

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112423\
 Data File : VW033063.D
 Acq On : 24 Nov 2023 10:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 00:51:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 22 03:48:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	325821	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	320223	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	198813	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	65730	38.584	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.160%
7) Chloroethane-d5	1.532	69	50950	38.888	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.780%
11) 1,1-Dichloroethene-d2	2.060	65	28694	41.165	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.320%
21) 2-Butanone-d5	3.777	46	95867	88.449	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.450%
24) Chloroform-d	4.246	84	191725	45.667	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.340%
26) 1,2-Dichloroethane-d4	4.937	65	117503	44.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.740%
32) Benzene-d6	4.957	84	342004	45.862	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.720%
36) 1,2-Dichloropropane-d6	5.985	67	97030	45.885	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.780%
41) Toluene-d8	7.243	98	333464	46.843	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.680%
43) trans-1,3-Dichloroprop...	7.548	79	56351	45.646	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.300%
47) 2-Hexanone-d5	8.021	63	81453	93.084	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.080%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	142560	44.289	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.580%
66) 1,2-Dichlorobenzene-d4	11.561	152	163173	46.025	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	162225	46.086	ug/L	96
3) Chloromethane	1.217	50	107671	40.987	ug/L	99
5) Vinyl chloride	1.285	62	103268	42.377	ug/L	98
6) Bromomethane	1.487	94	66630	41.378	ug/L	98
8) Chloroethane	1.548	64	54264	40.260	ug/L	98
9) Trichlorofluoromethane	1.716	101	182329	46.216	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	88205	45.343	ug/L	96
12) 1,1-Dichloroethene	2.072	96	79522	44.274	ug/L	87
13) Acetone	2.108	43	81389	76.746	ug/L	99
14) Carbon disulfide	2.243	76	255028	42.692	ug/L	99
15) Methyl Acetate	2.371	43	77652	41.767	ug/L	98
16) Methylene chloride	2.449	84	107566	42.271	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	103104	44.854	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	330616	45.851	ug/L	99
19) 1,1-Dichloroethane	3.111	63	180464	43.950	ug/L	97
20) cis-1,2-Dichloroethene	3.812	96	117780	45.699	ug/L	99
22) 2-Butanone	3.857	43	107637	78.387	ug/L	98
23) Bromochloromethane	4.143	128	64448	45.463	ug/L	96
25) Chloroform	4.272	83	212492	45.978	ug/L	99

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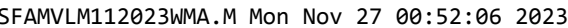
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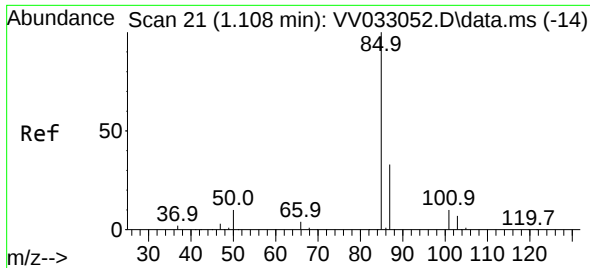
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 Quant Title : VOC Analysis
 QLast Update : Wed Nov 22 03:48:12 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	165818	45.992	ug/L	98
29) Cyclohexane	4.580	56	145542	47.108	ug/L	97
30) 1,1,1-Trichloroethane	4.510	97	201747	48.236	ug/L	100
31) Carbon tetrachloride	4.735	117	188287	48.308	ug/L	98
33) Benzene	5.008	78	426963	47.935	ug/L	100
34) Trichloroethene	5.831	95	121905	48.556	ug/L	98
35) Methylcyclohexane	6.050	83	178908	49.029	ug/L	98
37) 1,2-Dichloropropane	6.092	63	103964	47.554	ug/L	99
38) Bromodichloromethane	6.429	83	158763	46.738	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	179783	47.766	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	213247	89.173	ug/L	97
42) Toluene	7.313	91	482013	48.840	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	181773	48.061	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	114748	46.605	ug/L	98
46) Tetrachloroethene	7.905	164	105749	48.335	ug/L	98
48) 2-Hexanone	8.072	43	165898	87.689	ug/L	98
49) Dibromochloromethane	8.175	129	136689	48.169	ug/L	99
50) 1,2-Dibromoethane	8.281	107	122332	47.440	ug/L	99
51) Chlorobenzene	8.812	112	329982	47.117	ug/L	99
52) Ethylbenzene	8.944	91	553175	48.825	ug/L	100
53) m,p-Xylene	9.072	106	221051	49.659	ug/L	99
54) o-Xylene	9.477	106	211545	49.370	ug/L	98
55) Styrene	9.493	104	386073	50.509	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	154463	44.409	ug/L	100
59) Bromoform	9.664	173	112136	48.397	ug/L	99
60) Isopropylbenzene	9.866	105	596677	49.506	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	125533	43.769	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	476931	49.321	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	499173	49.275	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	311030	48.168	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	320461	46.689	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	306861	47.360	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	34973	41.916	ug/L	98
69) 1,3,5-Trichlorobenzene	12.583	180	244138	48.631	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	226055	49.135	ug/L	100
71) Naphthalene	13.439	128	540449	47.494	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	225299	50.509	ug/L	100

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

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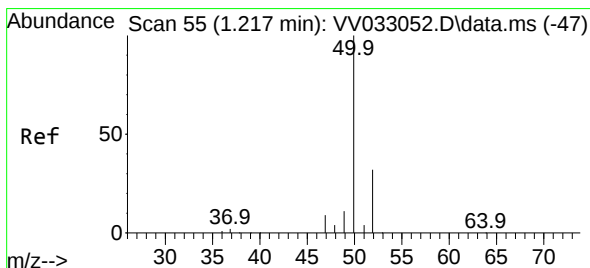
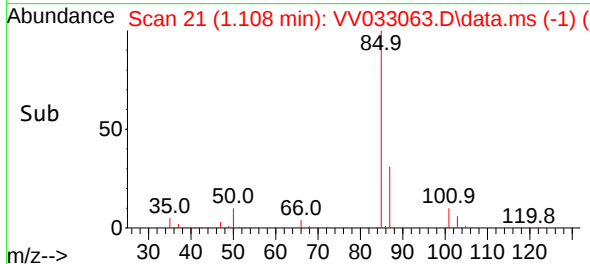
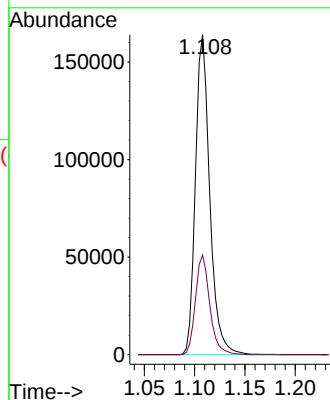
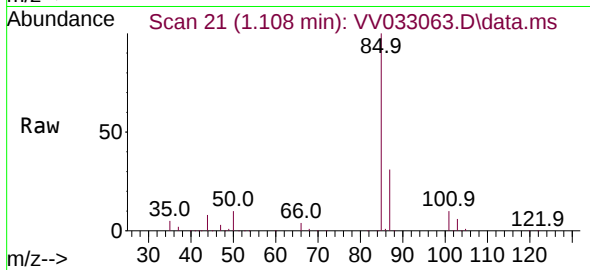




#2
 Dichlorodifluoromethane
 Concen: 46.086 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV033063.D
 Acq: 24 Nov 2023 10:04

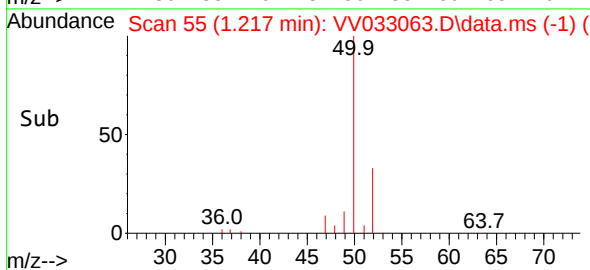
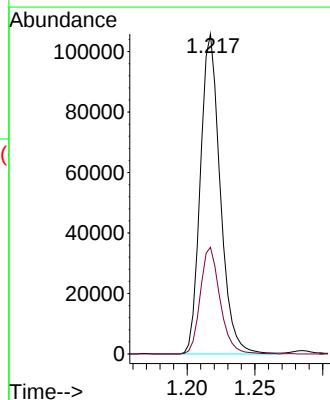
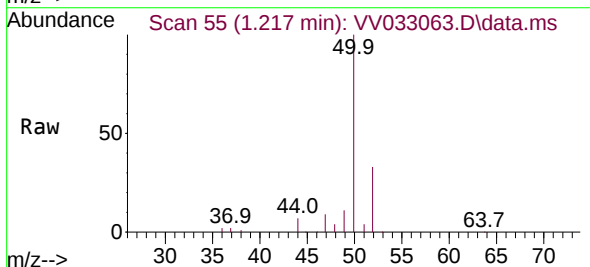
Instrument :
 MSVOA_V
 ClientSampleId :

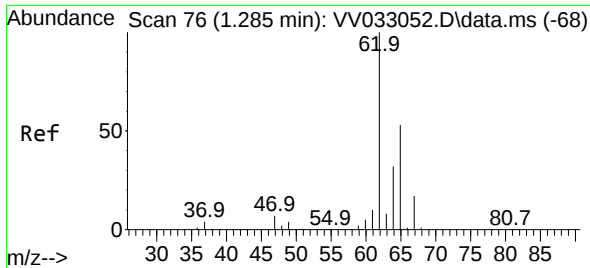
Tgt Ion: 85 Resp: 162225
 Ion Ratio Lower Upper
 85 100
 87 31.1 26.8 40.2



#3
 Chloromethane
 Concen: 40.987 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV033063.D
 Acq: 24 Nov 2023 10:04

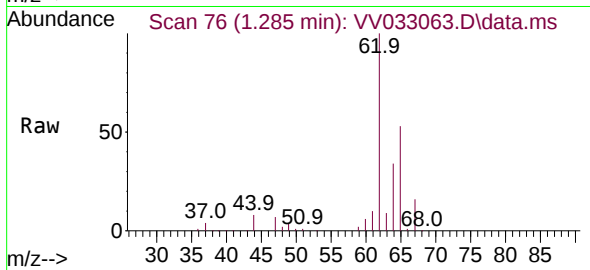
Tgt Ion: 50 Resp: 107671
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.7 42.3



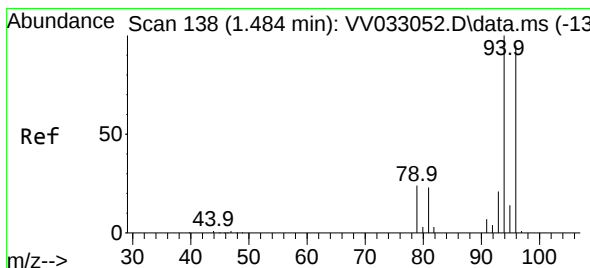
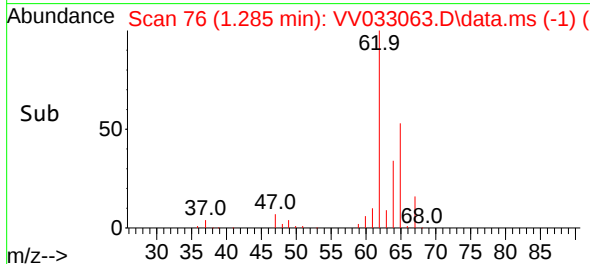
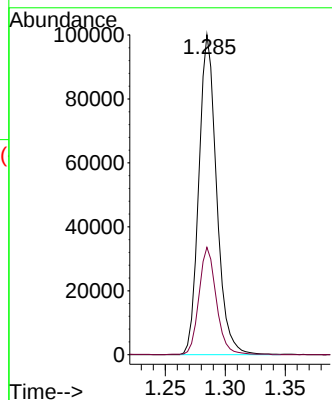


#5
 Vinyl chloride
 Concen: 42.377 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033063.D
 Acq: 24 Nov 2023 10:04

Instrument :
 MSVOA_V
 ClientSampleId :

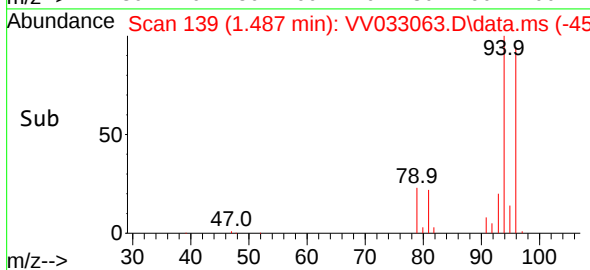
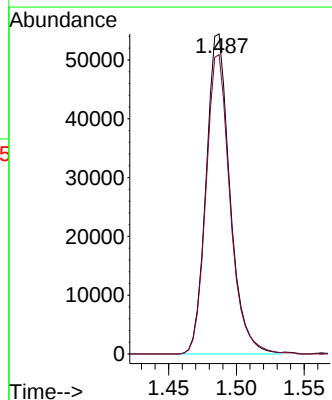
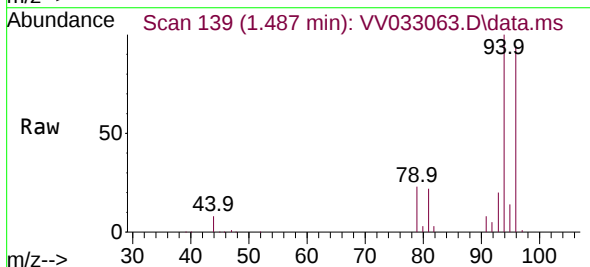


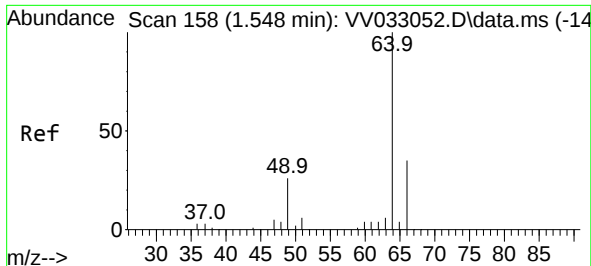
Tgt Ion: 62 Resp: 103268
 Ion Ratio Lower Upper
 62 100
 64 33.6 22.7 42.1



#6
 Bromomethane
 Concen: 41.378 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.003 min
 Lab File: VV033063.D
 Acq: 24 Nov 2023 10:04

Tgt Ion: 94 Resp: 66630
 Ion Ratio Lower Upper
 94 100
 96 93.5 64.4 119.6

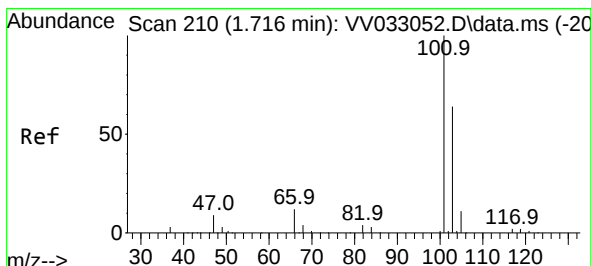
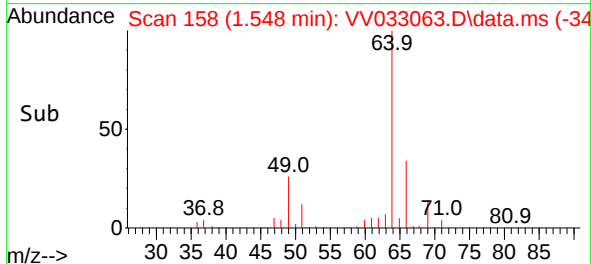
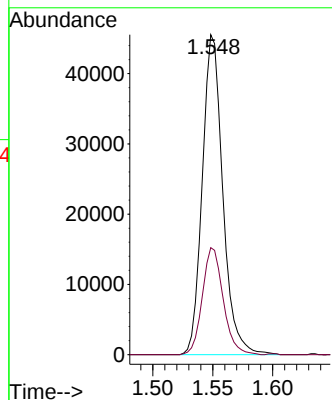
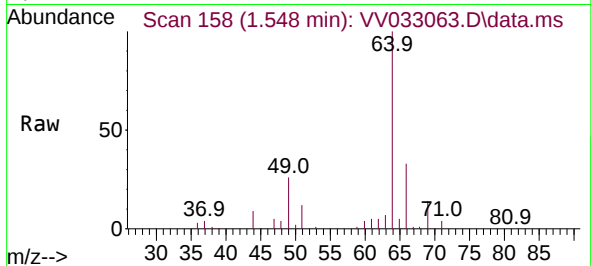




#8
Chloroethane
Concen: 40.260 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

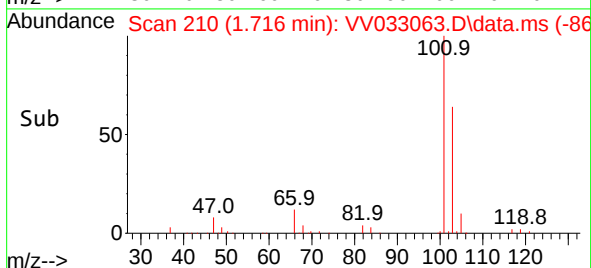
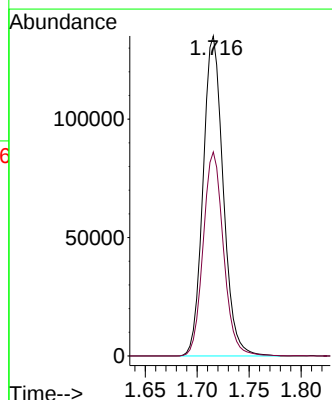
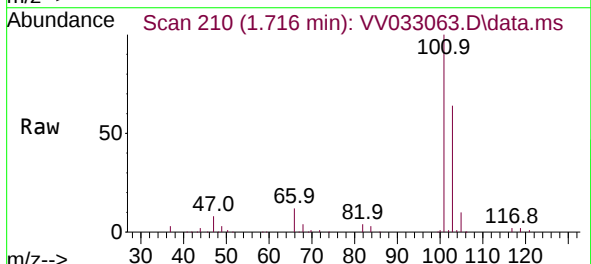
Instrument :
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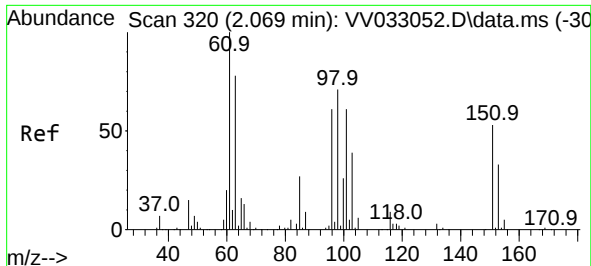
Tgt Ion: 64 Resp: 54264
Ion Ratio Lower Upper
64 100
66 33.5 22.8 42.4



#9
Trichlorofluoromethane
Concen: 46.216 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Tgt Ion:101 Resp: 182329
Ion Ratio Lower Upper
101 100
103 64.3 52.1 78.1

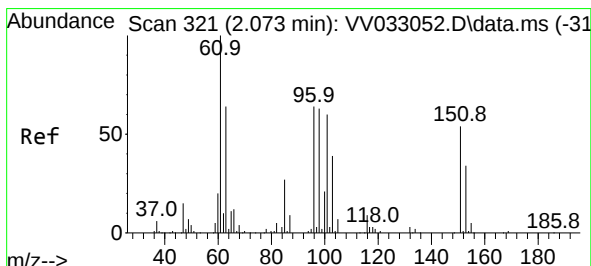
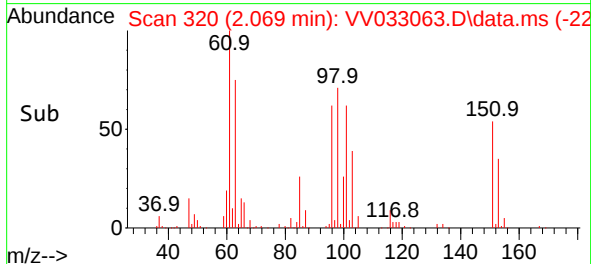
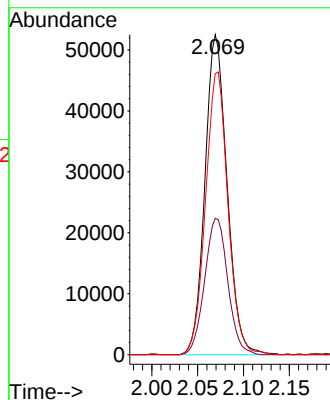
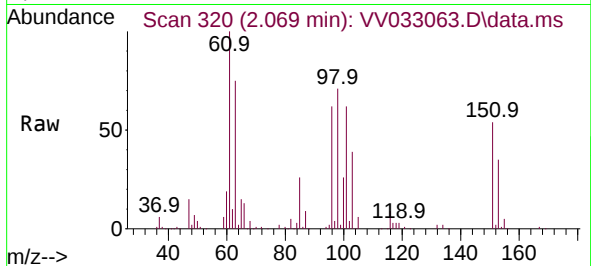




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.343 ug/L
RT: 2.069 min Scan# 310
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

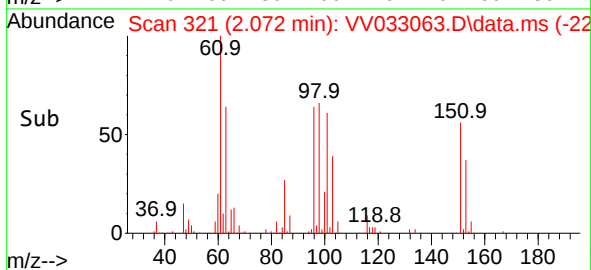
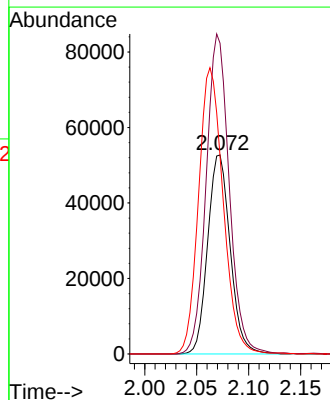
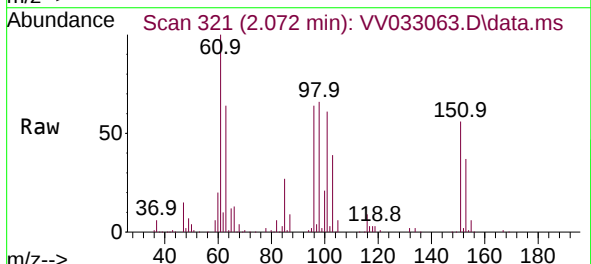
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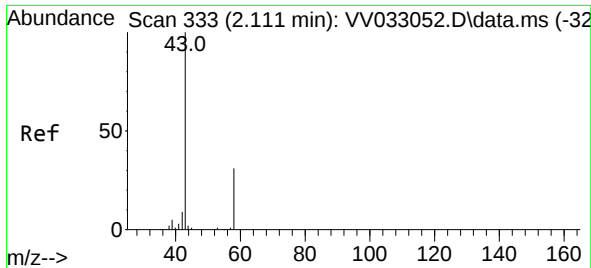
Tgt Ion:101 Resp: 88205
Ion Ratio Lower Upper
101 100
85 44.5 35.5 53.3
151 89.7 67.0 100.4



#12
1,1-Dichloroethene
Concen: 44.274 ug/L
RT: 2.072 min Scan# 321
Delta R.T. 0.003 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Tgt Ion: 96 Resp: 79522
Ion Ratio Lower Upper
96 100
61 156.1 116.6 216.6
63 99.4 84.8 157.4





#13

Acetone

Concen: 76.746 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

Instrument :

MSVOA_V

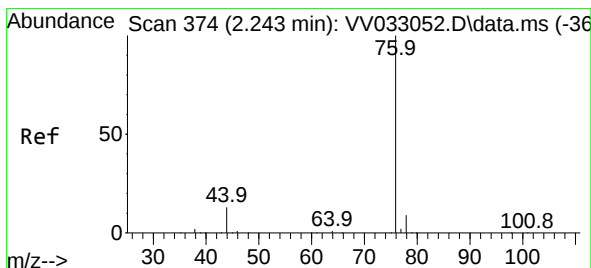
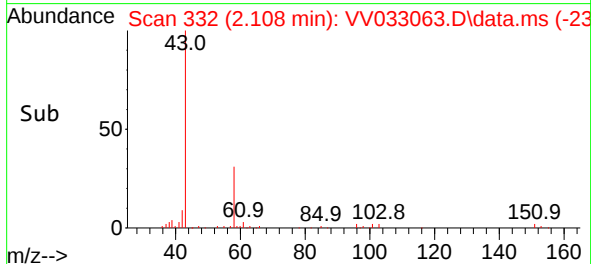
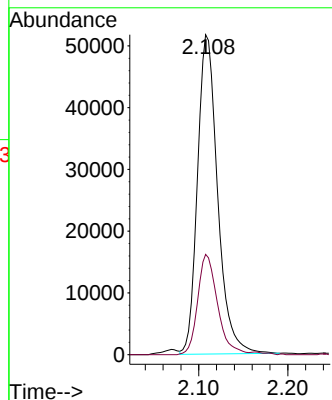
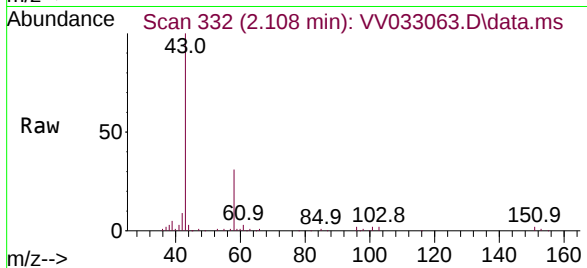
ClientSampleId :

Tgt Ion: 43 Resp: 81389

Ion Ratio Lower Upper

43 100

58 30.9 0.0 62.6



#14

Carbon disulfide

Concen: 42.692 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV033063.D

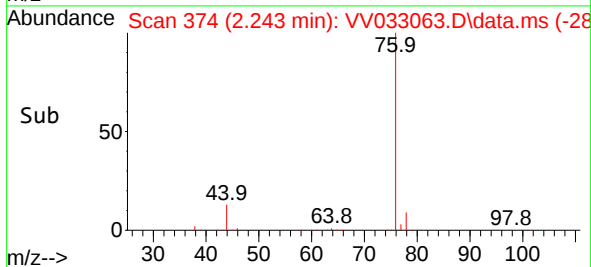
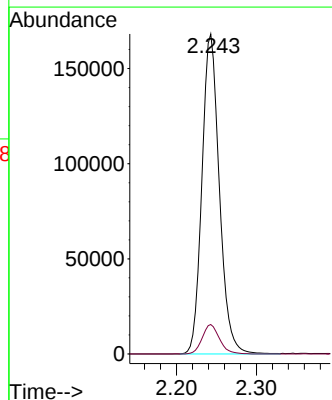
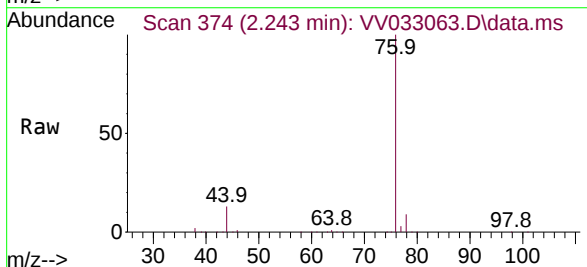
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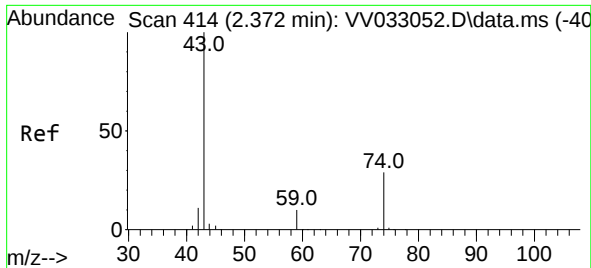
Tgt Ion: 76 Resp: 255028

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

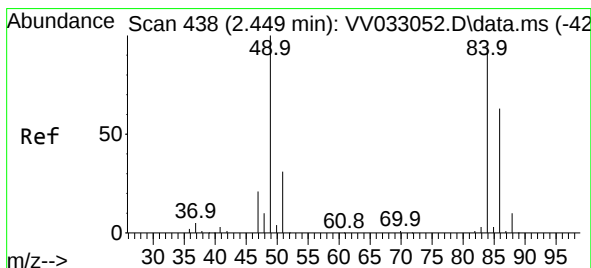
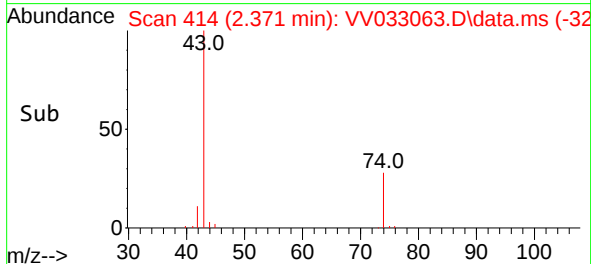
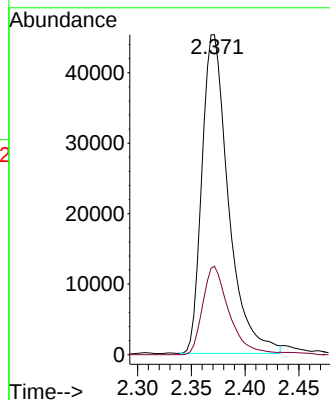
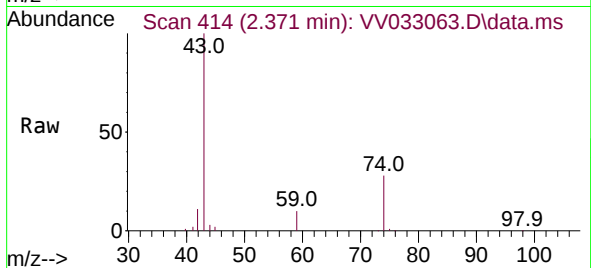




#15
Methyl Acetate
Concen: 41.767 ug/L
RT: 2.371 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

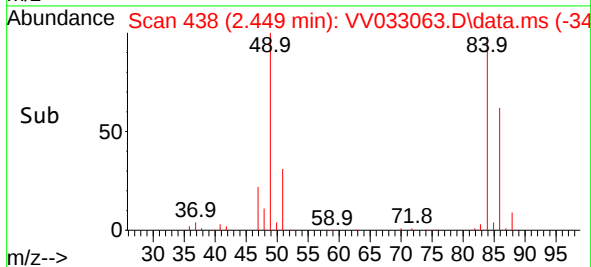
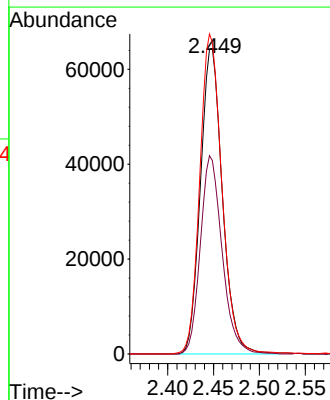
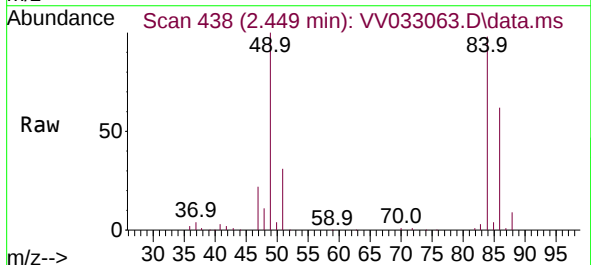
Instrument :
MSVOA_V
ClientSampleId :

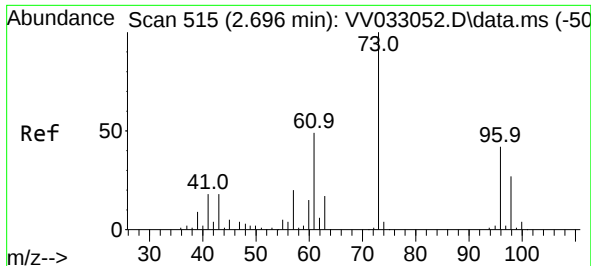
Tgt Ion: 43 Resp: 77652
Ion Ratio Lower Upper
43 100
74 27.5 22.7 34.1



#16
Methylene chloride
Concen: 42.271 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Tgt Ion: 84 Resp: 107566
Ion Ratio Lower Upper
84 100
86 63.3 44.7 83.1
49 101.9 76.6 142.3

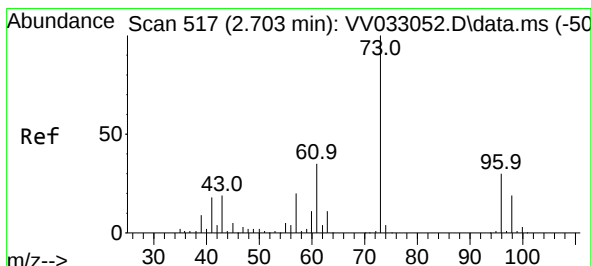
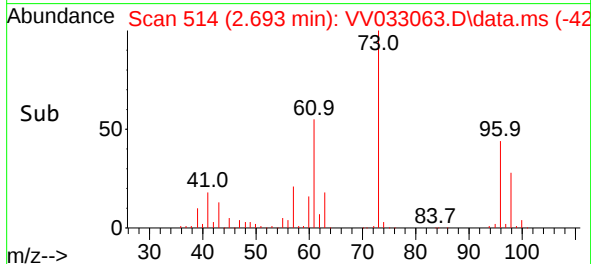
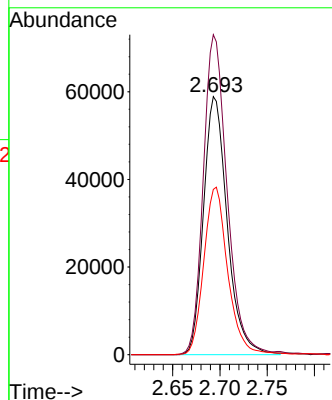
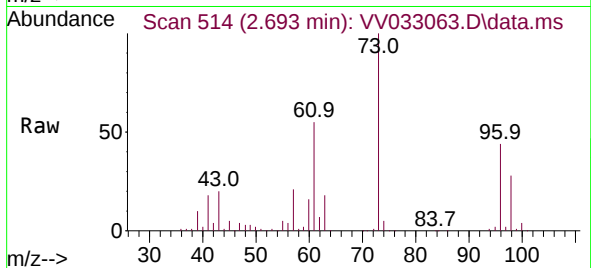




#17
trans-1,2-Dichloroethene
Concen: 44.854 ug/L
RT: 2.693 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

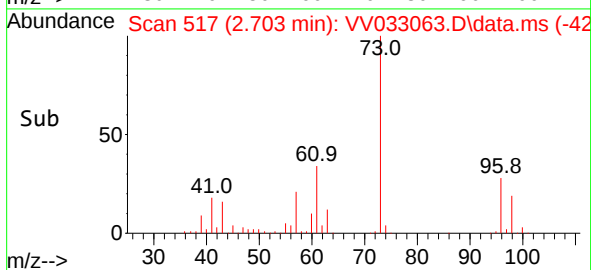
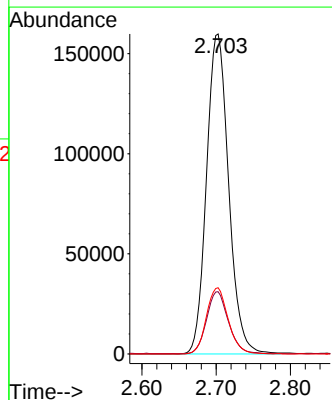
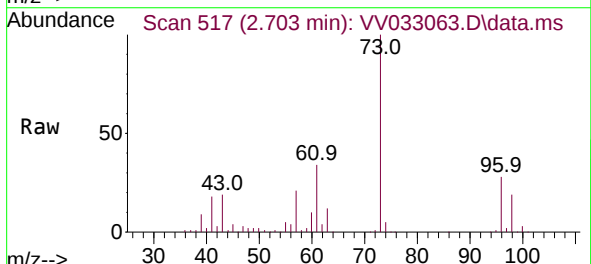
Instrument :
MSVOA_V
ClientSampleId :

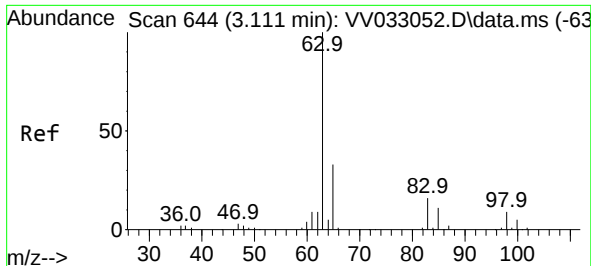
Tgt Ion: 96 Resp: 103104
Ion Ratio Lower Upper
96 100
61 124.0 89.5 166.3
98 64.0 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 45.851 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Tgt Ion: 73 Resp: 330616
Ion Ratio Lower Upper
73 100
43 19.1 15.2 22.8
57 20.3 15.8 23.8





#19

1,1-Dichloroethane

Concen: 43.950 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

Instrument :

MSVOA_V

ClientSampleId :

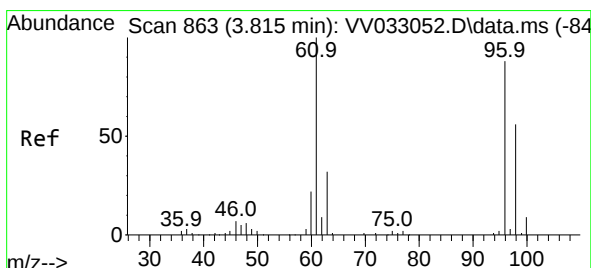
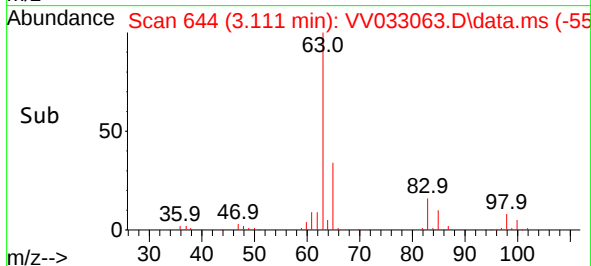
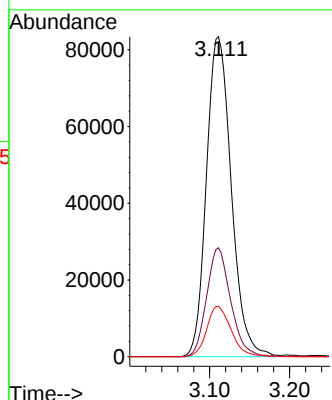
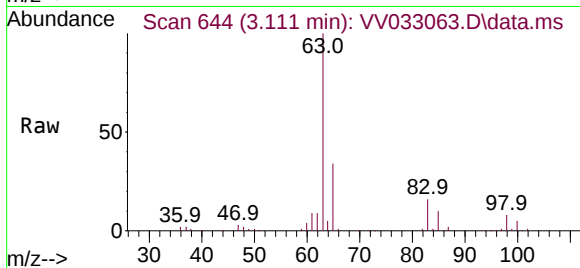
Tgt Ion: 63 Resp: 180464

Ion Ratio Lower Upper

63 100

65 34.1 22.4 41.6

83 15.7 10.7 19.9



#20

cis-1,2-Dichloroethene

Concen: 45.699 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

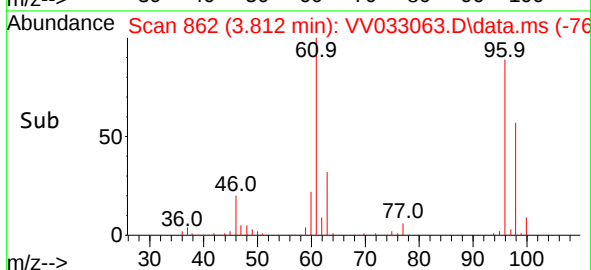
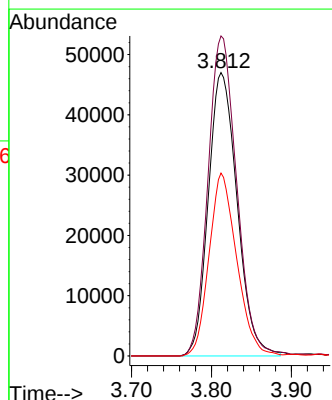
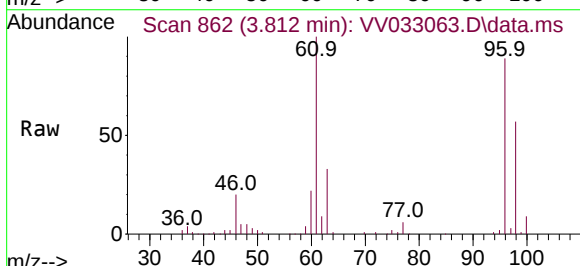
Tgt Ion: 96 Resp: 117780

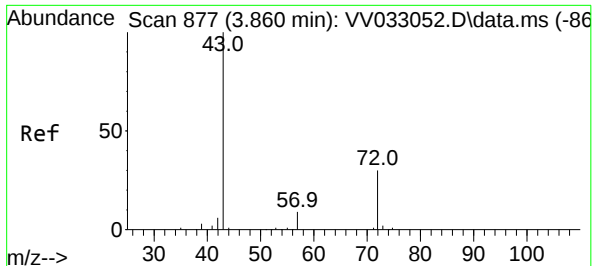
Ion Ratio Lower Upper

96 100

61 113.0 80.2 149.0

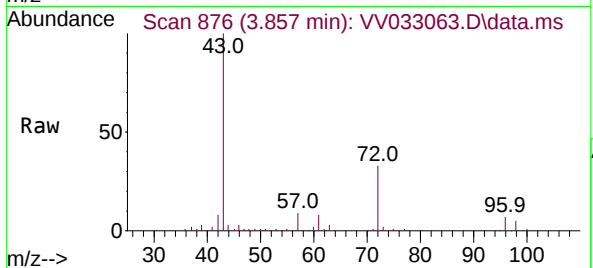
98 64.6 45.1 83.7



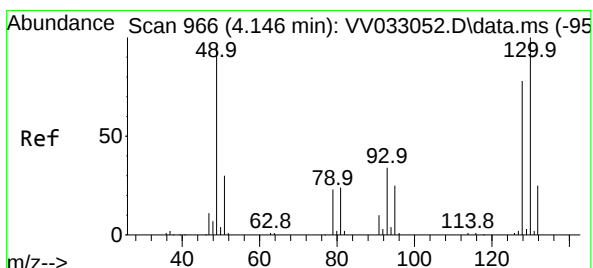
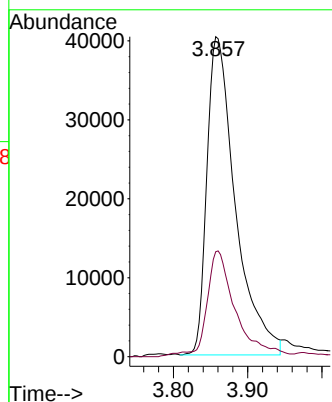
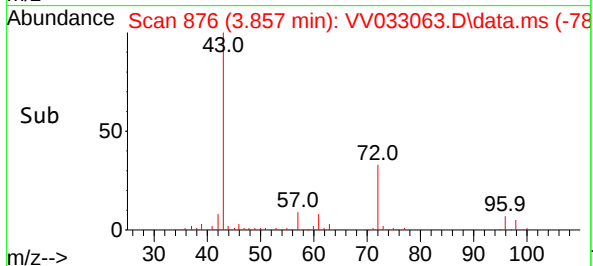


#22
2-Butanone
Concen: 78.387 ug/L
RT: 3.857 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Instrument :
MSVOA_V
ClientSampleId :

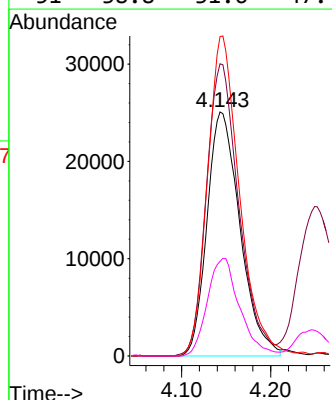
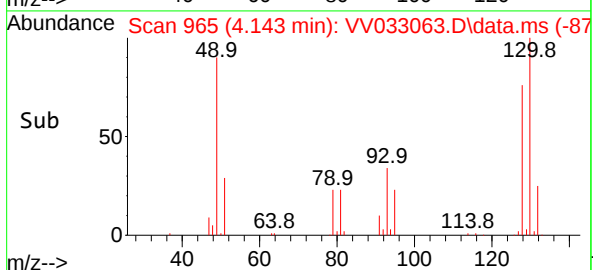
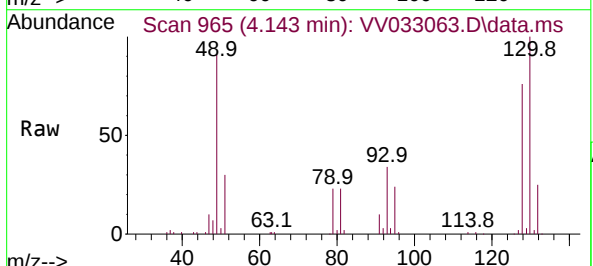


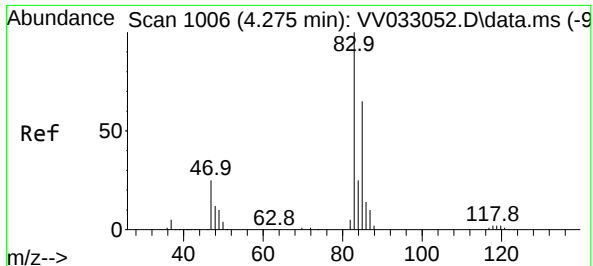
Tgt Ion: 43 Resp: 107637
Ion Ratio Lower Upper
43 100
72 26.5 13.9 41.7



#23
Bromochloromethane
Concen: 45.463 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.003 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Tgt Ion:128 Resp: 64448
Ion Ratio Lower Upper
128 100
49 119.7 87.1 161.7
130 130.9 88.1 163.5
51 38.8 31.6 47.4





#25

Chloroform

Concen: 45.978 ug/L

RT: 4.272 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

Instrument :

MSVOA_V

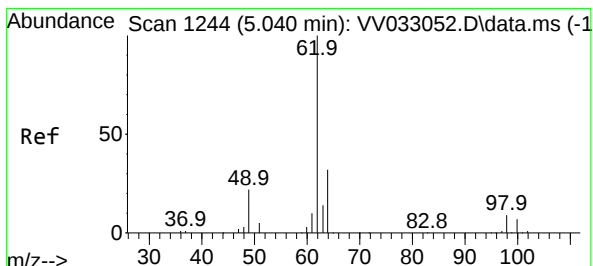
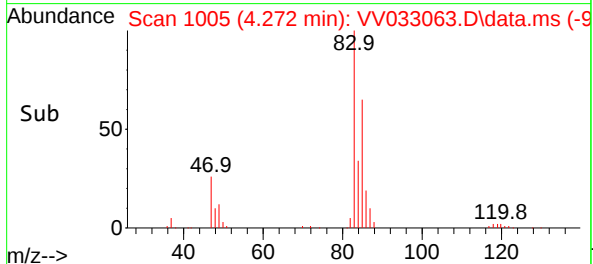
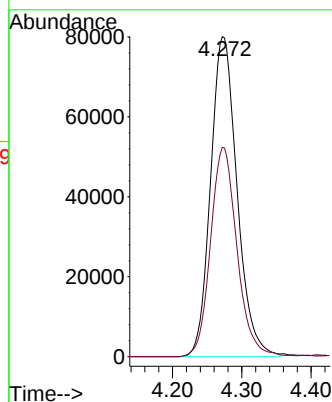
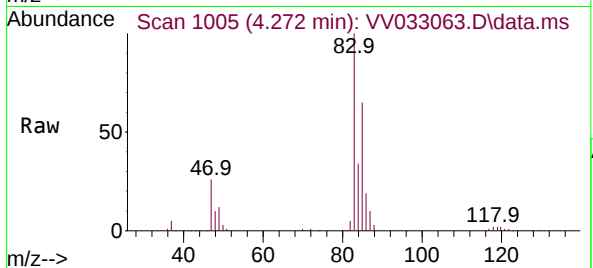
ClientSampleId :

Tgt Ion: 83 Resp: 212492

Ion Ratio Lower Upper

83 100

85 65.4 46.2 85.8



#27

1,2-Dichloroethane

Concen: 45.992 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VV033063.D

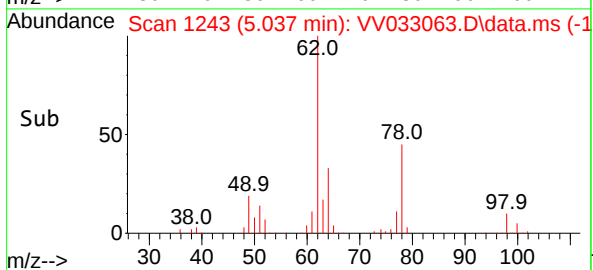
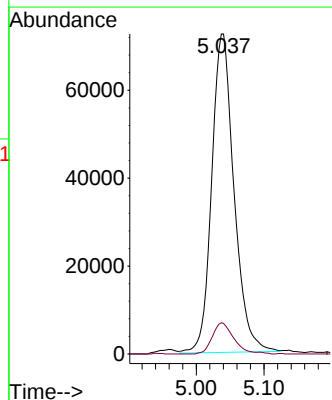
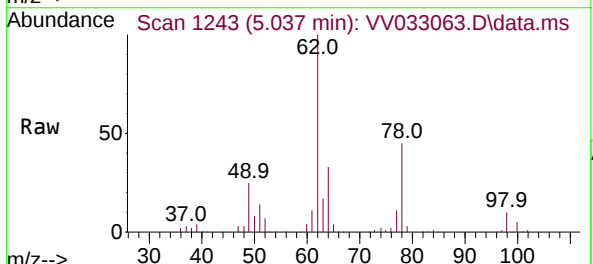
Acq: 24 Nov 2023 10:04

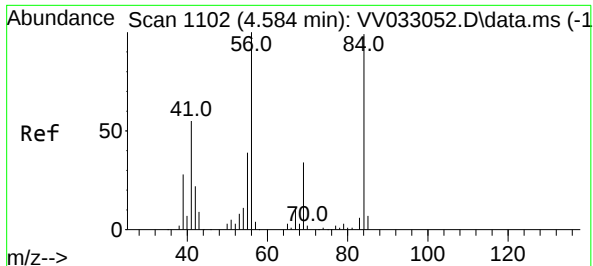
Tgt Ion: 62 Resp: 165818

Ion Ratio Lower Upper

62 100

98 9.8 8.3 12.5





#29

Cyclohexane

Concen: 47.108 ug/L

RT: 4.580 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

Instrument :

MSVOA_V

ClientSampleId :

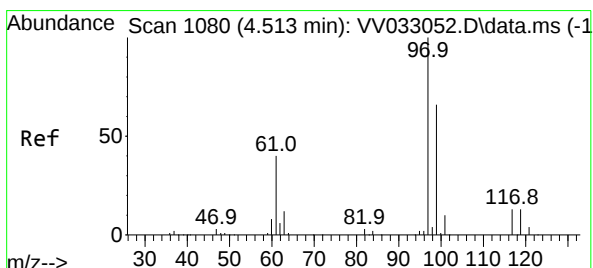
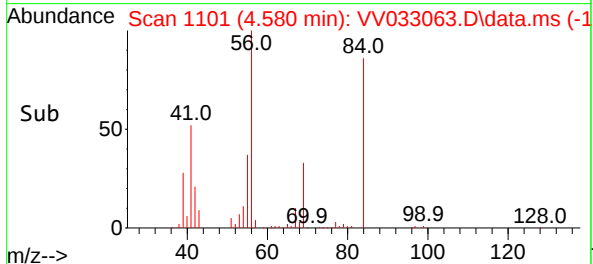
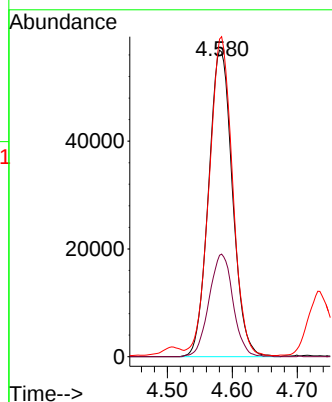
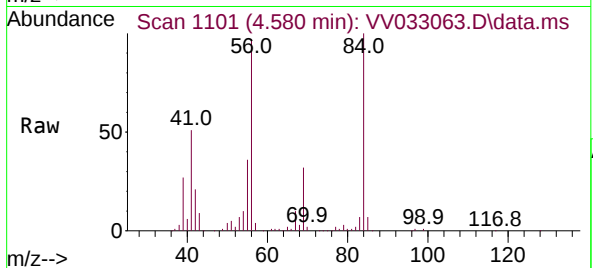
Tgt Ion: 56 Resp: 145542

Ion Ratio Lower Upper

56 100

69 33.4 26.7 40.1

84 101.6 78.1 117.1



#30

1,1,1-Trichloroethane

Concen: 48.236 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

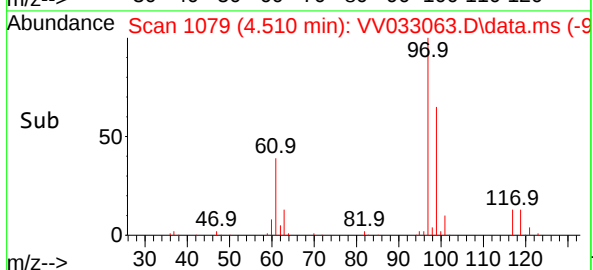
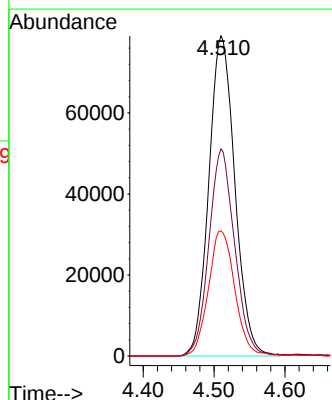
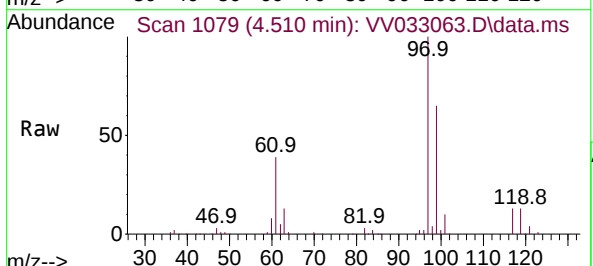
Tgt Ion: 97 Resp: 201747

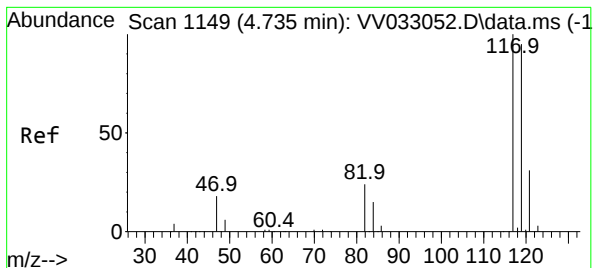
Ion Ratio Lower Upper

97 100

99 64.1 51.2 76.8

61 39.6 32.1 48.1





#31

Carbon tetrachloride

Concen: 48.308 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

Instrument :

MSVOA_V

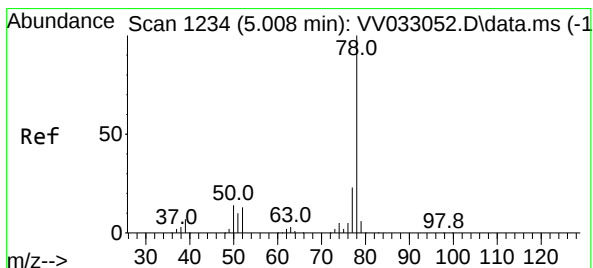
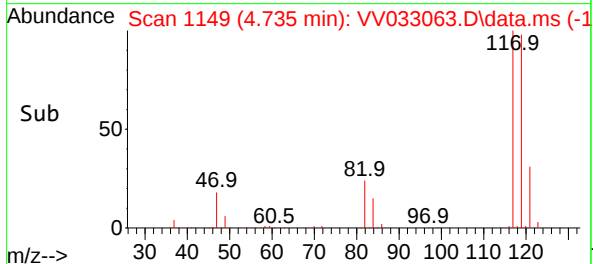
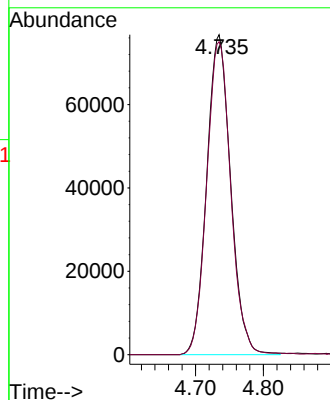
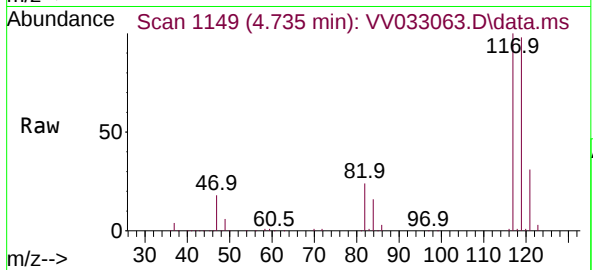
ClientSampleId :

Tgt Ion:117 Resp: 188287

Ion Ratio Lower Upper

117 100

119 98.0 76.5 114.7



#33

Benzene

Concen: 47.935 ug/L

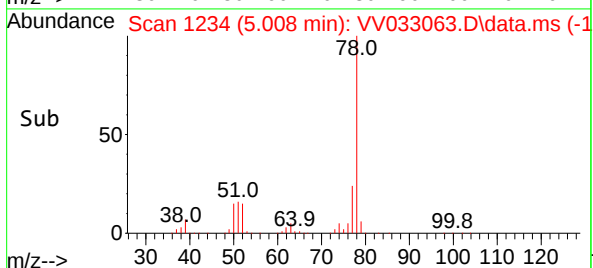
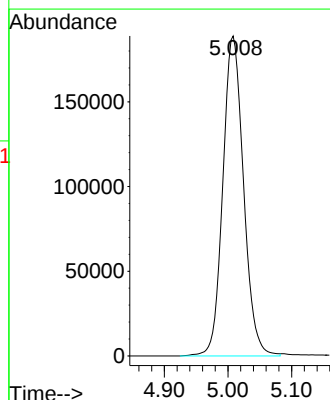
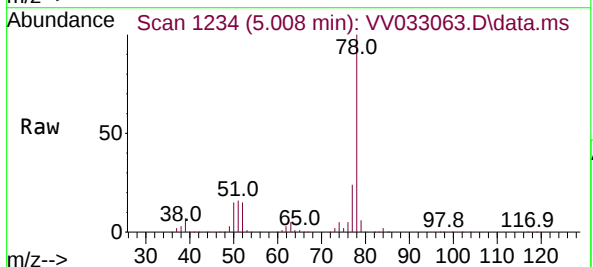
RT: 5.008 min Scan# 1234

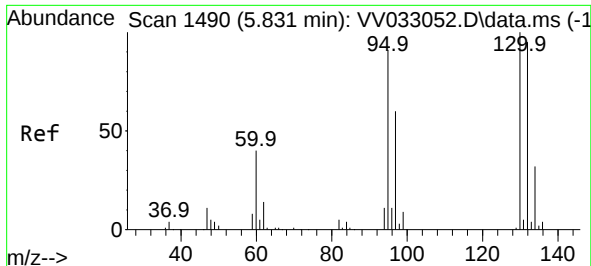
Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

Tgt Ion: 78 Resp: 426963

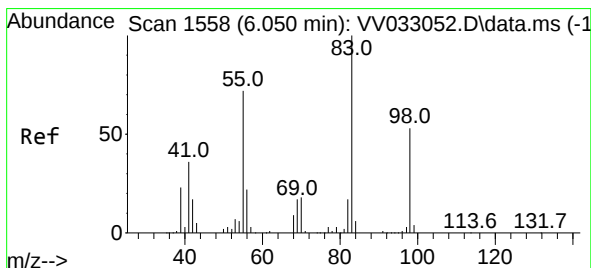
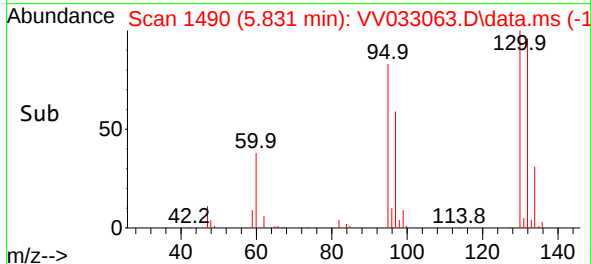
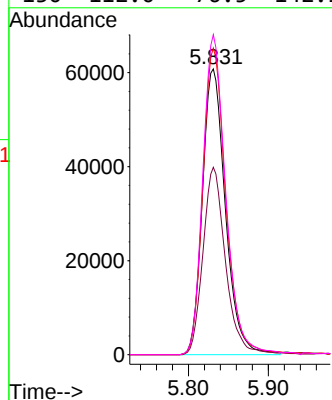
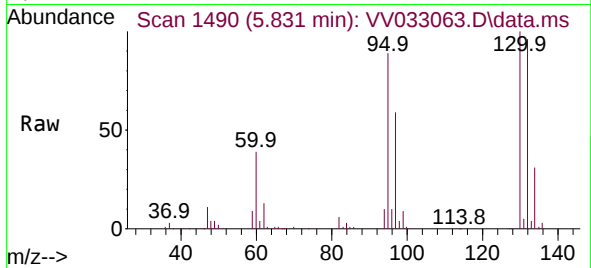




#34
Trichloroethene
Concen: 48.556 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

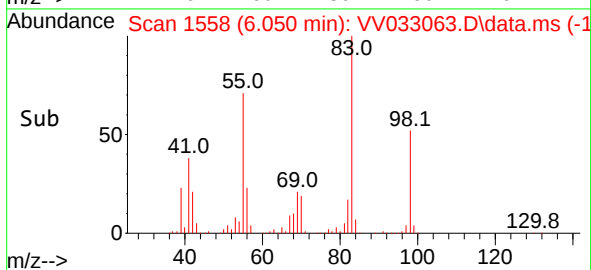
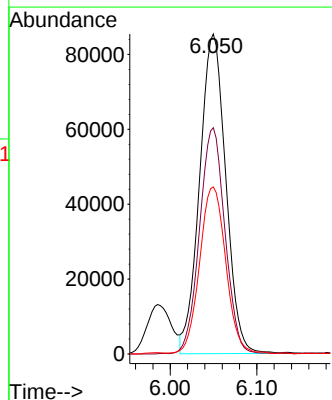
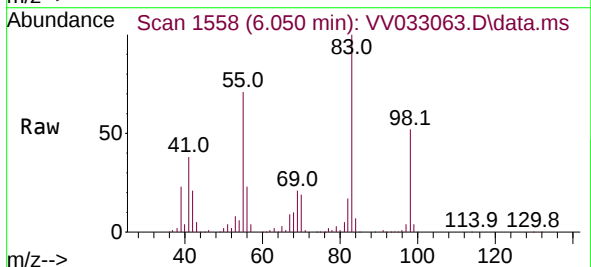
Instrument :
MSVOA_V
ClientSampleId :

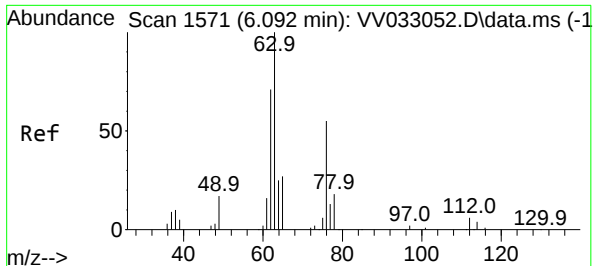
Tgt Ion: 95 Resp: 121905
Ion Ratio Lower Upper
95 100
97 65.6 46.0 85.4
132 107.3 76.0 141.2
130 112.0 76.5 142.1



#35
Methylcyclohexane
Concen: 49.029 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Tgt Ion: 83 Resp: 178908
Ion Ratio Lower Upper
83 100
55 68.8 56.3 84.5
98 51.8 40.5 60.7





#37

1,2-Dichloropropane

Concen: 47.554 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

Instrument :

MSVOA_V

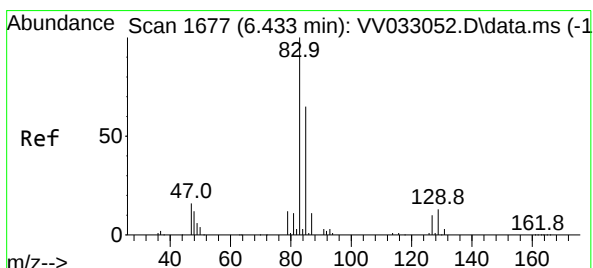
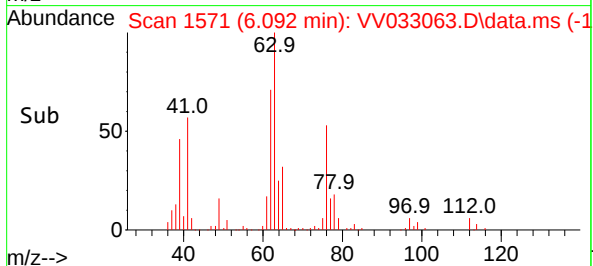
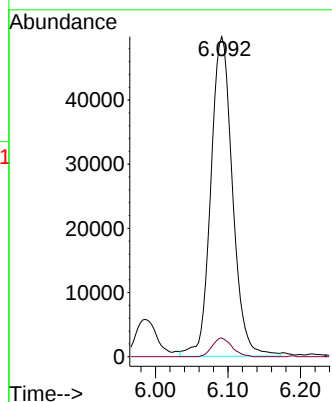
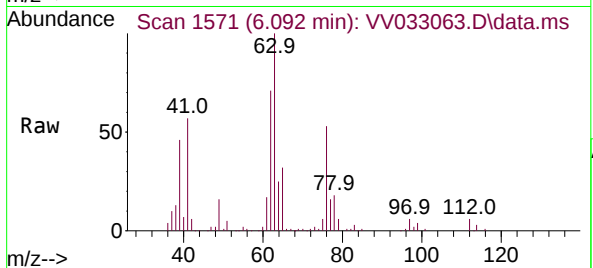
ClientSampleId :

Tgt Ion: 63 Resp: 103964

Ion Ratio Lower Upper

63 100

112 5.3 4.6 7.0



#38

Bromodichloromethane

Concen: 46.738 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

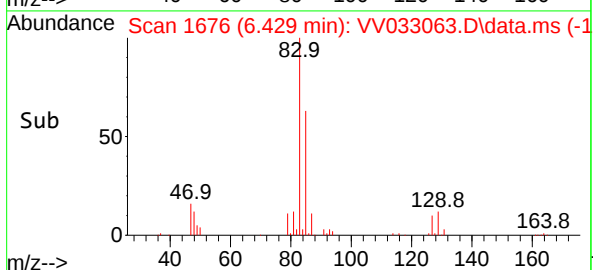
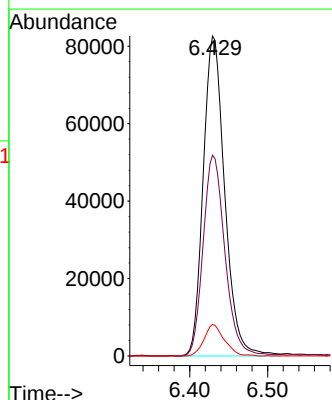
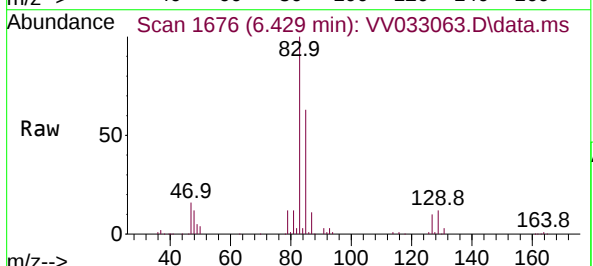
Tgt Ion: 83 Resp: 158763

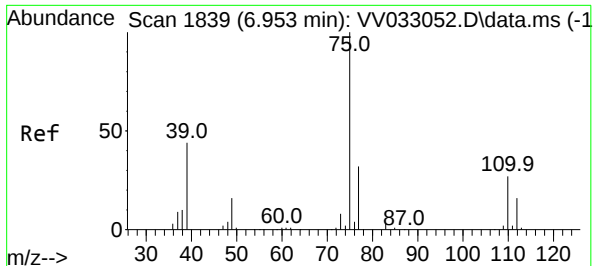
Ion Ratio Lower Upper

83 100

85 62.8 44.7 83.1

127 10.7 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 47.766 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

Instrument :

MSVOA_V

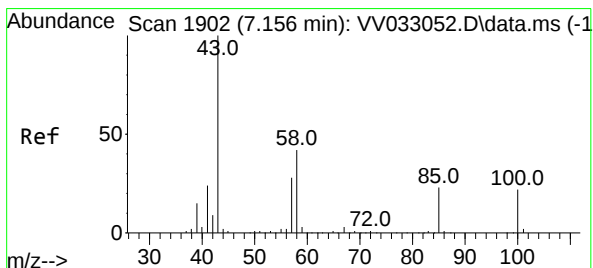
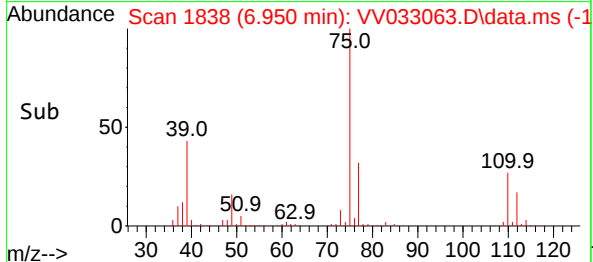
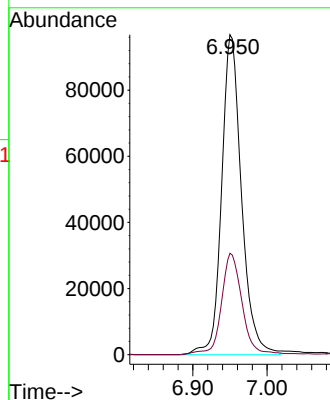
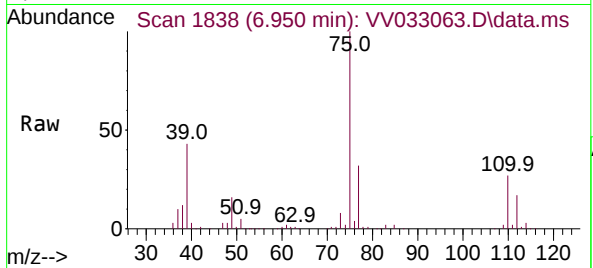
ClientSampleId :

Tgt Ion: 75 Resp: 179783

Ion Ratio Lower Upper

75 100

77 31.7 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 89.173 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

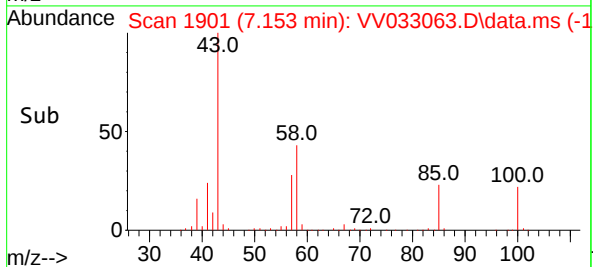
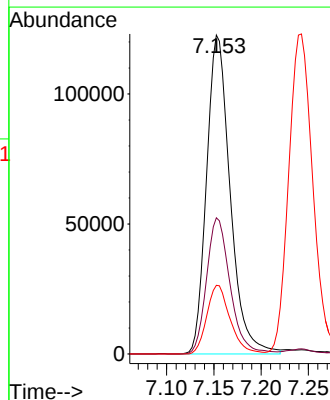
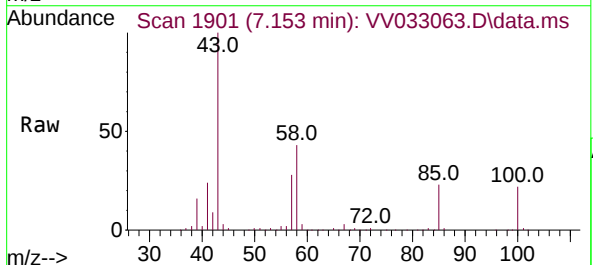
Tgt Ion: 43 Resp: 213247

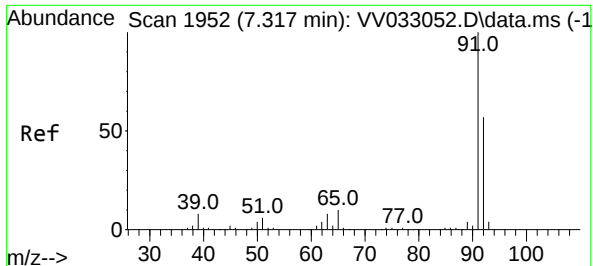
Ion Ratio Lower Upper

43 100

58 42.6 33.2 49.8

100 21.3 14.9 22.3





#42

Toluene

Concen: 48.840 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

Instrument :

MSVOA_V

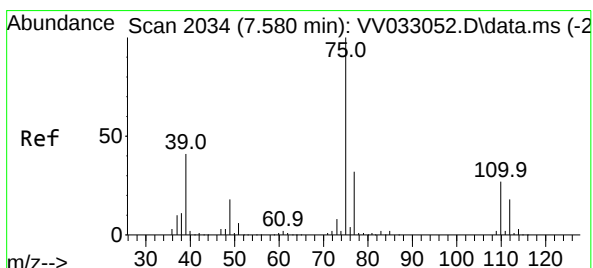
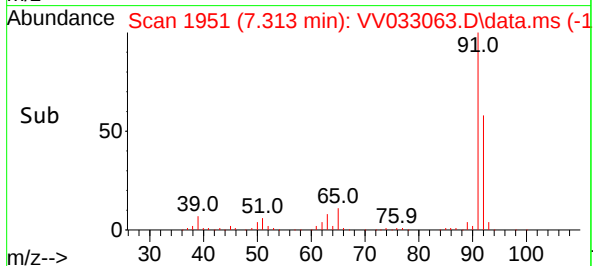
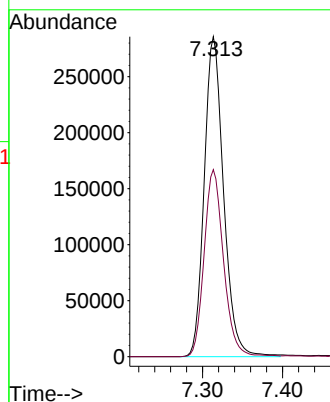
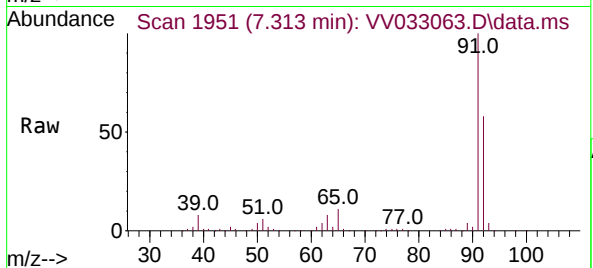
ClientSampleId :

Tgt Ion: 91 Resp: 482013

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 48.061 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV033063.D

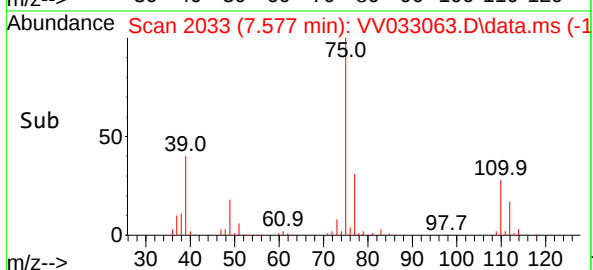
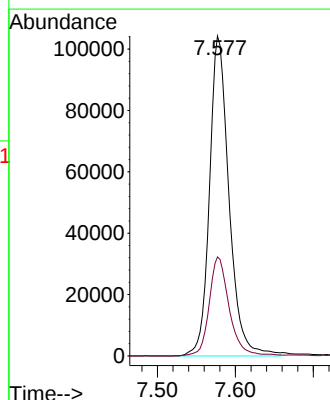
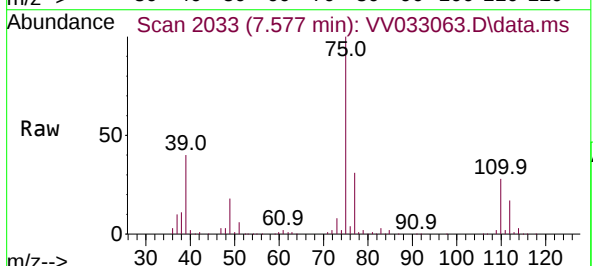
Acq: 24 Nov 2023 10:04

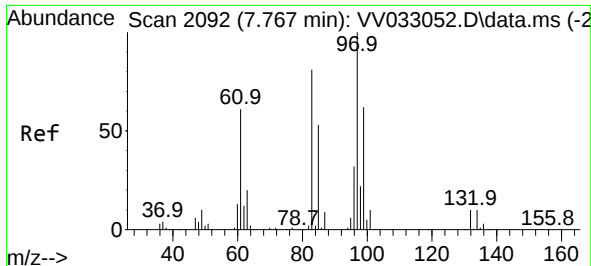
Tgt Ion: 75 Resp: 181773

Ion Ratio Lower Upper

75 100

77 30.9 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 46.605 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 114748

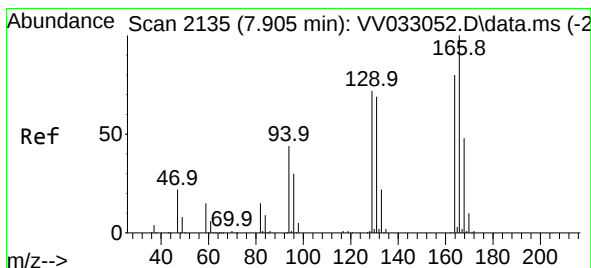
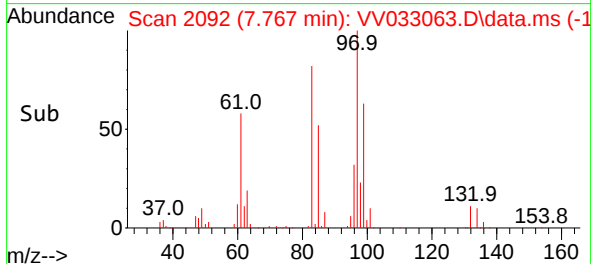
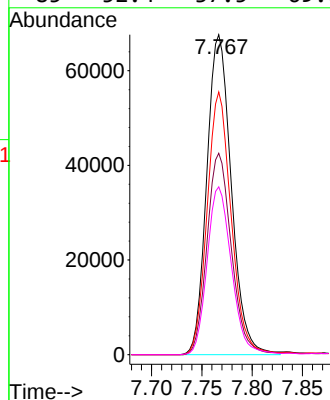
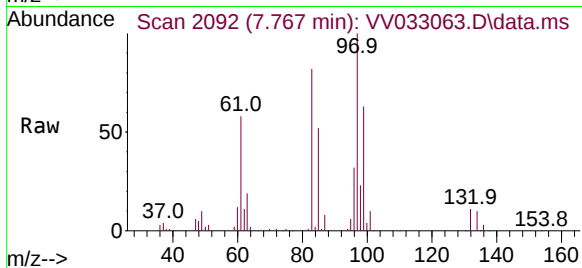
Ion Ratio Lower Upper

97 100

99 63.0 43.5 80.9

83 82.1 55.6 103.2

85 52.4 37.5 69.6



#46

Tetrachloroethene

Concen: 48.335 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

Tgt Ion:164 Resp: 105749

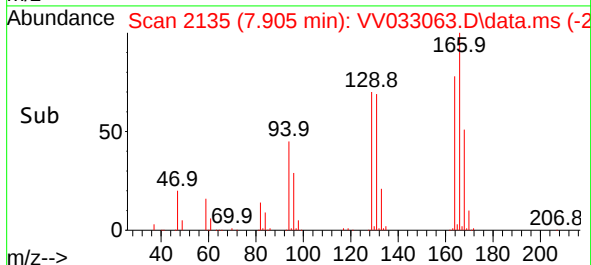
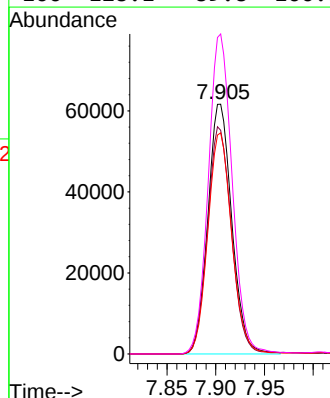
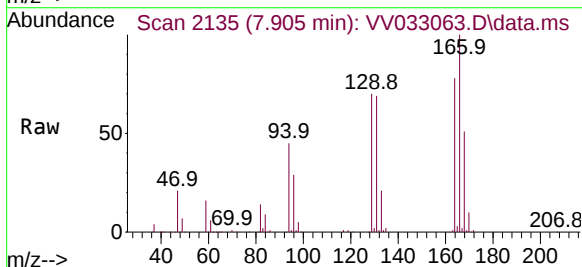
Ion Ratio Lower Upper

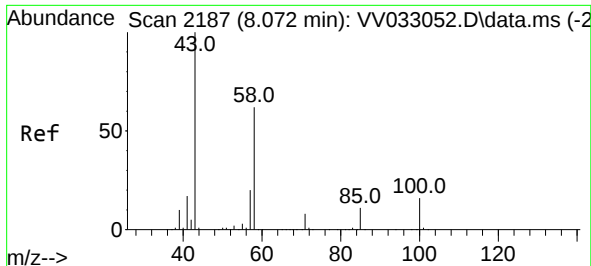
164 100

129 89.6 65.7 122.1

131 88.5 62.5 116.1

166 128.1 89.8 166.8



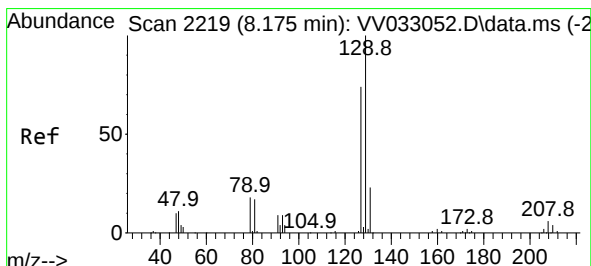
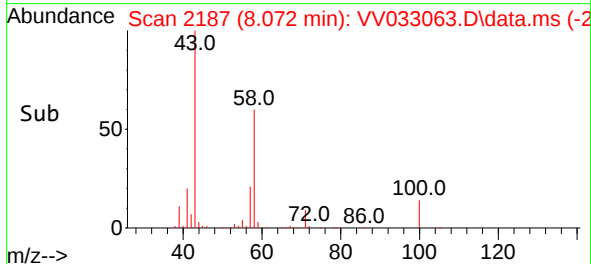
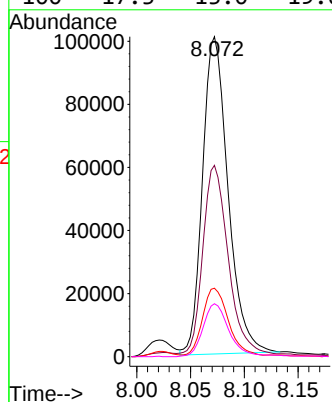
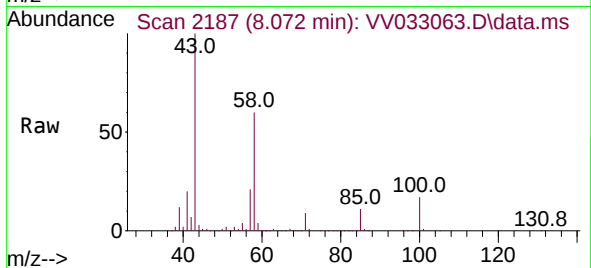


#48
2-Hexanone
Concen: 87.689 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 165898

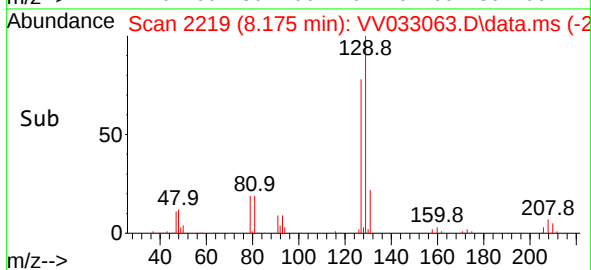
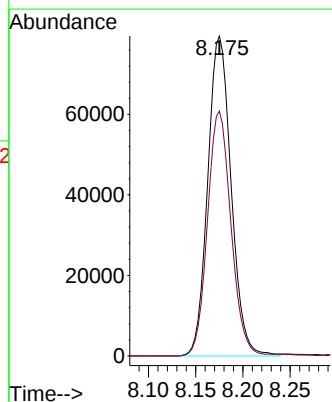
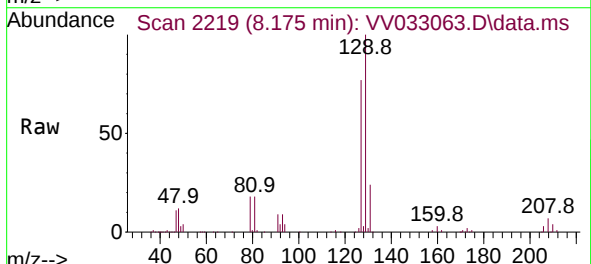
Ion	Ratio	Lower	Upper
43	100		
58	60.6	47.0	70.6
57	21.9	17.0	25.6
100	17.3	13.0	19.6

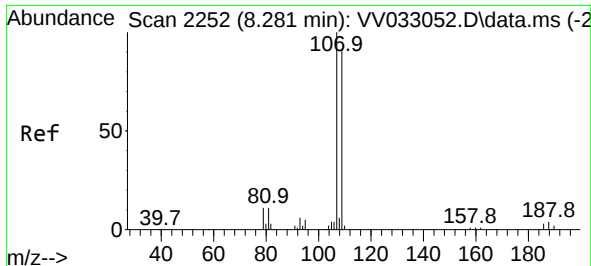


#49
Dibromochloromethane
Concen: 48.169 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Tgt Ion: 129 Resp: 136689

Ion	Ratio	Lower	Upper
129	100		
127	76.5	54.4	101.0





#50

1,2-Dibromoethane

Concen: 47.440 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033063.D

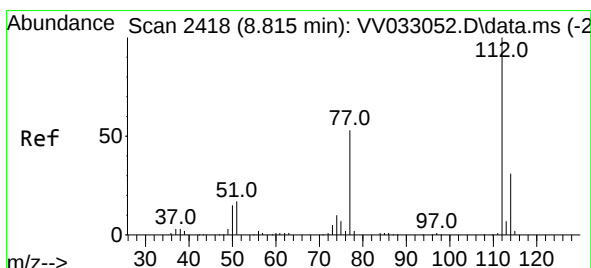
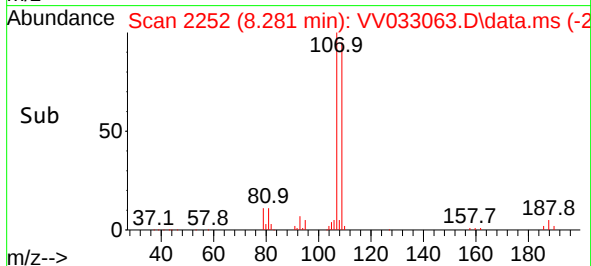
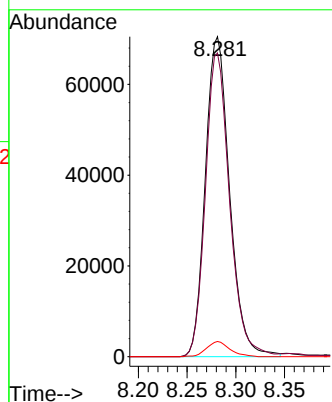
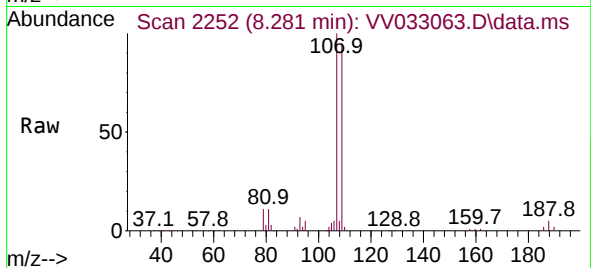
Acq: 24 Nov 2023 10:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	122332
Ion	Ratio	Lower	Upper
107	100		
109	94.9	67.3	125.1
188	4.7	3.3	4.9



#51

Chlorobenzene

Concen: 47.117 ug/L

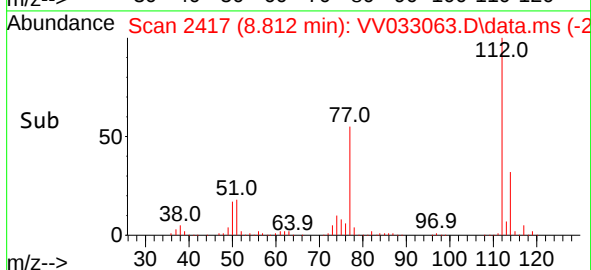
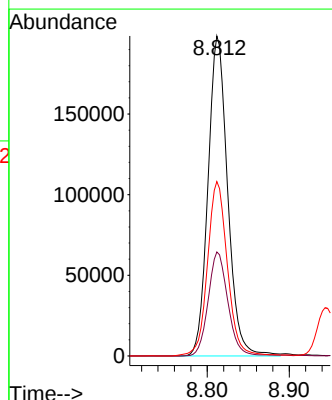
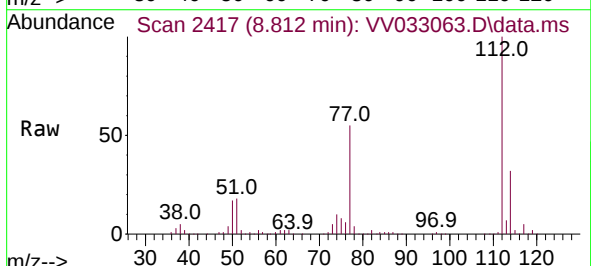
RT: 8.812 min Scan# 2417

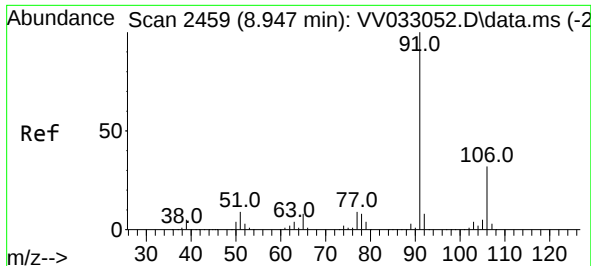
Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

Tgt Ion:	112	Resp:	329982
Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.3	41.5
77	54.5	43.0	64.6

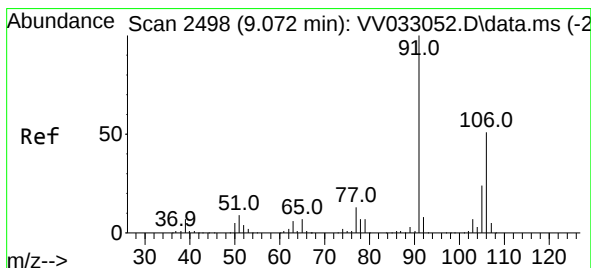
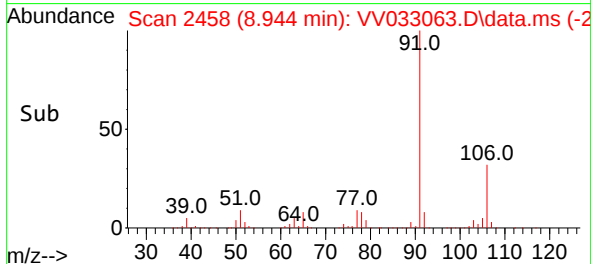
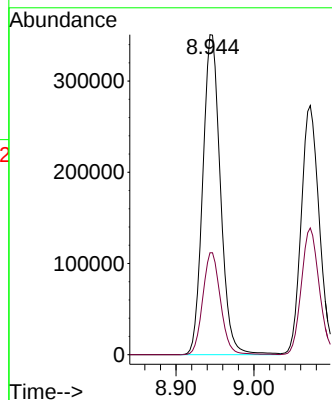
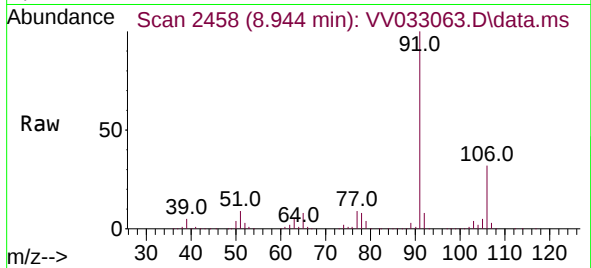




#52
Ethylbenzene
Concen: 48.825 ug/L
RT: 8.944 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

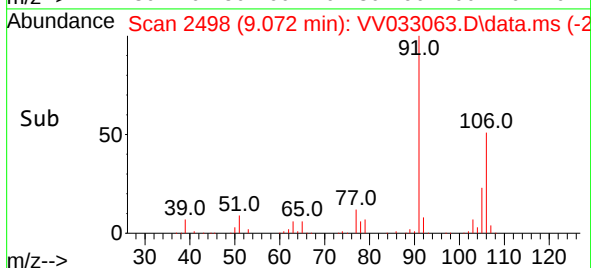
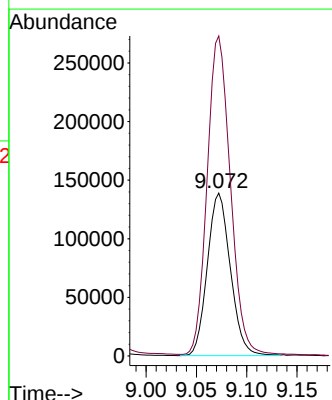
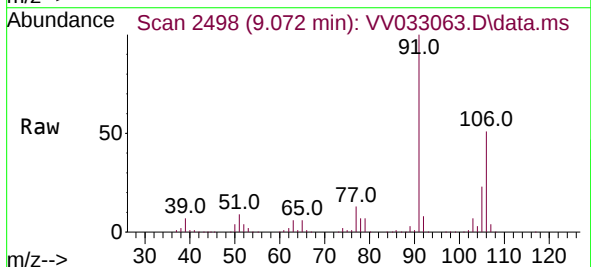
Instrument :
MSVOA_V
ClientSampleId :

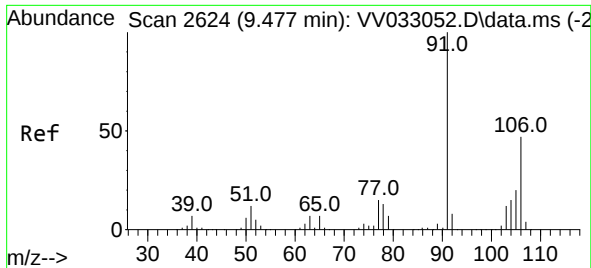
Tgt Ion: 91 Resp: 553175
Ion Ratio Lower Upper
91 100
106 31.9 22.1 41.1



#53
m,p-Xylene
Concen: 49.659 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Tgt Ion: 106 Resp: 221051
Ion Ratio Lower Upper
106 100
91 196.4 138.6 257.4

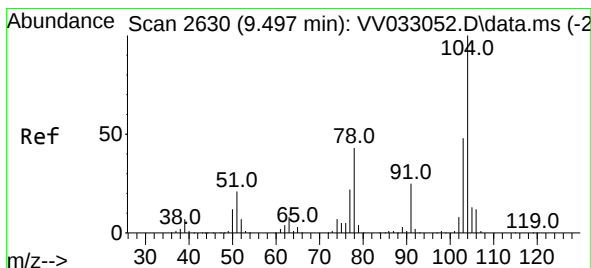
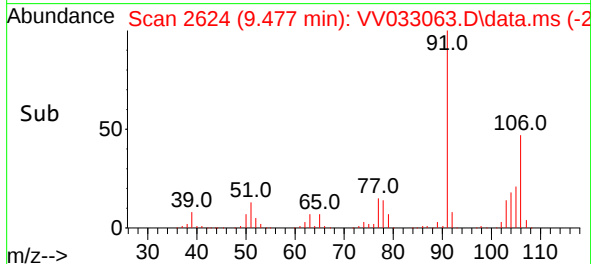
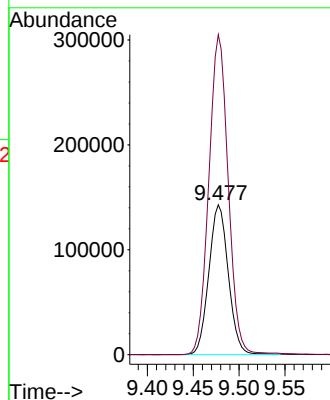
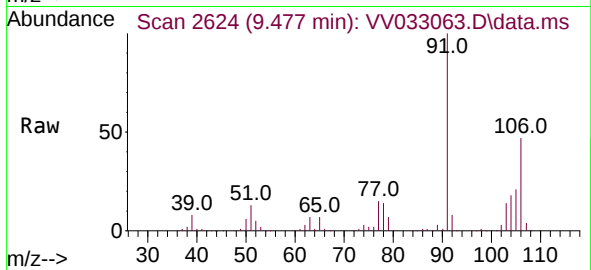




#54
o-Xylene
Concen: 49.370 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

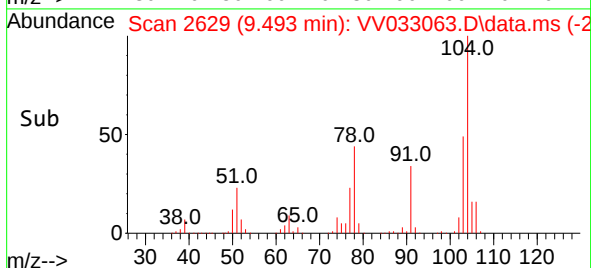
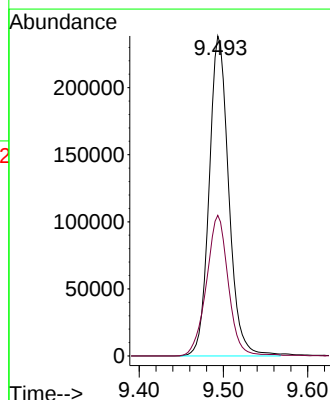
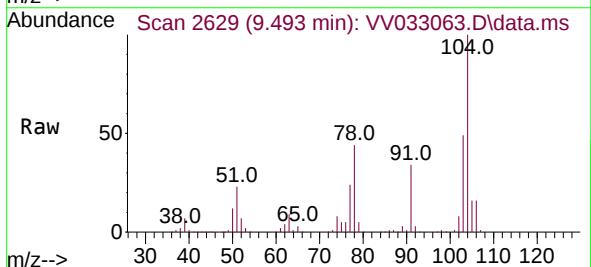
Instrument :
MSVOA_V
ClientSampleId :

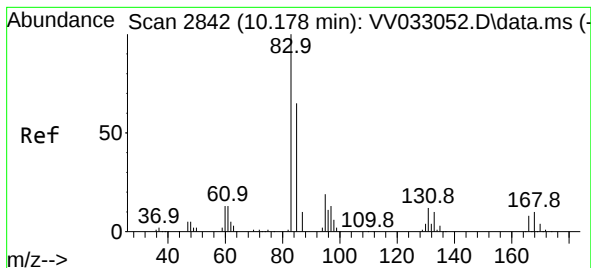
Tgt Ion:106 Resp: 211545
Ion Ratio Lower Upper
106 100
91 213.5 147.3 273.5



#55
Styrene
Concen: 50.509 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Tgt Ion:104 Resp: 386073
Ion Ratio Lower Upper
104 100
78 43.9 30.2 56.2

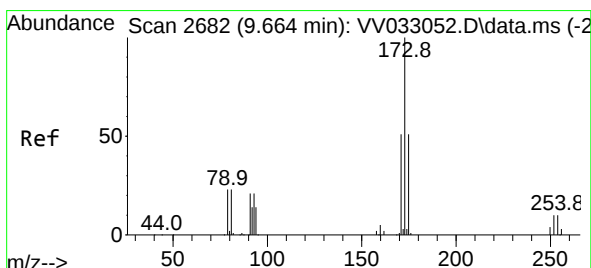
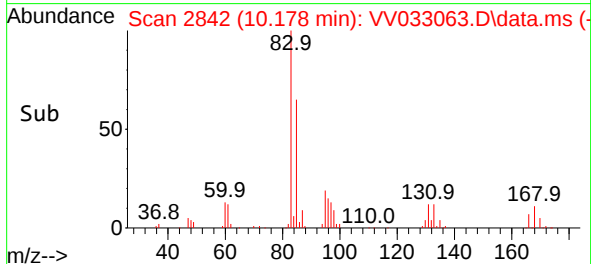
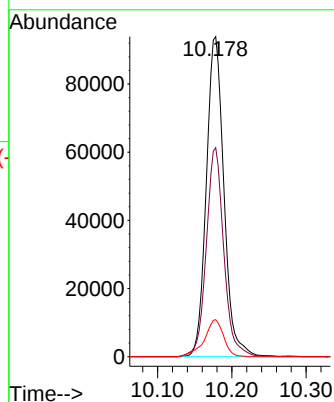
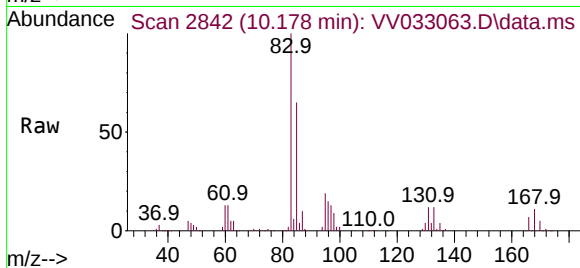




#57
 1,1,2,2-Tetrachloroethane
 Concen: 44.409 ug/L
 RT: 10.178 min Scan# 2842
 Delta R.T. -0.000 min
 Lab File: VV033063.D
 Acq: 24 Nov 2023 10:04

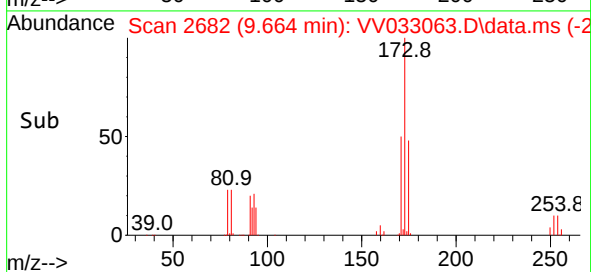
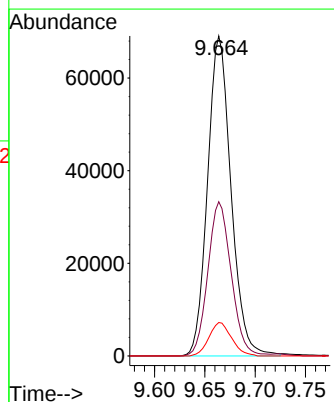
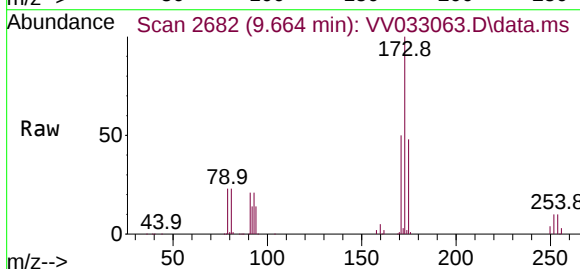
Instrument :
 MSVOA_V
 ClientSampleId :

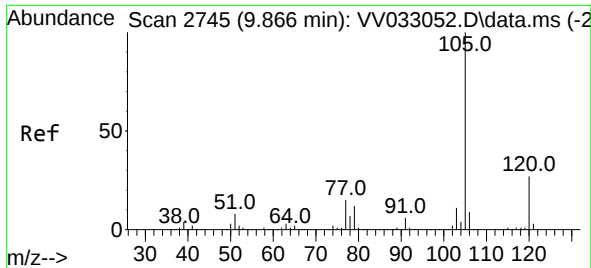
Tgt Ion: 83 Resp: 154463
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.8 85.2
 131 11.6 9.4 14.0



#59
 Bromoform
 Concen: 48.397 ug/L
 RT: 9.664 min Scan# 2682
 Delta R.T. -0.000 min
 Lab File: VV033063.D
 Acq: 24 Nov 2023 10:04

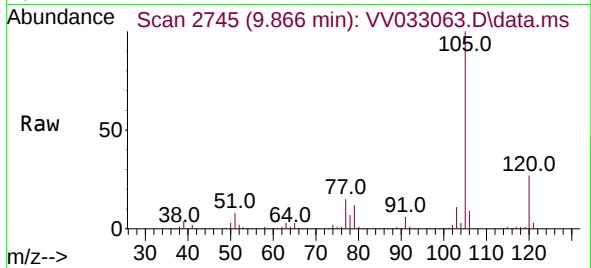
Tgt Ion: 173 Resp: 112136
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.7 58.1
 254 10.1 7.9 11.9



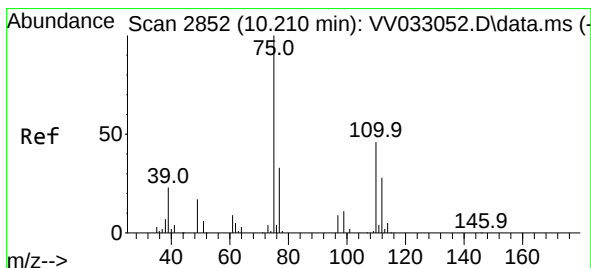
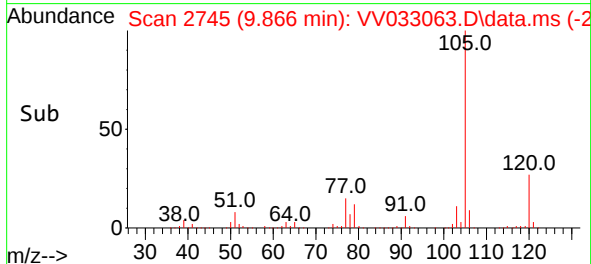
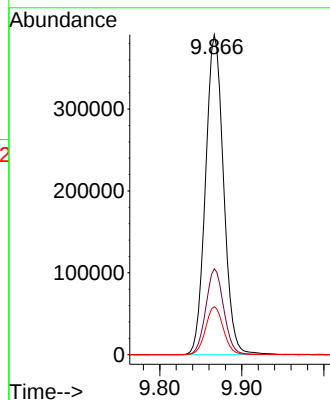


#60
Isopropylbenzene
Concen: 49.506 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Instrument :
MSVOA_V
ClientSampleId :

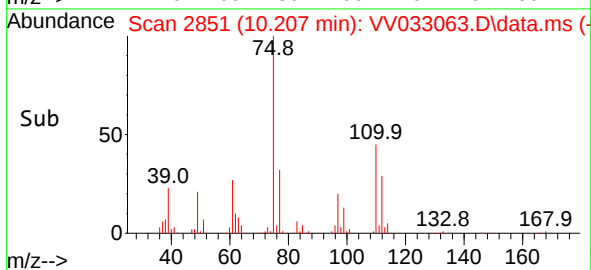
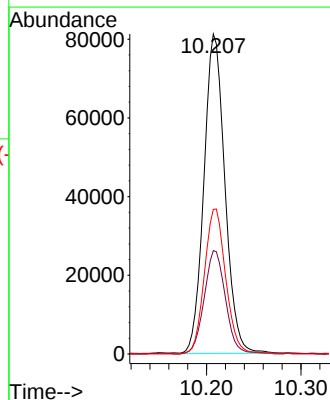
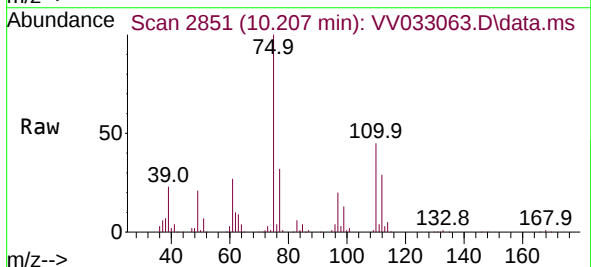


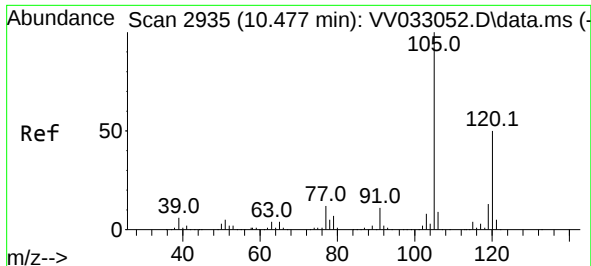
Tgt Ion:105 Resp: 596677
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.2
77 14.7 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 43.769 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Tgt Ion: 75 Resp: 125533
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.2
110 45.9 36.2 54.4

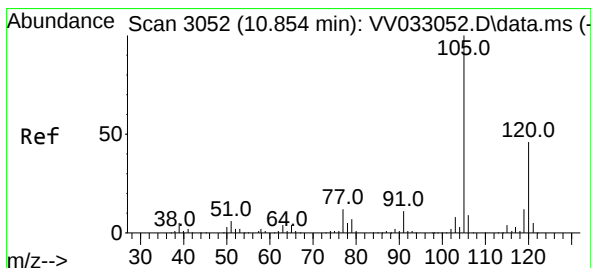
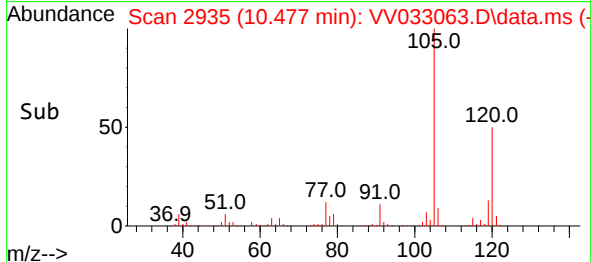
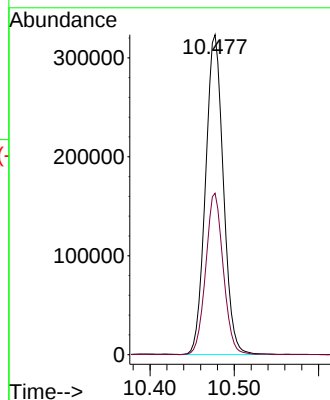
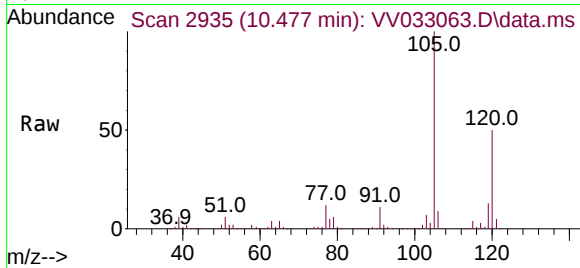




#62
 1,3,5-Trimethylbenzene
 Concen: 49.321 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VV033063.D
 Acq: 24 Nov 2023 10:04

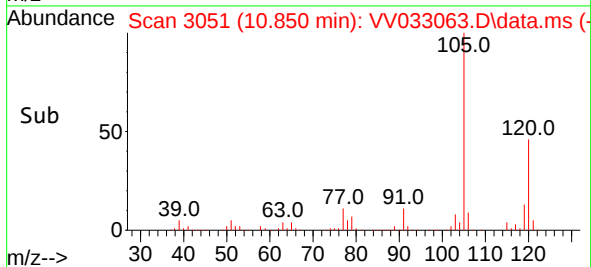
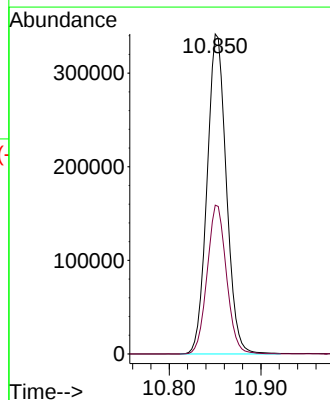
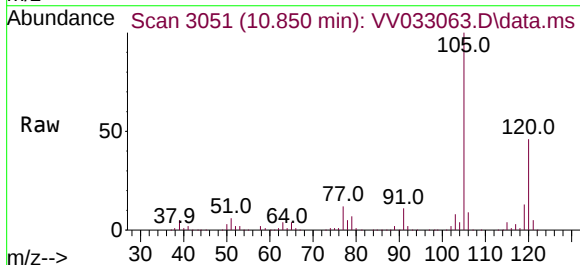
Instrument :
 MSVOA_V
 ClientSampleId :

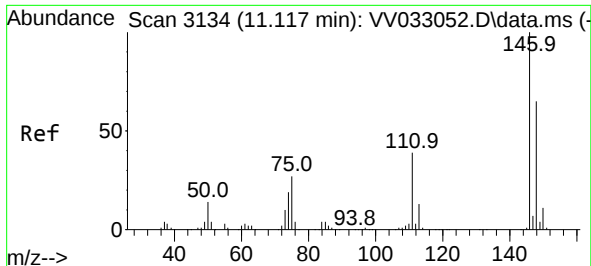
Tgt Ion:105 Resp: 476931
 Ion Ratio Lower Upper
 105 100
 120 49.7 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 49.275 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. -0.000 min
 Lab File: VV033063.D
 Acq: 24 Nov 2023 10:04

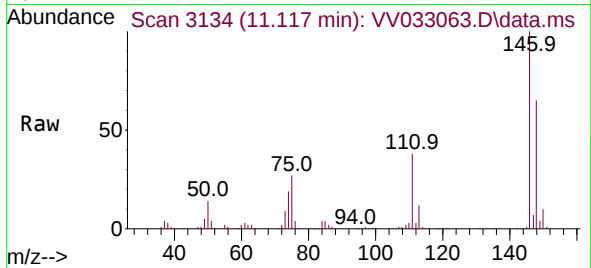
Tgt Ion:105 Resp: 499173
 Ion Ratio Lower Upper
 105 100
 120 46.6 36.7 55.1



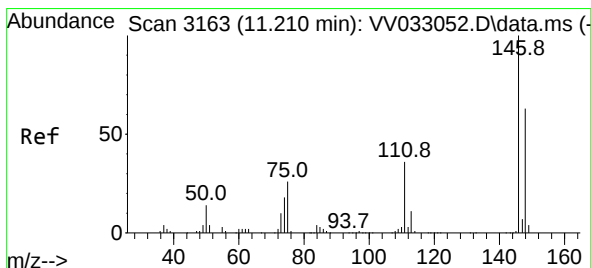
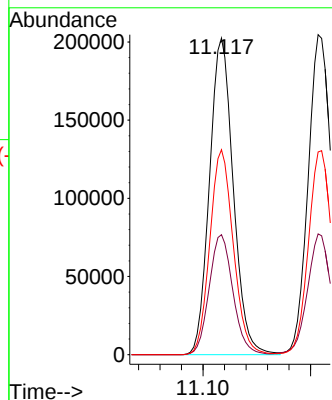
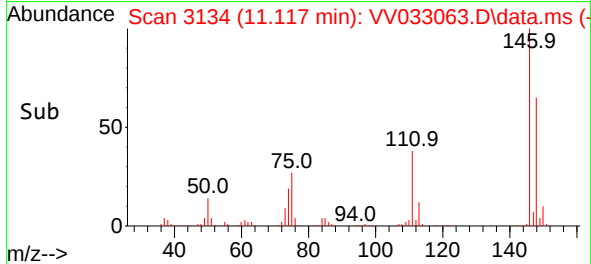


#64
1,3-Dichlorobenzene
Concen: 48.168 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

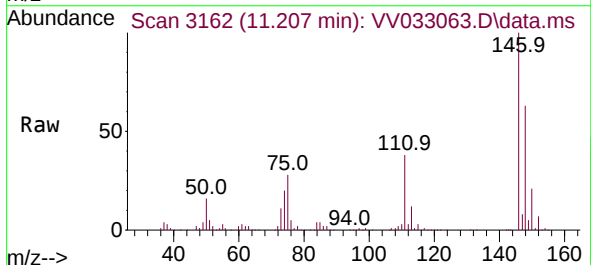
Instrument :
MSVOA_V
ClientSampleId :



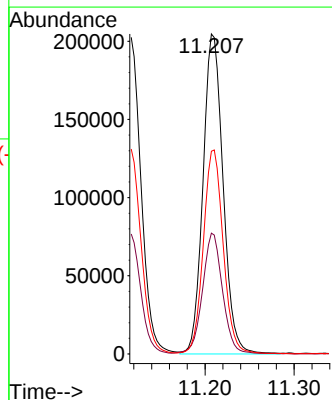
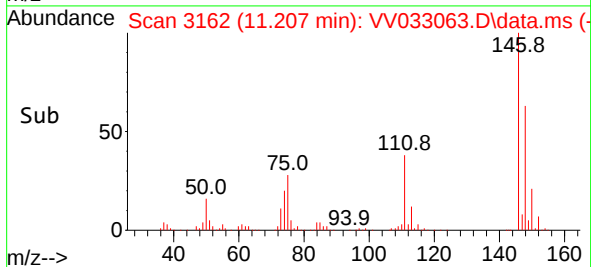
Tgt Ion:146 Resp: 311030
Ion Ratio Lower Upper
146 100
111 37.9 26.5 49.1
148 64.7 44.5 82.7

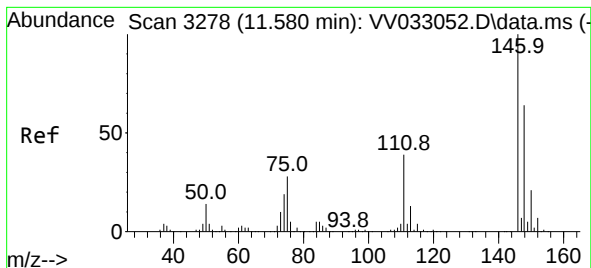


#65
1,4-Dichlorobenzene
Concen: 46.689 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04



Tgt Ion:146 Resp: 320461
Ion Ratio Lower Upper
146 100
111 37.7 25.1 46.7
148 63.4 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 47.360 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

Instrument :

MSVOA_V

ClientSampleId :

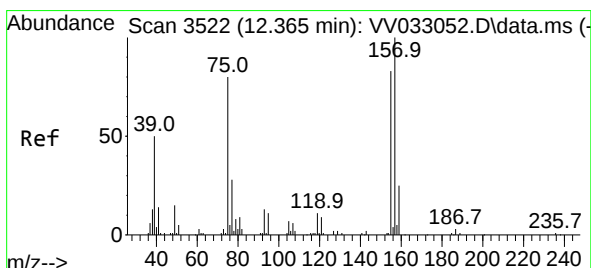
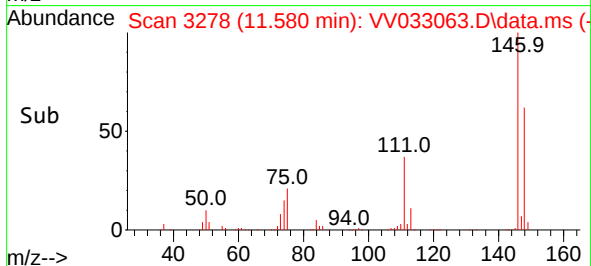
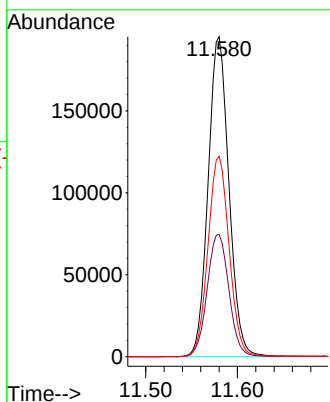
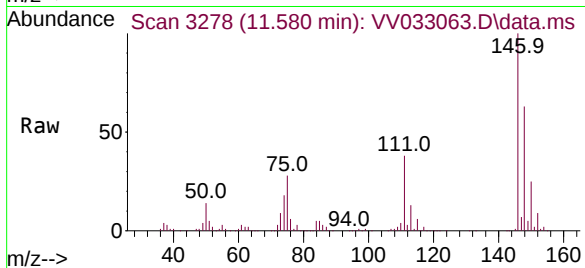
Tgt Ion:146 Resp: 306861

Ion Ratio Lower Upper

146 100

111 38.2 31.8 47.6

148 62.7 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 41.916 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033063.D

Acq: 24 Nov 2023 10:04

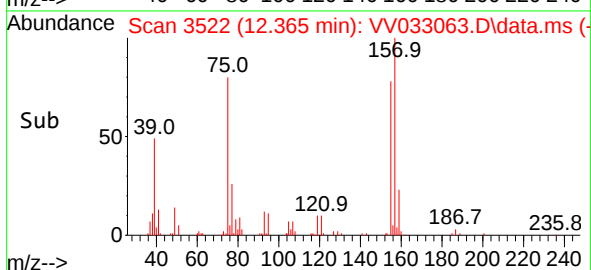
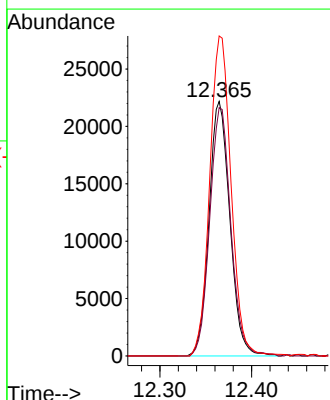
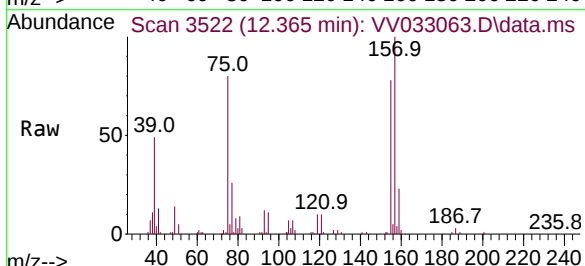
Tgt Ion: 75 Resp: 34973

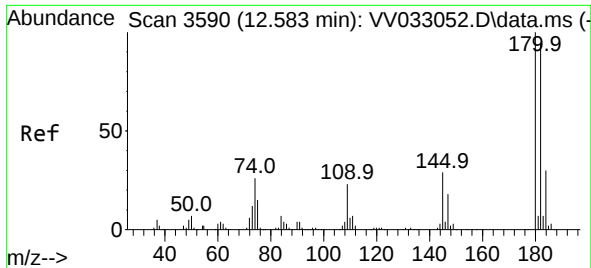
Ion Ratio Lower Upper

75 100

155 97.5 79.8 119.8

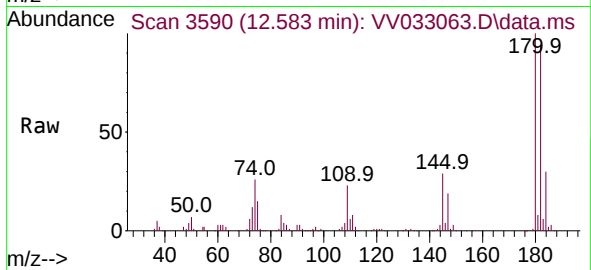
157 125.7 102.5 153.7



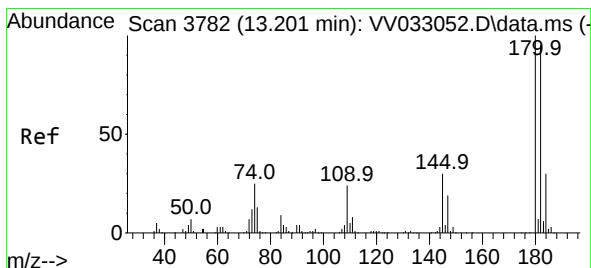
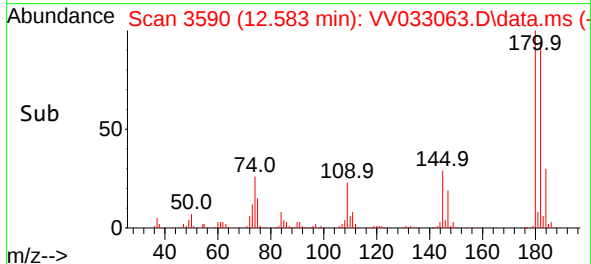
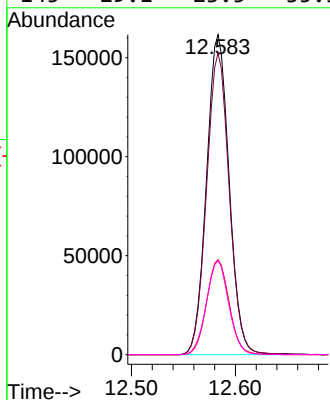


#69
1,3,5-Trichlorobenzene
Concen: 48.631 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Instrument :
MSVOA_V
ClientSampleId :

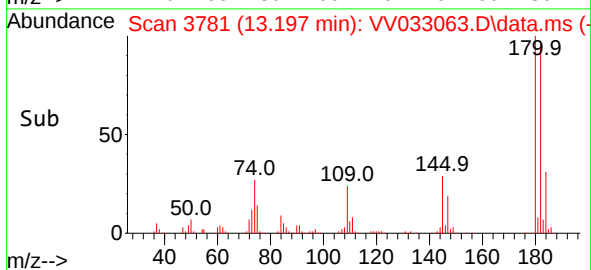
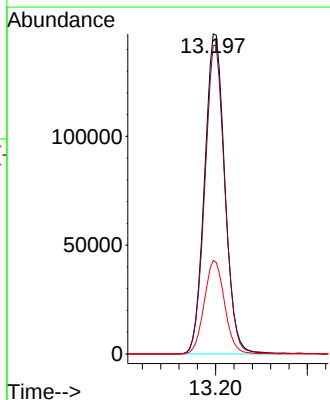
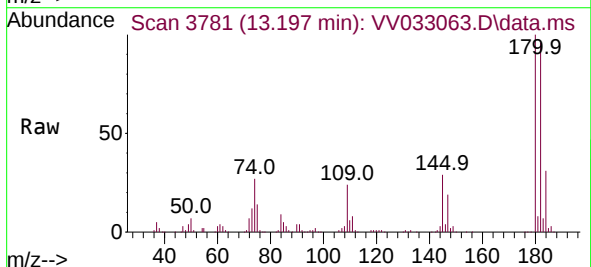


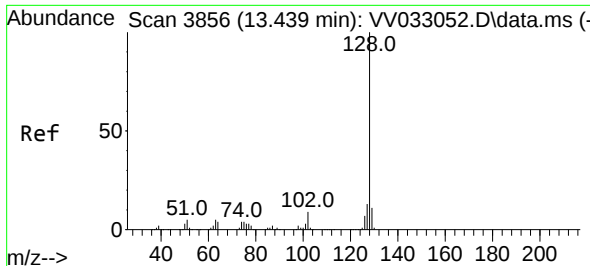
Tgt Ion:180 Resp: 244138
Ion Ratio Lower Upper
180 100
182 94.4 76.6 115.0
184 29.6 24.5 36.7
145 29.1 23.5 35.3



#70
1,2,4-trichlorobenzene
Concen: 49.135 ug/L
RT: 13.197 min Scan# 3781
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Tgt Ion:180 Resp: 226055
Ion Ratio Lower Upper
180 100
182 95.8 76.8 115.2
145 29.3 23.2 34.8

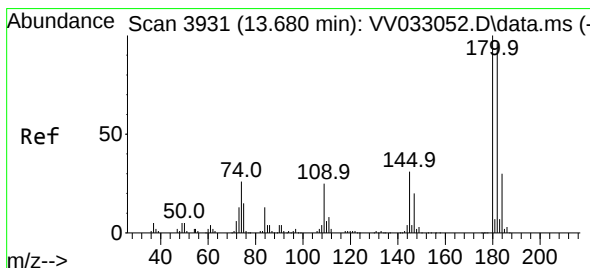
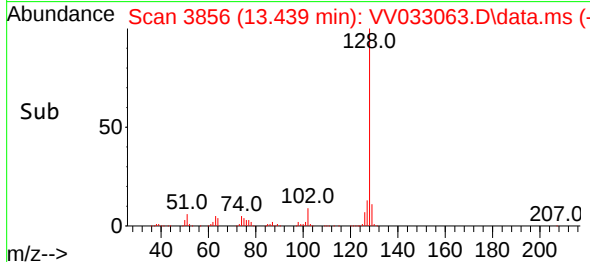
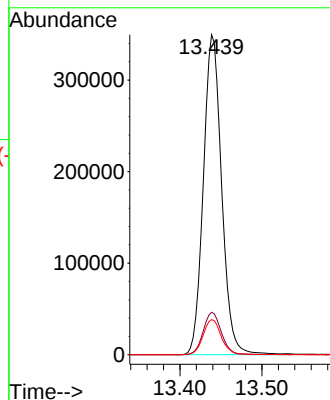
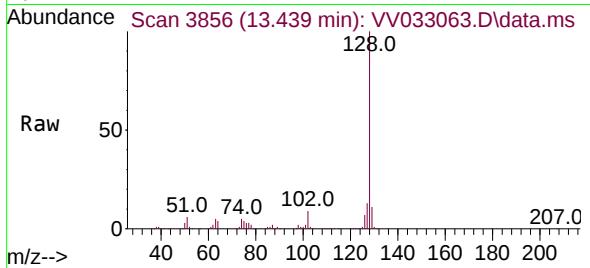




#71
Naphthalene
Concen: 47.494 ug/L
RT: 13.439 min Scan# 3856
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 540449
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 50.509 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. -0.000 min
Lab File: VV033063.D
Acq: 24 Nov 2023 10:04

Tgt Ion:180 Resp: 225299
Ion Ratio Lower Upper
180 100
182 95.5 76.6 114.8
145 32.0 25.5 38.3

