

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102523\
 Data File : VW032647.D
 Acq On : 25 Oct 2023 20:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 26 05:06:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 26 04:59:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	93312	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	108156	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	56472	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	36465	4.805	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.200%
7) Chloroethane-d5	1.532	69	33015	5.359	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.200%
11) 1,1-Dichloroethene-d2	2.060	65	15231	4.759	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.200%
20) 2-Butanone-d5	3.815	46	59348	30.914	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	61.820%
24) Chloroform-d	4.253	84	64617	4.827	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	4.944	65	31993	5.045	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	4.960	84	124804	3.922	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.400%
36) 1,2-Dichloropropane-d6	5.992	67	36998	3.509	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	70.200%
41) Toluene-d8	7.246	98	129572	4.452	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
43) trans-1,3-Dichloroprop...	7.558	79	15574	4.168	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.031	63	73857	42.012	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.020%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	33435	4.533	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.600%
66) 1,2-Dichlorobenzene-d4	11.564	152	45803	4.371	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	46548	4.477	ug/L	99
3) Chloromethane	1.214	50	46420	4.428	ug/L	100
5) Vinyl chloride	1.282	62	47774	4.778	ug/L	100
6) Bromomethane	1.487	94	28835	4.774	ug/L	99
8) Chloroethane	1.548	64	31821	5.287	ug/L	99
9) Trichlorofluoromethane	1.712	101	63125	5.265	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	37801	5.203	ug/L	99
12) 1,1-Dichloroethene	2.069	96	34436	5.032	ug/L	91
13) Acetone	2.137	43	40424	27.320	ug/L	99
14) Carbon disulfide	2.240	76	90268	3.773	ug/L	100
15) Methyl Acetate	2.384	43	12379	3.716	ug/L	95
16) Methylene chloride	2.446	84	42087	4.717	ug/L	96
17) Methyl tert-butyl Ether	2.706	73	82180	4.411	ug/L	97
18) trans-1,2-Dichloroethene	2.693	96	34248	4.369	ug/L	97
19) 1,1-Dichloroethane	3.111	63	67174	4.556	ug/L	97
21) 2-Butanone	3.892	43	69825	30.177	ug/L	96
22) cis-1,2-Dichloroethene	3.818	96	36979	4.381	ug/L	99
23) Bromochloromethane	4.153	128	17733	4.994	ug/L	95
25) Chloroform	4.278	83	73922	5.109	ug/L	99

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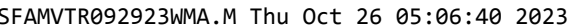
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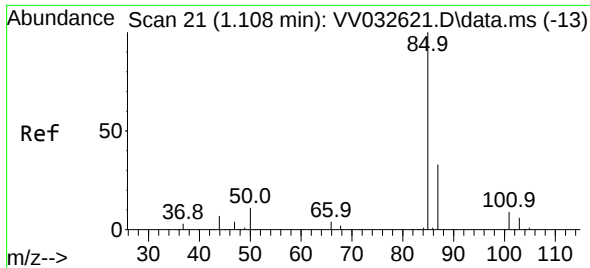
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	43964	5.144	ug/L	96
29) 1,1,1-Trichloroethane	4.513	97	60565	4.119	ug/L	99
30) Cyclohexane	4.584	56	46418	2.873	ug/L	97
31) Carbon tetrachloride	4.735	117	51649	4.151	ug/L	99
33) Benzene	5.011	78	153668	4.035	ug/L	100
34) Trichloroethene	5.834	95	38237	3.678	ug/L	99
35) Methylcyclohexane	6.050	83	54217	3.370	ug/L	96
37) 1,2-Dichloropropane	6.095	63	38156	3.747	ug/L #	96
38) Bromodichloromethane	6.436	83	58584	4.842	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	57992	4.002	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	262208	40.687	ug/L	98
42) Toluene	7.317	91	182058	4.485	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	49186	4.130	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	34053	4.740	ug/L	97
47) Tetrachloroethene	7.908	164	33880	4.298	ug/L	99
48) 2-Hexanone	8.079	43	187168	41.164	ug/L	99
49) Dibromochloromethane	8.178	129	36819	4.923	ug/L	95
50) 1,2-Dibromoethane	8.285	107	30604	4.504	ug/L	97
51) Chlorobenzene	8.815	112	116142	4.444	ug/L	98
52) Ethylbenzene	8.947	91	189959	4.202	ug/L	100
53) m,p-Xylene	9.075	106	73098	4.360	ug/L	97
54) o-Xylene	9.481	106	69787	4.320	ug/L	93
55) Styrene	9.497	104	125564	4.603	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.182	83	38895	4.921	ug/L	99
59) Bromoform	9.667	173	19892	4.844	ug/L	99
60) Isopropylbenzene	9.870	105	189989	4.329	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	27078	4.505	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	145433	4.066	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	145231	4.078	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	94061	4.486	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	95858	4.557	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	86121	4.504	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	5865	4.776	ug/L	85
69) 1,3,5-Trichlorobenzene	12.583	180	64783	4.219	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	52877	3.882	ug/L	99
71) Naphthalene	13.442	128	80286	3.470	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	50346	4.290	ug/L	97

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

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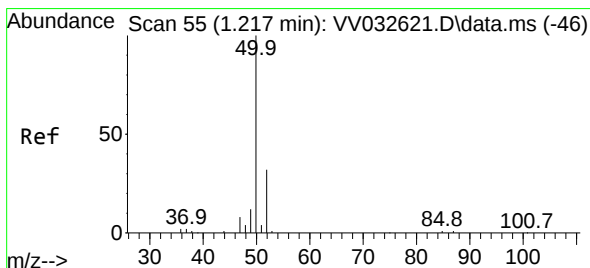
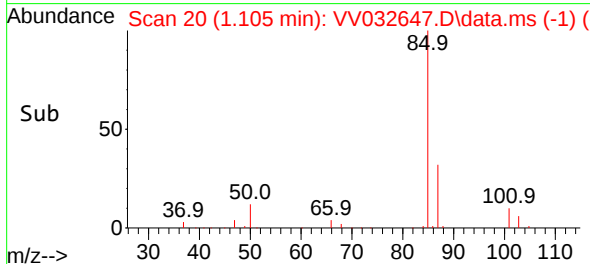
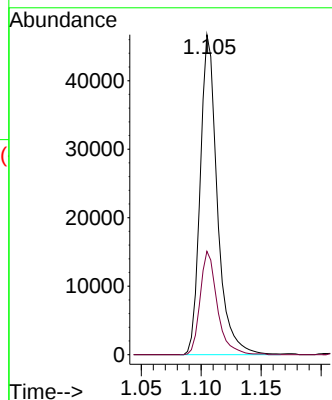
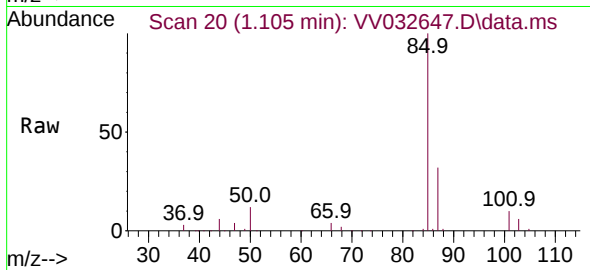




#2
 Dichlorodifluoromethane
 Concen: 4.477 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV032647.D
 Acq: 25 Oct 2023 20:51

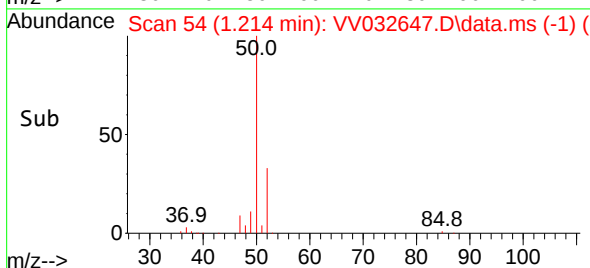
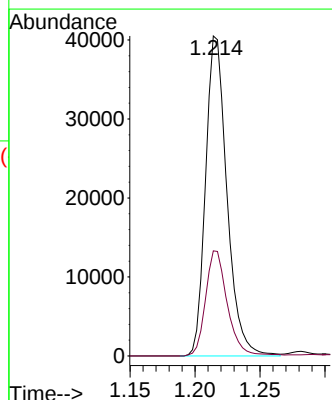
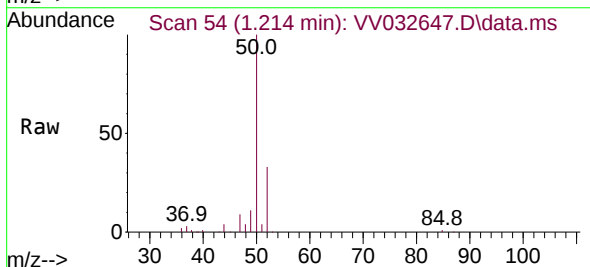
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 ClientSampleId :

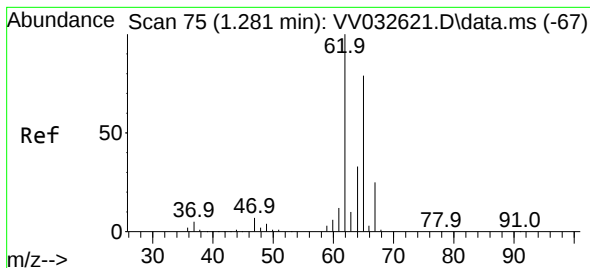
Tgt Ion: 85 Resp: 46548
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.5 38.3



#3
 Chloromethane
 Concen: 4.428 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV032647.D
 Acq: 25 Oct 2023 20:51

Tgt Ion: 50 Resp: 46420
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.0 42.6





#5

Vinyl chloride

Concen: 4.778 ug/L

RT: 1.282 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

Instrument :

MSVOA_V

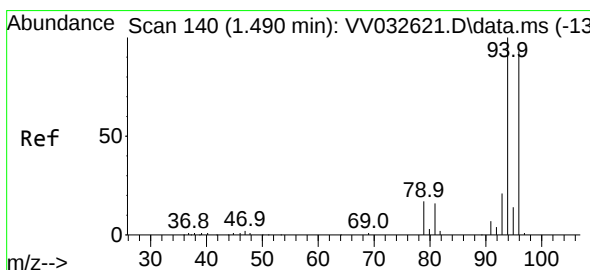
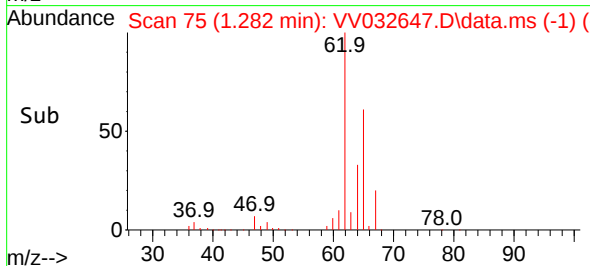
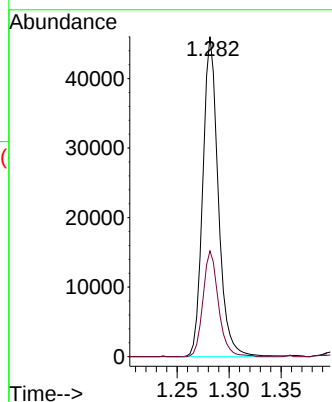
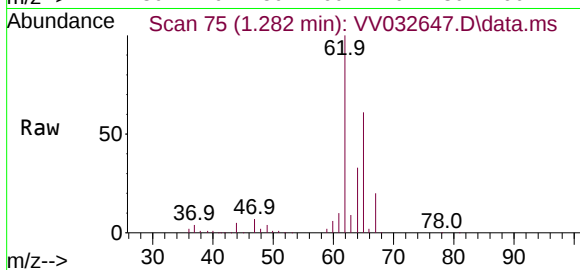
ClientSampleId :

Tgt Ion: 62 Resp: 47774

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 4.774 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.003 min

Lab File: VV032647.D

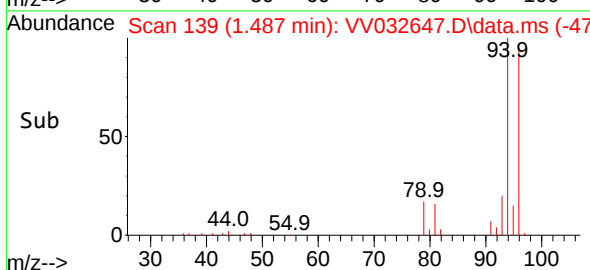
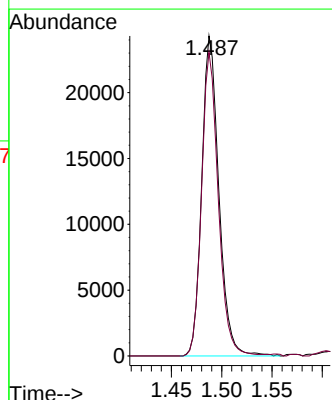
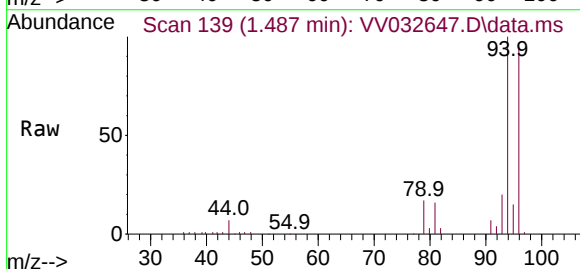
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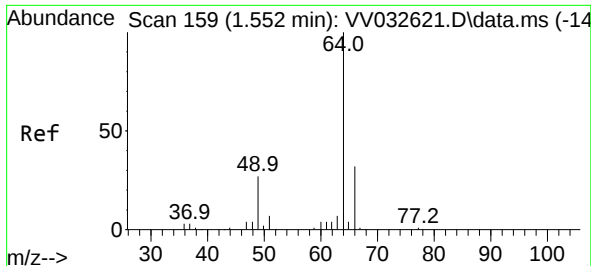
Tgt Ion: 94 Resp: 28835

Ion Ratio Lower Upper

94 100

96 94.8 66.8 124.2

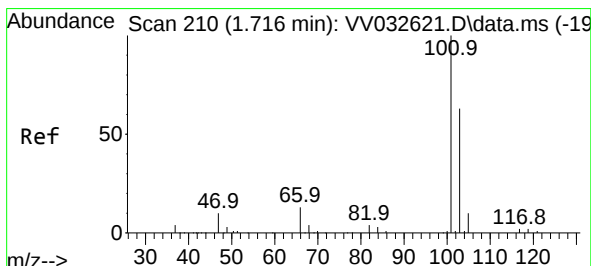
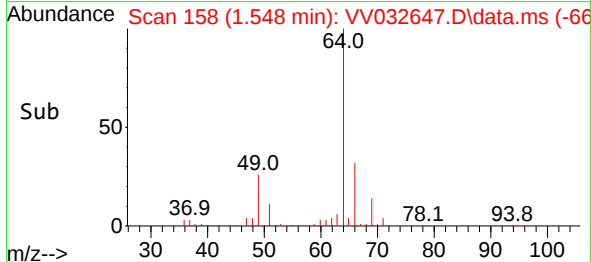
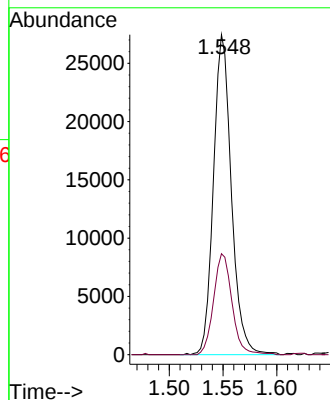
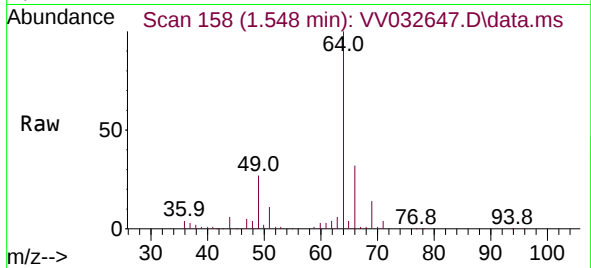




#8
Chloroethane
Concen: 5.287 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

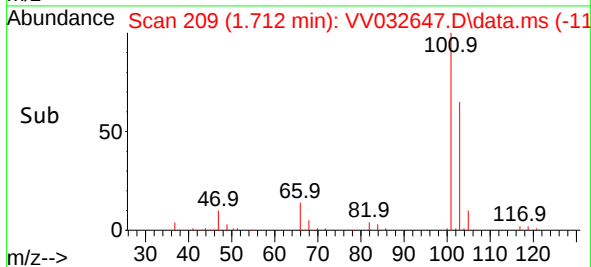
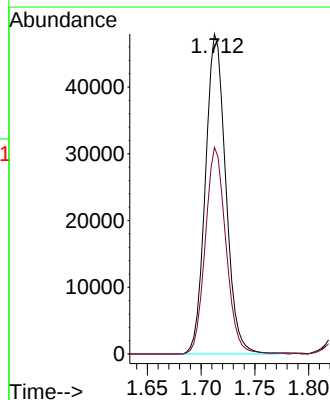
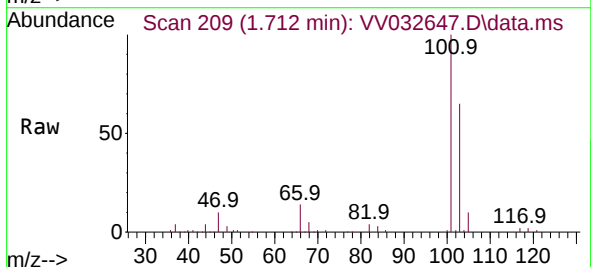
Instrument :
MSVOA_V
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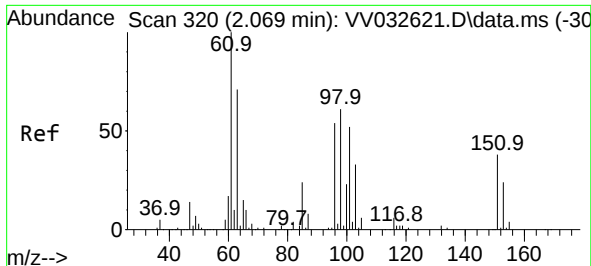
Tgt Ion: 64 Resp: 31821
Ion Ratio Lower Upper
64 100
66 31.5 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.265 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

Tgt Ion:101 Resp: 63125
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.2

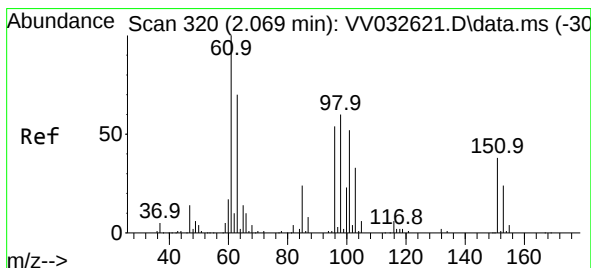
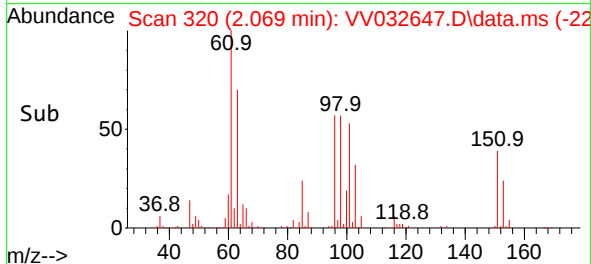
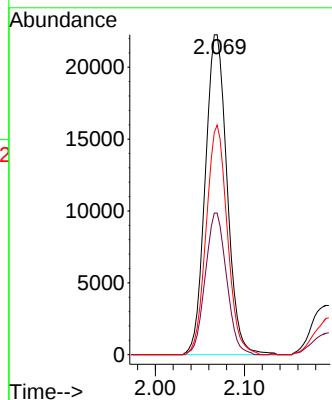
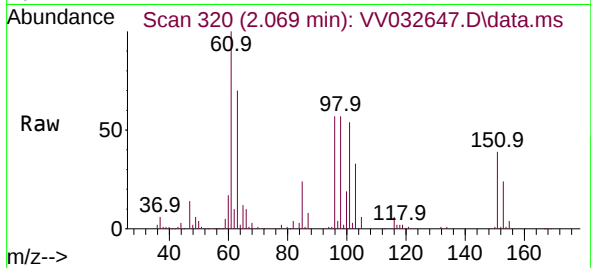




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.203 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV032647.D
 Acq: 25 Oct 2023 20:51

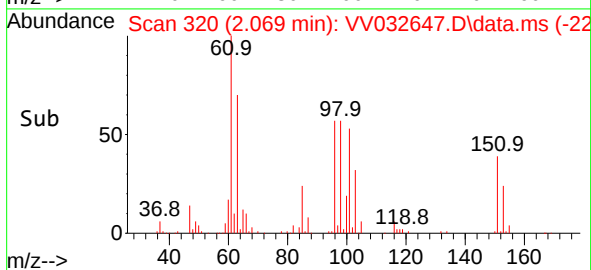
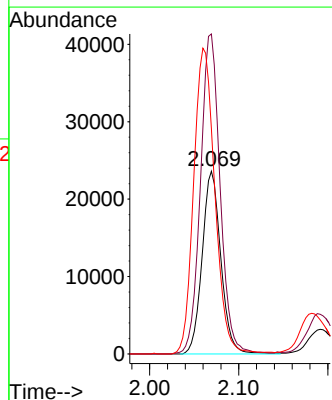
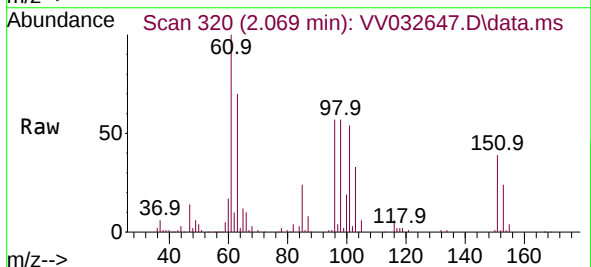
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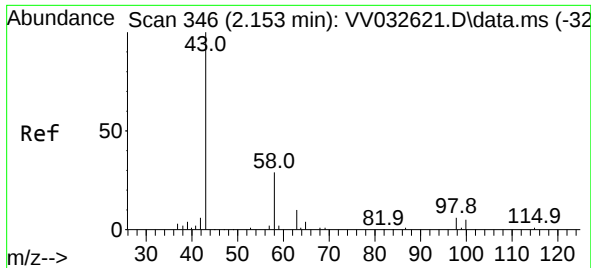
Tgt Ion:101 Resp: 37801
 Ion Ratio Lower Upper
 101 100
 85 43.3 35.0 52.6
 151 69.5 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 5.032 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV032647.D
 Acq: 25 Oct 2023 20:51

Tgt Ion: 96 Resp: 34436
 Ion Ratio Lower Upper
 96 100
 61 175.2 127.3 236.3
 63 123.3 98.3 182.7





#13

Acetone

Concen: 27.320 ug/L

RT: 2.137 min Scan# 346

Delta R.T. -0.016 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

Instrument :

MSVOA_V

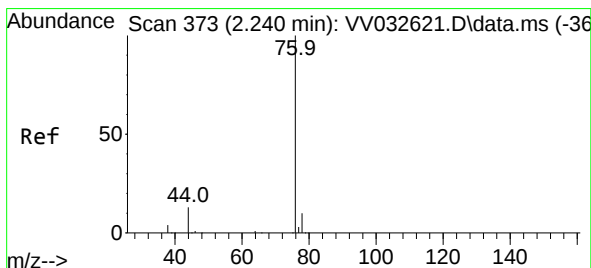
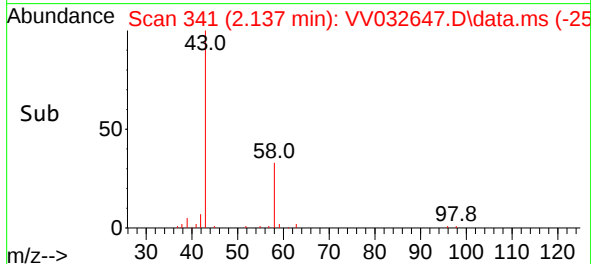
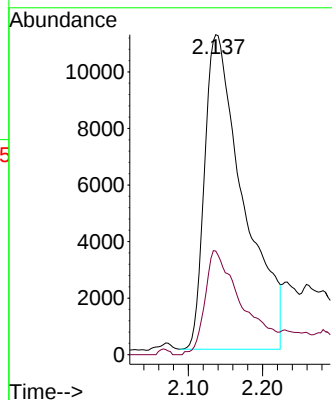
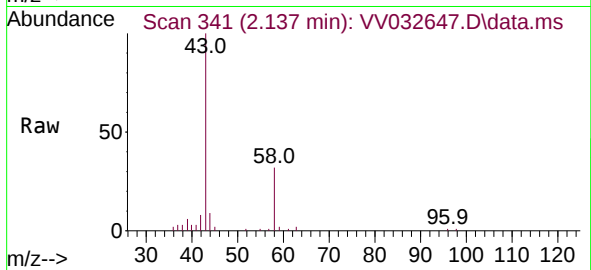
ClientSampleId :

Tgt Ion: 43 Resp: 40424

Ion Ratio Lower Upper

43 100

58 32.2 0.0 66.0



#14

Carbon disulfide

Concen: 3.773 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV032647.D

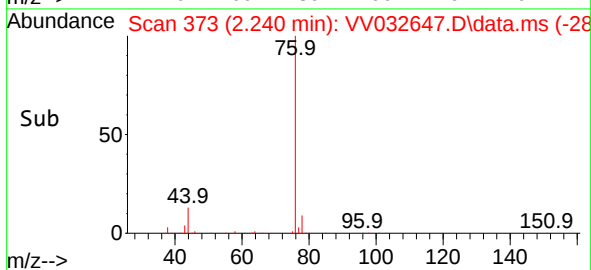
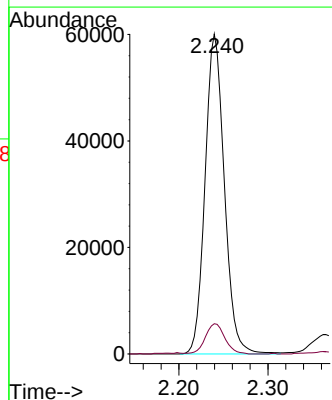
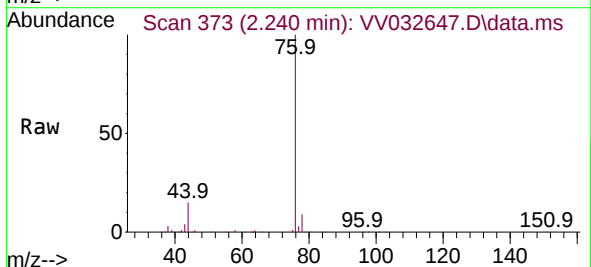
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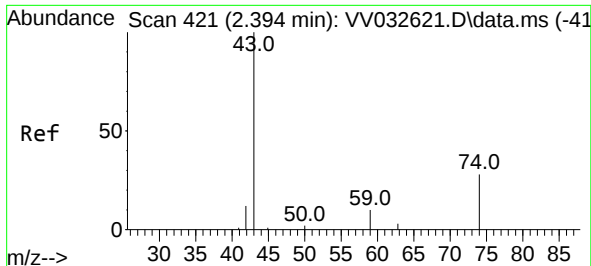
Tgt Ion: 76 Resp: 90268

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

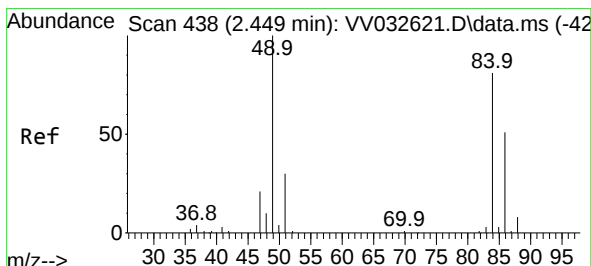
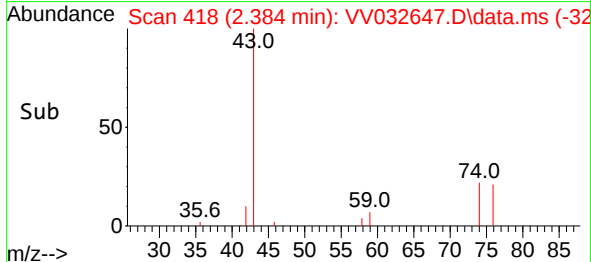
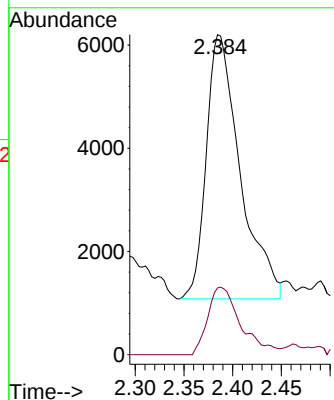
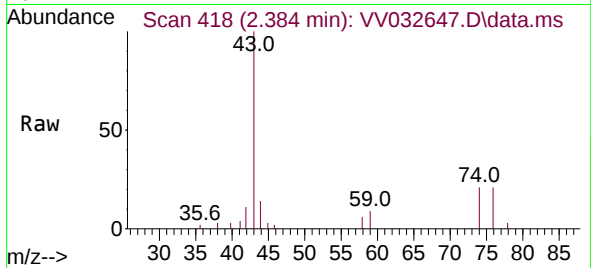




#15
Methyl Acetate
Concen: 3.716 ug/L
RT: 2.384 min Scan# 41
Delta R.T. -0.010 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

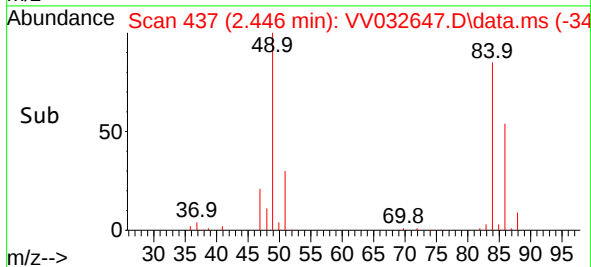
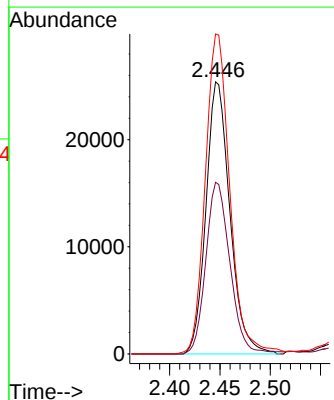
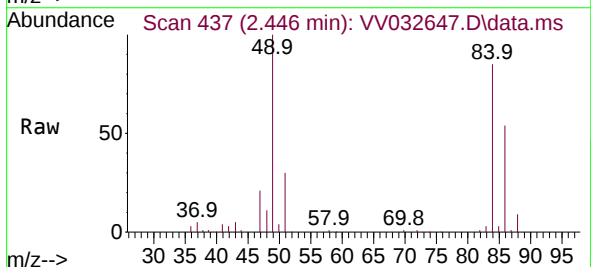
Instrument :
MSVOA_V
ClientSampleId :

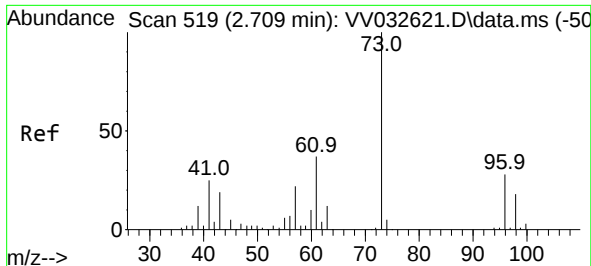
Tgt Ion: 43 Resp: 12379
Ion Ratio Lower Upper
43 100
74 25.0 18.0 27.0



#16
Methylene chloride
Concen: 4.717 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

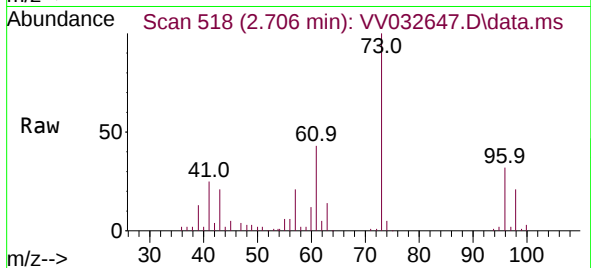
Tgt Ion: 84 Resp: 42087
Ion Ratio Lower Upper
84 100
86 63.1 43.2 80.2
49 117.6 86.3 160.3



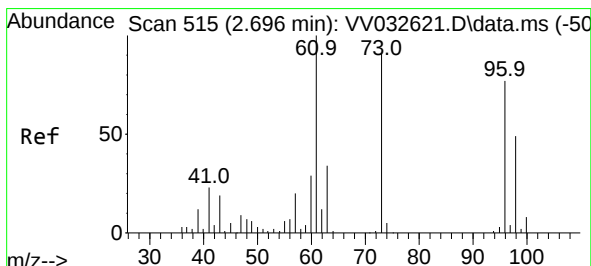
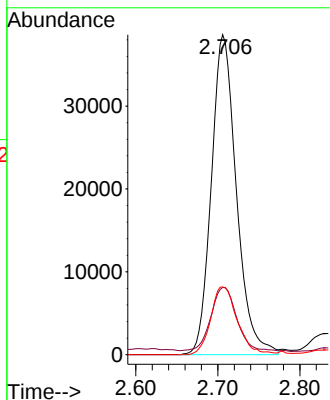
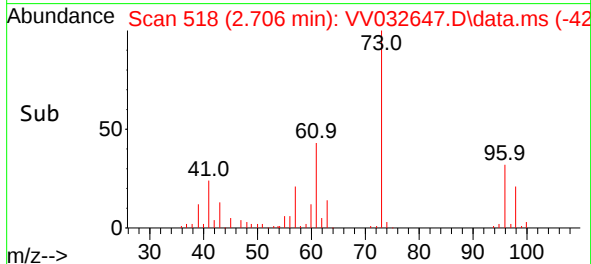


#17
Methyl tert-butyl Ether
Concen: 4.411 ug/L
RT: 2.706 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

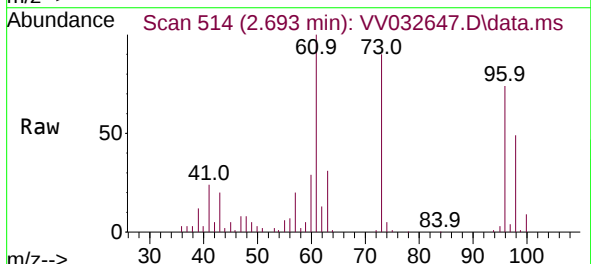
Instrument :
MSVOA_V
ClientSampleId :



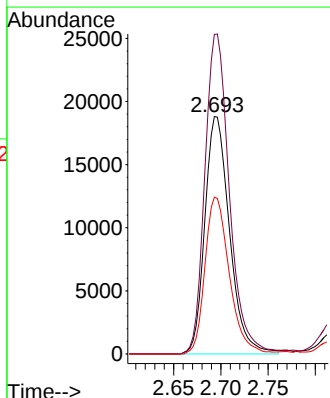
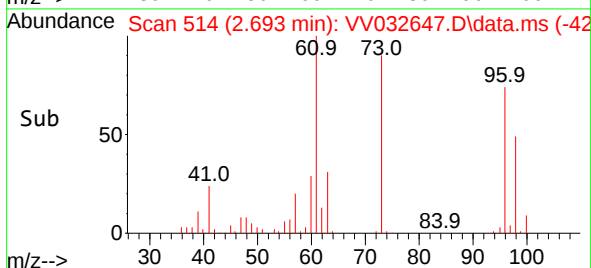
Tgt Ion: 73 Resp: 82180
Ion Ratio Lower Upper
73 100
43 21.1 15.1 22.7
57 22.5 18.3 27.5

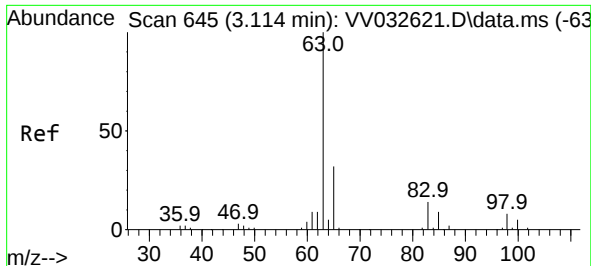


#18
trans-1,2-Dichloroethene
Concen: 4.369 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.003 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51



Tgt Ion: 96 Resp: 34248
Ion Ratio Lower Upper
96 100
61 134.6 96.9 180.1
98 66.1 45.3 84.1





#19

1,1-Dichloroethane

Concen: 4.556 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

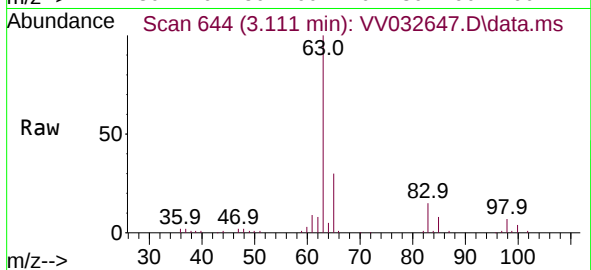
Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

Instrument :

MSVOA_V

ClientSampleId :



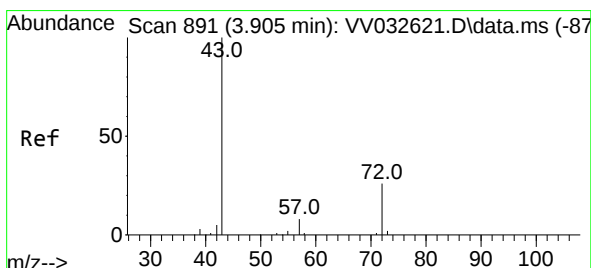
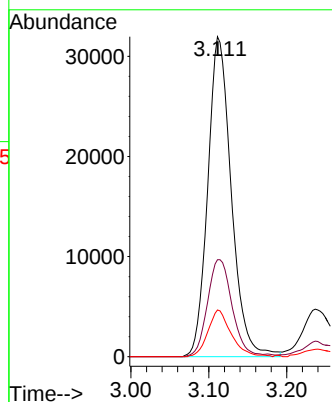
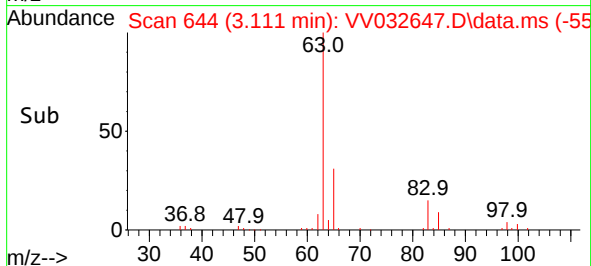
Tgt Ion: 63 Resp: 67174

Ion Ratio Lower Upper

63 100

65 30.3 22.3 41.5

83 14.6 9.0 16.6



#21

2-Butanone

Concen: 30.177 ug/L

RT: 3.892 min Scan# 887

Delta R.T. -0.013 min

Lab File: VV032647.D

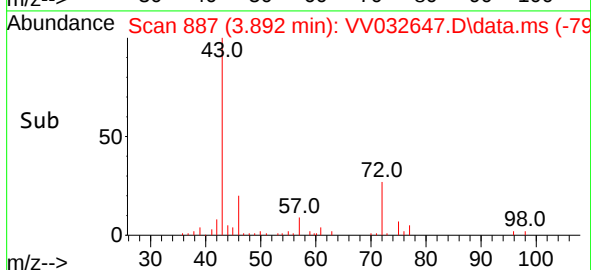
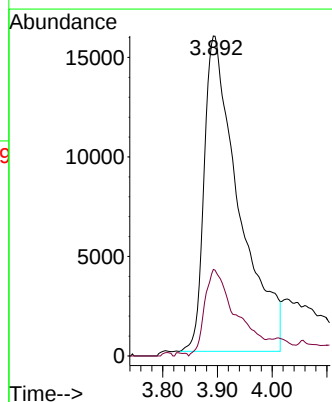
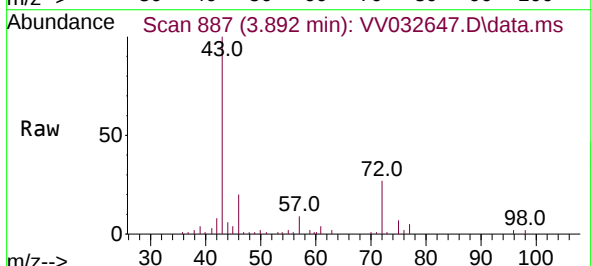
Acq: 25 Oct 2023 20:51

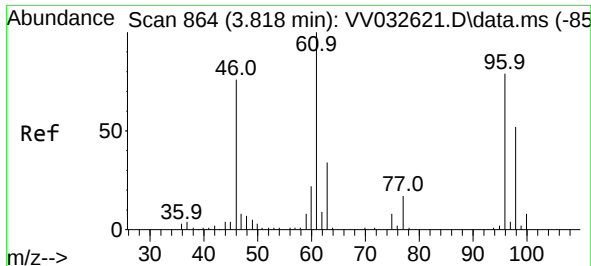
Tgt Ion: 43 Resp: 69825

Ion Ratio Lower Upper

43 100

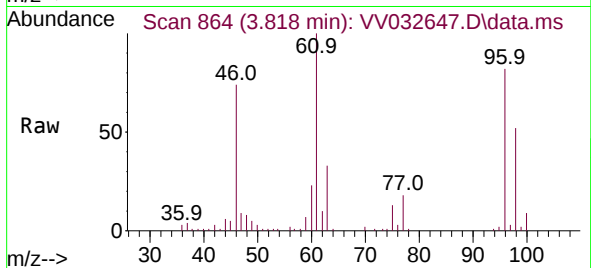
72 25.2 11.6 34.8





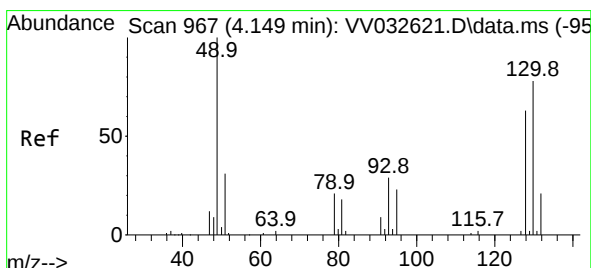
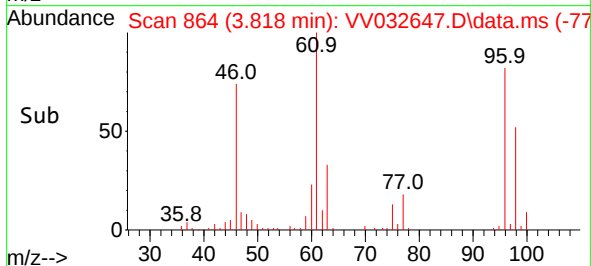
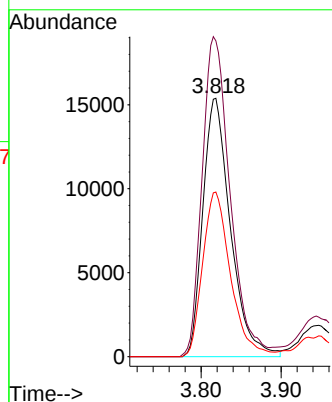
#22
 cis-1,2-Dichloroethene
 Concen: 4.381 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VV032647.D
 Acq: 25 Oct 2023 20:51

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 36979

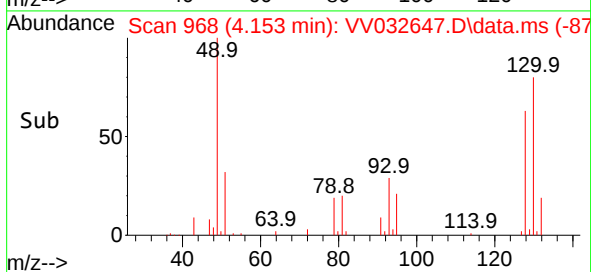
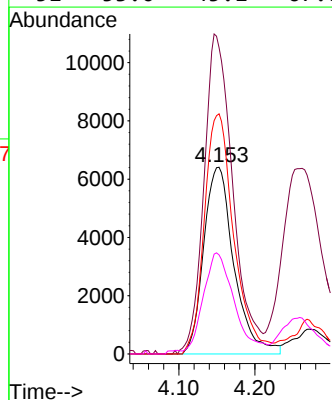
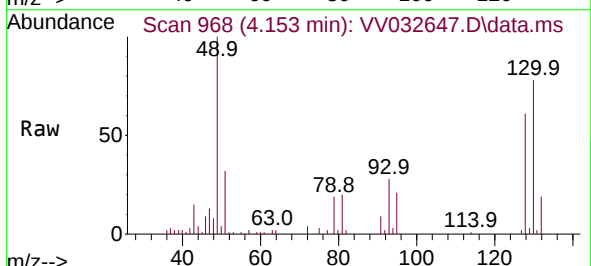
Ion	Ratio	Lower	Upper
96	100		
61	122.2	85.8	159.4
98	63.7	44.0	81.6

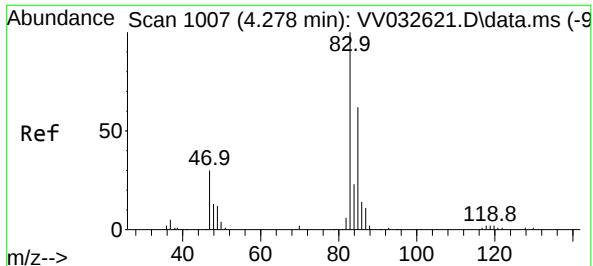


#23
 Bromochloromethane
 Concen: 4.994 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.003 min
 Lab File: VV032647.D
 Acq: 25 Oct 2023 20:51

Tgt Ion: 128 Resp: 17733

Ion	Ratio	Lower	Upper
128	100		
49	164.0	121.2	225.0
130	128.6	88.2	163.8
51	53.0	45.1	67.7





#25

Chloroform

Concen: 5.109 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

Instrument :

MSVOA_V

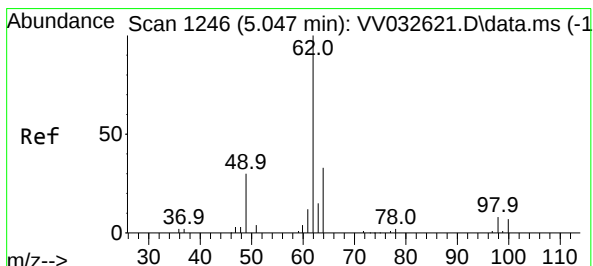
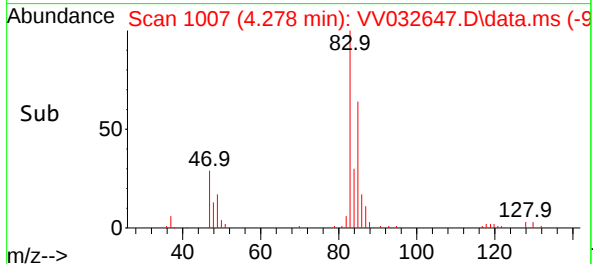
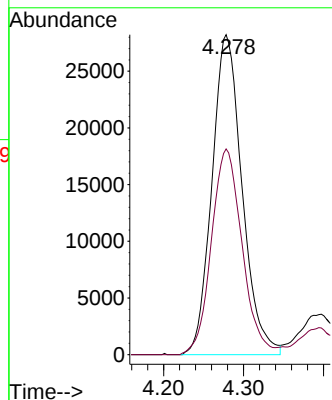
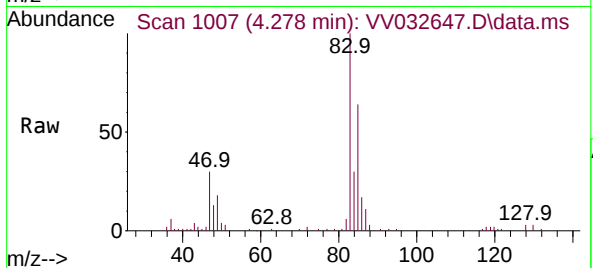
ClientSampleId :

Tgt Ion: 83 Resp: 73922

Ion Ratio Lower Upper

83 100

85 64.3 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.144 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VV032647.D

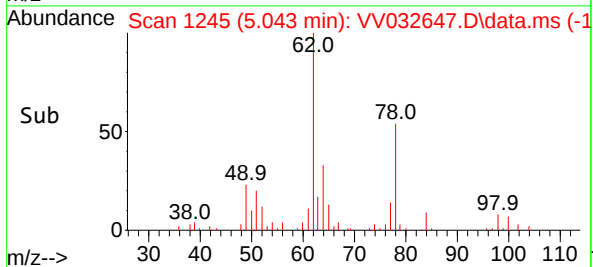
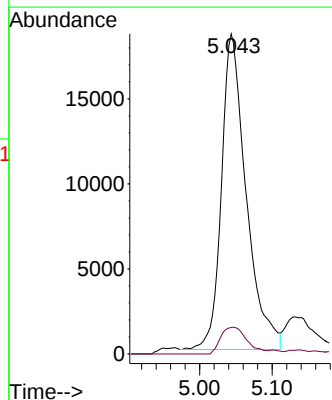
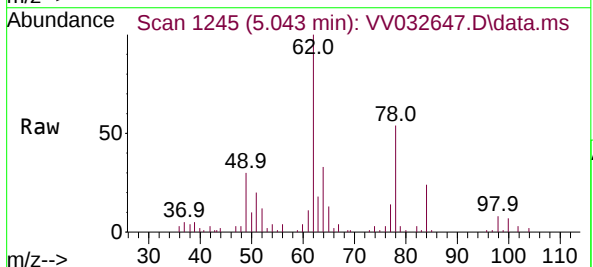
Acq: 25 Oct 2023 20:51

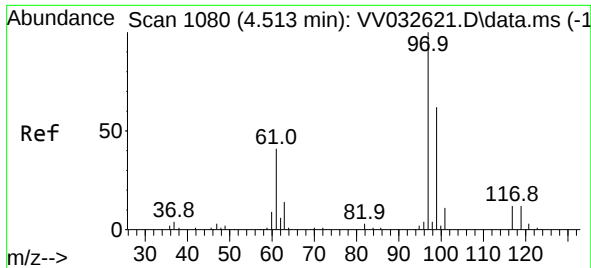
Tgt Ion: 62 Resp: 43964

Ion Ratio Lower Upper

62 100

98 8.3 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.119 ug/L

RT: 4.513 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

Instrument :

MSVOA_V

ClientSampleId :

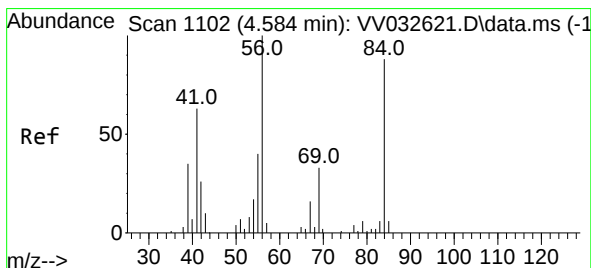
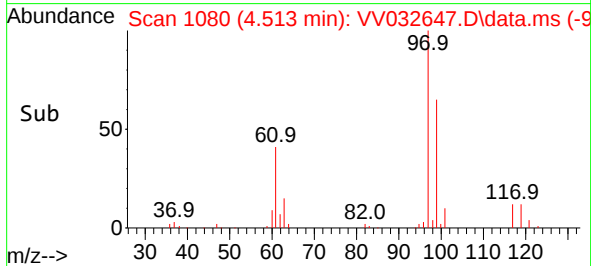
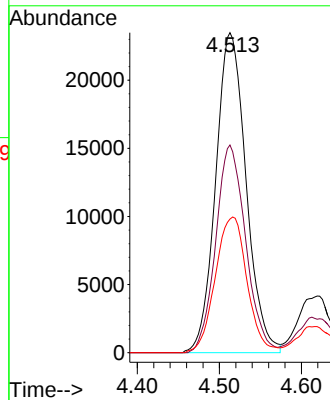
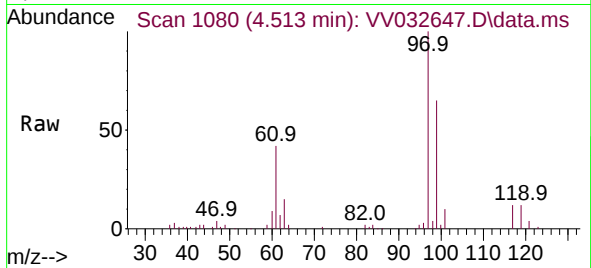
Tgt Ion: 97 Resp: 60565

Ion Ratio Lower Upper

97 100

99 63.9 50.1 75.1

61 44.4 35.1 52.7



#30

Cyclohexane

Concen: 2.873 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

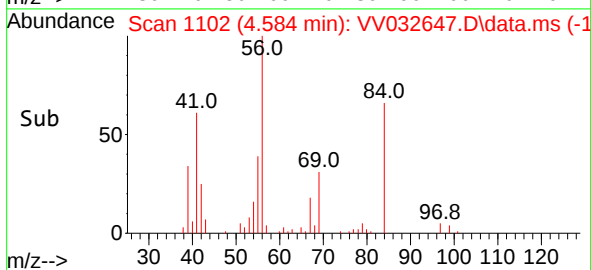
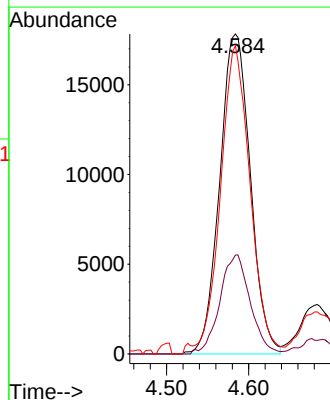
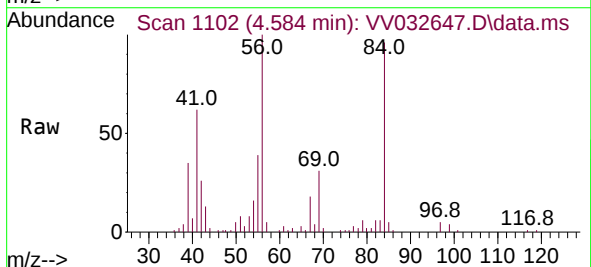
Tgt Ion: 56 Resp: 46418

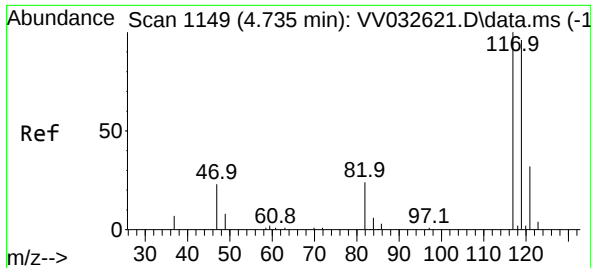
Ion Ratio Lower Upper

56 100

69 30.5 24.2 36.2

84 88.1 68.1 102.1

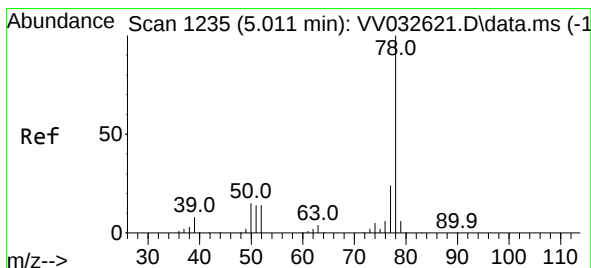
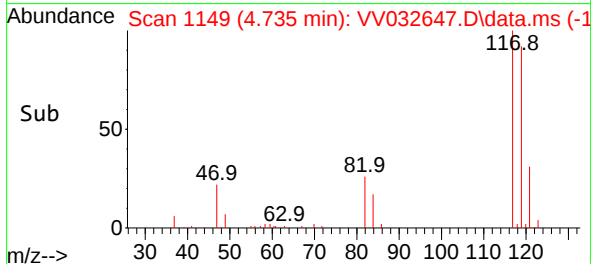
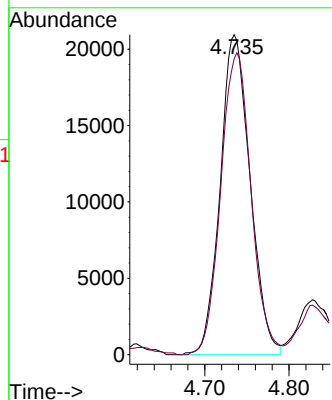
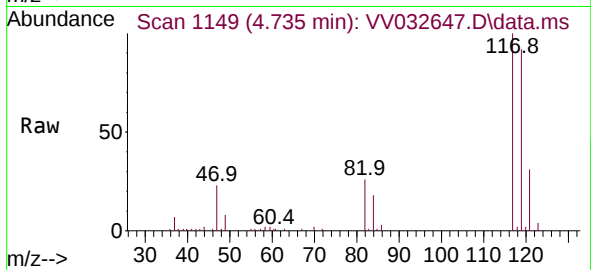




#31
Carbon tetrachloride
Concen: 4.151 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

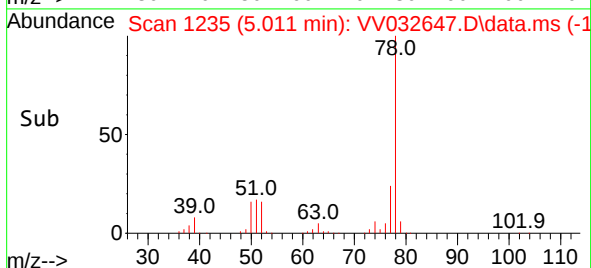
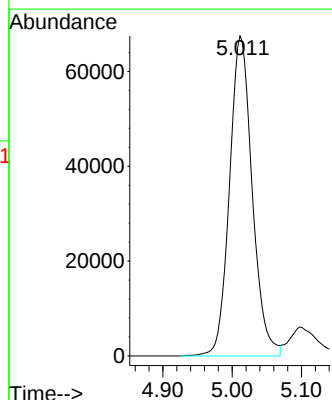
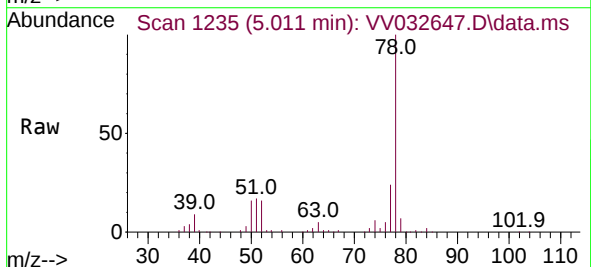
Instrument :
MSVOA_V
ClientSampleId :

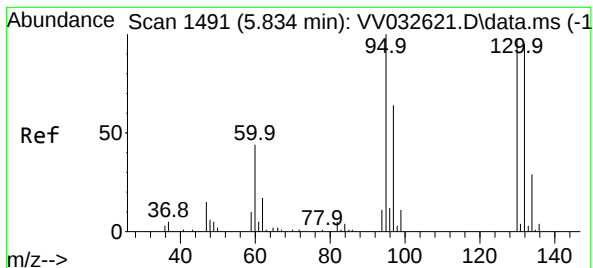
Tgt Ion:117 Resp: 51649
Ion Ratio Lower Upper
117 100
119 95.7 77.6 116.4



#33
Benzene
Concen: 4.035 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

Tgt Ion: 78 Resp: 153668





#34

Trichloroethene

Concen: 3.678 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 38237

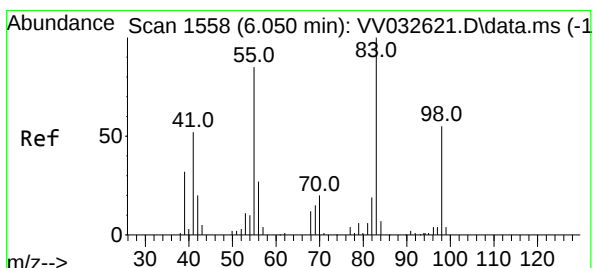
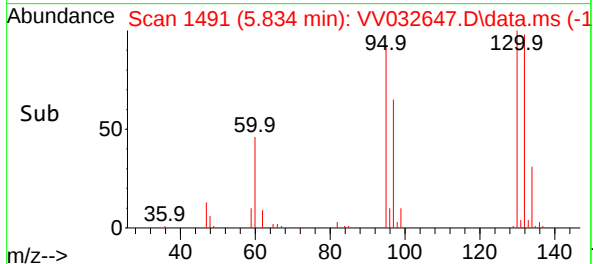
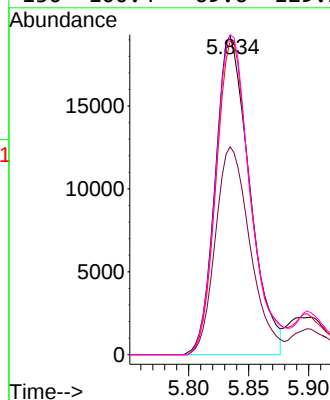
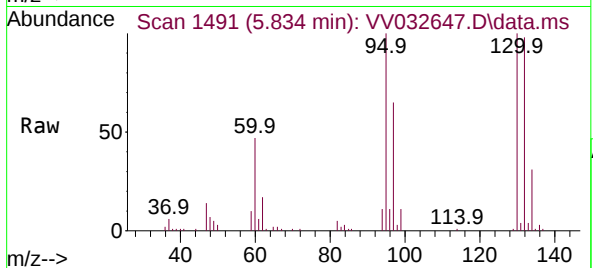
Ion Ratio Lower Upper

95 100

97 65.2 45.7 84.9

132 98.3 70.3 130.5

130 100.4 69.6 129.2



#35

Methylcyclohexane

Concen: 3.370 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

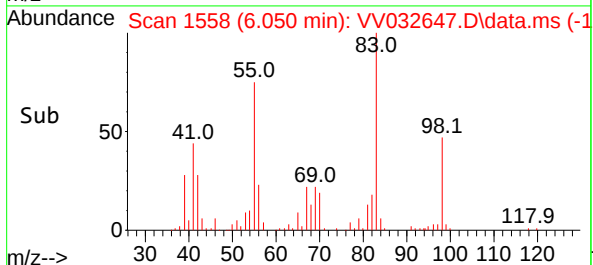
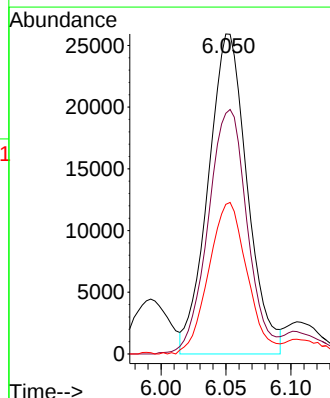
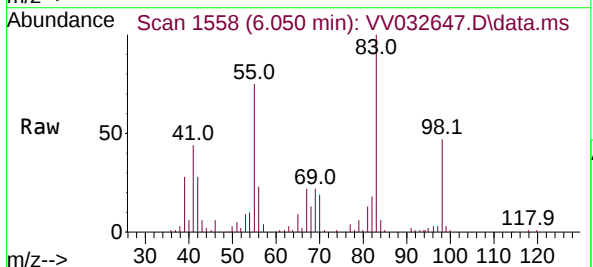
Tgt Ion: 83 Resp: 54217

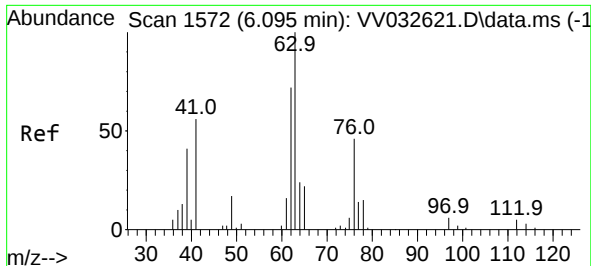
Ion Ratio Lower Upper

83 100

55 76.3 64.2 96.2

98 46.5 39.6 59.4





#37

1,2-Dichloropropane

Concen: 3.747 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

Instrument :

MSVOA_V

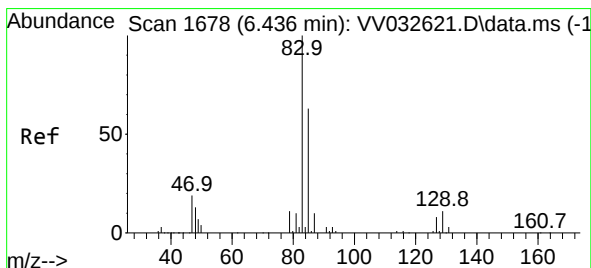
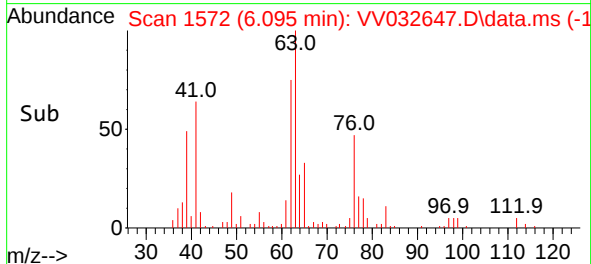
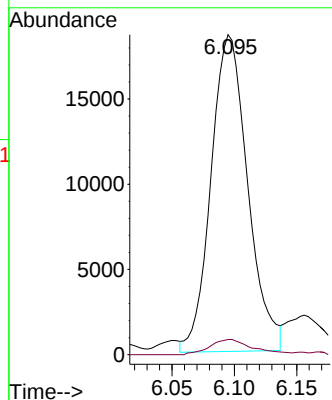
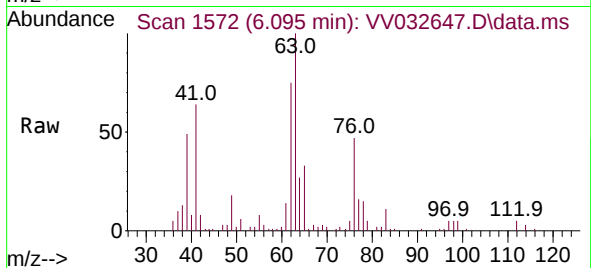
ClientSampleId :

Tgt Ion: 63 Resp: 38156

Ion Ratio Lower Upper

63 100

112 5.6 3.4 5.2#



#38

Bromodichloromethane

Concen: 4.842 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

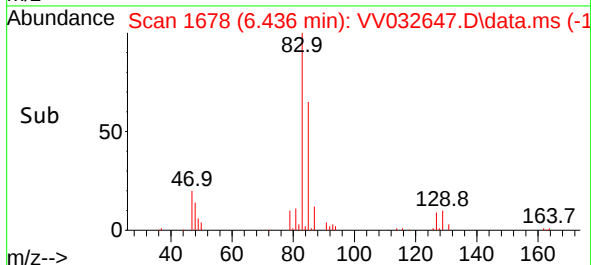
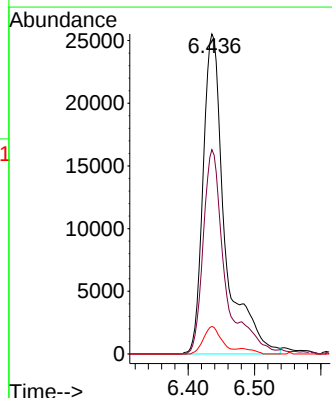
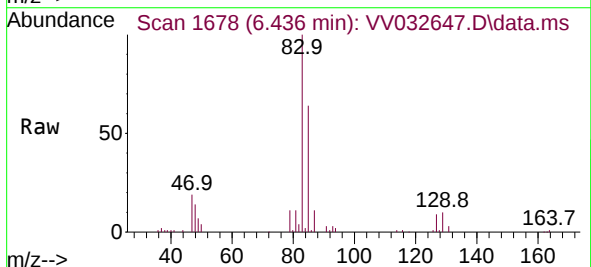
Tgt Ion: 83 Resp: 58584

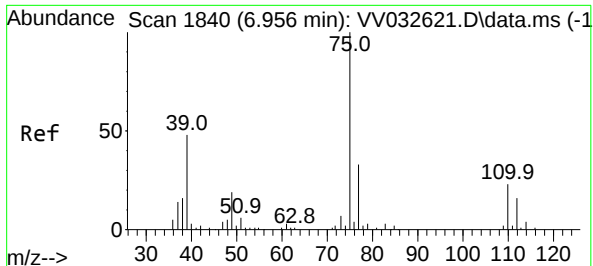
Ion Ratio Lower Upper

83 100

85 63.9 44.9 83.3

127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.002 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

Instrument :

MSVOA_V

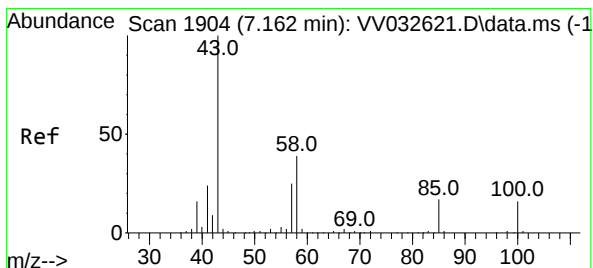
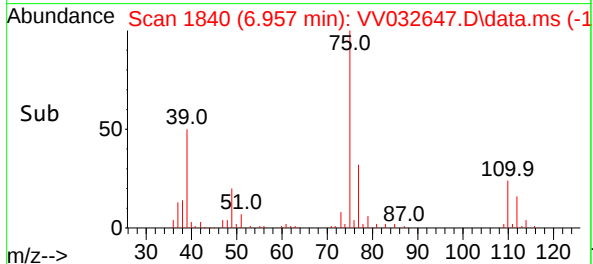
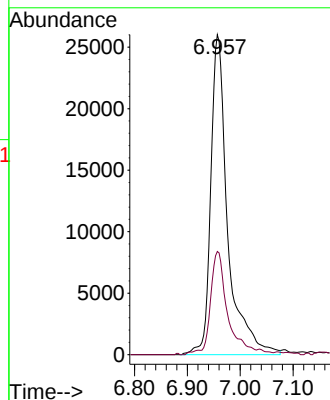
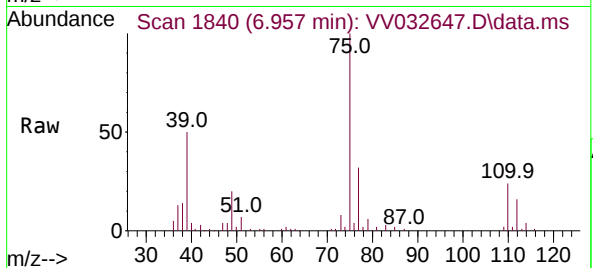
ClientSampleId :

Tgt Ion: 75 Resp: 57992

Ion Ratio Lower Upper

75 100

77 32.3 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 40.687 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

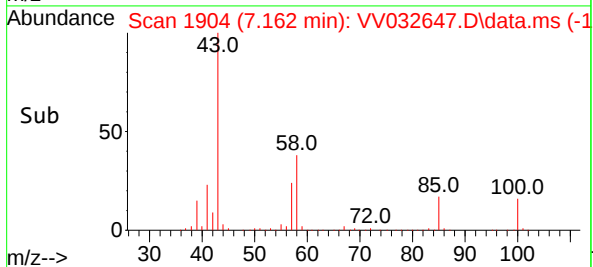
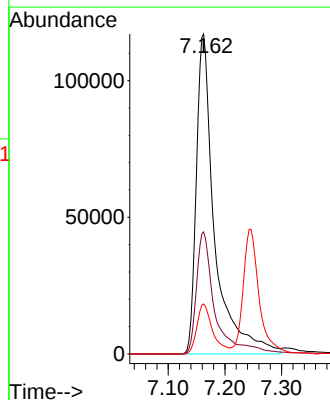
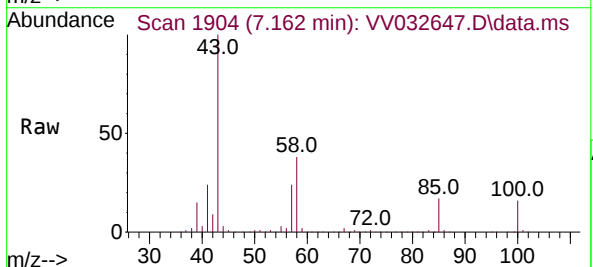
Tgt Ion: 43 Resp: 262208

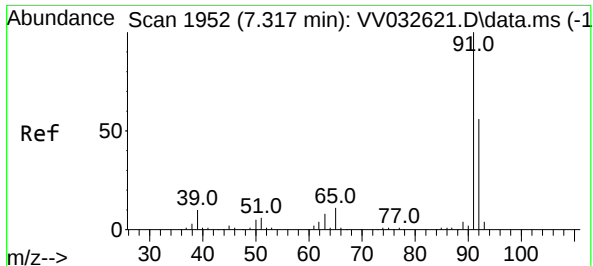
Ion Ratio Lower Upper

43 100

58 38.9 31.9 47.9

100 13.6 11.3 16.9





#42

Toluene

Concen: 4.485 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

Instrument :

MSVOA_V

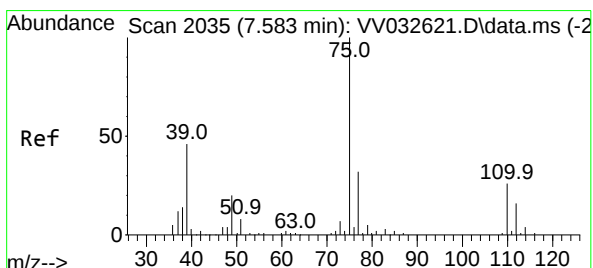
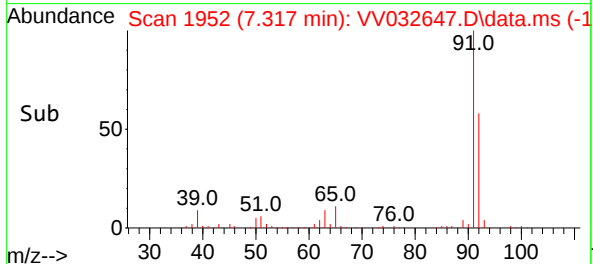
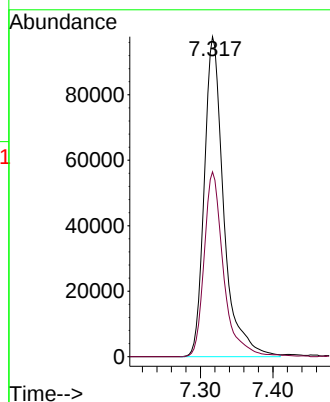
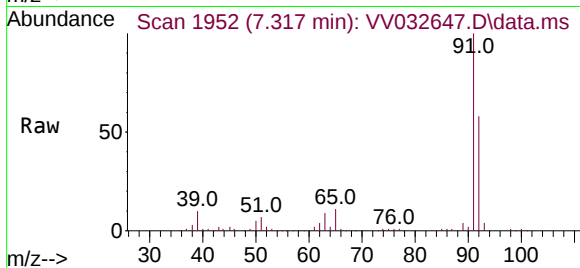
ClientSampleId :

Tgt Ion: 91 Resp: 182058

Ion Ratio Lower Upper

91 100

92 57.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.130 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV032647.D

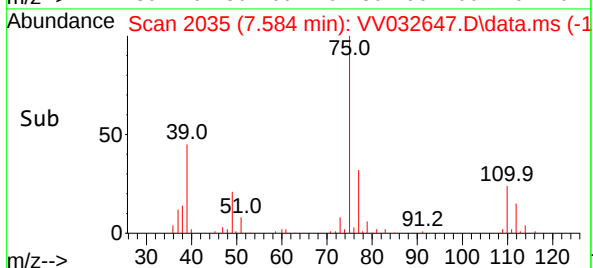
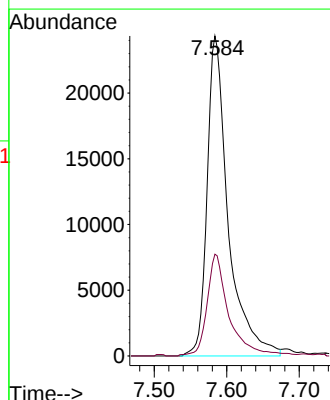
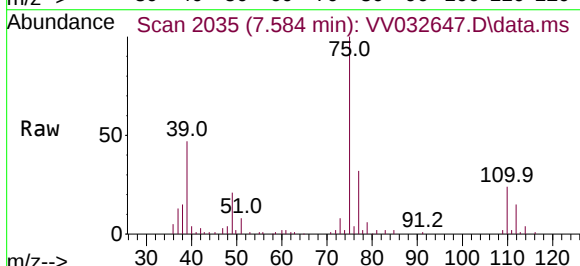
Acq: 25 Oct 2023 20:51

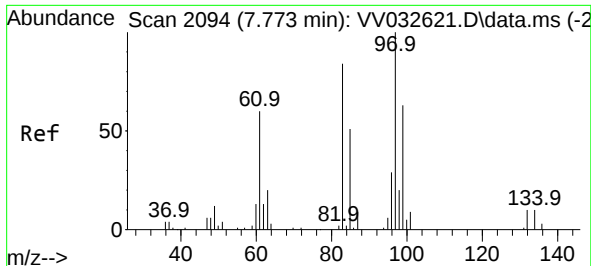
Tgt Ion: 75 Resp: 49186

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 4.740 ug/L

RT: 7.770 min Scan# 2094

Delta R.T. -0.003 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 34053

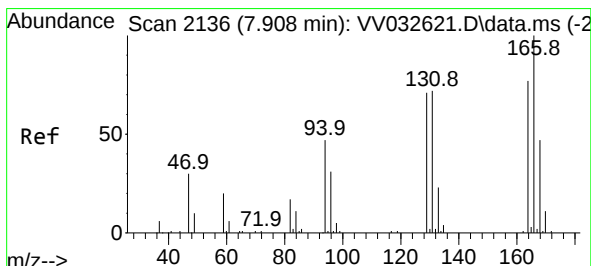
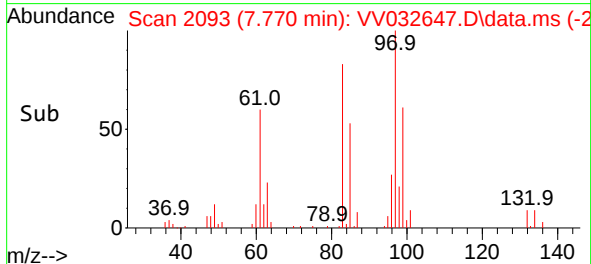
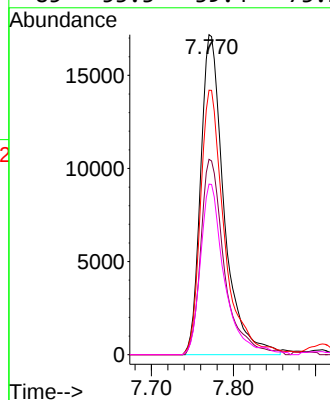
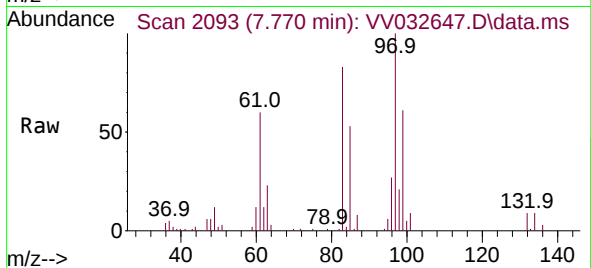
Ion Ratio Lower Upper

97 100

99 61.0 42.8 79.4

83 82.7 60.9 113.1

85 53.3 39.4 73.2



#47

Tetrachloroethene

Concen: 4.298 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

Tgt Ion:164 Resp: 33880

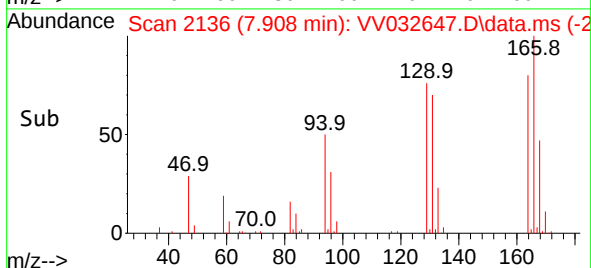
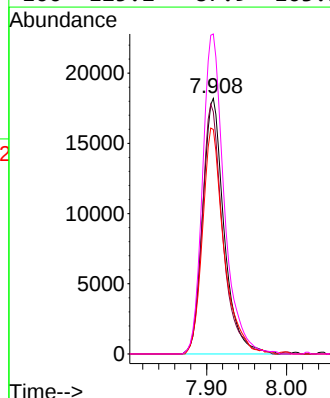
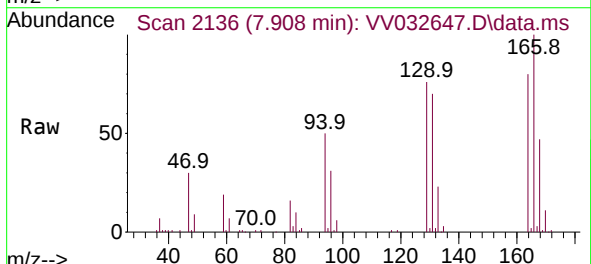
Ion Ratio Lower Upper

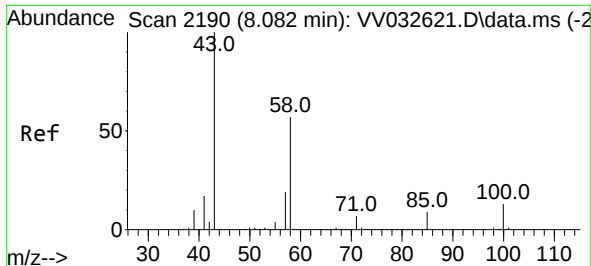
164 100

129 94.8 66.4 123.4

131 87.9 63.7 118.3

166 125.2 87.9 163.3

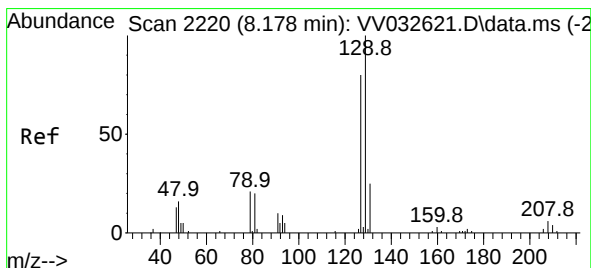
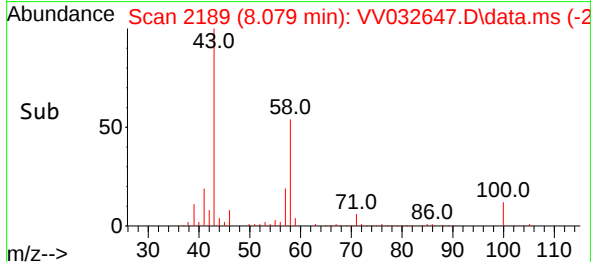
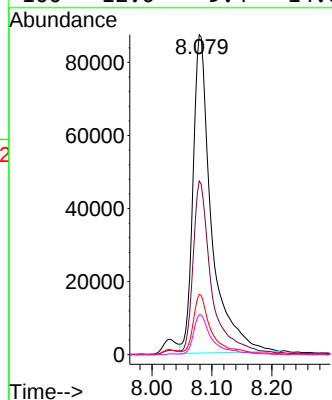
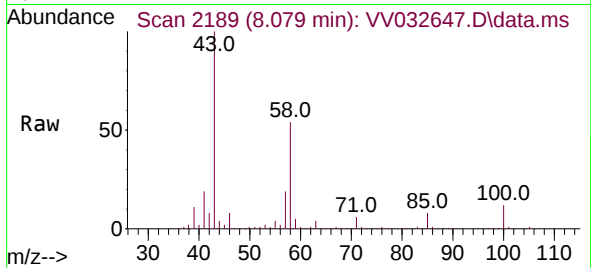




#48
2-Hexanone
Concen: 41.164 ug/L
RT: 8.079 min Scan# 2190
Delta R.T. -0.003 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

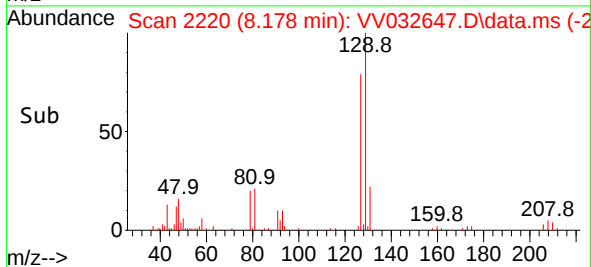
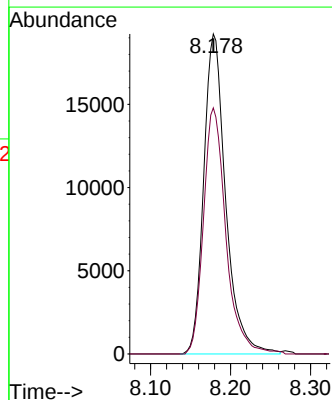
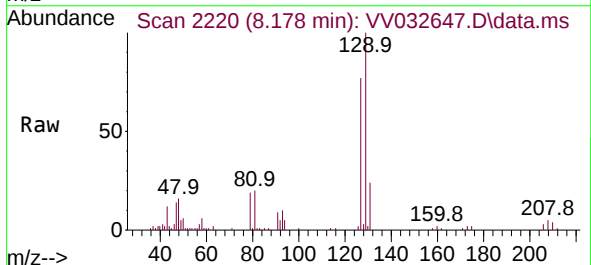
Instrument :
MSVOA_V
ClientSampleId :

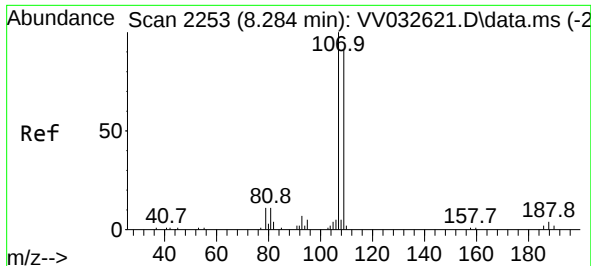
Tgt Ion: 43 Resp: 187168
Ion Ratio Lower Upper
43 100
58 53.4 43.6 65.4
57 17.6 14.6 22.0
100 12.0 9.4 14.0



#49
Dibromochloromethane
Concen: 4.923 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

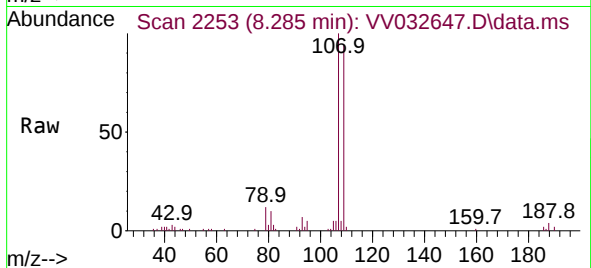
Tgt Ion: 129 Resp: 36819
Ion Ratio Lower Upper
129 100
127 76.9 57.2 106.2



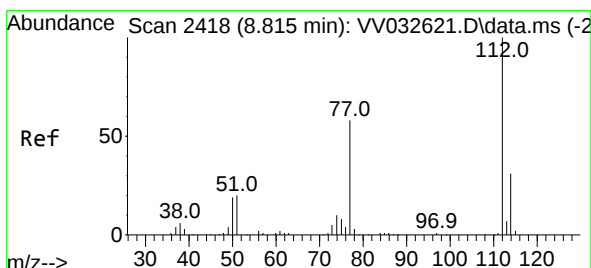
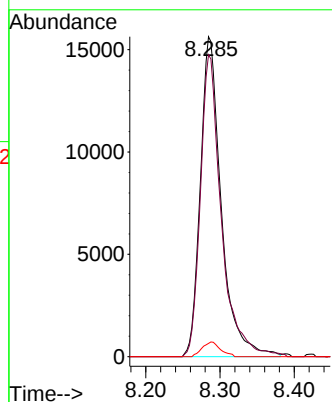
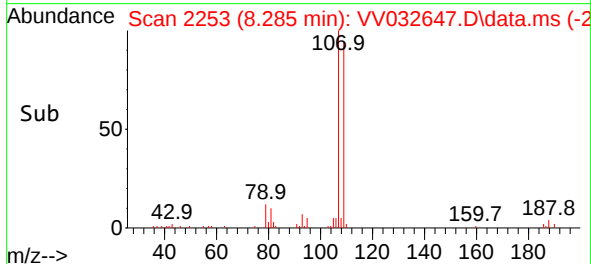


#50
 1,2-Dibromoethane
 Concen: 4.504 ug/L
 RT: 8.285 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV032647.D
 Acq: 25 Oct 2023 20:51

Instrument :
 MSVOA_V
 ClientSampleId :

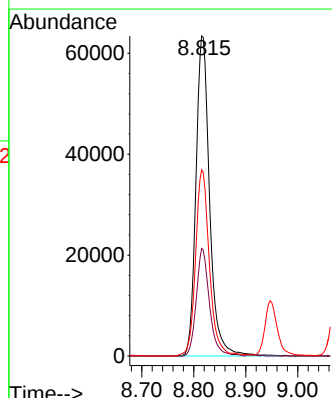
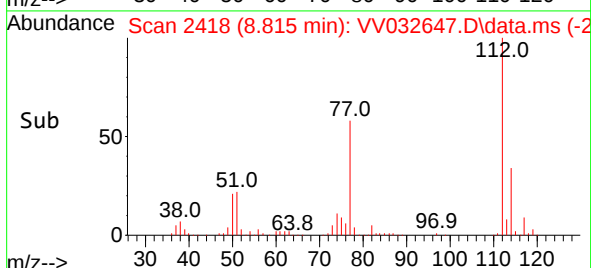
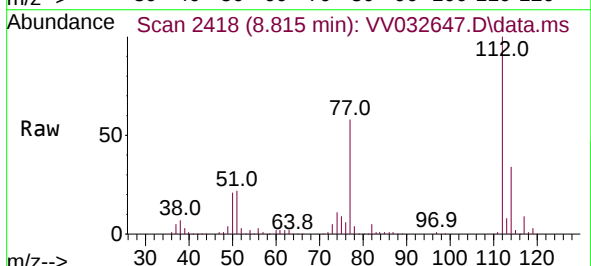


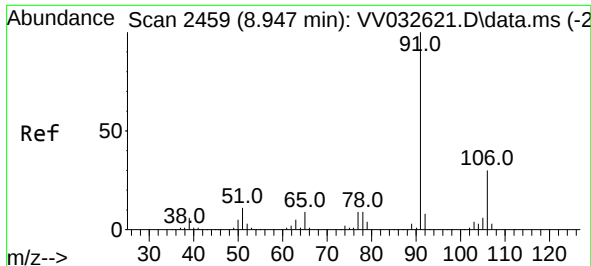
Tgt Ion:107 Resp: 30604
 Ion Ratio Lower Upper
 107 100
 109 94.4 68.4 127.0
 188 4.1 3.2 4.8



#51
 Chlorobenzene
 Concen: 4.444 ug/L
 RT: 8.815 min Scan# 2418
 Delta R.T. 0.000 min
 Lab File: VV032647.D
 Acq: 25 Oct 2023 20:51

Tgt Ion:112 Resp: 116142
 Ion Ratio Lower Upper
 112 100
 114 33.6 22.1 41.1
 77 58.2 46.1 69.1

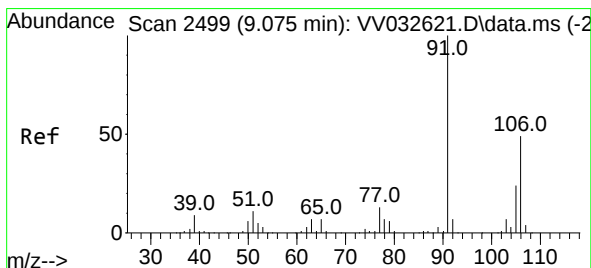
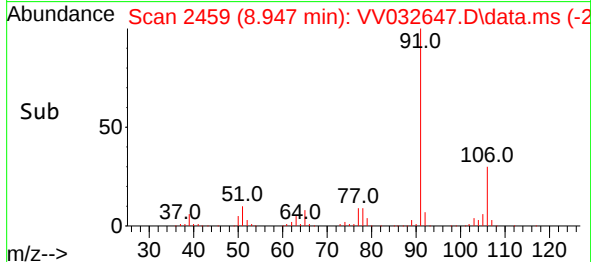
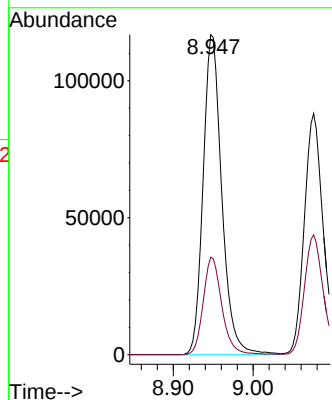
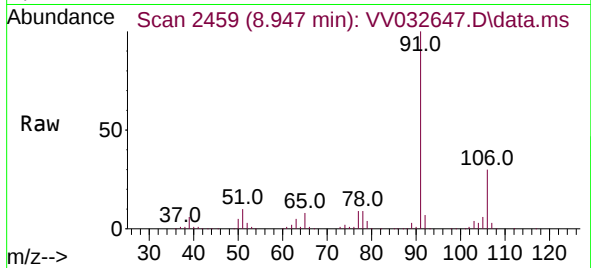




#52
Ethylbenzene
Concen: 4.202 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

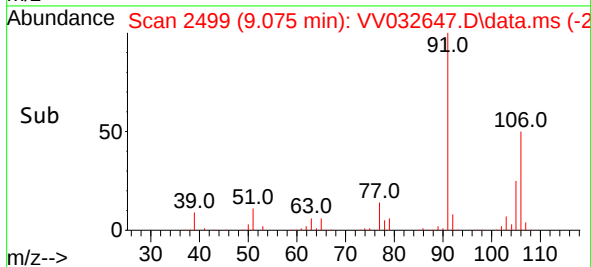
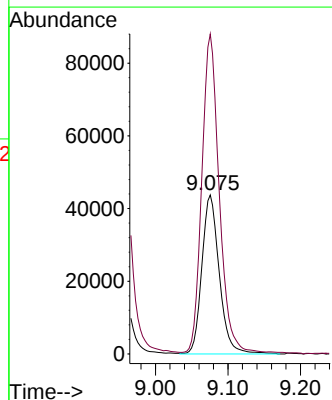
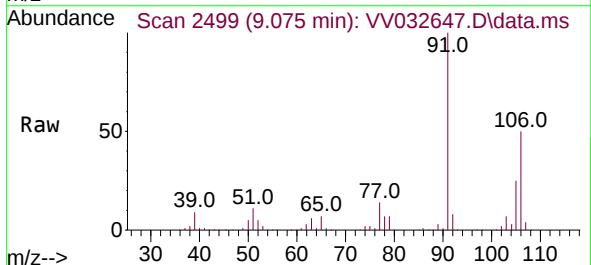
Instrument :
MSVOA_V
ClientSampleId :

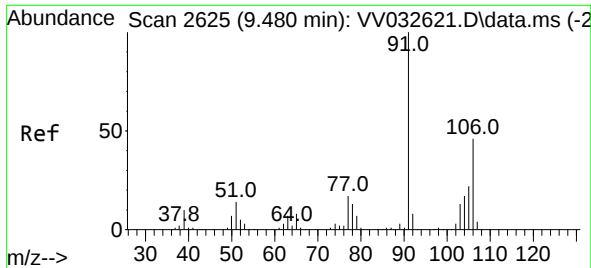
Tgt Ion: 91 Resp: 189959
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.5



#53
m,p-Xylene
Concen: 4.360 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

Tgt Ion: 106 Resp: 73098
Ion Ratio Lower Upper
106 100
91 201.2 144.5 268.3

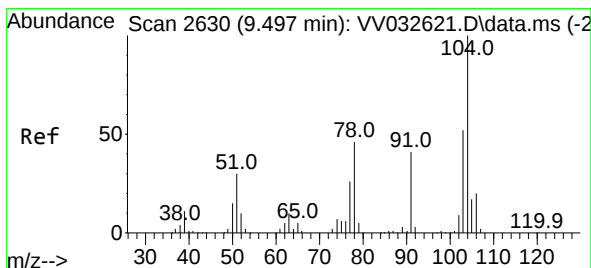
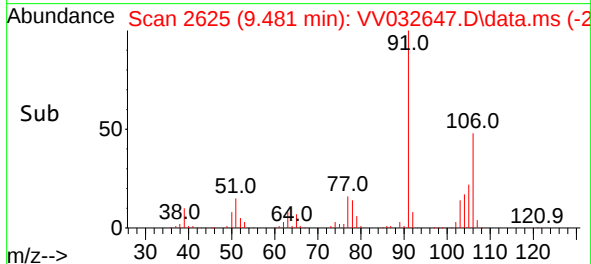
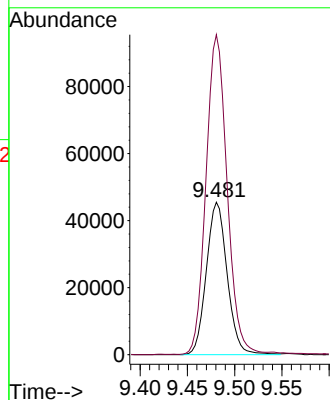
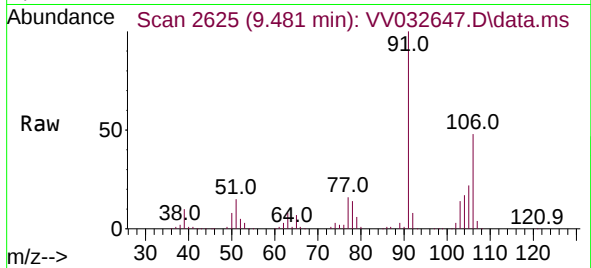




#54
o-Xylene
Concen: 4.320 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

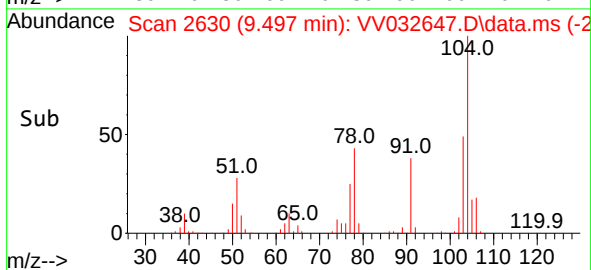
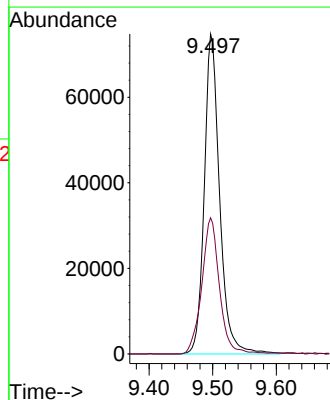
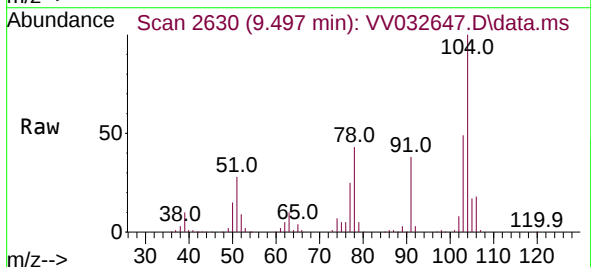
Instrument :
MSVOA_V
ClientSampleId :

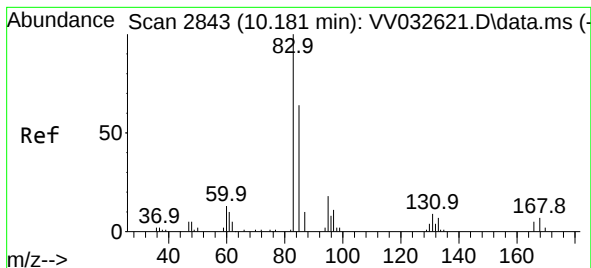
Tgt Ion:106 Resp: 69787
Ion Ratio Lower Upper
106 100
91 209.8 154.8 287.4



#55
Styrene
Concen: 4.603 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

Tgt Ion:104 Resp: 125564
Ion Ratio Lower Upper
104 100
78 42.6 29.9 55.5

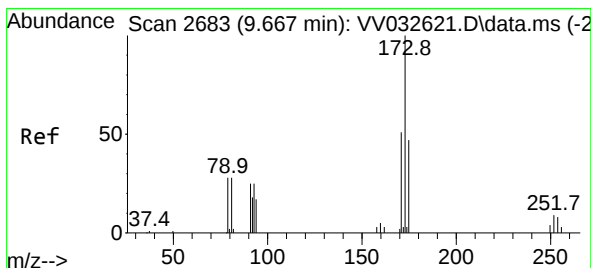
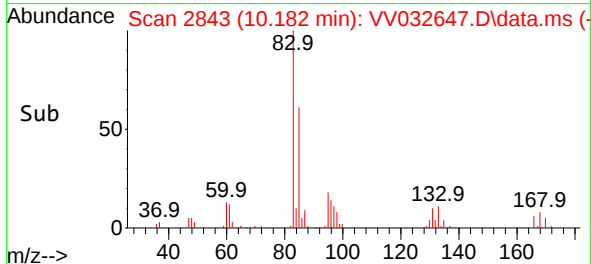
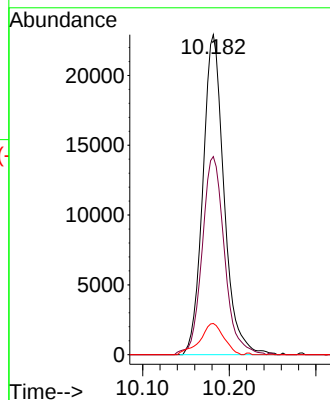
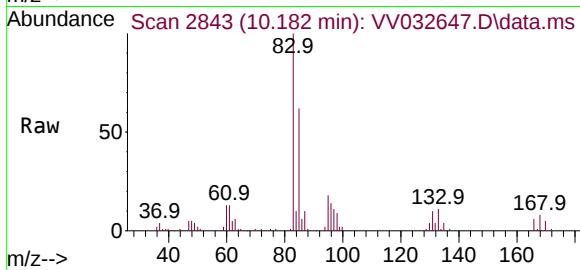




#57
1,1,2,2-Tetrachloroethane
Concen: 4.921 ug/L
RT: 10.182 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

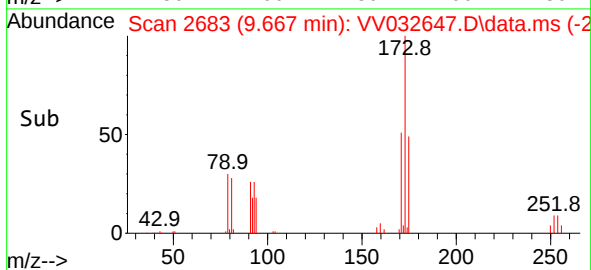
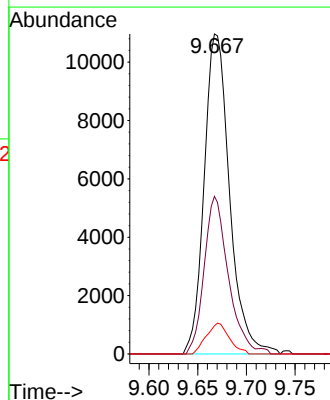
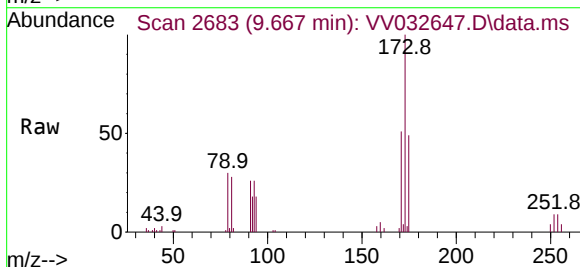
Instrument :
MSVOA_V
ClientSampleId :

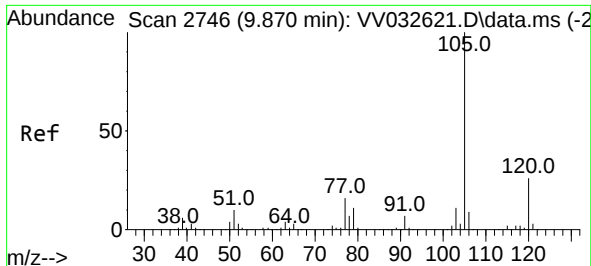
Tgt Ion: 83 Resp: 38895
Ion Ratio Lower Upper
83 100
85 61.9 43.6 81.0
131 9.7 7.0 10.6



#59
Bromoform
Concen: 4.844 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

Tgt Ion: 173 Resp: 19892
Ion Ratio Lower Upper
173 100
175 47.0 38.2 57.2
254 8.7 7.0 10.4

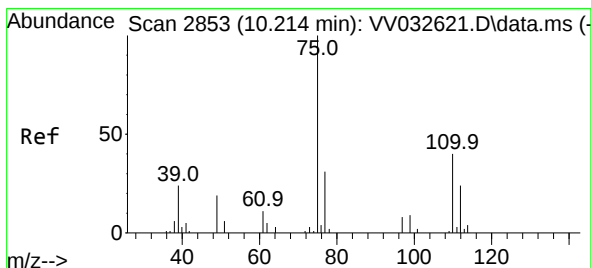
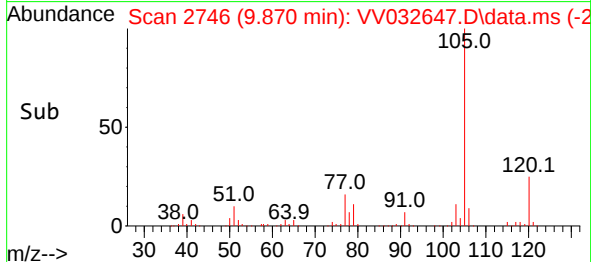
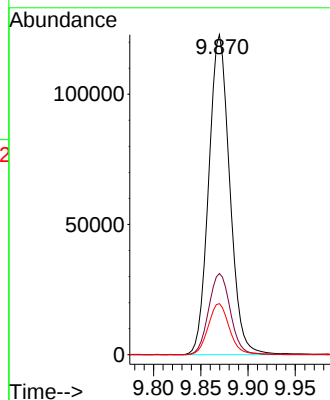
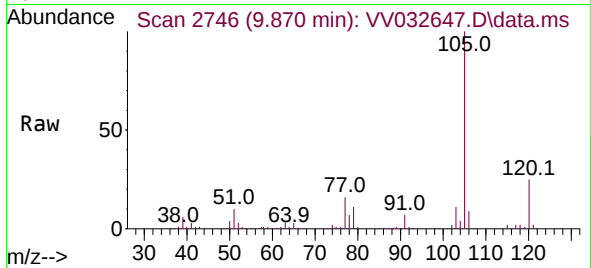




#60
Isopropylbenzene
Concen: 4.329 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

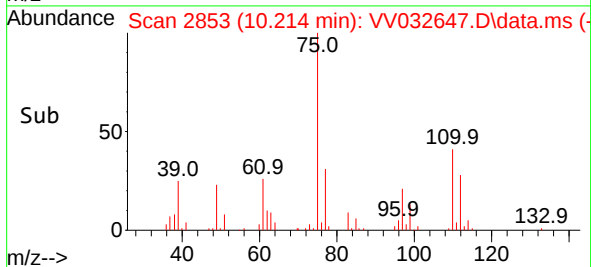
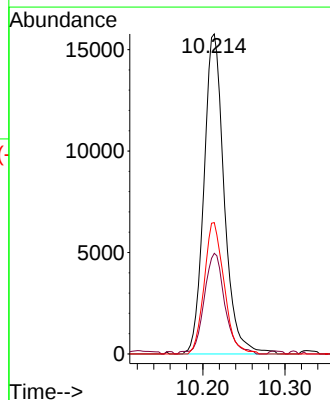
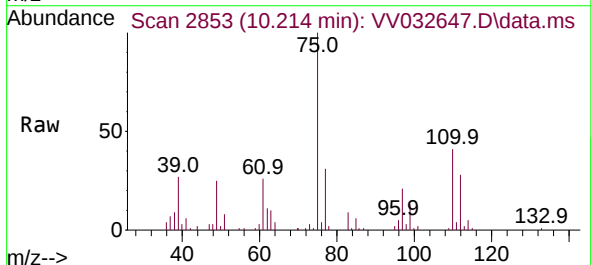
Instrument :
MSVOA_V
ClientSampleId :

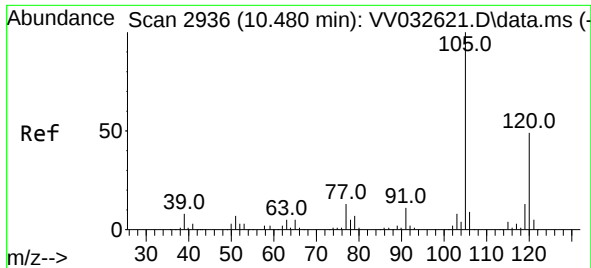
Tgt Ion:105 Resp: 189989
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.6
77 16.3 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.505 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

Tgt Ion: 75 Resp: 27078
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2
110 40.4 30.6 46.0

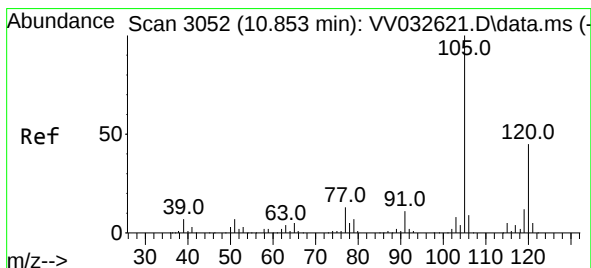
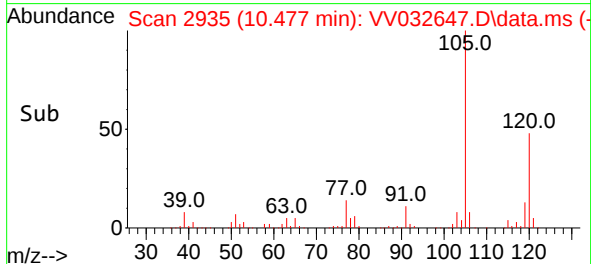
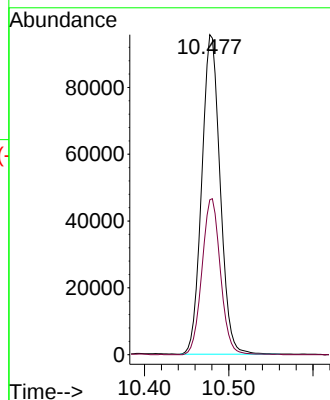
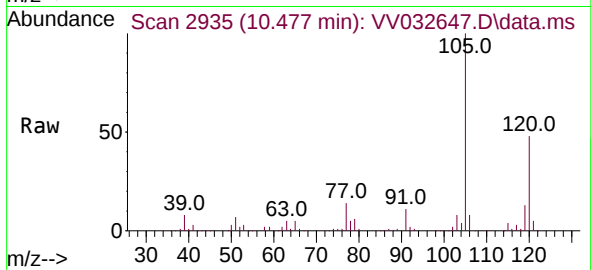




#62
 1,3,5-Trimethylbenzene
 Concen: 4.066 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. -0.003 min
 Lab File: VV032647.D
 Acq: 25 Oct 2023 20:51

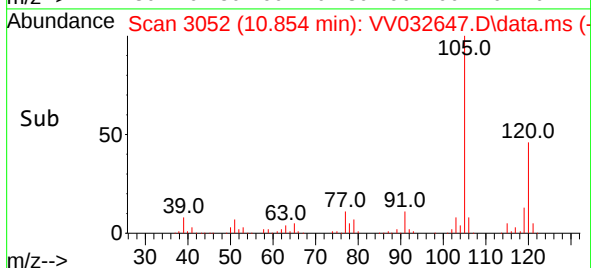
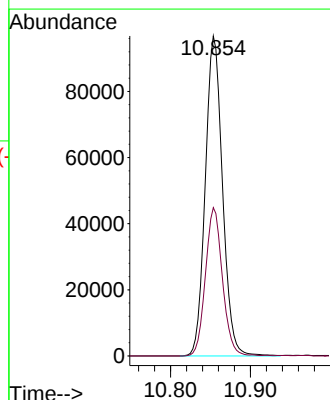
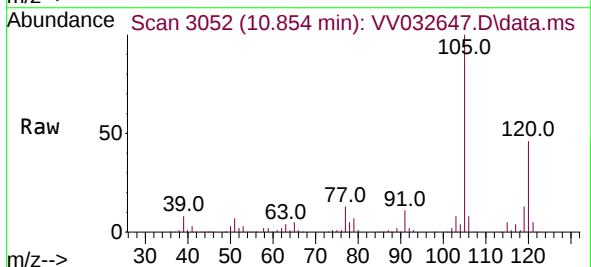
Instrument :
 MSVOA_V
 ClientSampleId :

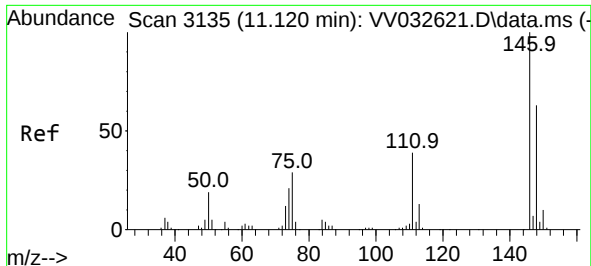
Tgt Ion:105 Resp: 145433
 Ion Ratio Lower Upper
 105 100
 120 49.1 39.9 59.9



#63
 1,2,4-Trimethylbenzene
 Concen: 4.078 ug/L
 RT: 10.854 min Scan# 3052
 Delta R.T. 0.000 min
 Lab File: VV032647.D
 Acq: 25 Oct 2023 20:51

Tgt Ion:105 Resp: 145231
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.2 54.4

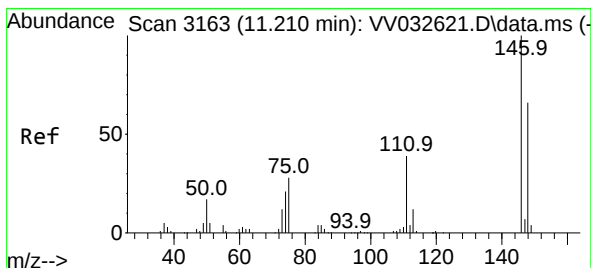
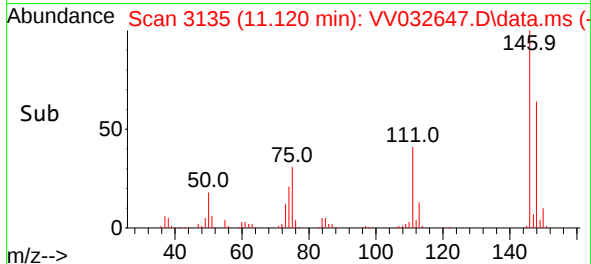
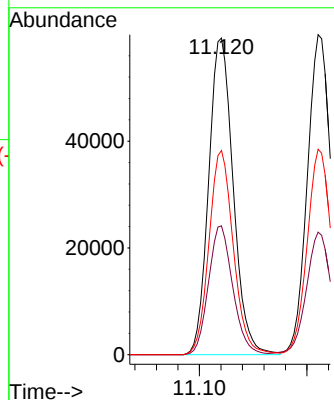
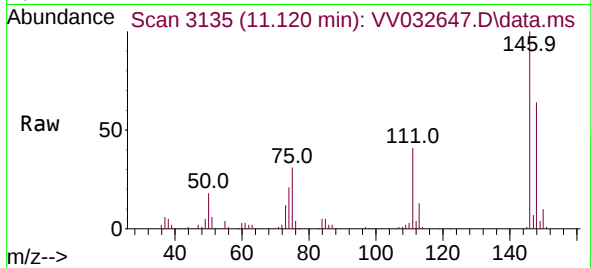




#64
1,3-Dichlorobenzene
Concen: 4.486 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

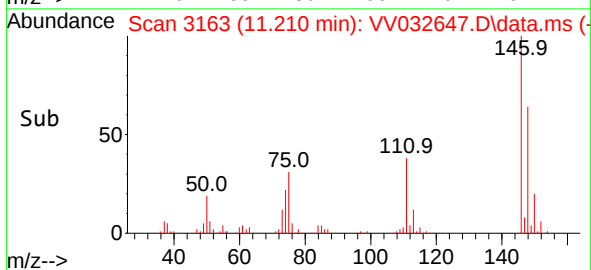
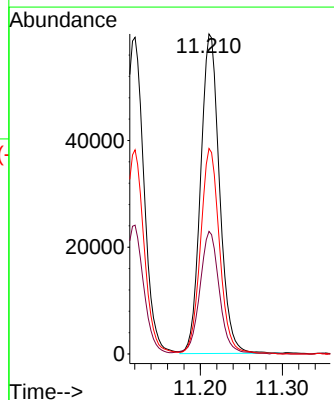
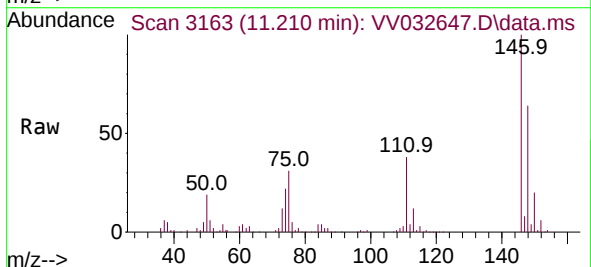
Instrument :
MSVOA_V
ClientSampleId :

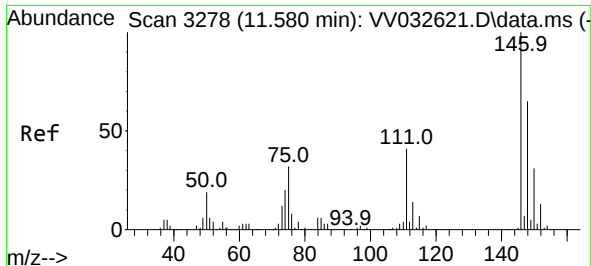
Tgt Ion:146 Resp: 94061
Ion Ratio Lower Upper
146 100
111 40.7 27.8 51.6
148 64.5 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 4.557 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

Tgt Ion:146 Resp: 95858
Ion Ratio Lower Upper
146 100
111 38.3 26.9 49.9
148 64.2 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 4.504 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

Instrument :

MSVOA_V

ClientSampleId :

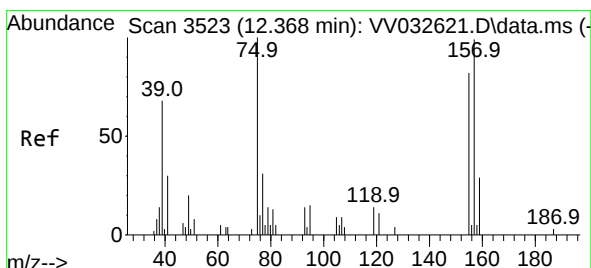
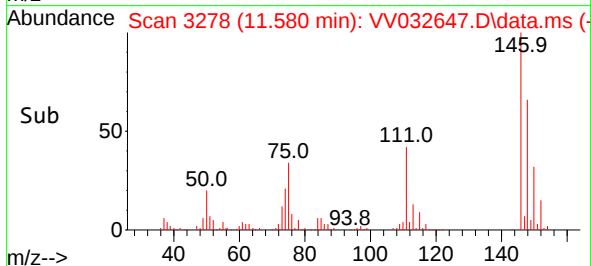
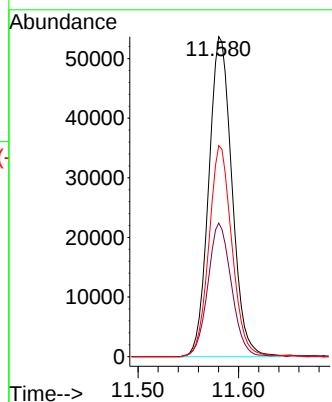
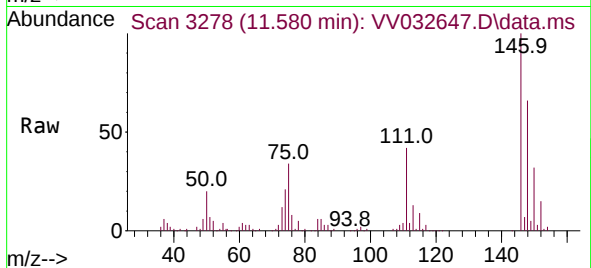
Tgt Ion:146 Resp: 86121

Ion Ratio Lower Upper

146 100

111 41.7 32.8 49.2

148 66.0 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.776 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032647.D

Acq: 25 Oct 2023 20:51

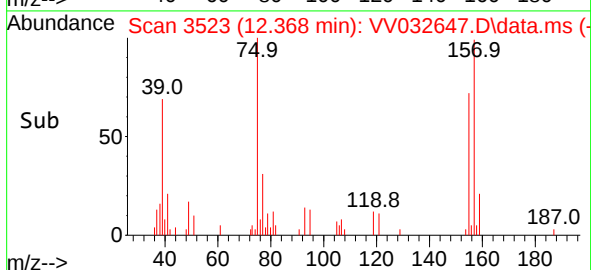
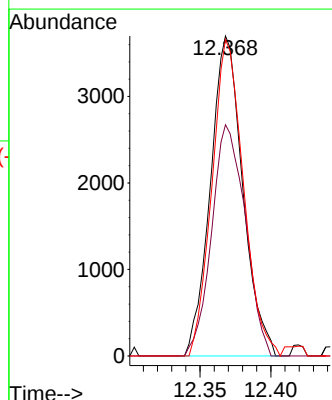
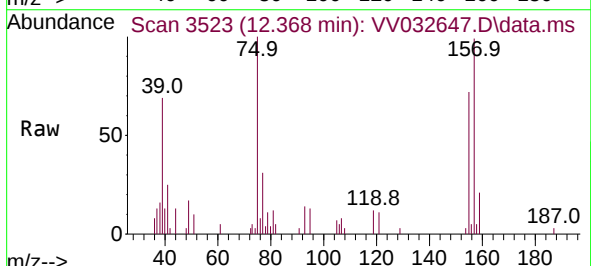
Tgt Ion: 75 Resp: 5865

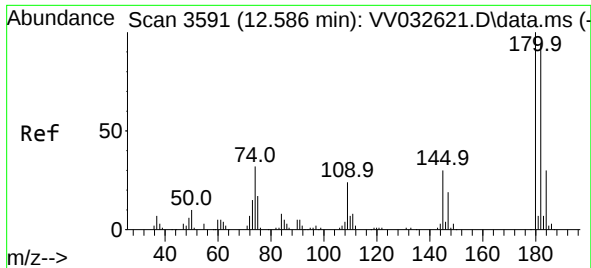
Ion Ratio Lower Upper

75 100

155 72.3 70.2 105.4

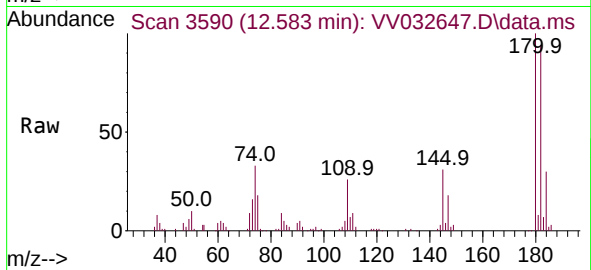
157 98.9 90.6 135.8



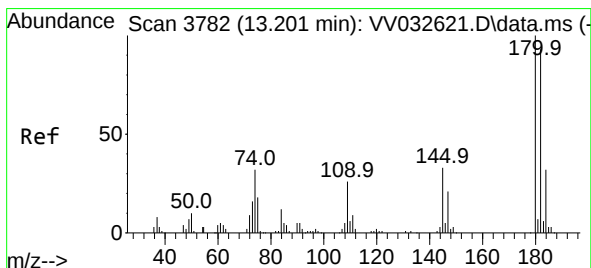
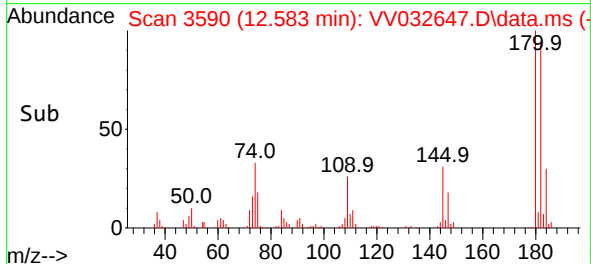
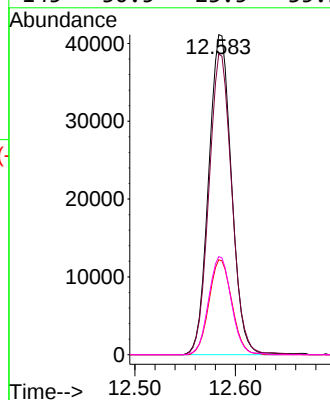


#69
 1,3,5-Trichlorobenzene
 Concen: 4.219 ug/L
 RT: 12.583 min Scan# 3591
 Delta R.T. -0.003 min
 Lab File: VV032647.D
 Acq: 25 Oct 2023 20:51

Instrument :
 MSVOA_V
 ClientSampleId :

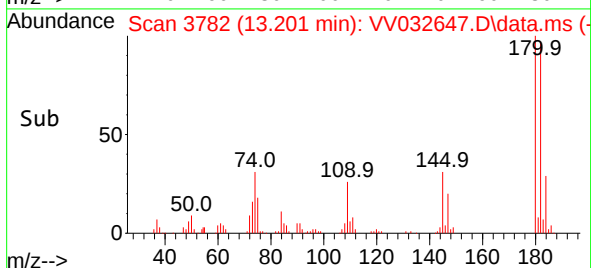
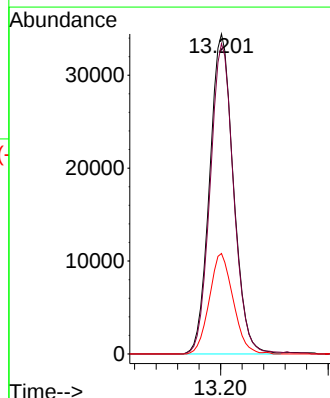
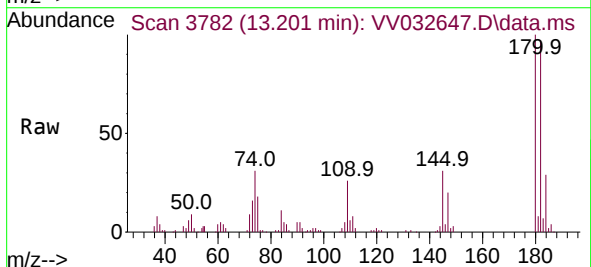


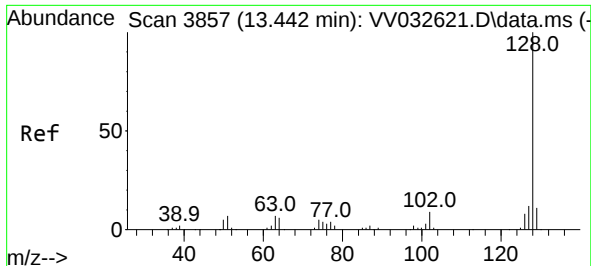
Tgt Ion:180 Resp: 64783
 Ion Ratio Lower Upper
 180 100
 182 93.8 74.6 112.0
 184 29.6 24.1 36.1
 145 30.5 23.5 35.3



#70
 1,2,4-trichlorobenzene
 Concen: 3.882 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.000 min
 Lab File: VV032647.D
 Acq: 25 Oct 2023 20:51

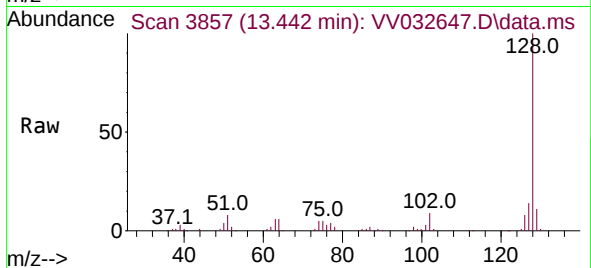
Tgt Ion:180 Resp: 52877
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.5 114.7
 145 31.5 24.3 36.5



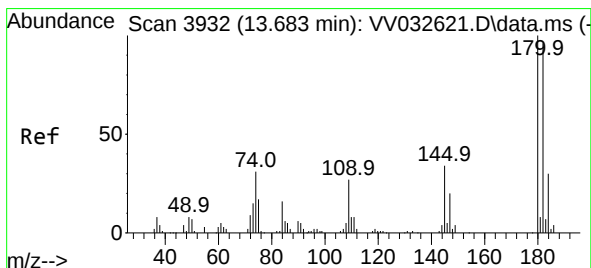
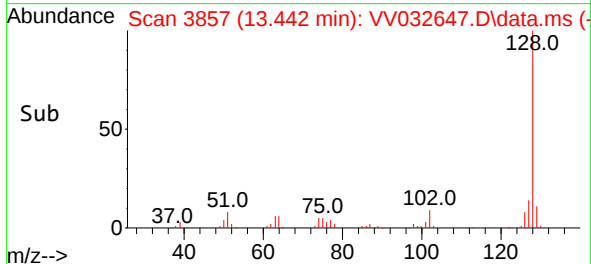
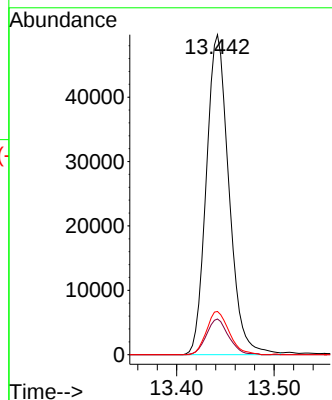


#71
Naphthalene
Concen: 3.470 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 80286
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.5 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.290 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.000 min
Lab File: VV032647.D
Acq: 25 Oct 2023 20:51

Tgt Ion:180 Resp: 50346
Ion Ratio Lower Upper
180 100
182 93.0 77.0 115.4
145 32.5 25.7 38.5

