

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112423\
 Data File : VV033070.D
 Acq On : 24 Nov 2023 13:40
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 00:56:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 27 00:54:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	302771	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	305266	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	192214	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	58942	37.234	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.460%
7) Chloroethane-d5	1.532	69	46980	38.588	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.180%
11) 1,1-Dichloroethene-d2	2.060	65	25938	40.044	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.080%
21) 2-Butanone-d5	3.783	46	93261	92.595	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.590%
24) Chloroform-d	4.249	84	177102	45.396	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	4.940	65	112314	46.151	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.300%
32) Benzene-d6	4.960	84	313509	44.101	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	5.989	67	86951	43.134	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.260%
41) Toluene-d8	7.243	98	299143	44.081	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.160%
43) trans-1,3-Dichloroprop...	7.551	79	52029	44.210	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.420%
47) 2-Hexanone-d5	8.024	63	82118	98.442	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.440%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	137606	44.844	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.680%
66) 1,2-Dichlorobenzene-d4	11.561	152	152809	44.581	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	136150	41.623	ug/L	100
3) Chloromethane	1.214	50	94504	38.713	ug/L	97
5) Vinyl chloride	1.285	62	89980	39.736	ug/L	98
6) Bromomethane	1.484	94	59559	39.803	ug/L	99
8) Chloroethane	1.548	64	50779	40.542	ug/L	97
9) Trichlorofluoromethane	1.716	101	163647	44.638	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	76333	42.227	ug/L	96
12) 1,1-Dichloroethene	2.069	96	71397	42.776	ug/L	95
13) Acetone	2.111	43	67193	68.183	ug/L	99
14) Carbon disulfide	2.243	76	229455	41.335	ug/L	99
15) Methyl Acetate	2.371	43	73901	42.775	ug/L	99
16) Methylene chloride	2.445	84	99032	41.880	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	94671	44.321	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	307674	45.918	ug/L	99
19) 1,1-Dichloroethane	3.111	63	163630	42.884	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	106612	44.515	ug/L	98
22) 2-Butanone	3.863	43	100421	78.700	ug/L	97
23) Bromochloromethane	4.146	128	59475	45.149	ug/L	94
25) Chloroform	4.278	83	194131	45.203	ug/L	100

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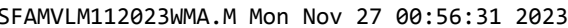
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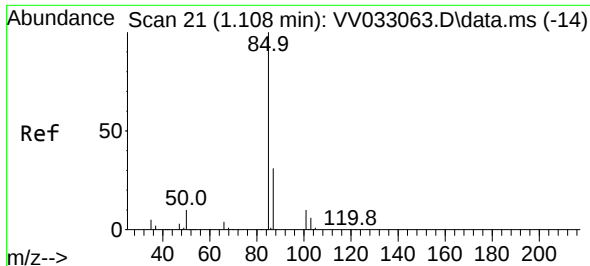
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	154843	46.218	ug/L	98
29) Cyclohexane	4.584	56	124795	42.372	ug/L	95
30) 1,1,1-Trichloroethane	4.513	97	185584	46.546	ug/L	99
31) Carbon tetrachloride	4.738	117	172420	46.404	ug/L	100
33) Benzene	5.011	78	385288	45.376	ug/L	100
34) Trichloroethene	5.834	95	107759	45.025	ug/L	99
35) Methylcyclohexane	6.053	83	150993	43.406	ug/L	99
37) 1,2-Dichloropropane	6.095	63	93384	44.807	ug/L	100
38) Bromodichloromethane	6.432	83	146954	45.381	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	160815	44.820	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	205233	90.027	ug/L	95
42) Toluene	7.317	91	437741	46.527	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	166398	46.152	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	107783	45.921	ug/L	98
46) Tetrachloroethene	7.905	164	93458	44.810	ug/L	98
48) 2-Hexanone	8.075	43	157027	87.066	ug/L	97
49) Dibromochloromethane	8.178	129	126220	46.659	ug/L	99
50) 1,2-Dibromoethane	8.281	107	112286	45.678	ug/L	99
51) Chlorobenzene	8.815	112	298863	44.765	ug/L	99
52) Ethylbenzene	8.947	91	493910	45.730	ug/L	98
53) m,p-Xylene	9.072	106	195900	46.165	ug/L	99
54) o-Xylene	9.477	106	192188	47.050	ug/L	99
55) Styrene	9.497	104	352223	48.339	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	146878	44.298	ug/L	100
59) Bromoform	9.664	173	105157	46.943	ug/L	99
60) Isopropylbenzene	9.866	105	531325	45.598	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	120566	43.480	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	425122	45.473	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	448030	45.745	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	282543	45.258	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	286094	43.113	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	275155	43.924	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	36433	45.165	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	217942	44.903	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	205768	46.261	ug/L	99
71) Naphthalene	13.438	128	523238	47.560	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	207609	48.141	ug/L	99

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

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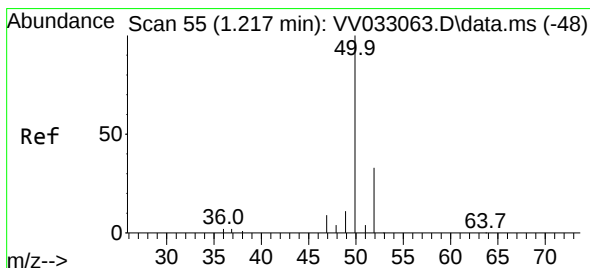
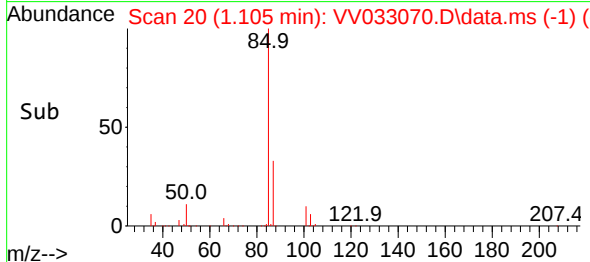
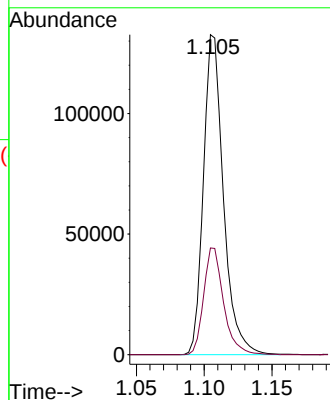
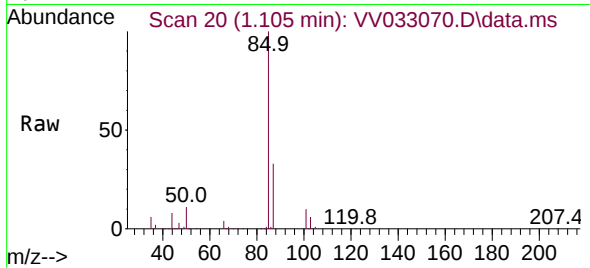




#2
Dichlorodifluoromethane
Concen: 41.623 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

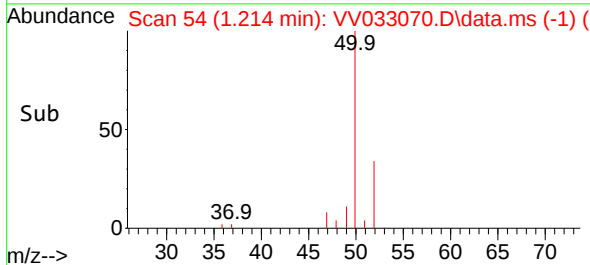
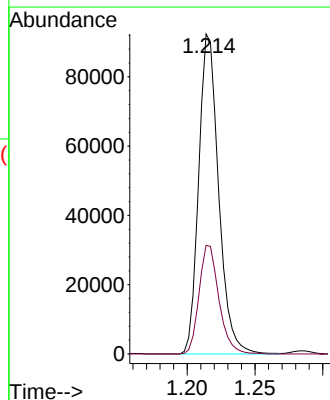
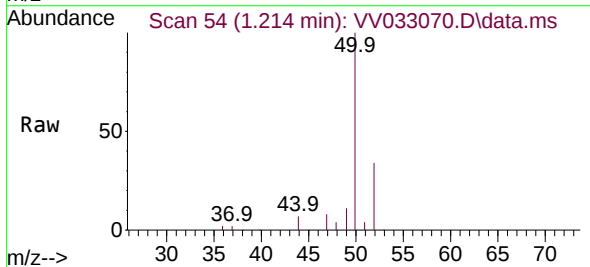
Instrument :
MSVOA_V
ClientSampleId :

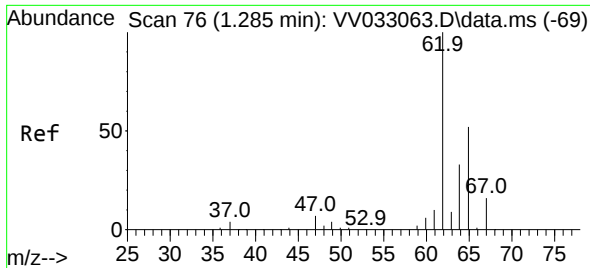
Tgt Ion: 85 Resp: 136150
Ion Ratio Lower Upper
85 100
87 33.3 26.8 40.2



#3
Chloromethane
Concen: 38.713 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.003 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Tgt Ion: 50 Resp: 94504
Ion Ratio Lower Upper
50 100
52 33.9 22.7 42.3

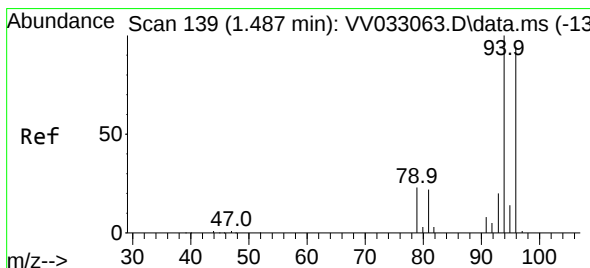
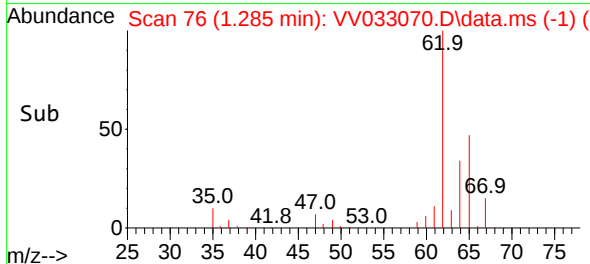
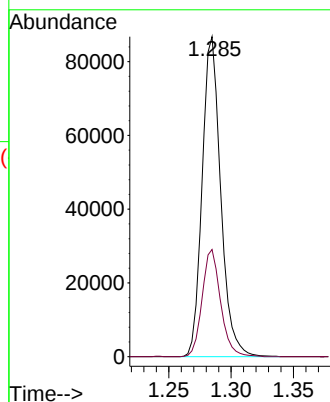
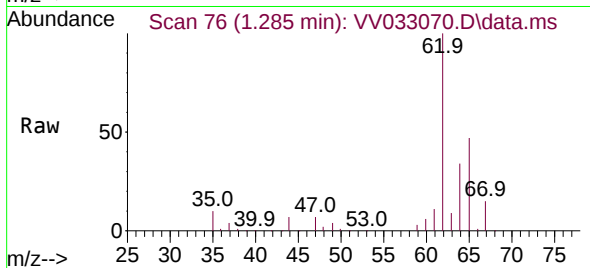




#5
 Vinyl chloride
 Concen: 39.736 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VV033070.D
 Acq: 24 Nov 2023 13:40

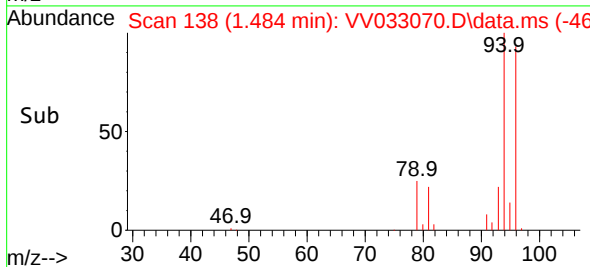
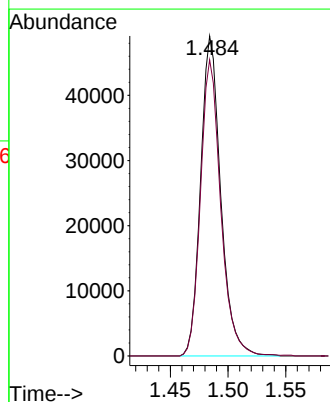
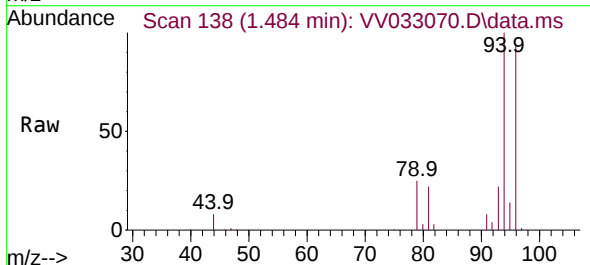
Instrument :
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 ClientSampleId :

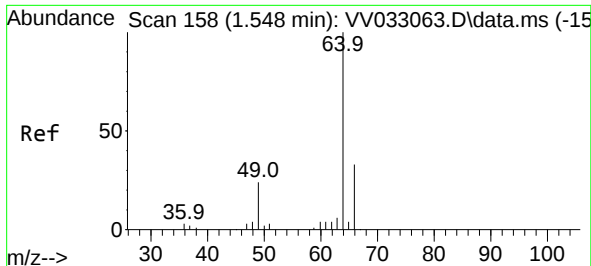
Tgt Ion: 62 Resp: 89980
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.7 42.1



#6
 Bromomethane
 Concen: 39.803 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV033070.D
 Acq: 24 Nov 2023 13:40

Tgt Ion: 94 Resp: 59559
 Ion Ratio Lower Upper
 94 100
 96 92.6 64.4 119.6

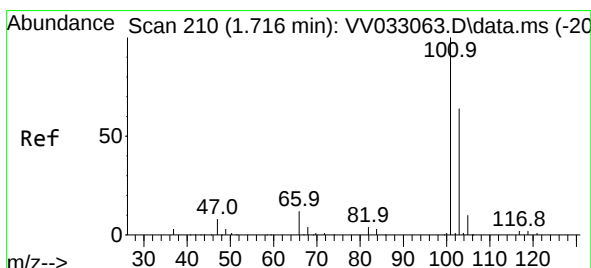
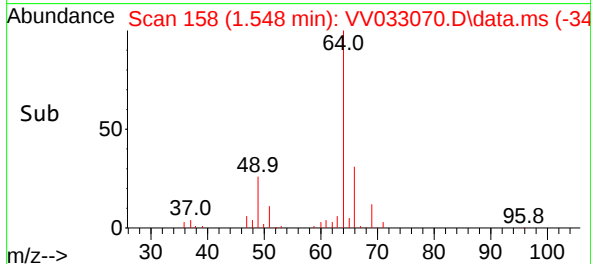
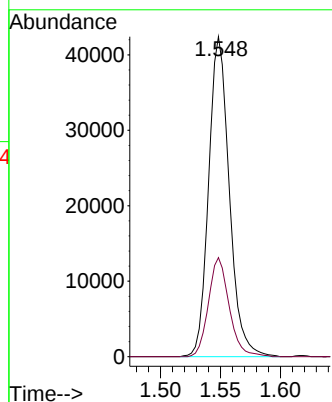
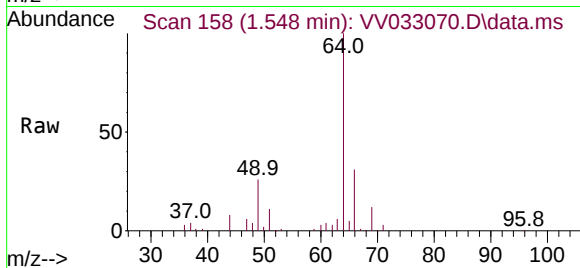




#8
Chloroethane
Concen: 40.542 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

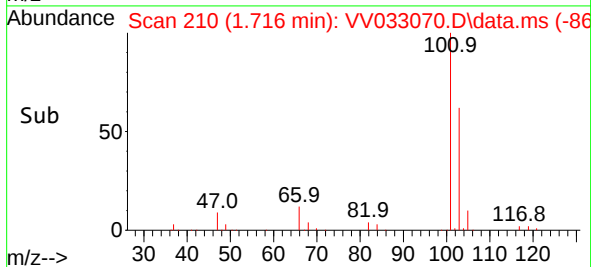
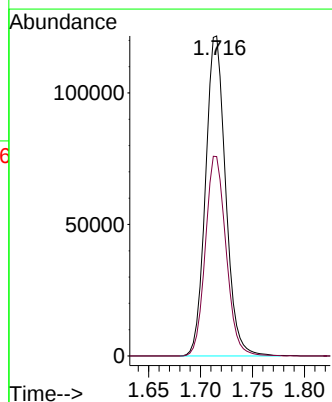
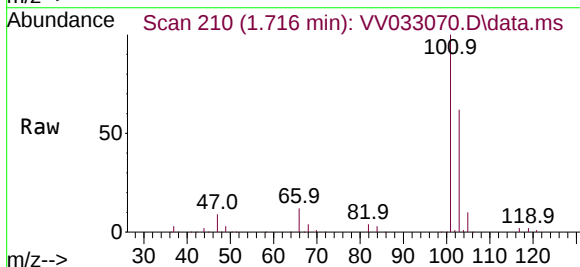
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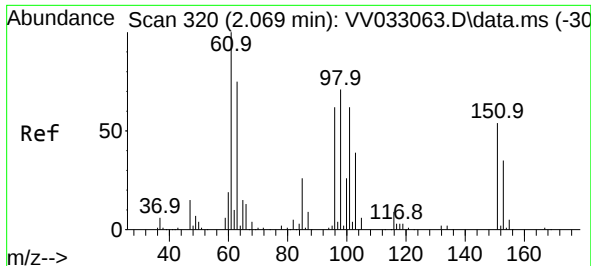
Tgt Ion: 64 Resp: 50779
Ion Ratio Lower Upper
64 100
66 31.0 22.8 42.4



#9
Trichlorofluoromethane
Concen: 44.638 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Tgt Ion:101 Resp: 163647
Ion Ratio Lower Upper
101 100
103 64.2 52.1 78.1





#10

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

Concen: 42.227 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

ClientSampleId :

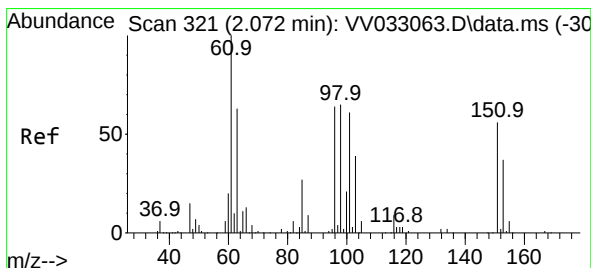
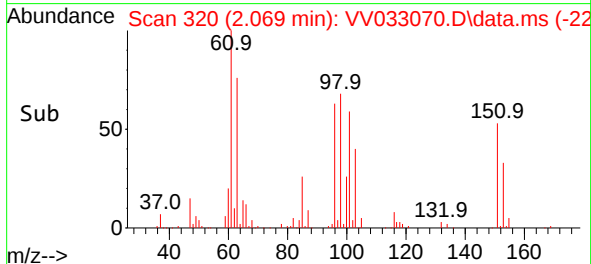
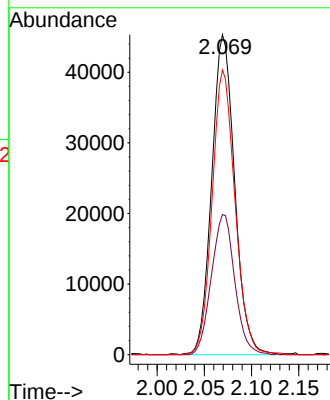
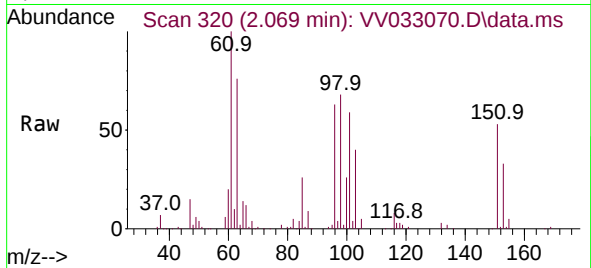
Tgt Ion:101 Resp: 76333

Ion Ratio Lower Upper

101 100

85 44.7 35.5 53.3

151 89.2 67.0 100.4



#12

1,1-Dichloroethene

Concen: 42.776 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

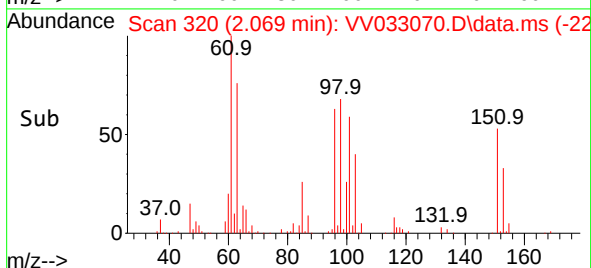
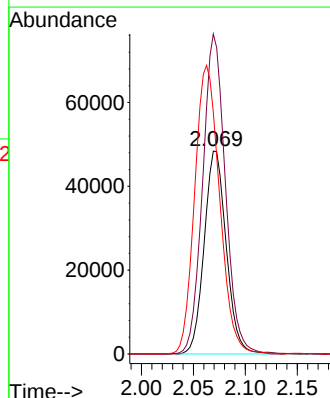
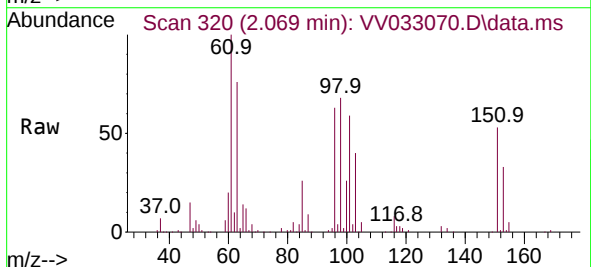
Tgt Ion: 96 Resp: 71397

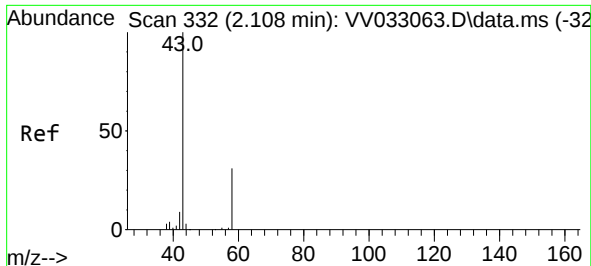
Ion Ratio Lower Upper

96 100

61 157.7 116.6 216.6

63 119.1 84.8 157.4





#13

Acetone

Concen: 68.183 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

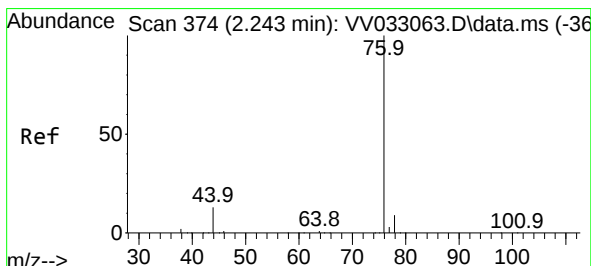
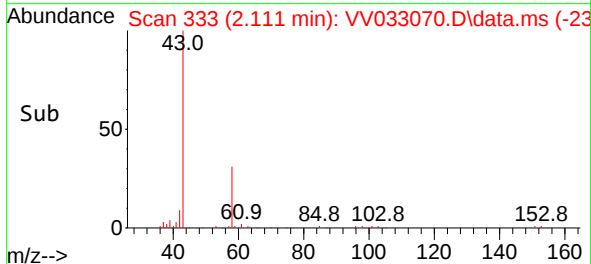
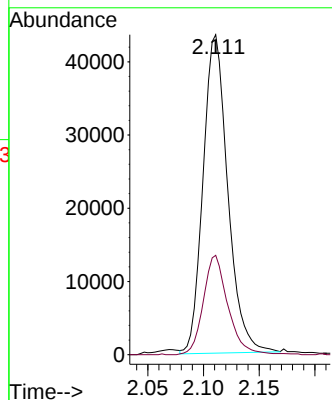
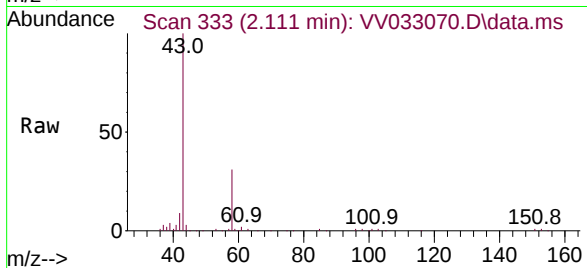
ClientSampleId :

Tgt Ion: 43 Resp: 67193

Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.6



#14

Carbon disulfide

Concen: 41.335 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV033070.D

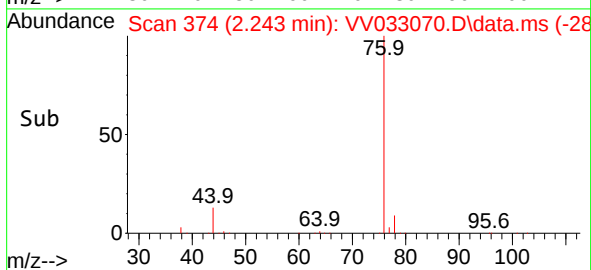
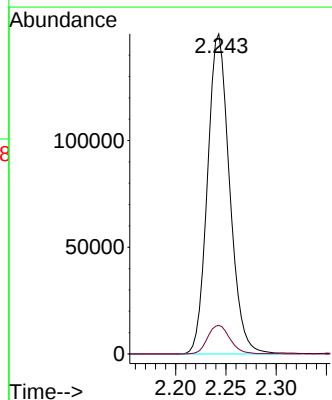
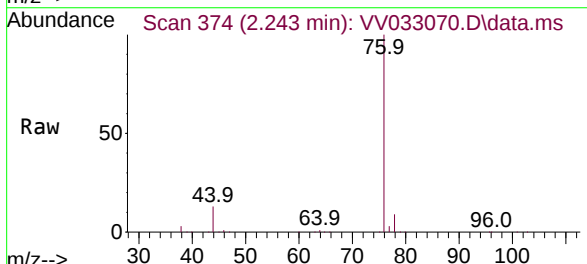
Acq: 24 Nov 2023 13:40

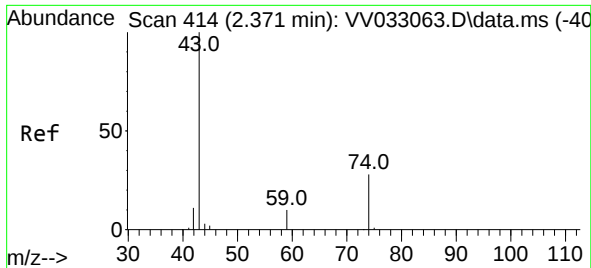
Tgt Ion: 76 Resp: 229455

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

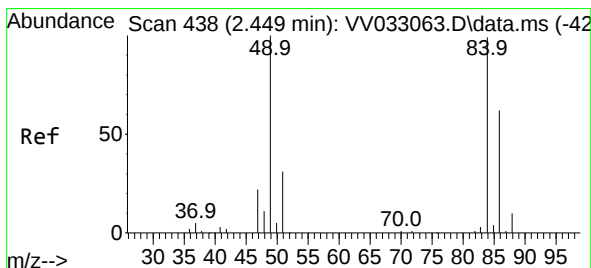
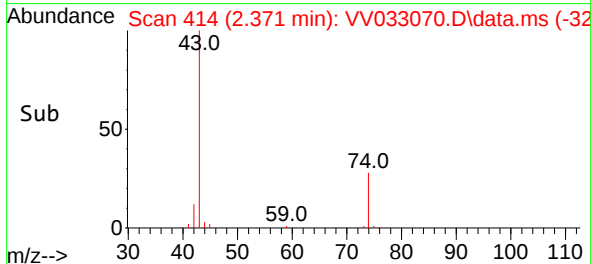
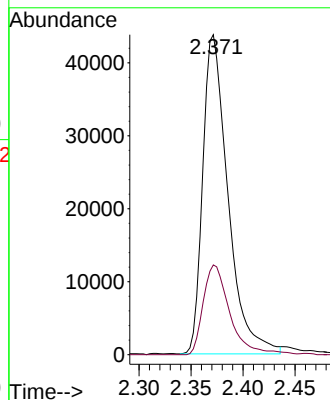
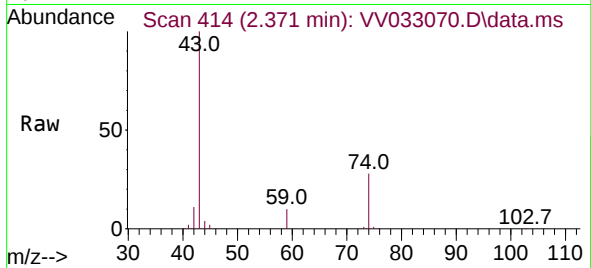




#15
Methyl Acetate
Concen: 42.775 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

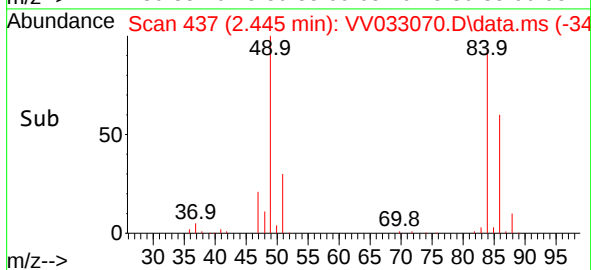
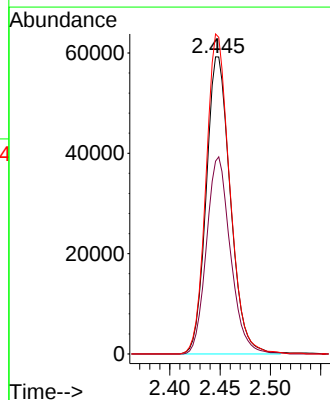
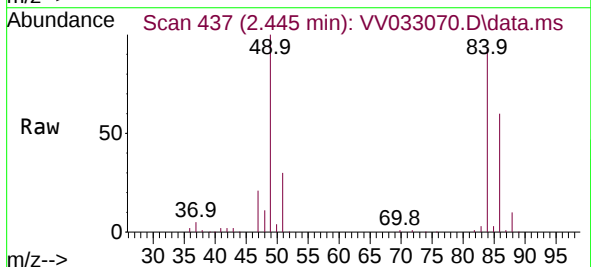
Instrument :
MSVOA_V
ClientSampleId :

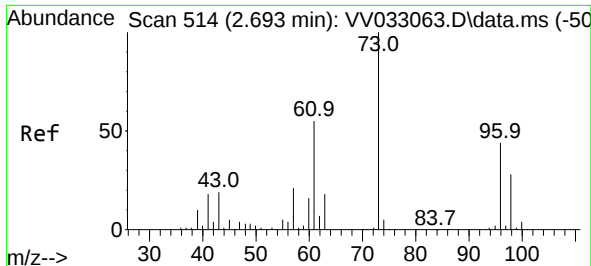
Tgt Ion: 43 Resp: 73901
Ion Ratio Lower Upper
43 100
74 28.9 22.7 34.1



#16
Methylene chloride
Concen: 41.880 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Tgt Ion: 84 Resp: 99032
Ion Ratio Lower Upper
84 100
86 64.9 44.7 83.1
49 107.7 76.6 142.3





#17

trans-1,2-Dichloroethene

Concen: 44.321 ug/L

RT: 2.696 min Scan# 514

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

ClientSampleId :

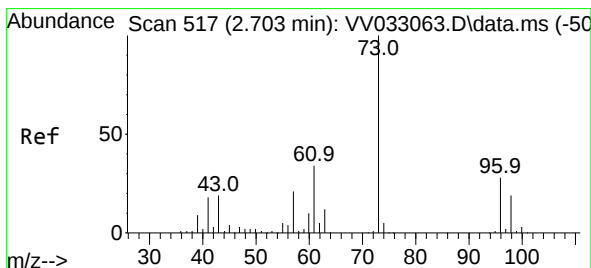
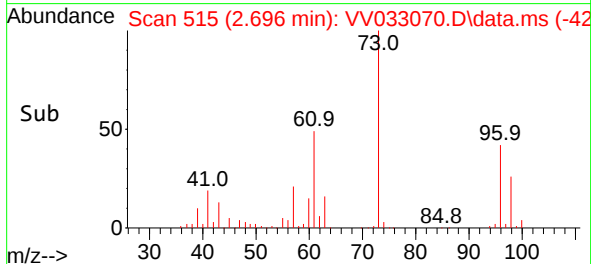
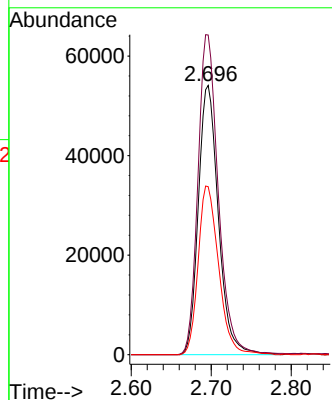
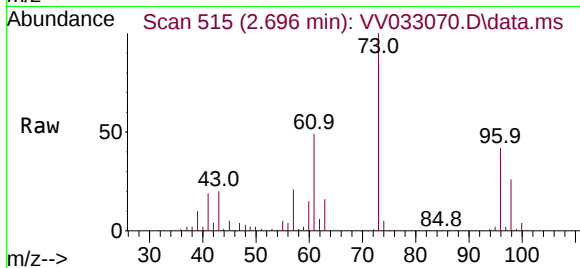
Tgt Ion: 96 Resp: 94671

Ion Ratio Lower Upper

96 100

61 118.7 89.5 166.3

98 62.4 43.6 81.0



#18

Methyl tert-butyl Ether

Concen: 45.918 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

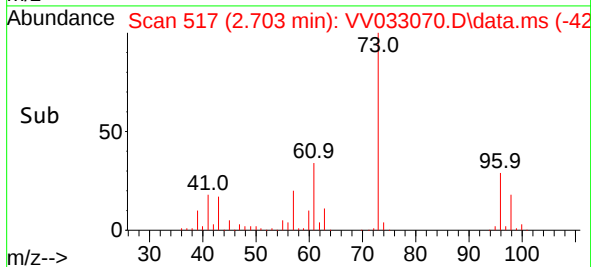
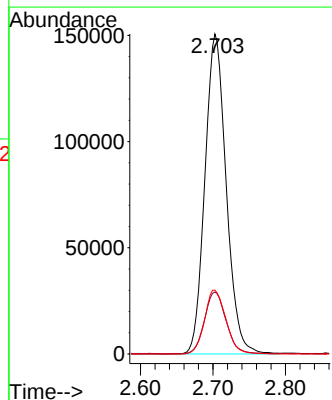
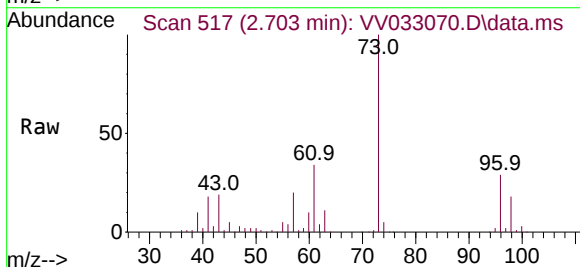
Tgt Ion: 73 Resp: 307674

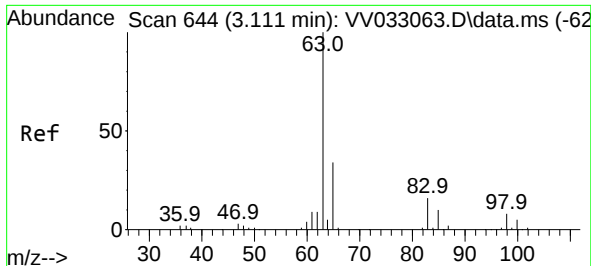
Ion Ratio Lower Upper

73 100

43 19.5 15.2 22.8

57 19.9 15.8 23.8





#19

1,1-Dichloroethane

Concen: 42.884 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

ClientSampleId :

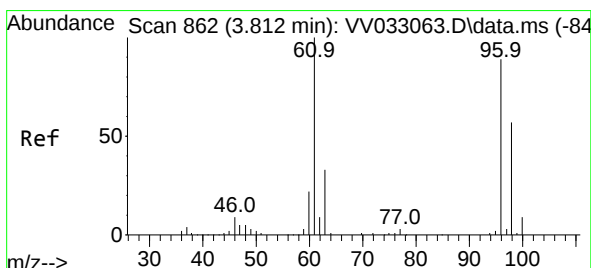
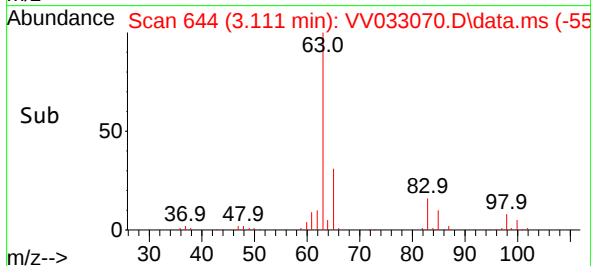
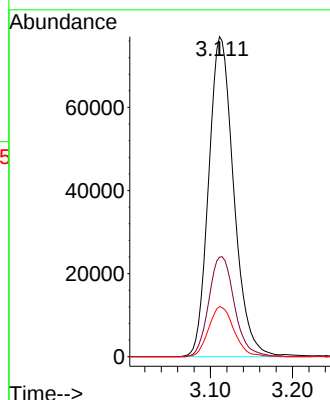
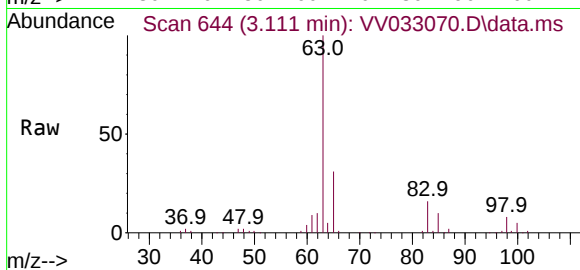
Tgt Ion: 63 Resp: 163630

Ion Ratio Lower Upper

63 100

65 31.1 22.4 41.6

83 15.7 10.7 19.9



#20

cis-1,2-Dichloroethene

Concen: 44.515 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

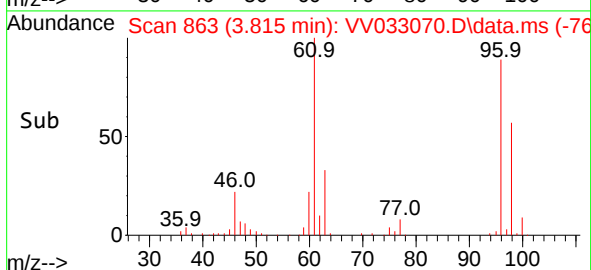
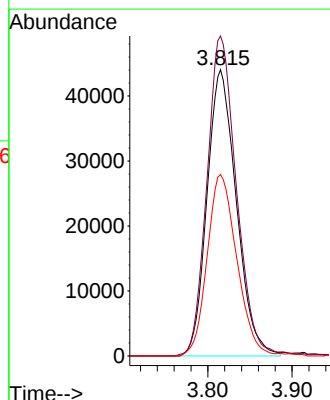
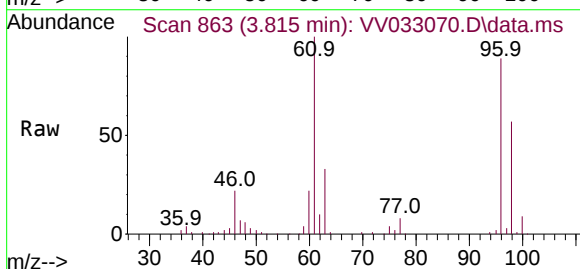
Tgt Ion: 96 Resp: 106612

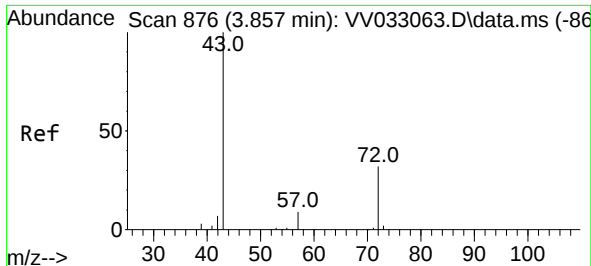
Ion Ratio Lower Upper

96 100

61 111.8 80.2 149.0

98 63.4 45.1 83.7

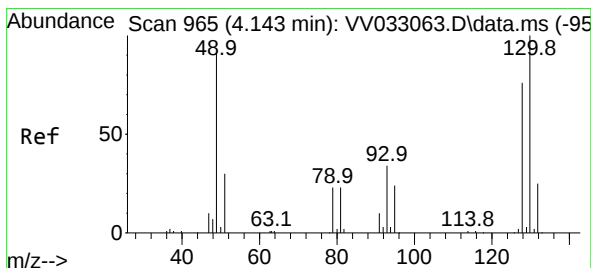
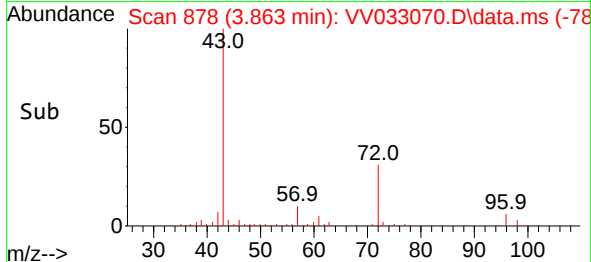
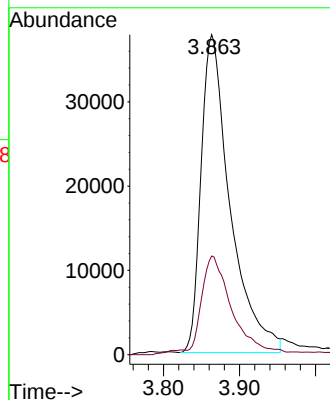
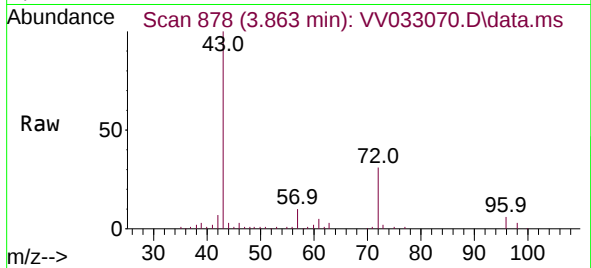




#22
2-Butanone
Concen: 78.700 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.006 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

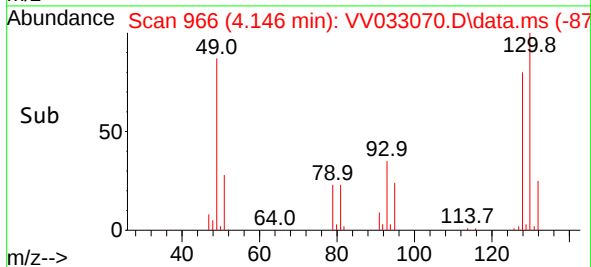
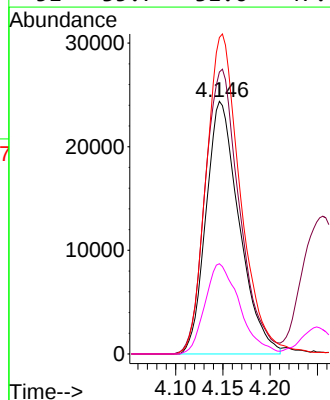
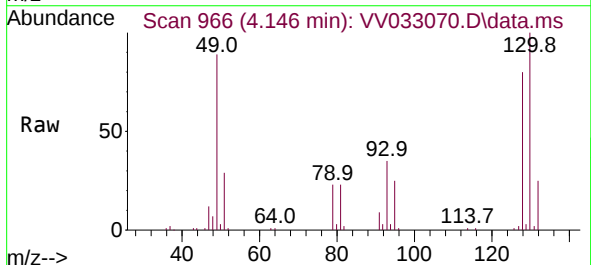
Instrument :
MSVOA_V
ClientSampleId :

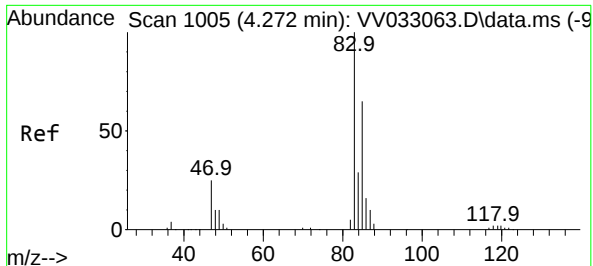
Tgt Ion: 43 Resp: 100421
Ion Ratio Lower Upper
43 100
72 29.3 13.9 41.7



#23
Bromochloromethane
Concen: 45.149 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Tgt Ion:128 Resp: 59475
Ion Ratio Lower Upper
128 100
49 111.6 87.1 161.7
130 125.3 88.1 163.5
51 35.7 31.6 47.4





#25

Chloroform

Concen: 45.203 ug/L

RT: 4.278 min Scan# 1005

Delta R.T. 0.006 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

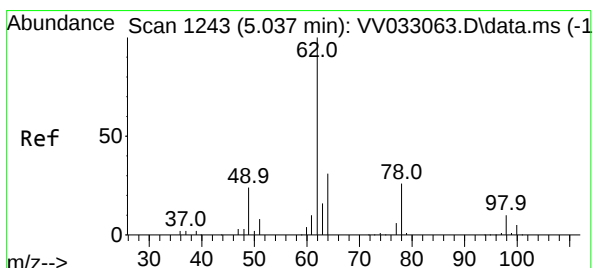
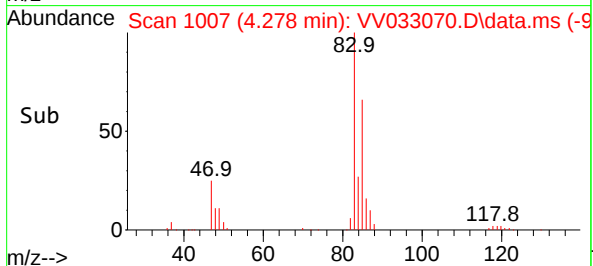
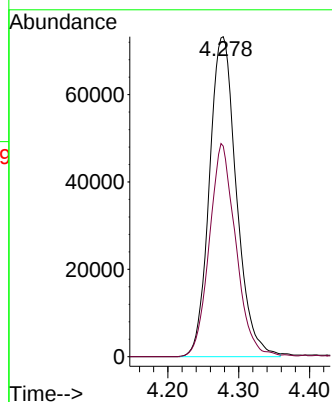
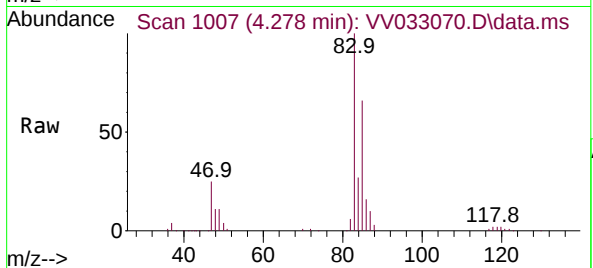
ClientSampleId :

Tgt Ion: 83 Resp: 194131

Ion Ratio Lower Upper

83 100

85 65.8 46.2 85.8



#27

1,2-Dichloroethane

Concen: 46.218 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV033070.D

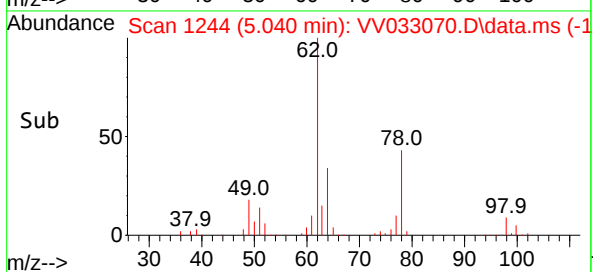
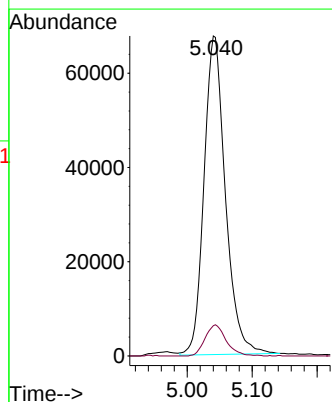
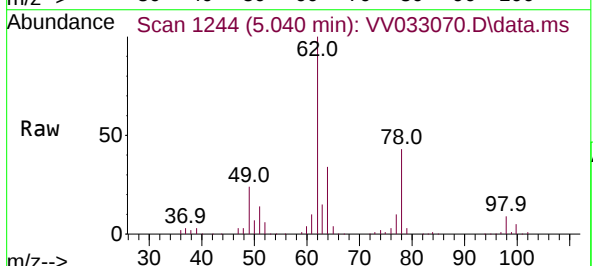
Acq: 24 Nov 2023 13:40

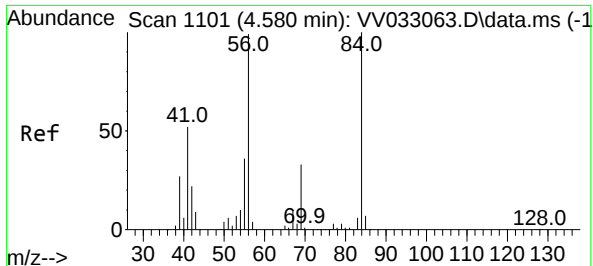
Tgt Ion: 62 Resp: 154843

Ion Ratio Lower Upper

62 100

98 9.5 8.3 12.5





#29

Cyclohexane

Concen: 42.372 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

ClientSampleId :

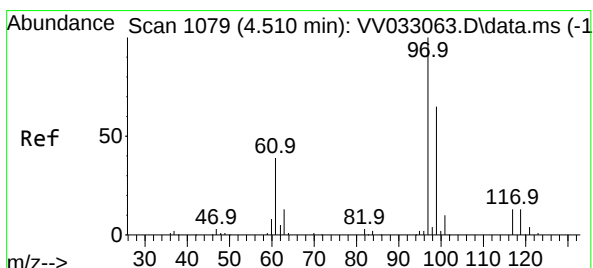
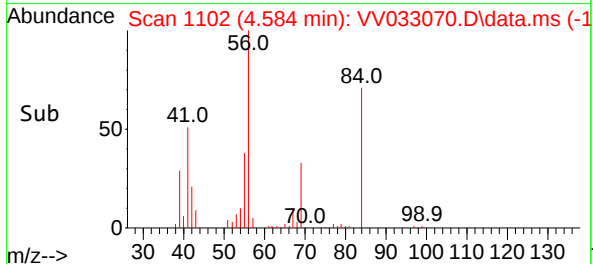
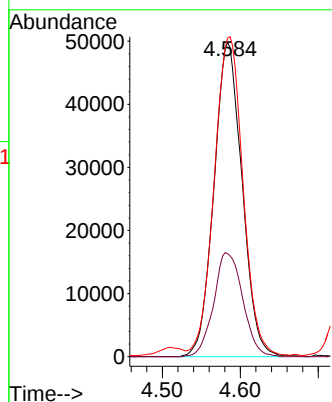
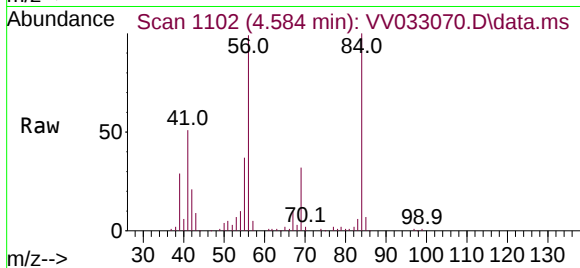
Tgt Ion: 56 Resp: 124795

Ion Ratio Lower Upper

56 100

69 34.2 26.7 40.1

84 103.4 78.1 117.1



#30

1,1,1-Trichloroethane

Concen: 46.546 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

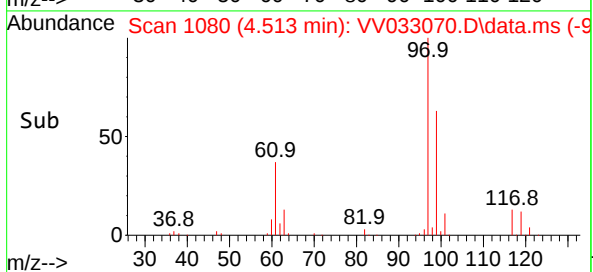
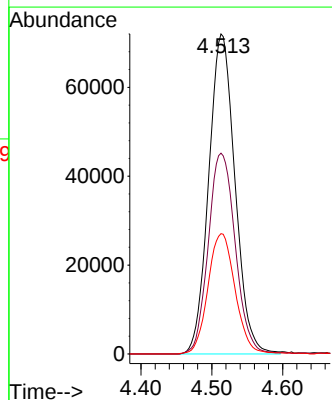
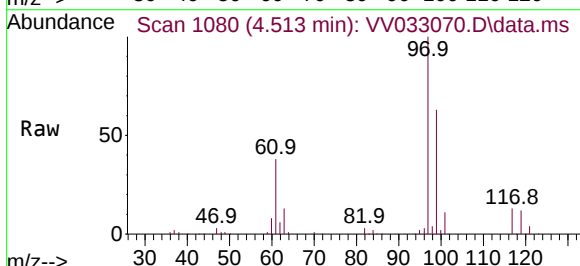
Tgt Ion: 97 Resp: 185584

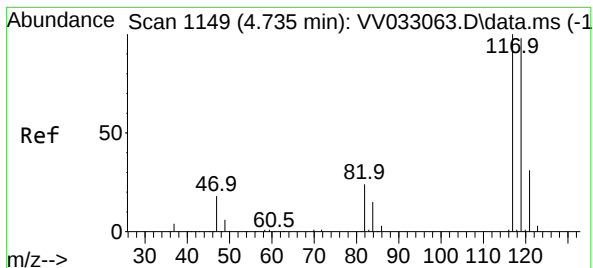
Ion Ratio Lower Upper

97 100

99 64.4 51.2 76.8

61 38.8 32.1 48.1





#31

Carbon tetrachloride

Concen: 46.404 ug/L

RT: 4.738 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

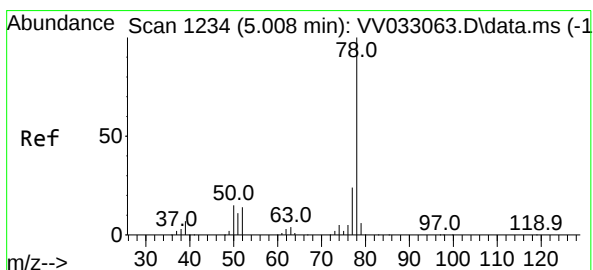
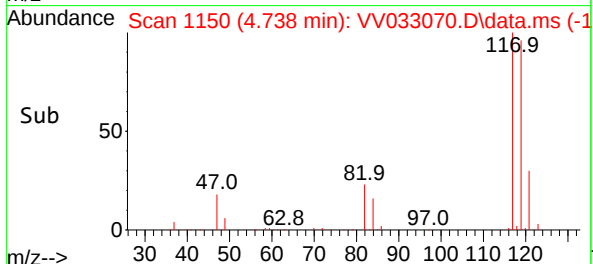
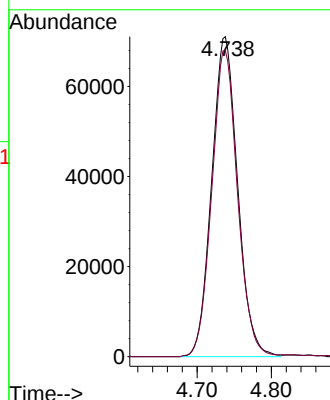
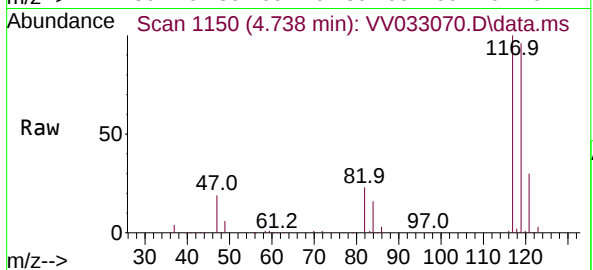
ClientSampleId :

Tgt Ion:117 Resp: 172420

Ion Ratio Lower Upper

117 100

119 95.2 76.5 114.7



#33

Benzene

Concen: 45.376 ug/L

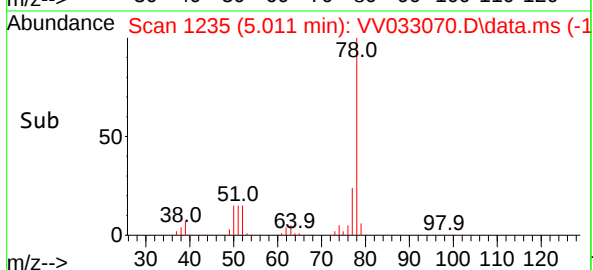
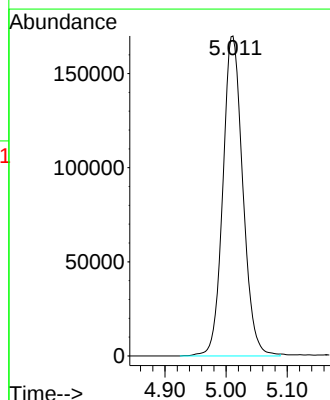
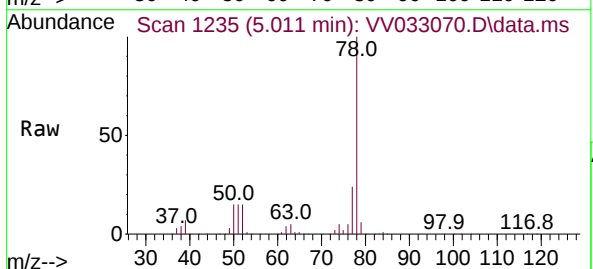
RT: 5.011 min Scan# 1235

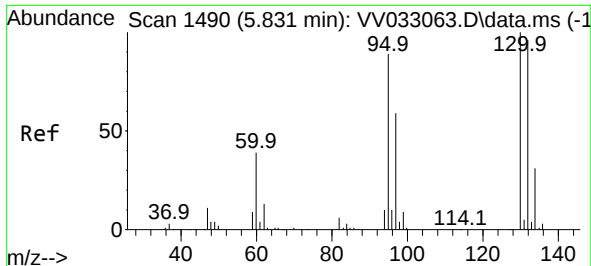
Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Tgt Ion: 78 Resp: 385288

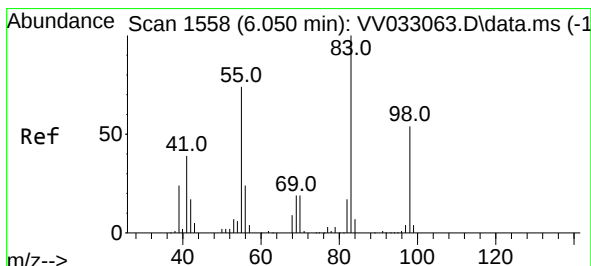
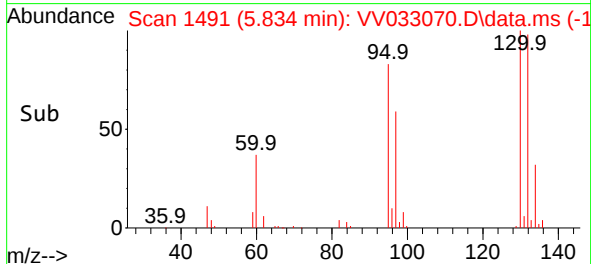
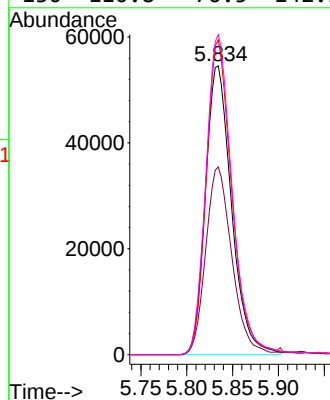
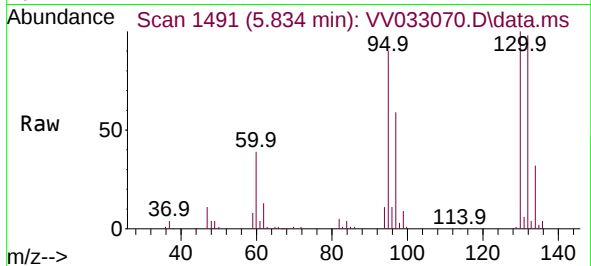




#34
Trichloroethene
Concen: 45.025 ug/L
RT: 5.834 min Scan# 1490
Delta R.T. 0.003 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

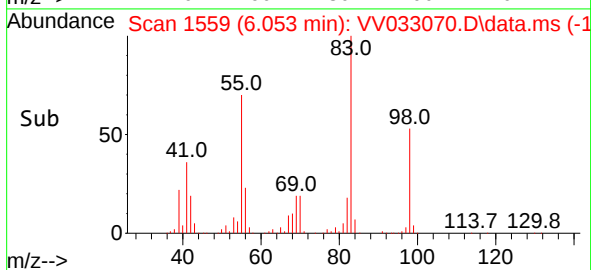
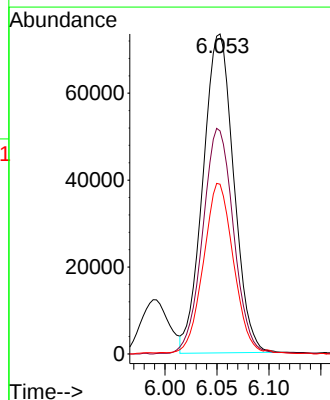
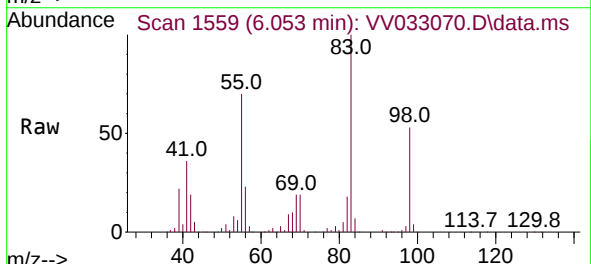
Instrument :
MSVOA_V
ClientSampleId :

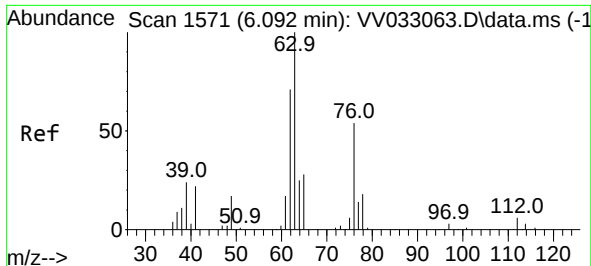
Tgt Ion: 95 Resp: 107759
Ion Ratio Lower Upper
95 100
97 65.0 46.0 85.4
132 109.0 76.0 141.2
130 110.8 76.5 142.1



#35
Methylcyclohexane
Concen: 43.406 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Tgt Ion: 83 Resp: 150993
Ion Ratio Lower Upper
83 100
55 71.0 56.3 84.5
98 51.6 40.5 60.7





#37

1,2-Dichloropropane

Concen: 44.807 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

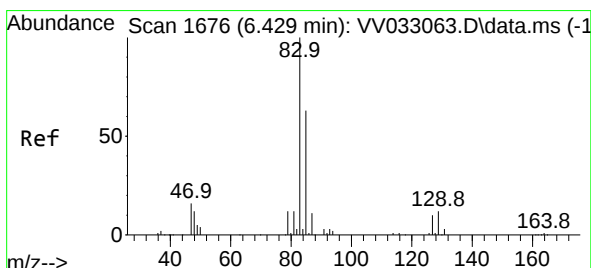
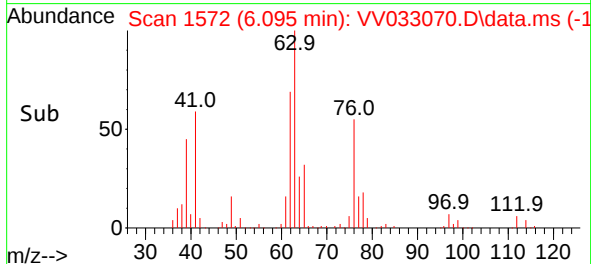
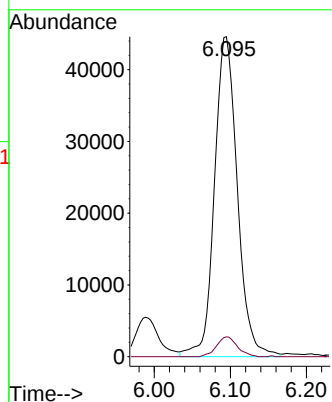
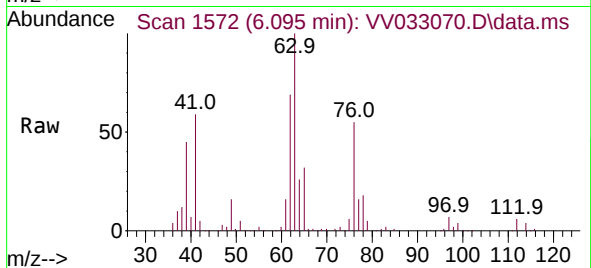
ClientSampleId :

Tgt Ion: 63 Resp: 93384

Ion Ratio Lower Upper

63 100

112 5.6 4.6 7.0



#38

Bromodichloromethane

Concen: 45.381 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

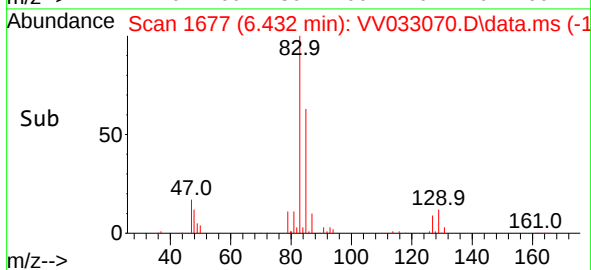
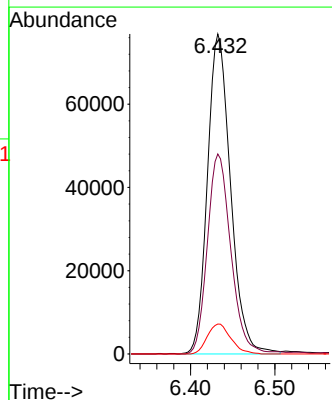
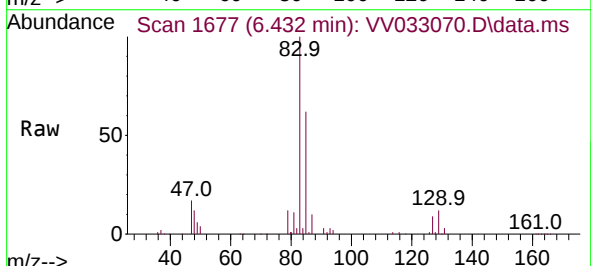
Tgt Ion: 83 Resp: 146954

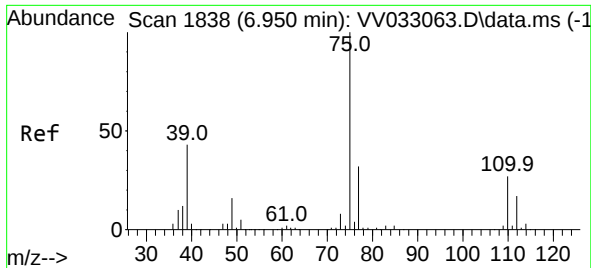
Ion Ratio Lower Upper

83 100

85 62.5 44.7 83.1

127 9.3 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 44.820 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

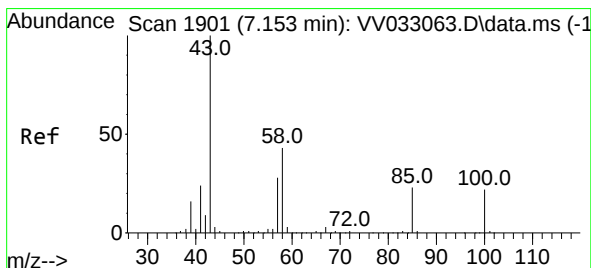
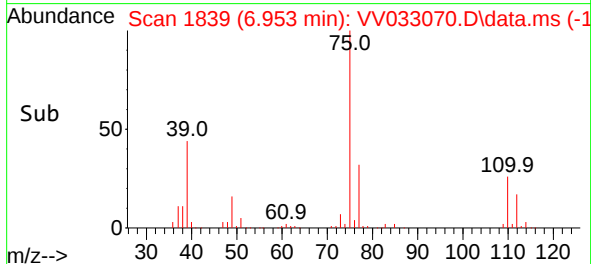
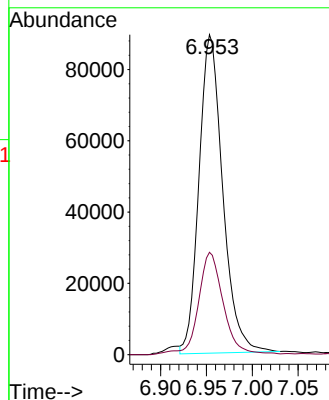
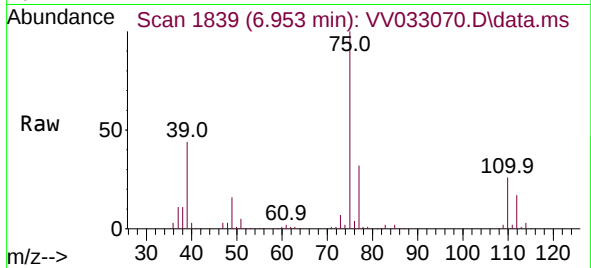
ClientSampleId :

Tgt Ion: 75 Resp: 160815

Ion Ratio Lower Upper

75 100

77 32.0 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 90.027 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

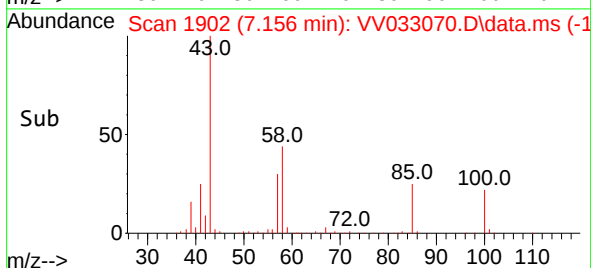
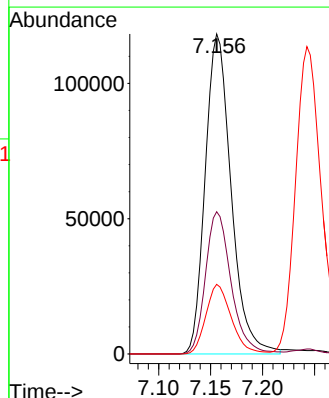
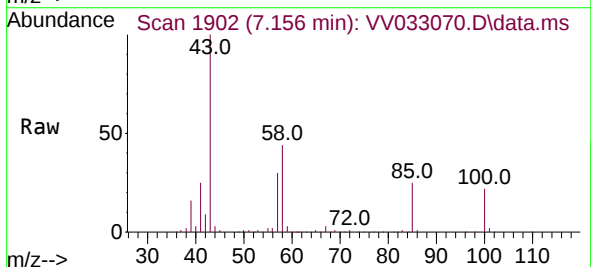
Tgt Ion: 43 Resp: 205233

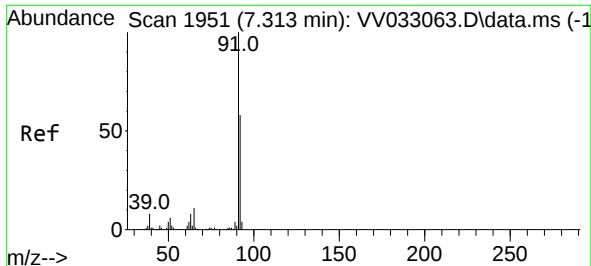
Ion Ratio Lower Upper

43 100

58 44.0 33.2 49.8

100 21.3 14.9 22.3





#42

Toluene

Concen: 46.527 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

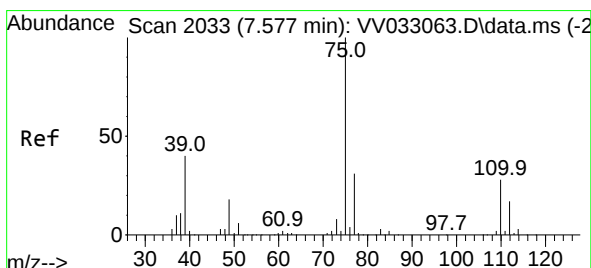
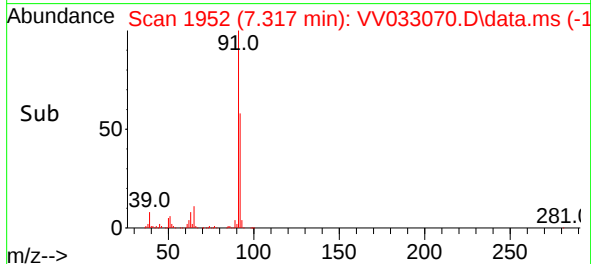
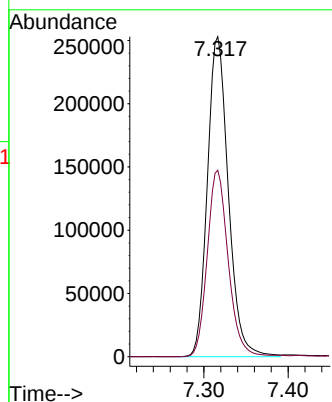
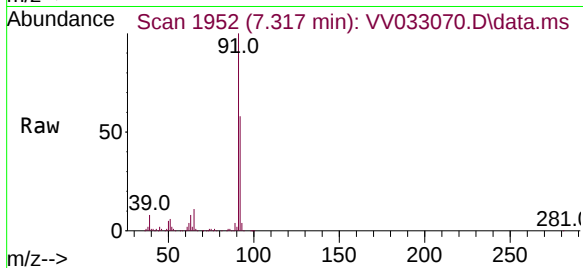
ClientSampleId :

Tgt Ion: 91 Resp: 437741

Ion Ratio Lower Upper

91 100

92 58.3 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 46.152 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV033070.D

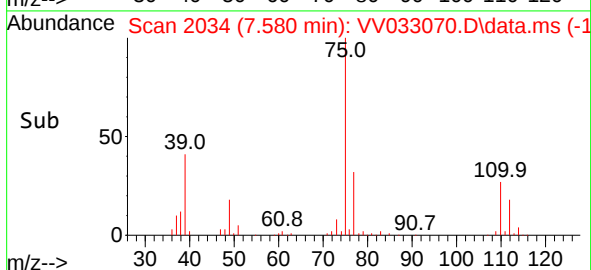
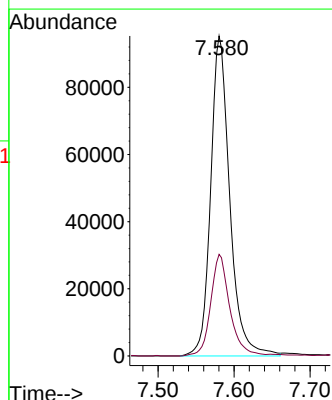
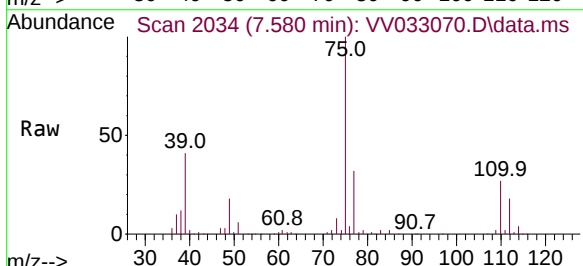
Acq: 24 Nov 2023 13:40

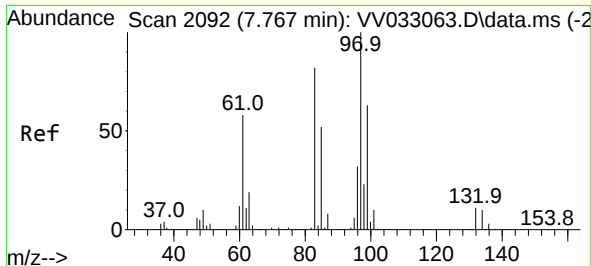
Tgt Ion: 75 Resp: 166398

Ion Ratio Lower Upper

75 100

77 31.7 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 45.921 ug/L

RT: 7.770 min Scan# 2092

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 107783

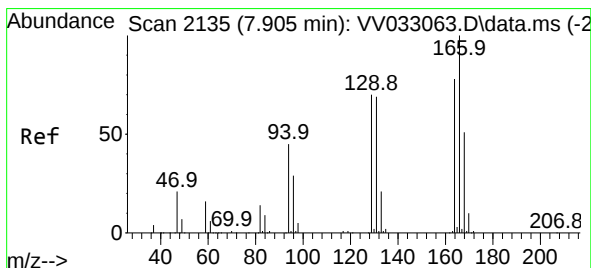
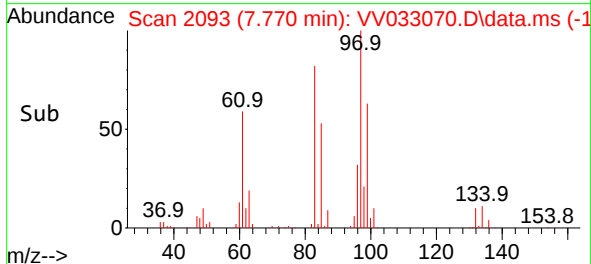
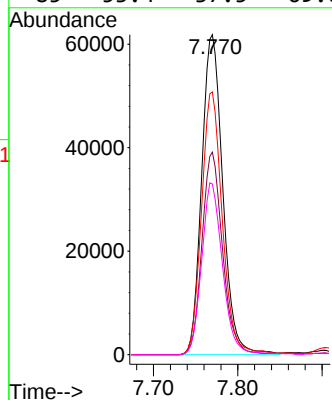
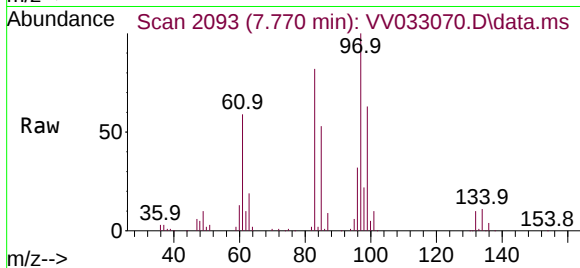
Ion Ratio Lower Upper

97 100

99 63.3 43.5 80.9

83 82.1 55.6 103.2

85 53.4 37.5 69.6



#46

Tetrachloroethene

Concen: 44.810 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Tgt Ion:164 Resp: 93458

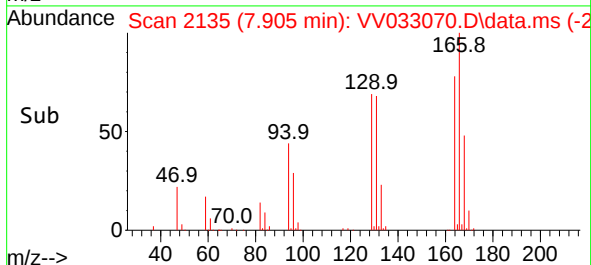
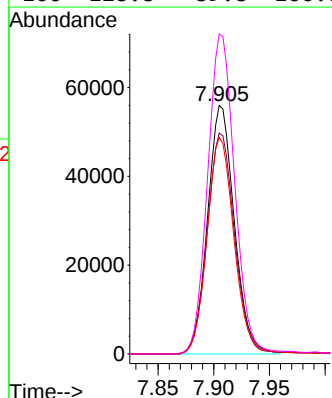
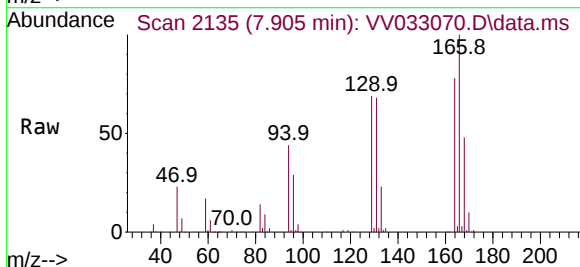
Ion Ratio Lower Upper

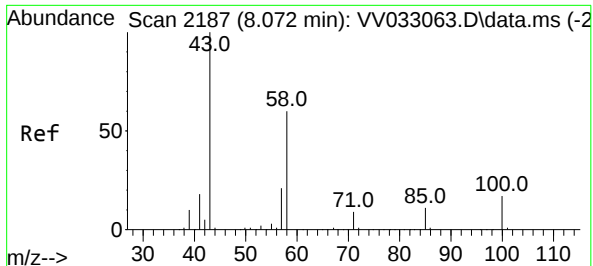
164 100

129 88.9 65.7 122.1

131 87.2 62.5 116.1

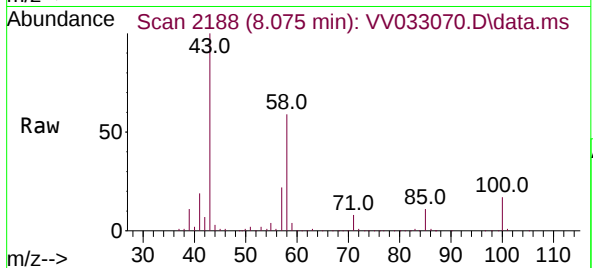
166 128.8 89.8 166.8



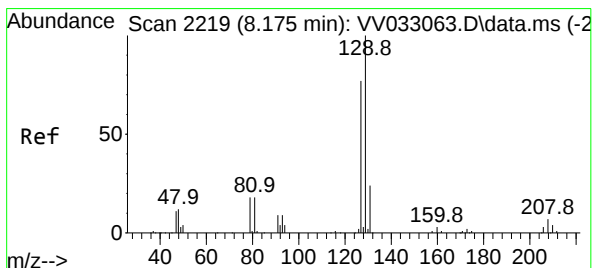
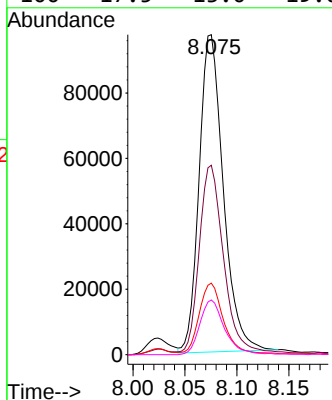
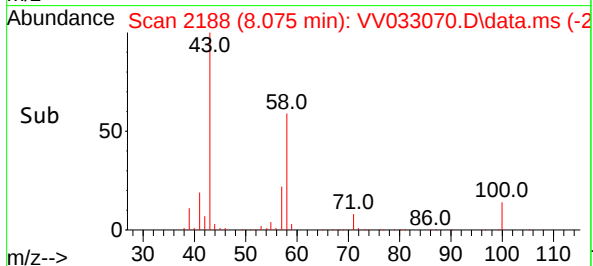


#48
2-Hexanone
Concen: 87.066 ug/L
RT: 8.075 min Scan# 2187
Delta R.T. 0.003 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Instrument :
MSVOA_V
ClientSampleId :

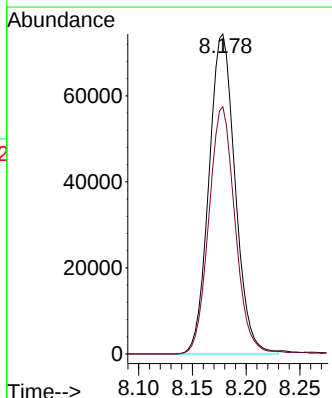
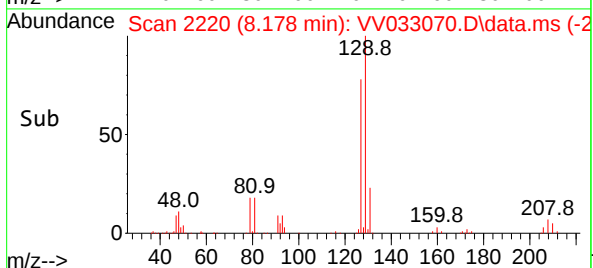
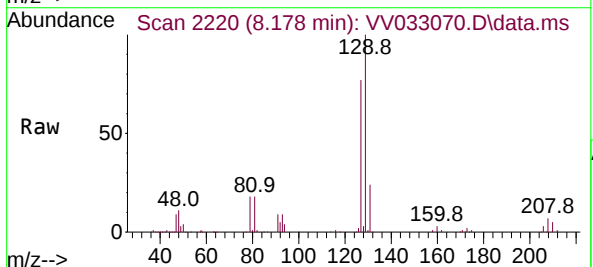


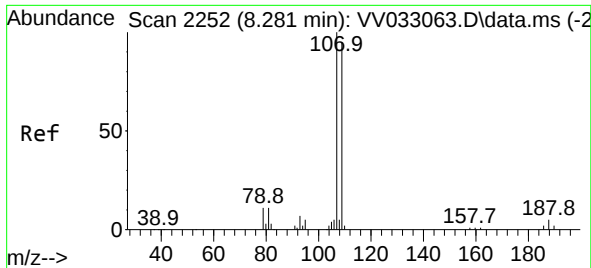
Tgt Ion: 43	Resp: 157027
Ion Ratio	Lower Upper
43 100	
58 60.8	47.0 70.6
57 22.6	17.0 25.6
100 17.5	13.0 19.6



#49
Dibromochloromethane
Concen: 46.659 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Tgt Ion:129	Resp: 126220		
Ion Ratio	Lower	Upper	
129 100			
127 77.3	54.4	101.0	

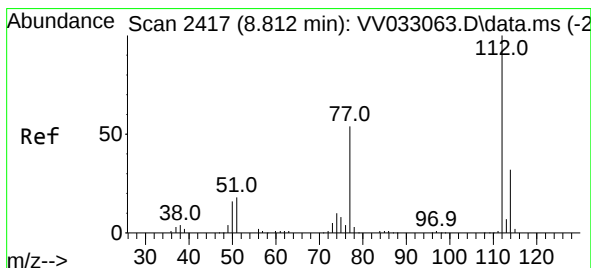
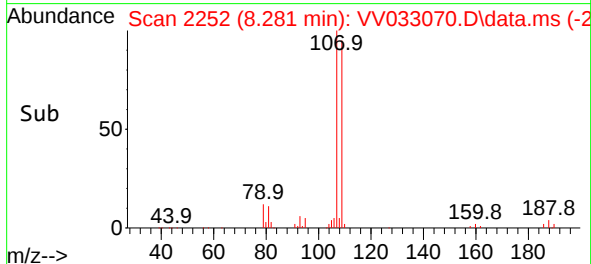
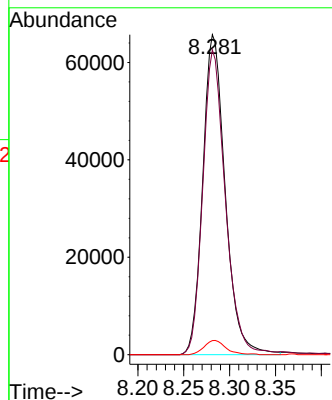
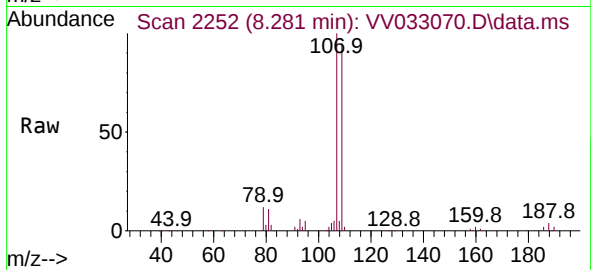




#50
1,2-Dibromoethane
Concen: 45.678 ug/L
RT: 8.281 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

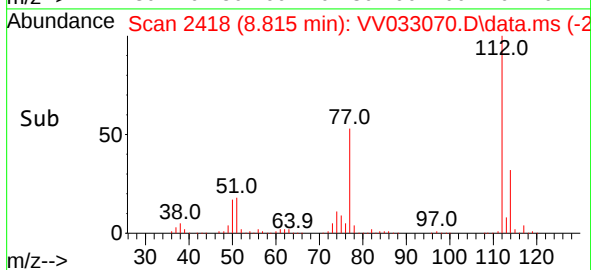
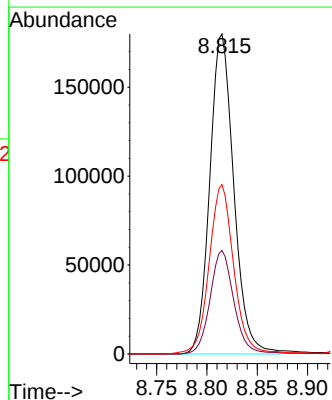
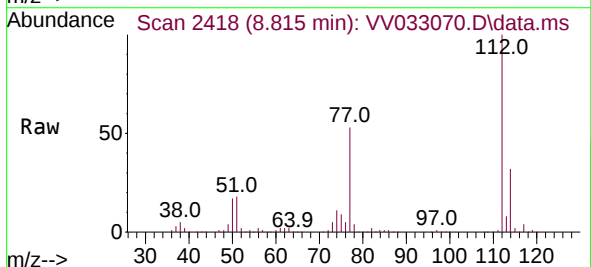
Instrument :
MSVOA_V
ClientSampleId :

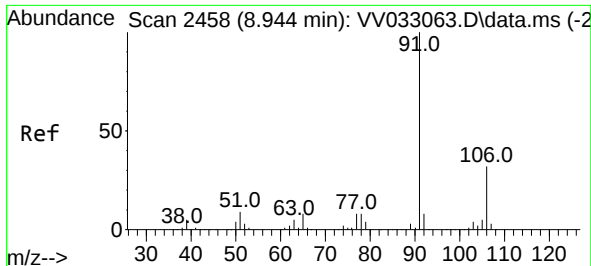
Tgt Ion:107 Resp: 112286
Ion Ratio Lower Upper
107 100
109 95.3 67.3 125.1
188 4.4 3.3 4.9



#51
Chlorobenzene
Concen: 44.765 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.003 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Tgt Ion:112 Resp: 298863
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.5
77 52.9 43.0 64.6

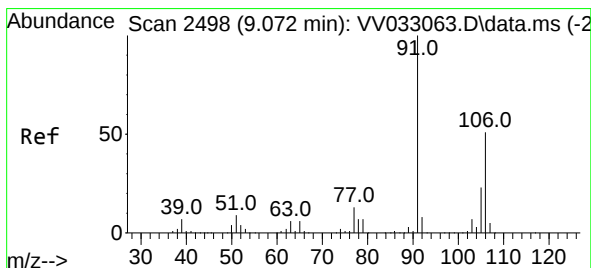
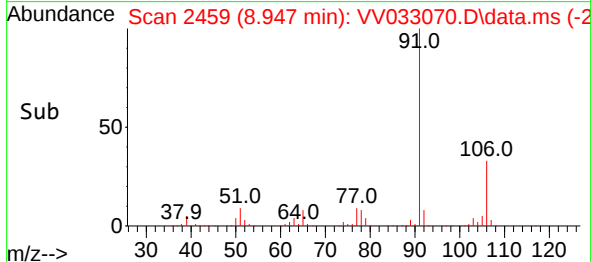
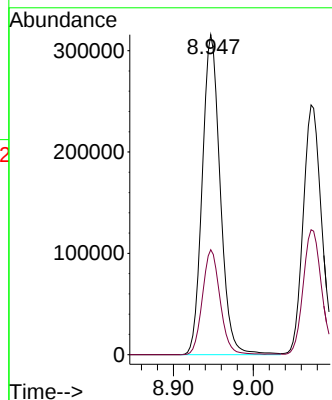
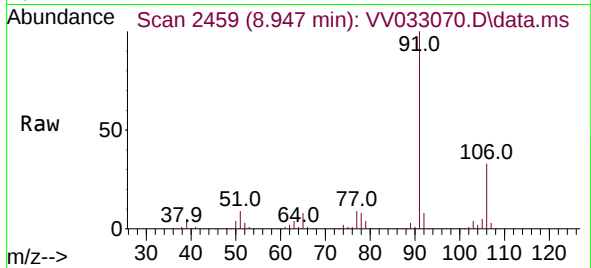




#52
Ethylbenzene
Concen: 45.730 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

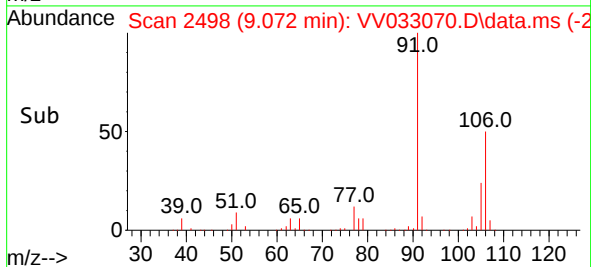
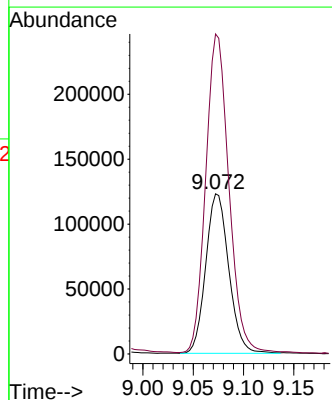
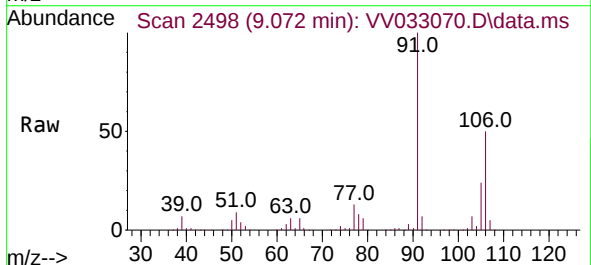
Instrument :
MSVOA_V
ClientSampleId :

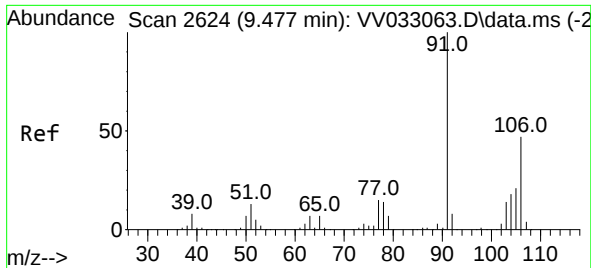
Tgt Ion: 91 Resp: 493910
Ion Ratio Lower Upper
91 100
106 32.8 22.1 41.1



#53
m,p-Xylene
Concen: 46.165 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Tgt Ion:106 Resp: 195900
Ion Ratio Lower Upper
106 100
91 199.7 138.6 257.4

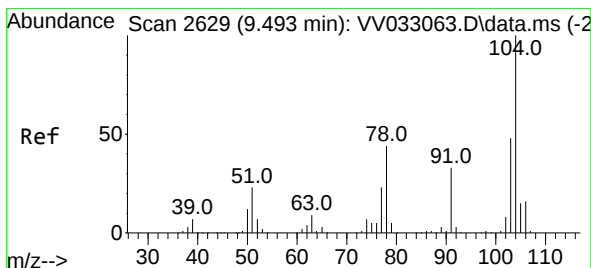
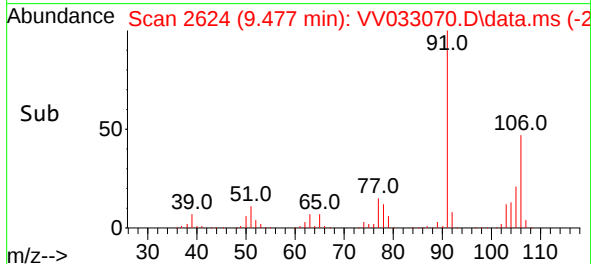
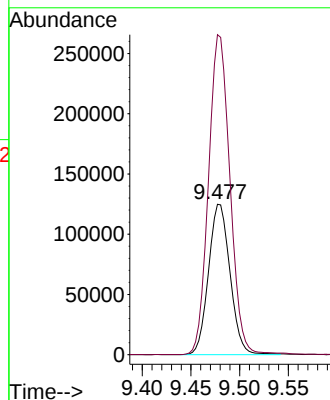
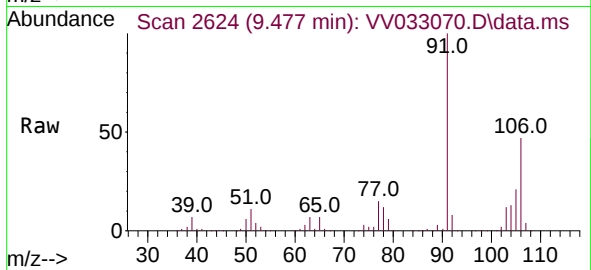




#54
o-Xylene
Concen: 47.050 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

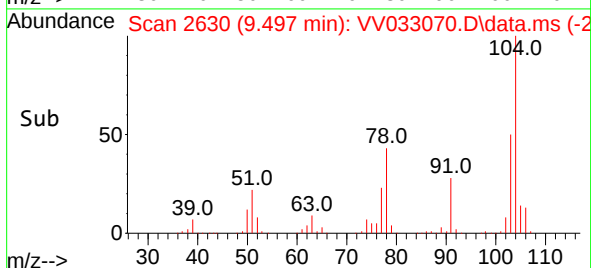
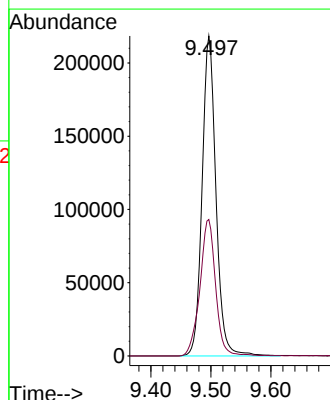
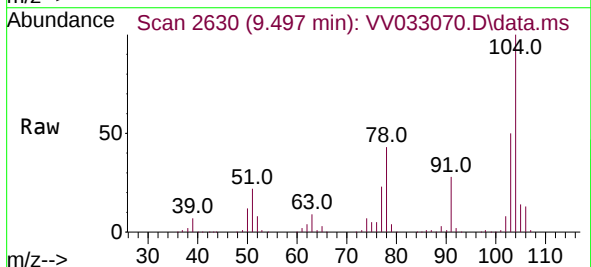
Instrument :
MSVOA_V
ClientSampleId :

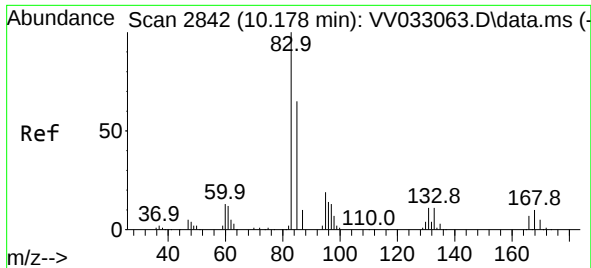
Tgt Ion:106 Resp: 192188
Ion Ratio Lower Upper
106 100
91 212.7 147.3 273.5



#55
Styrene
Concen: 48.339 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Tgt Ion:104 Resp: 352223
Ion Ratio Lower Upper
104 100
78 42.7 30.2 56.2

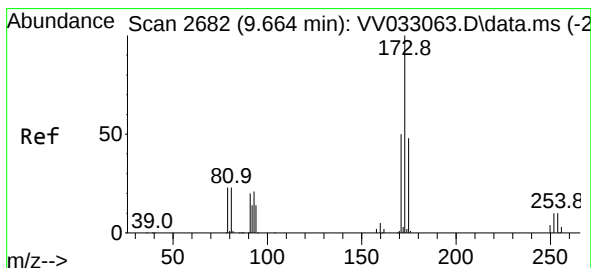
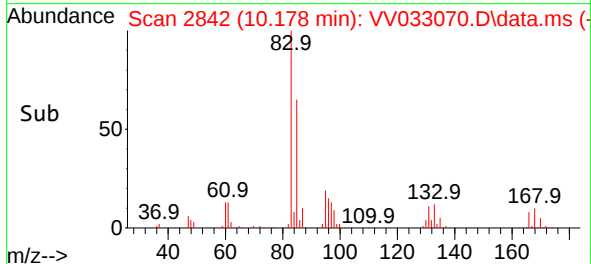
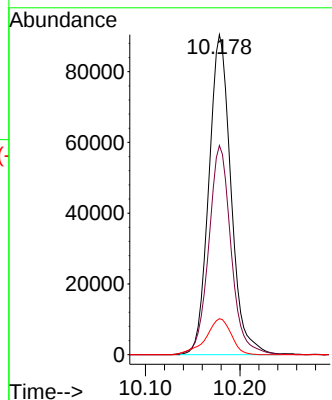
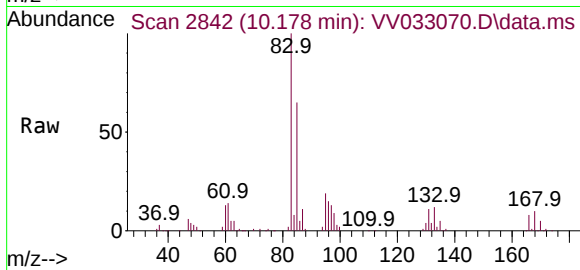




#57
1,1,2,2-Tetrachloroethane
Concen: 44.298 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

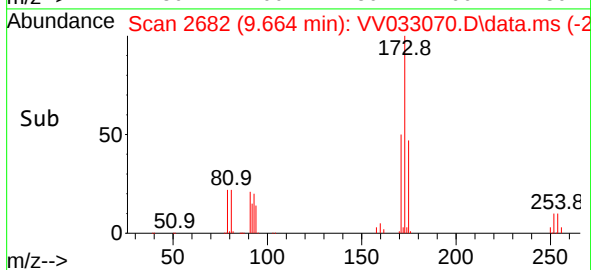
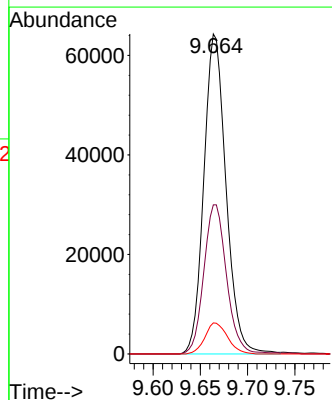
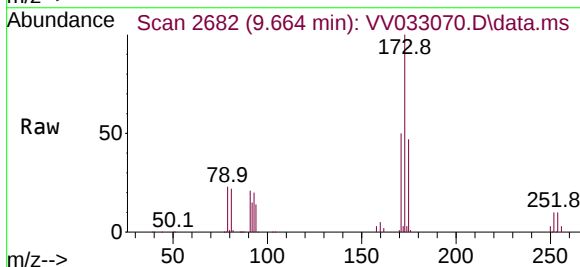
Instrument :
MSVOA_V
ClientSampleId :

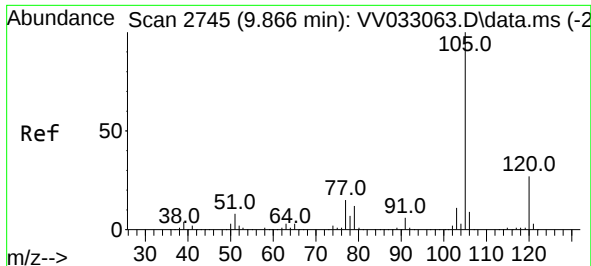
Tgt Ion: 83 Resp: 146878
Ion Ratio Lower Upper
83 100
85 65.3 45.8 85.2
131 11.3 9.4 14.0



#59
Bromoform
Concen: 46.943 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Tgt Ion: 173 Resp: 105157
Ion Ratio Lower Upper
173 100
175 47.7 38.7 58.1
254 9.9 7.9 11.9

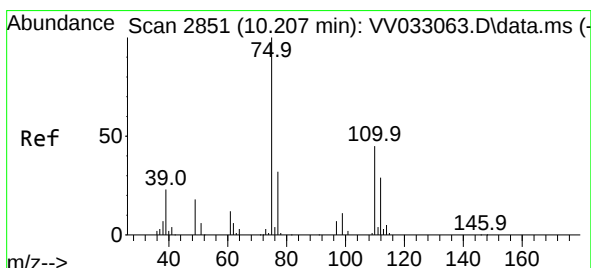
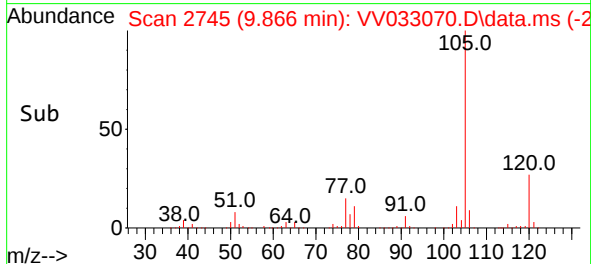
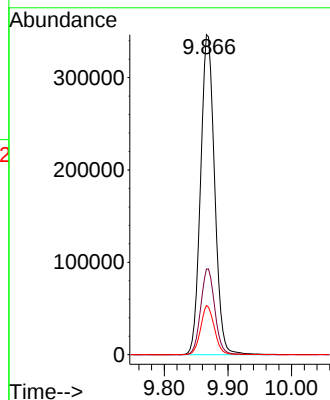
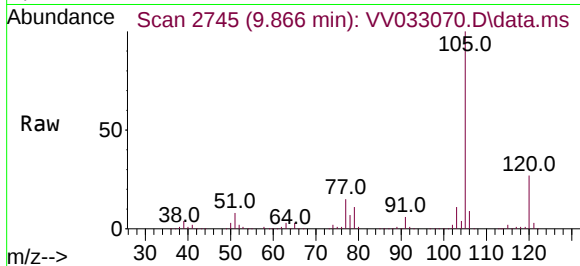




#60
Isopropylbenzene
Concen: 45.598 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

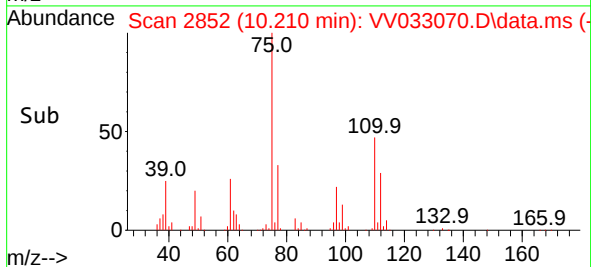
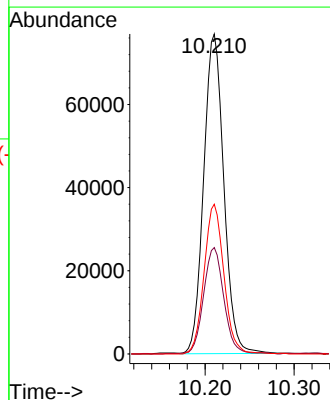
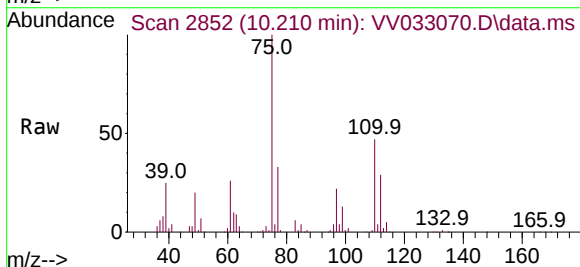
Instrument :
MSVOA_V
ClientSampleId :

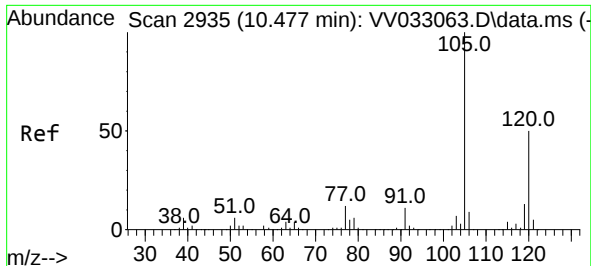
Tgt Ion:105 Resp: 531325
Ion Ratio Lower Upper
105 100
120 27.0 21.4 32.2
77 15.0 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 43.480 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Tgt Ion: 75 Resp: 120566
Ion Ratio Lower Upper
75 100
77 32.8 26.2 39.2
110 46.1 36.2 54.4





#62

1,3,5-Trimethylbenzene

Concen: 45.473 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

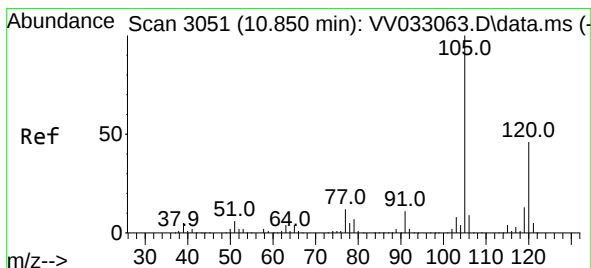
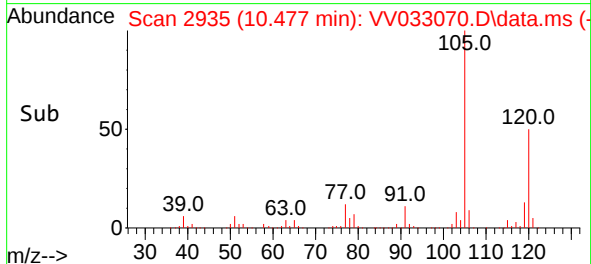
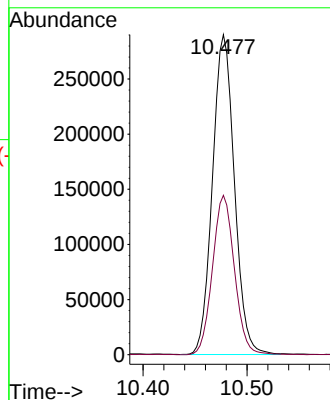
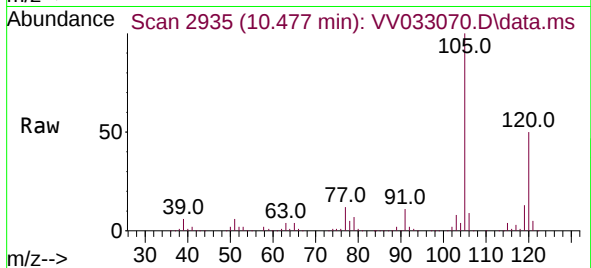
ClientSampleId :

Tgt Ion:105 Resp: 425122

Ion Ratio Lower Upper

105 100

120 49.8 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 45.745 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033070.D

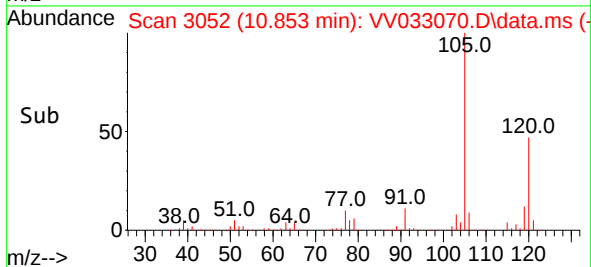
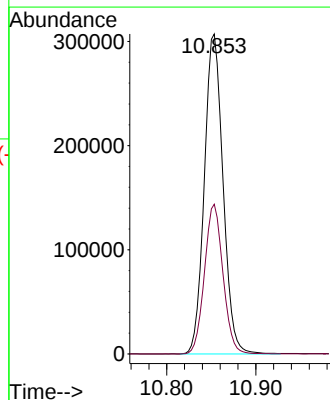
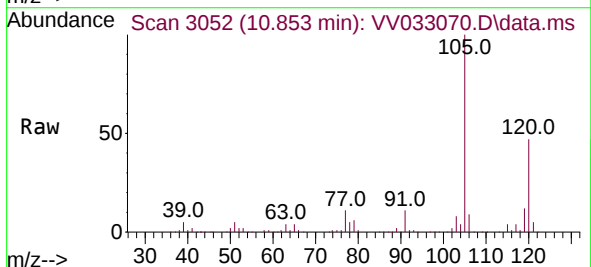
Acq: 24 Nov 2023 13:40

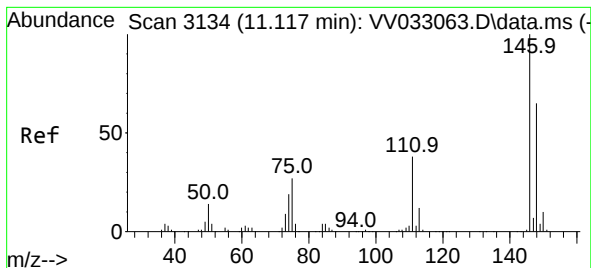
Tgt Ion:105 Resp: 448030

Ion Ratio Lower Upper

105 100

120 46.2 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 45.258 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

ClientSampleId :

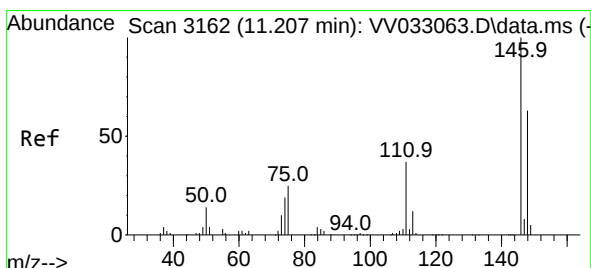
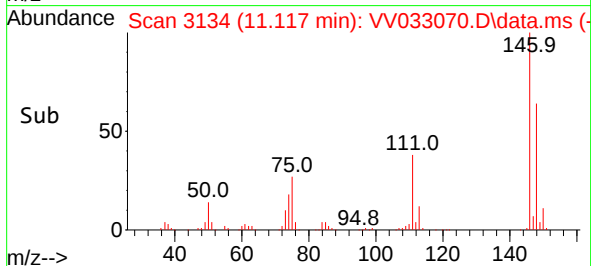
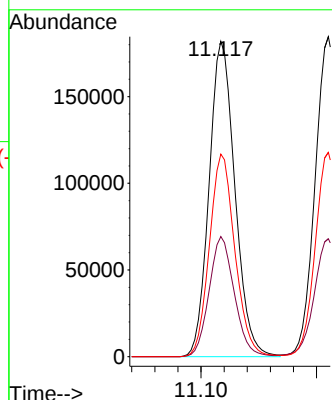
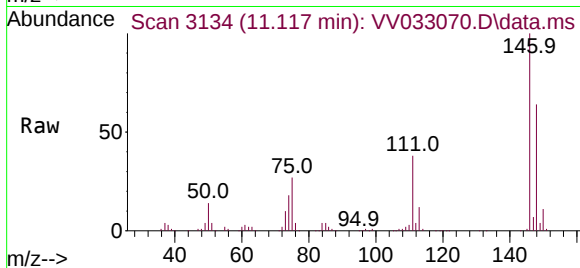
Tgt Ion:146 Resp: 282543

Ion Ratio Lower Upper

146 100

111 38.1 26.5 49.1

148 64.2 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 43.113 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

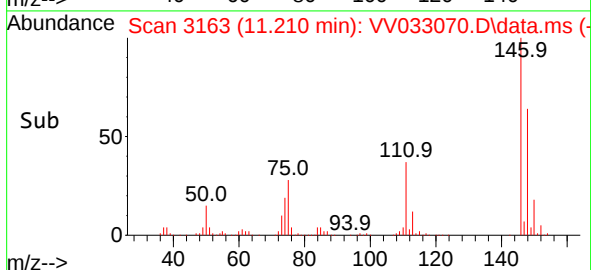
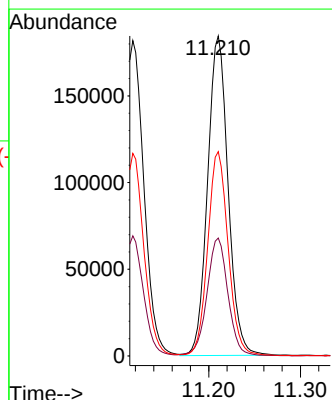
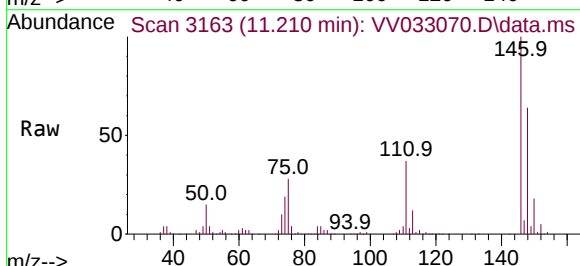
Tgt Ion:146 Resp: 286094

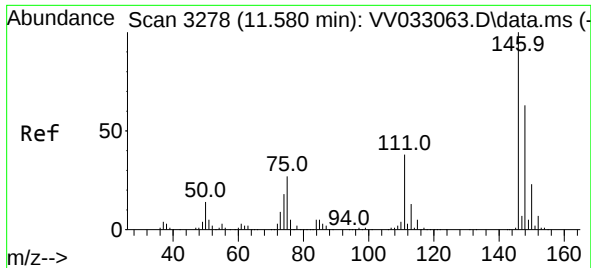
Ion Ratio Lower Upper

146 100

111 36.9 25.1 46.7

148 63.8 44.4 82.5

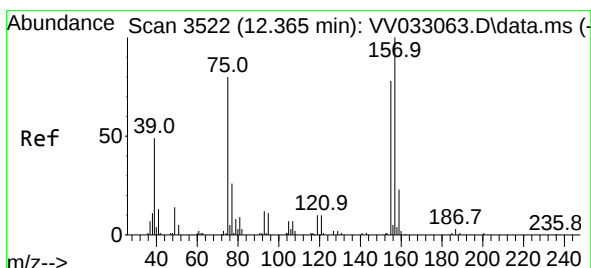
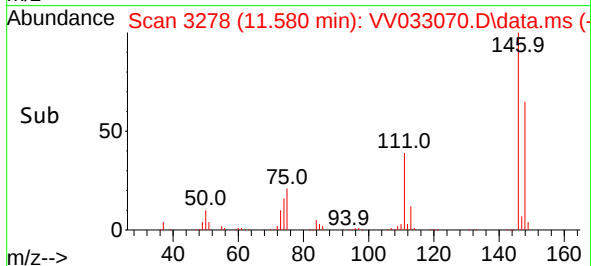
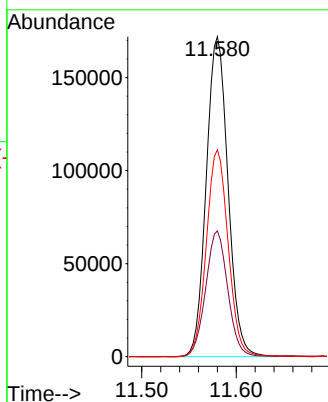
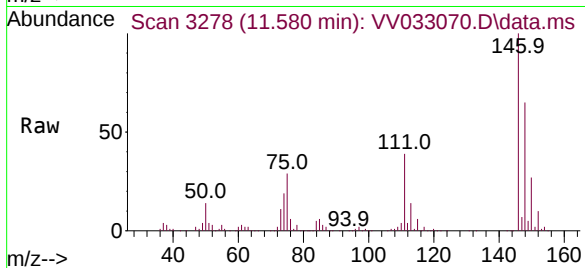




#67
1,2-Dichlorobenzene
Concen: 43.924 ug/L
RT: 11.580 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

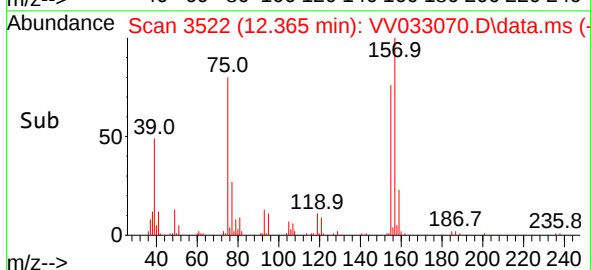
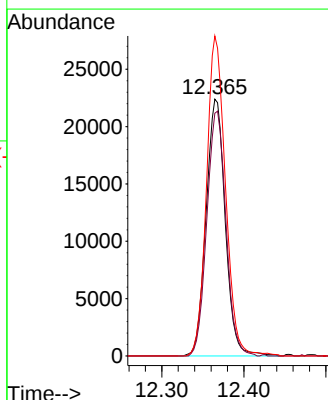
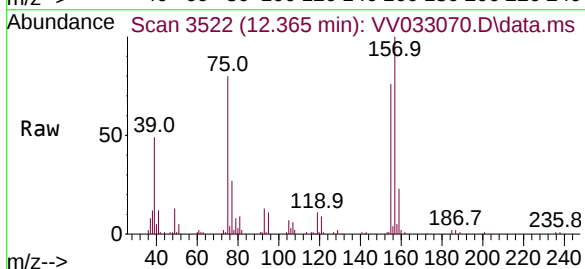
Instrument :
MSVOA_V
ClientSampleId :

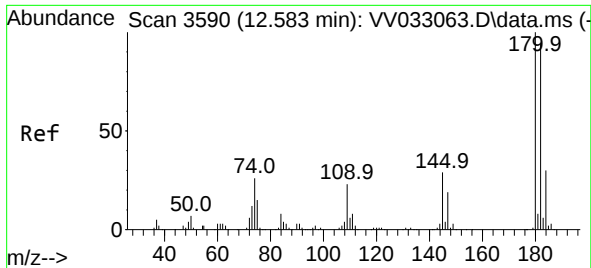
Tgt Ion:146 Resp: 275155
Ion Ratio Lower Upper
146 100
111 39.3 31.8 47.6
148 64.6 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 45.165 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. -0.000 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Tgt Ion: 75 Resp: 36433
Ion Ratio Lower Upper
75 100
155 94.5 79.8 119.8
157 124.6 102.5 153.7





#69

1,3,5-Trichlorobenzene

Concen: 44.903 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

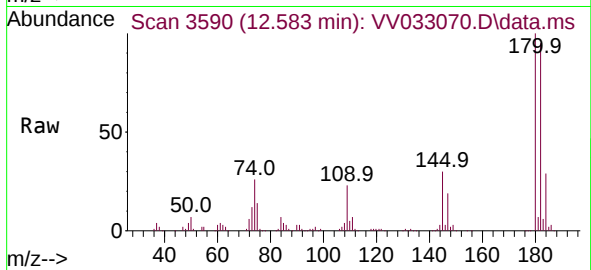
Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 217942

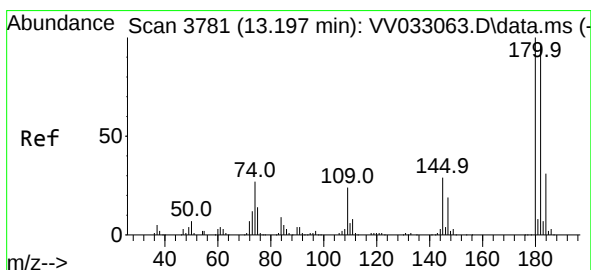
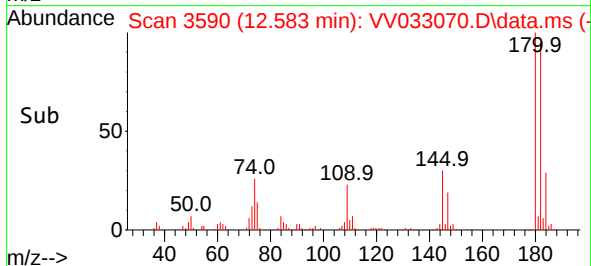
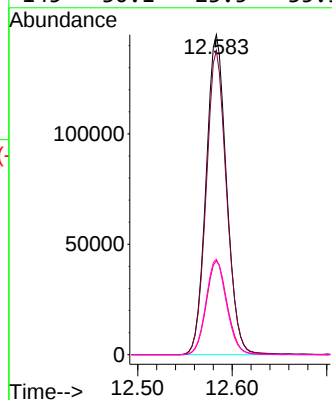
Ion Ratio Lower Upper

180 100

182 94.9 76.6 115.0

184 30.0 24.5 36.7

145 30.1 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 46.261 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033070.D

Acq: 24 Nov 2023 13:40

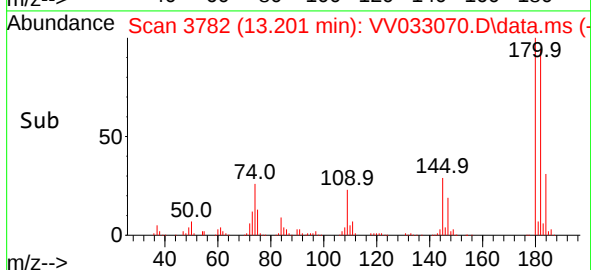
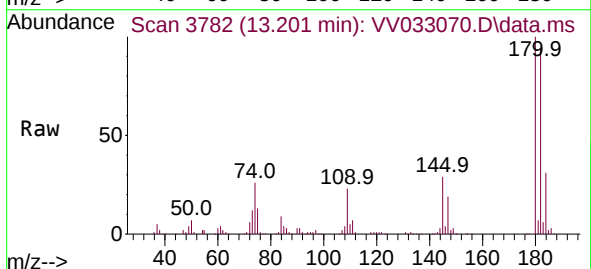
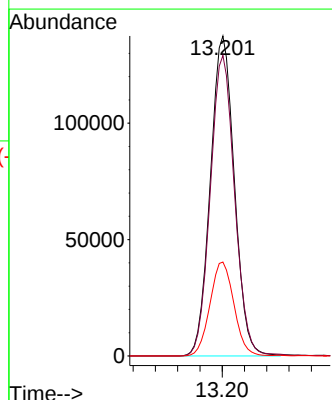
Tgt Ion:180 Resp: 205768

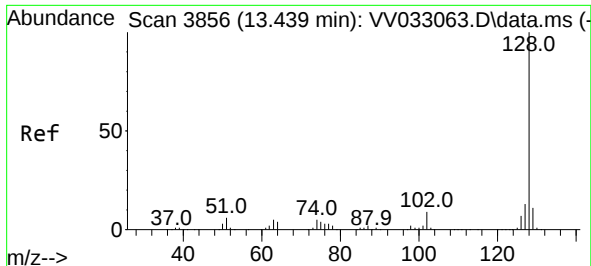
Ion Ratio Lower Upper

180 100

182 94.9 76.8 115.2

145 29.3 23.2 34.8

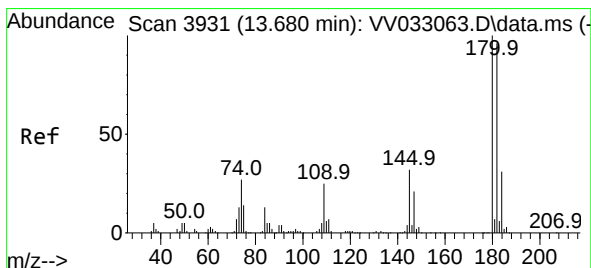
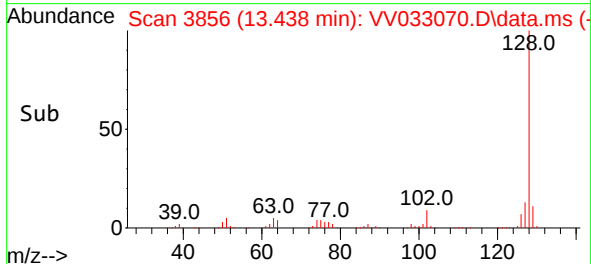
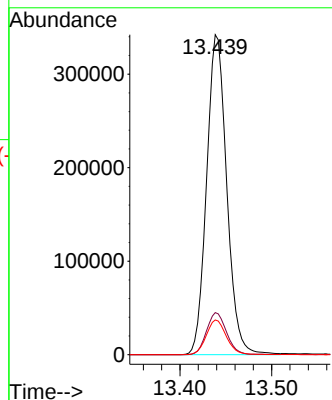
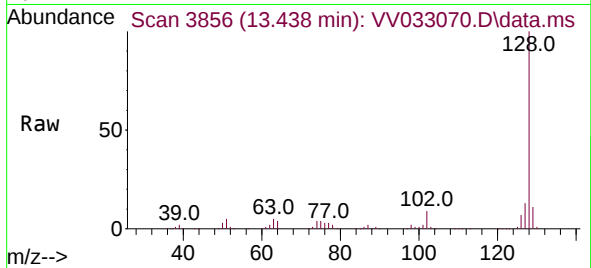




#71
Naphthalene
Concen: 47.560 ug/L
RT: 13.438 min Scan# 3856
Delta R.T. -0.000 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 523238
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 48.141 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.003 min
Lab File: VV033070.D
Acq: 24 Nov 2023 13:40

Tgt Ion:180 Resp: 207609
Ion Ratio Lower Upper
180 100
182 95.3 76.6 114.8
145 31.1 25.5 38.3

