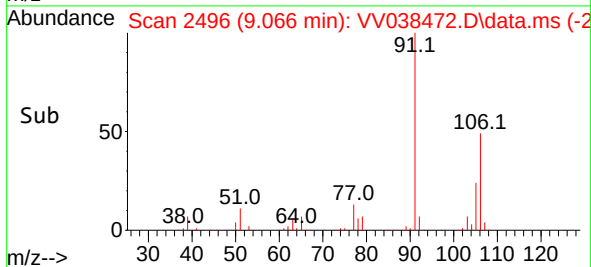
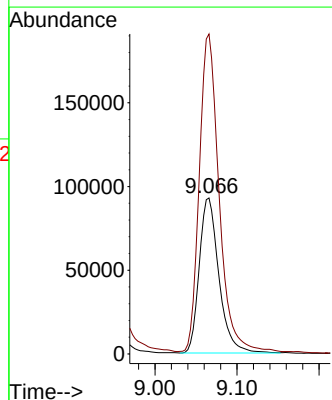
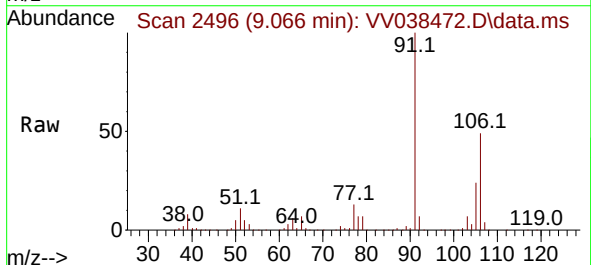
Instrument :
MSVOA_V
ClientSampleId :

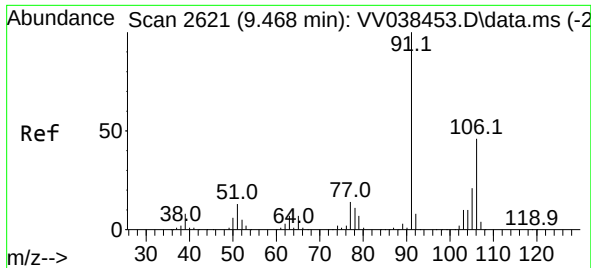
Tgt Ion: 91 Resp: 409232
Ion Ratio Lower Upper
91 100
106 30.9 22.0 40.8



#53
m,p-Xylene
Concen: 5.008 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion: 106 Resp: 154171
Ion Ratio Lower Upper
106 100
91 205.2 148.2 275.2

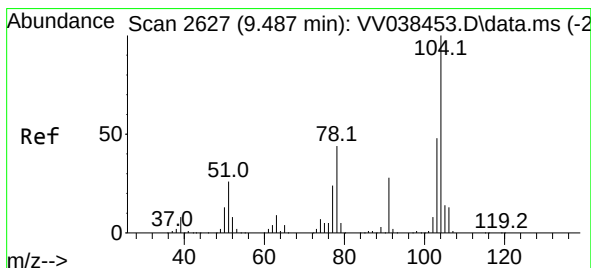
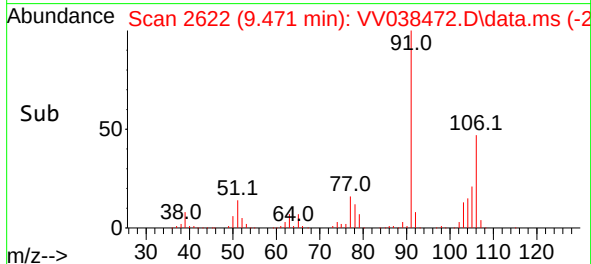
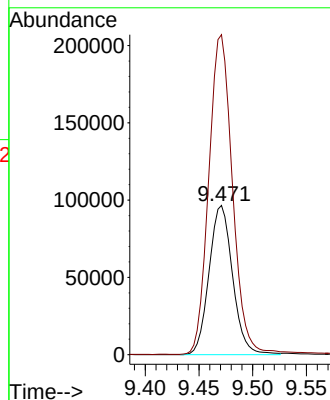
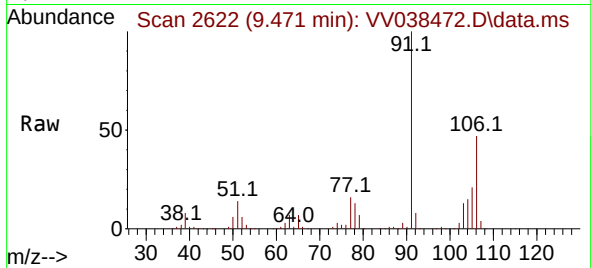




#54
o-Xylene
Concen: 5.017 ug/L
RT: 9.471 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

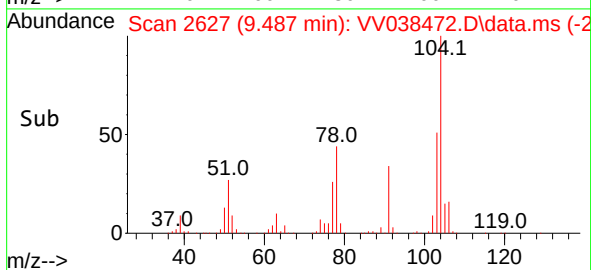
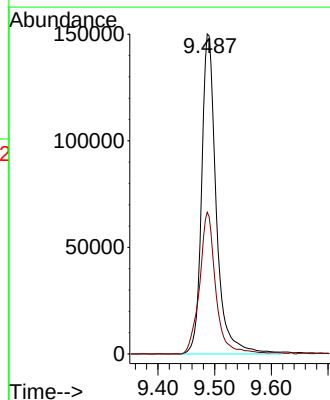
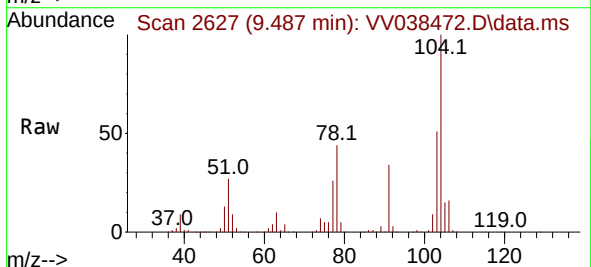
Instrument :
MSVOA_V
ClientSampleId :

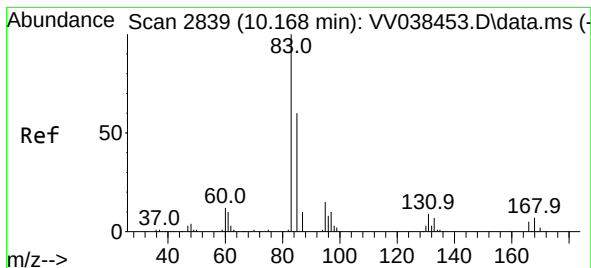
Tgt Ion:106 Resp: 147178
Ion Ratio Lower Upper
106 100
91 214.4 151.4 281.2



#55
Styrene
Concen: 5.289 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion:104 Resp: 270521
Ion Ratio Lower Upper
104 100
78 44.3 30.8 57.2

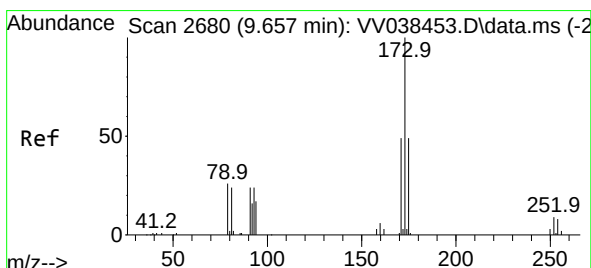
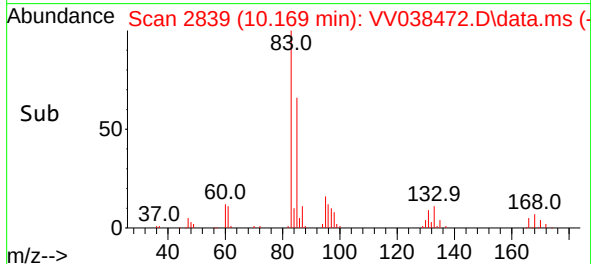
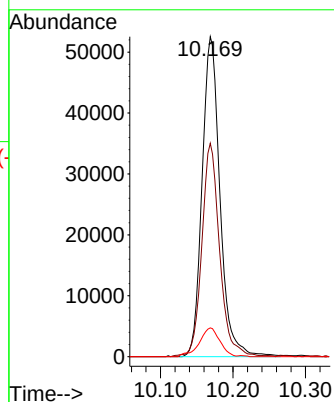
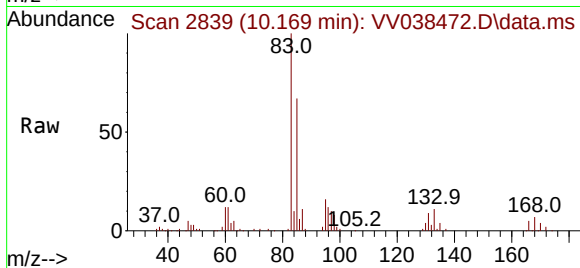




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.503 ug/L
 RT: 10.169 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV038472.D
 Acq: 20 Jan 2025 18:26

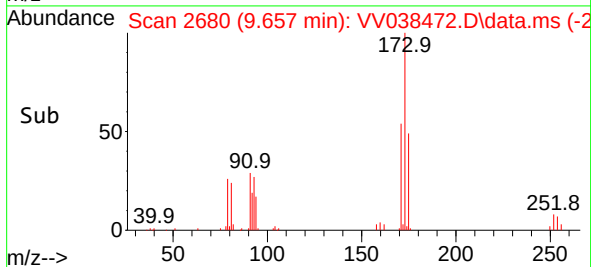
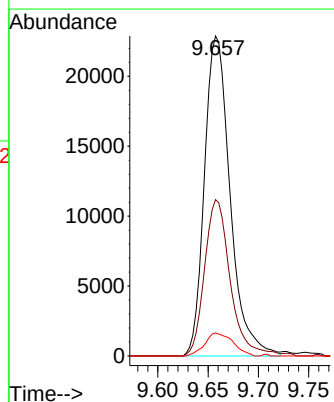
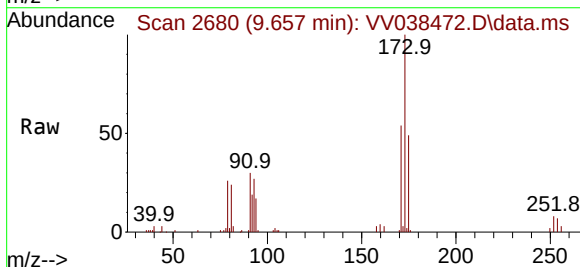
Instrument :
 MSVOA_V
 ClientSampleId :

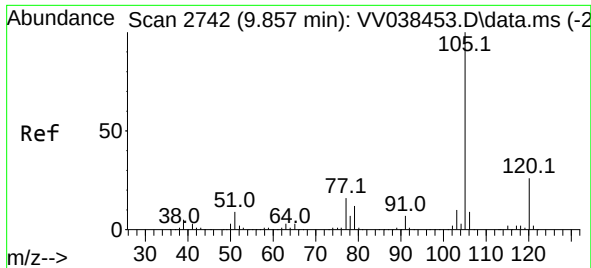
Tgt Ion: 83 Resp: 90175
 Ion Ratio Lower Upper
 83 100
 85 66.7 45.1 83.7
 131 9.0 7.5 11.3



#59
 Bromoform
 Concen: 4.717 ug/L
 RT: 9.657 min Scan# 2680
 Delta R.T. 0.000 min
 Lab File: VV038472.D
 Acq: 20 Jan 2025 18:26

Tgt Ion: 173 Resp: 40673
 Ion Ratio Lower Upper
 173 100
 175 48.7 37.6 56.4
 254 7.9 5.6 8.4

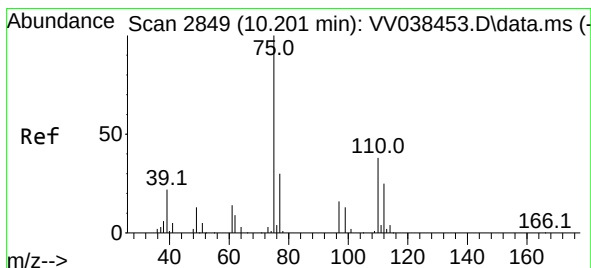
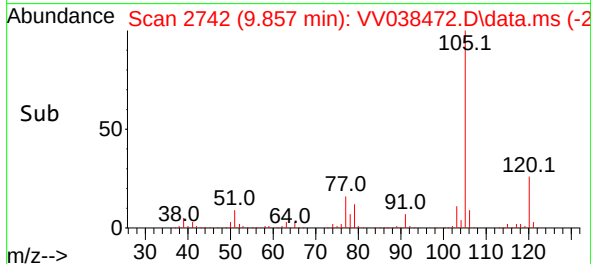
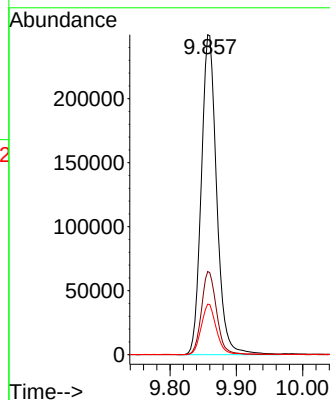
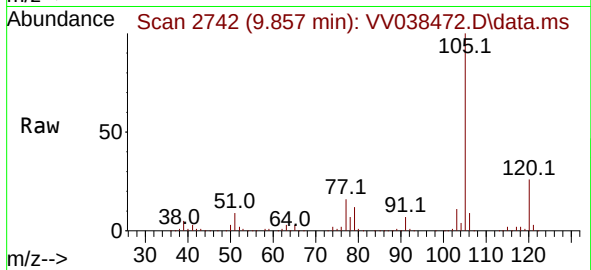




#60
Isopropylbenzene
Concen: 4.834 ug/L
RT: 9.857 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

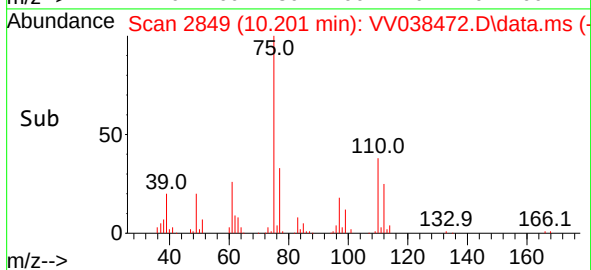
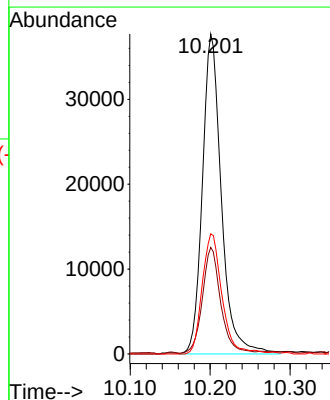
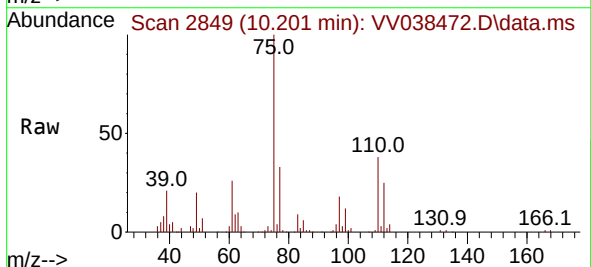
Instrument :
MSVOA_V
ClientSampleId :

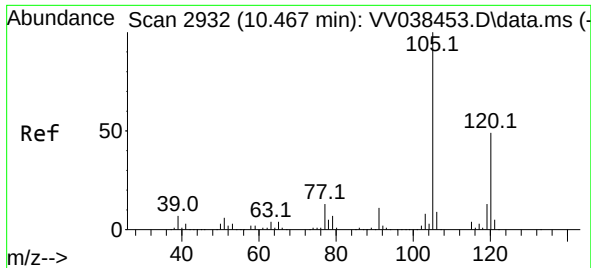
Tgt Ion:105 Resp: 402189
Ion Ratio Lower Upper
105 100
120 25.6 21.4 32.2
77 15.5 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 5.247 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion: 75 Resp: 62333
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
110 39.0 32.6 48.8

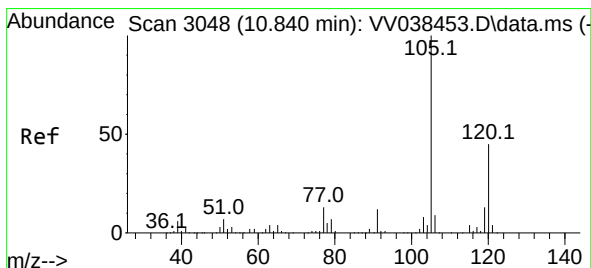
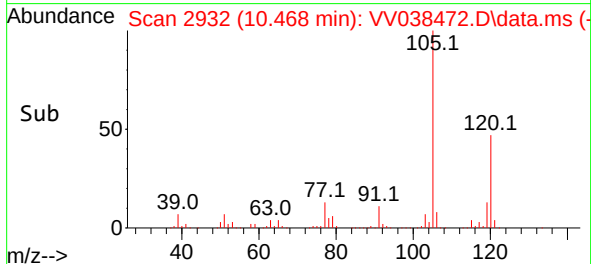
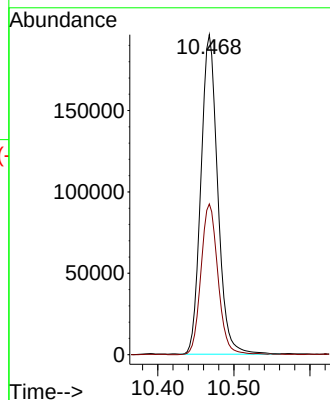
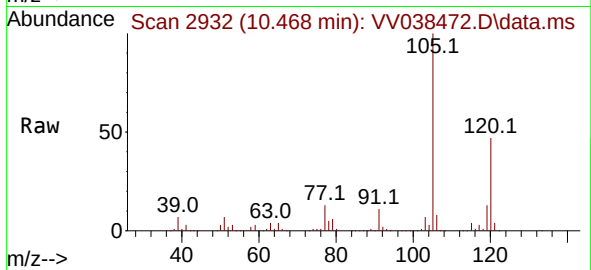




#62
 1,3,5-Trimethylbenzene
 Concen: 4.617 ug/L
 RT: 10.468 min Scan# 2932
 Delta R.T. 0.000 min
 Lab File: VV038472.D
 Acq: 20 Jan 2025 18:26

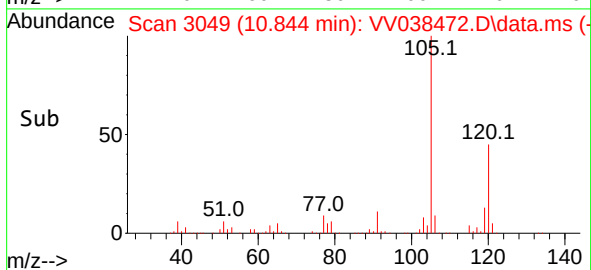
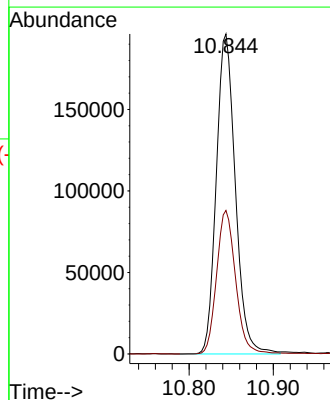
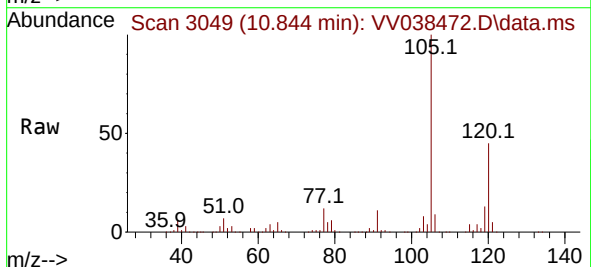
Instrument :
 MSVOA_V
 ClientSampleId :

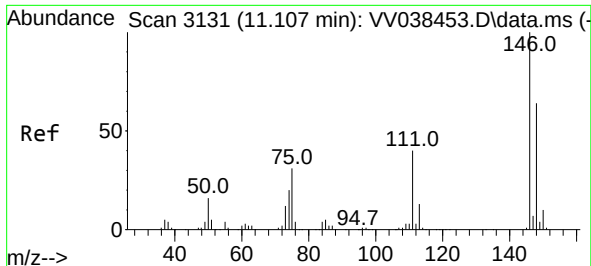
Tgt Ion:105 Resp: 300823
 Ion Ratio Lower Upper
 105 100
 120 47.8 39.4 59.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.730 ug/L
 RT: 10.844 min Scan# 3049
 Delta R.T. 0.003 min
 Lab File: VV038472.D
 Acq: 20 Jan 2025 18:26

Tgt Ion:105 Resp: 307782
 Ion Ratio Lower Upper
 105 100
 120 45.1 35.8 53.8

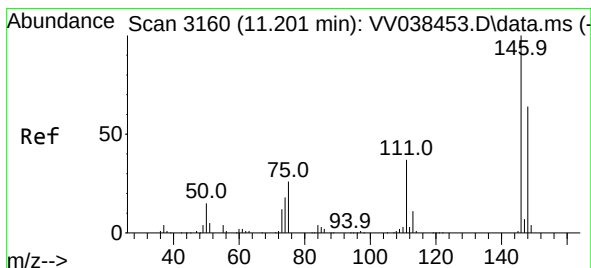
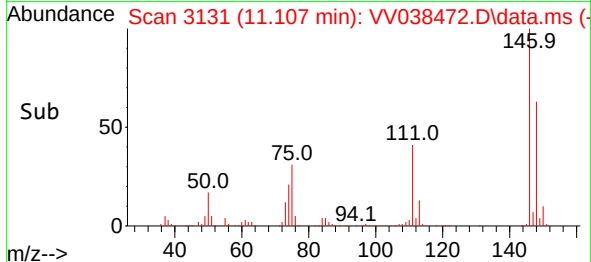
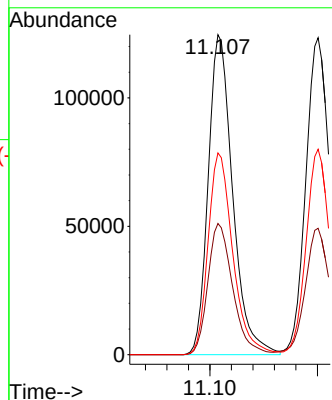
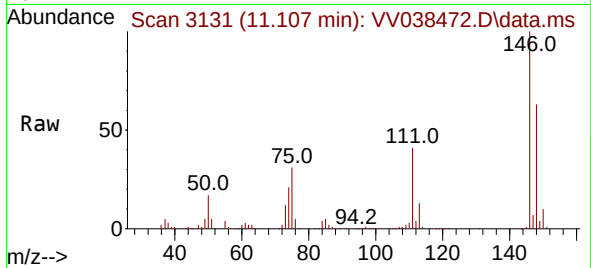




#64
1,3-Dichlorobenzene
Concen: 4.774 ug/L
RT: 11.107 min Scan# 3131
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

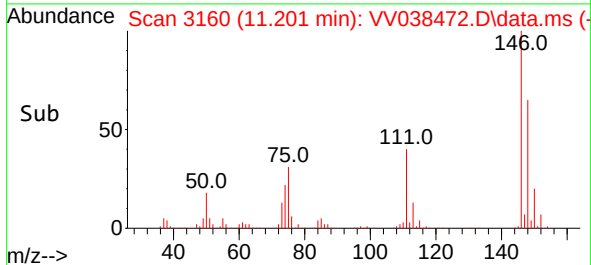
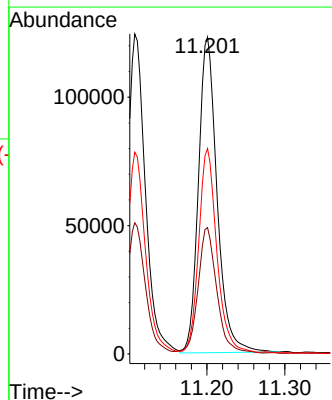
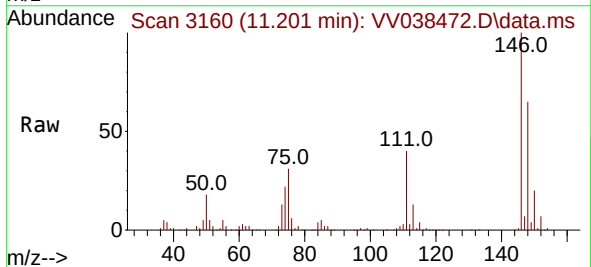
Instrument :
MSVOA_V
ClientSampleId :

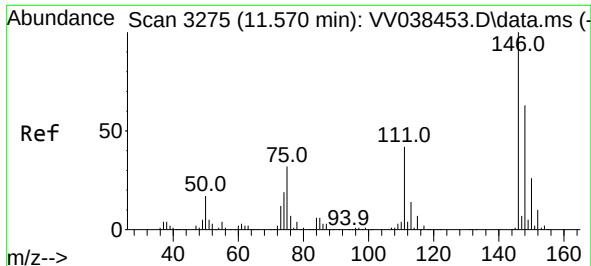
Tgt Ion:146 Resp: 197045
Ion Ratio Lower Upper
146 100
111 41.0 27.9 51.9
148 63.1 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 4.784 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion:146 Resp: 204152
Ion Ratio Lower Upper
146 100
111 39.9 28.1 52.3
148 64.8 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.811 ug/L

RT: 11.570 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

Instrument :

MSVOA_V

ClientSampleId :

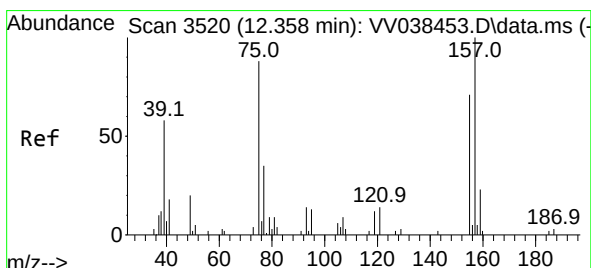
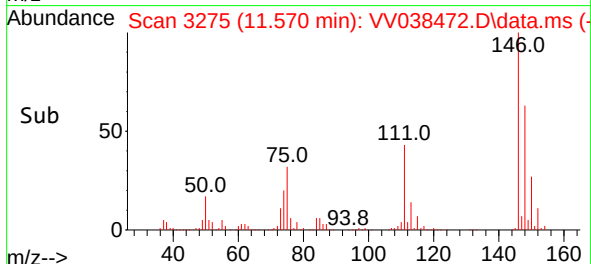
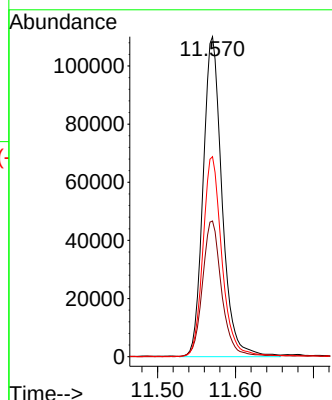
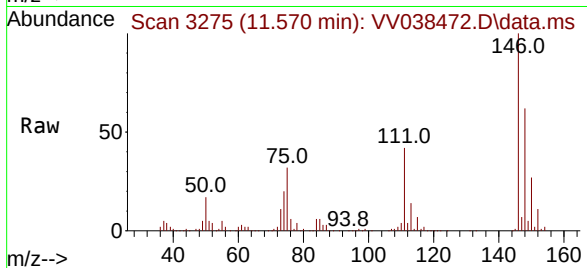
Tgt Ion:146 Resp: 185948

Ion Ratio Lower Upper

146 100

111 42.4 33.4 50.0

148 62.5 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.001 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.003 min

Lab File: VV038472.D

Acq: 20 Jan 2025 18:26

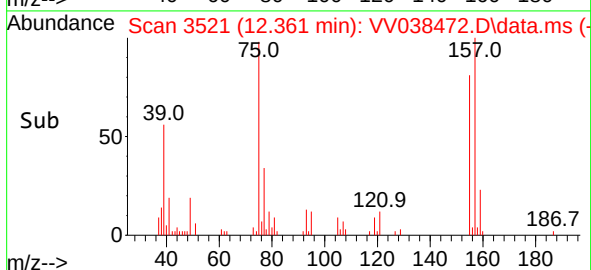
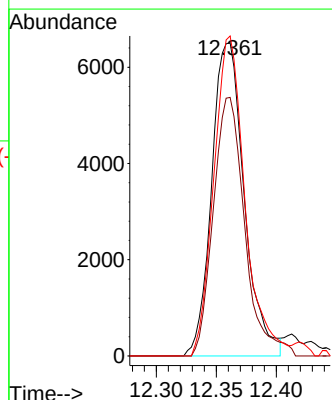
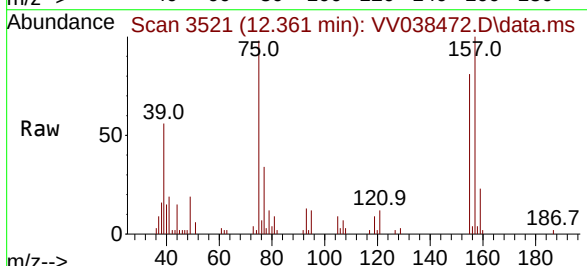
Tgt Ion: 75 Resp: 12281

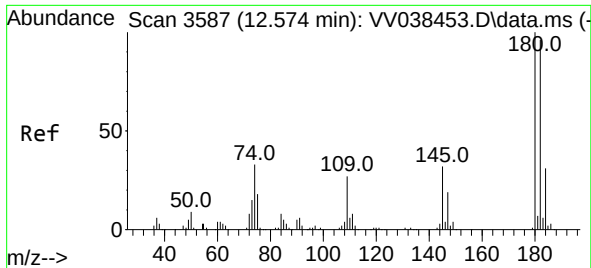
Ion Ratio Lower Upper

75 100

155 82.5 56.7 85.1

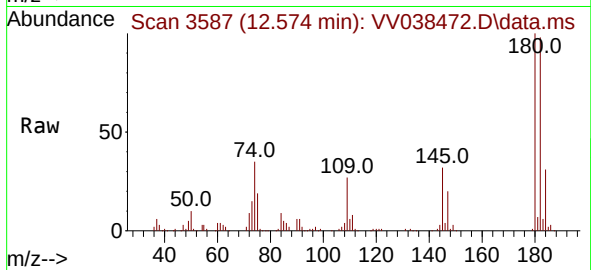
157 102.1 74.4 111.6





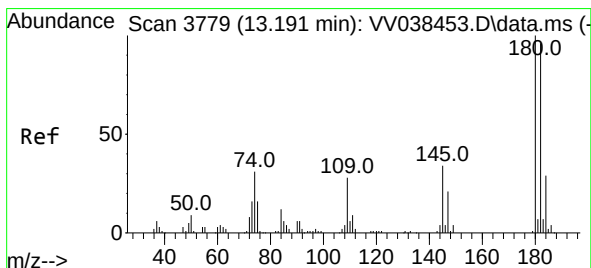
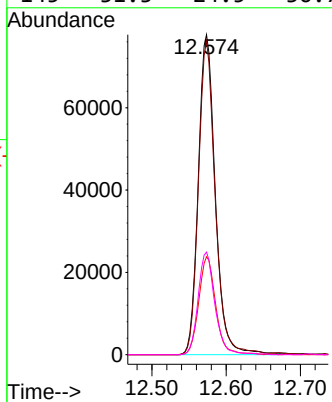
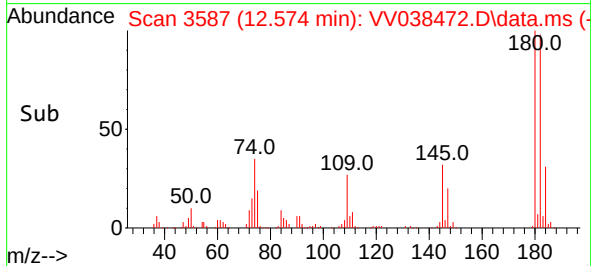
#69
 1,3,5-Trichlorobenzene
 Concen: 4.376 ug/L
 RT: 12.574 min Scan# 3587
 Delta R.T. 0.000 min
 Lab File: VV038472.D
 Acq: 20 Jan 2025 18:26

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 124235

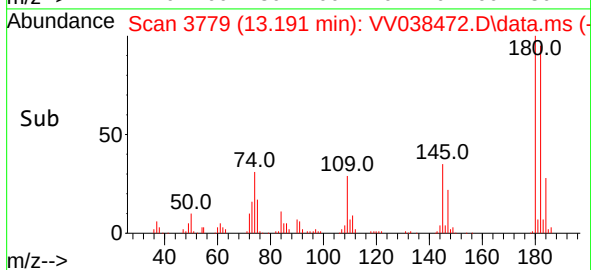
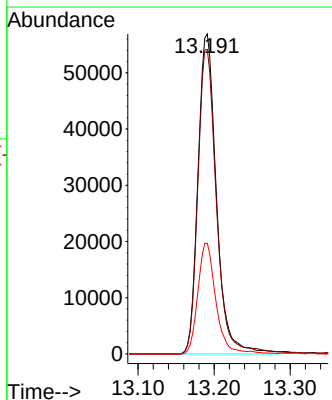
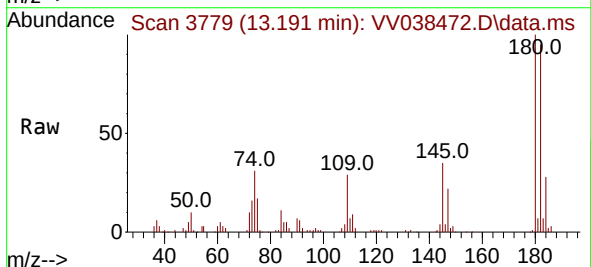
Ion	Ratio	Lower	Upper
180	100		
182	96.0	74.3	111.5
184	30.4	23.2	34.8
145	31.3	24.5	36.7

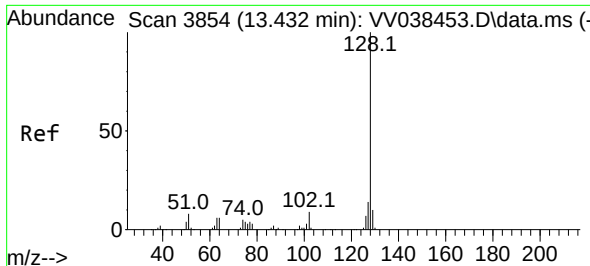


#70
 1,2,4-trichlorobenzene
 Concen: 4.546 ug/L
 RT: 13.191 min Scan# 3779
 Delta R.T. 0.000 min
 Lab File: VV038472.D
 Acq: 20 Jan 2025 18:26

Tgt Ion:180 Resp: 95913

Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.5	116.3
145	33.4	26.2	39.4

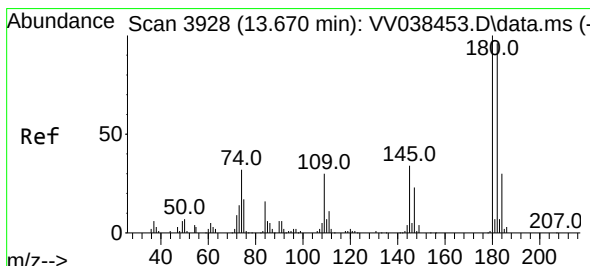
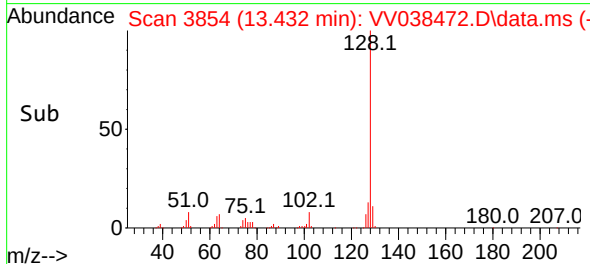
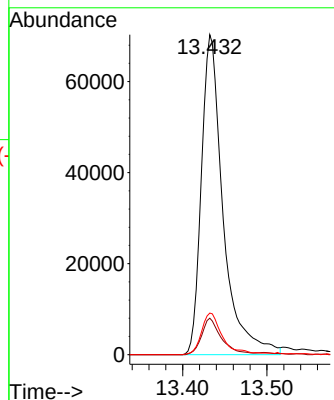
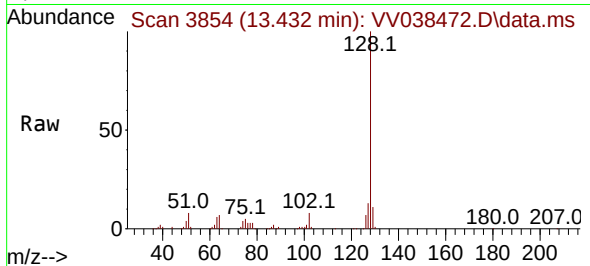




#71
Naphthalene
Concen: 4.045 ug/L
RT: 13.432 min Scan# 3854
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 126433
Ion Ratio Lower Upper
128 100
129 10.5 8.3 12.5
127 12.6 11.0 16.6



#72
1,2,3-Trichlorobenzene
Concen: 4.743 ug/L
RT: 13.670 min Scan# 3928
Delta R.T. 0.000 min
Lab File: VV038472.D
Acq: 20 Jan 2025 18:26

Tgt Ion:180 Resp: 86534
Ion Ratio Lower Upper
180 100
182 93.7 77.0 115.6
145 33.1 27.1 40.7

