

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020323\
 Data File : VW030040.D
 Acq On : 03 Feb 2023 16:37
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 04 01:05:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Feb 04 01:01:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	228192	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	216773	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	124329	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	76562	4.424	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.400%
7) Chloroethane-d5	1.565	69	74667	5.204	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.000%
11) 1,1-Dichloroethene-d2	2.108	63	151245	4.793	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.800%
20) 2-Butanone-d5	3.892	46	171356	55.857	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.720%
24) Chloroform-d	4.339	84	156183	4.919	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.024	65	65032	4.836	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.043	84	315940	4.913	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
36) 1,2-Dichloropropane-d6	6.063	67	98289	5.223	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.400%
41) Toluene-d8	7.307	98	285911	4.803	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	7.612	79	33050	4.809	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.082	63	156519	55.938	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.880%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	72953	5.290	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.800%
66) 1,2-Dichlorobenzene-d4	11.612	152	103910	4.597	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	90828	4.277	ug/L	99
3) Chloromethane	1.240	50	122258	5.470	ug/L	100
5) Vinyl chloride	1.307	62	117264	5.350	ug/L	98
6) Bromomethane	1.520	94	37618	3.525	ug/L	97
8) Chloroethane	1.584	64	74557	5.606	ug/L	99
9) Trichlorofluoromethane	1.751	101	137644	4.795	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	85122	5.033	ug/L	95
12) 1,1-Dichloroethene	2.114	96	82614	4.240	ug/L	82
13) Acetone	2.185	43	129219	59.016	ug/L	98
14) Carbon disulfide	2.291	76	239079	4.262	ug/L	100
15) Methyl Acetate	2.436	43	28339	4.970	ug/L	94
16) Methylene chloride	2.503	84	115483	4.771	ug/L	92
17) Methyl tert-butyl Ether	2.767	73	173109	5.138	ug/L	98
18) trans-1,2-Dichloroethene	2.757	96	86131	4.755	ug/L	92
19) 1,1-Dichloroethane	3.185	63	168262	5.553	ug/L	99
21) 2-Butanone	3.976	43	178672	56.961	ug/L	96
22) cis-1,2-Dichloroethene	3.905	96	93350	4.837	ug/L	95
23) Bromochloromethane	4.240	128	40494	5.081	ug/L	# 78
25) Chloroform	4.368	83	165261	5.018	ug/L	99

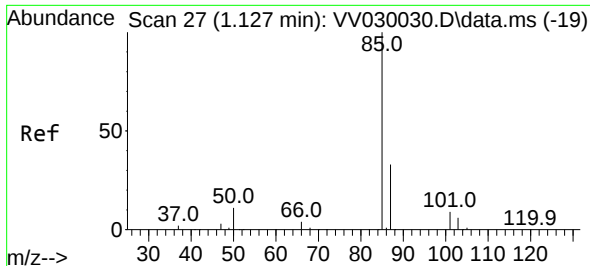
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020323\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Feb 04 01:01:21 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	83127	5.195	ug/L	98
29) 1,1,1-Trichloroethane	4.600	97	135383	4.810	ug/L	97
30) Cyclohexane	4.670	56	130709	4.905	ug/L	97
31) Carbon tetrachloride	4.822	117	115132	4.701	ug/L	100
33) Benzene	5.092	78	376450	5.252	ug/L	100
34) Trichloroethene	5.908	95	89360	4.920	ug/L	97
35) Methylcyclohexane	6.124	83	142826	4.658	ug/L	97
37) 1,2-Dichloropropane	6.166	63	97784	5.826	ug/L	99
38) Bromodichloromethane	6.503	83	111581	5.140	ug/L	97
39) cis-1,3-Dichloropropene	7.018	75	123883	5.504	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	451377	63.018	ug/L	94
42) Toluene	7.378	91	399150	5.164	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	102116	5.630	ug/L	99
45) 1,1,2-Trichloroethane	7.828	97	63775	5.274	ug/L	98
47) Tetrachloroethene	7.966	164	72028	4.710	ug/L	98
48) 2-Hexanone	8.133	43	326310	63.737	ug/L	96
49) Dibromochloromethane	8.236	129	71444	5.034	ug/L	97
50) 1,2-Dibromoethane	8.342	107	55115	5.250	ug/L	99
51) Chlorobenzene	8.873	112	251228	5.119	ug/L	99
52) Ethylbenzene	9.002	91	399617	4.940	ug/L	99
53) m,p-Xylene	9.130	106	156410	4.884	ug/L	98
54) o-Xylene	9.532	106	151062	4.971	ug/L	98
55) Styrene	9.551	104	270914	5.183	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.230	83	77885	5.798	ug/L	98
59) Bromoform	9.722	173	39150	4.862	ug/L	99
60) Isopropylbenzene	9.921	105	398117	5.010	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	51862	5.633	ug/L	97
62) 1,3,5-Trimethylbenzene	10.529	105	322258	4.732	ug/L	99
63) 1,2,4-Trimethylbenzene	10.902	105	329419	4.851	ug/L	100
64) 1,3-Dichlorobenzene	11.169	146	203680	5.047	ug/L	99
65) 1,4-Dichlorobenzene	11.259	146	205210	5.101	ug/L	98
67) 1,2-Dichlorobenzene	11.628	146	185730	5.119	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.413	75	11048	5.075	ug/L	85
69) 1,3,5-Trichlorobenzene	12.632	180	157021	4.834	ug/L	99
70) 1,2,4-trichlorobenzene	13.246	180	127313	5.016	ug/L	99
71) Naphthalene	13.487	128	172170	5.236	ug/L	100
72) 1,2,3-Trichlorobenzene	13.728	180	108785	5.164	ug/L	100

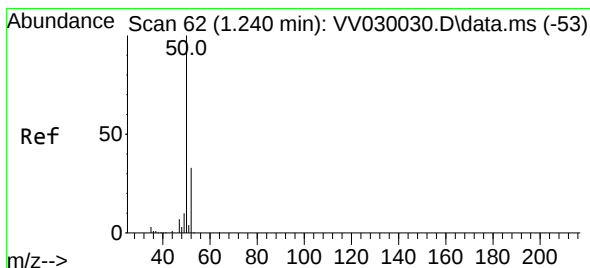
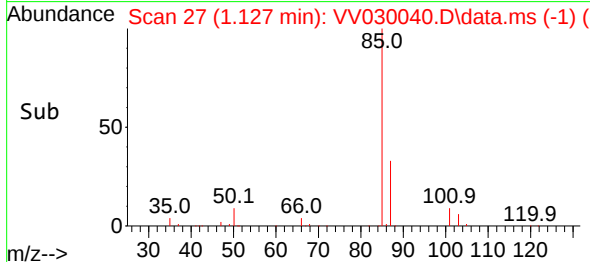
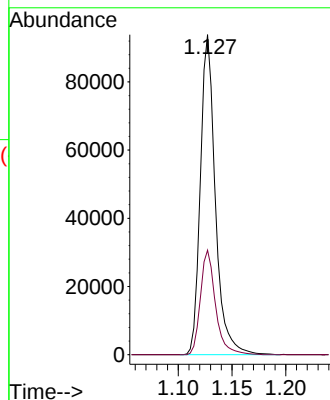
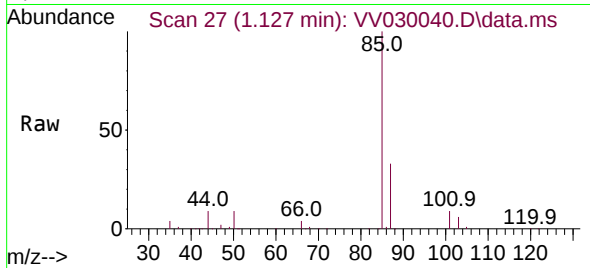
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#2
 Dichlorodifluoromethane
 Concen: 4.277 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030040.D
 Acq: 03 Feb 2023 16:37

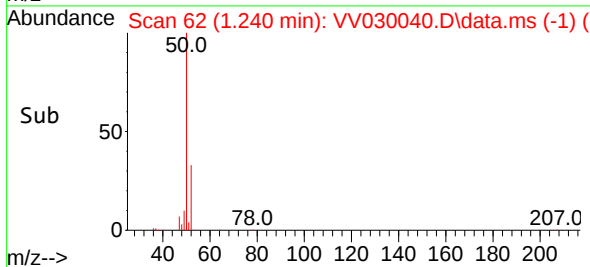
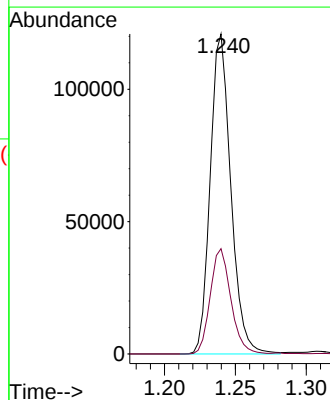
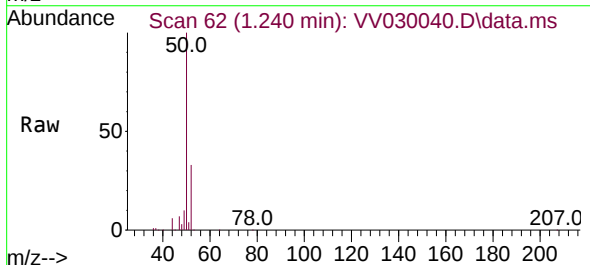
Instrument :
 MSVOA_V
 ClientSampleId :

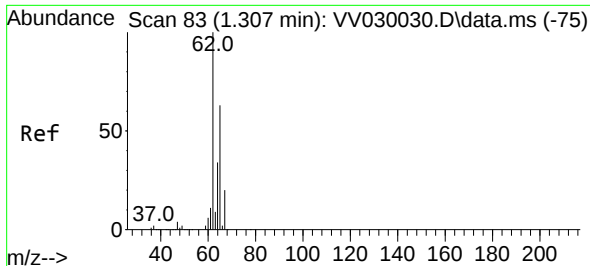
Tgt Ion: 85 Resp: 90828
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.5 39.7



#3
 Chloromethane
 Concen: 5.470 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV030040.D
 Acq: 03 Feb 2023 16:37

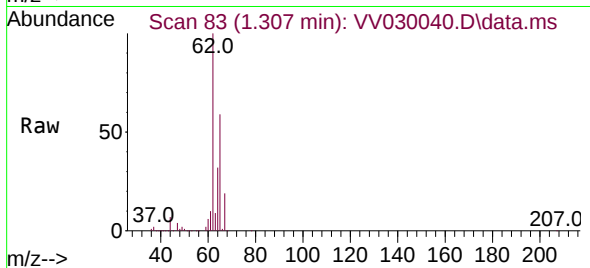
Tgt Ion: 50 Resp: 122258
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.1 42.9



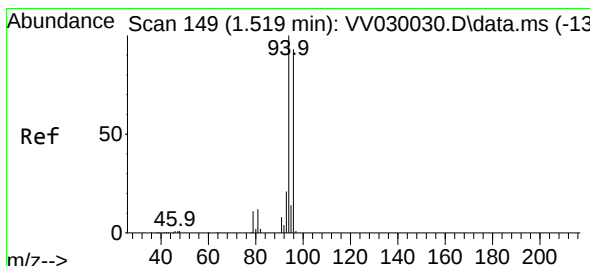
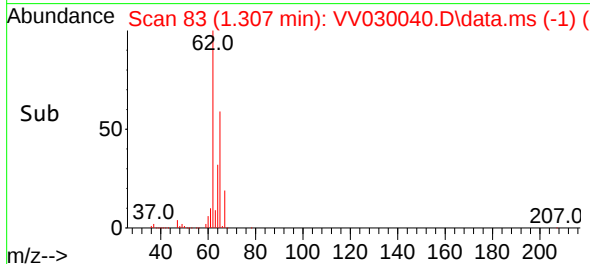
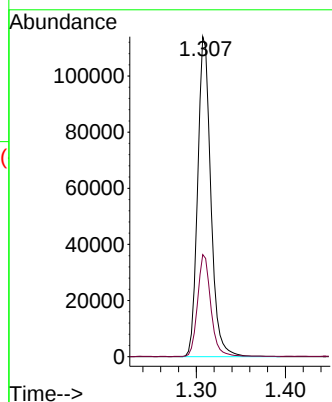


#5
 Vinyl chloride
 Concen: 5.350 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV030040.D
 Acq: 03 Feb 2023 16:37

Instrument :
 MSVOA_V
 ClientSampleId :

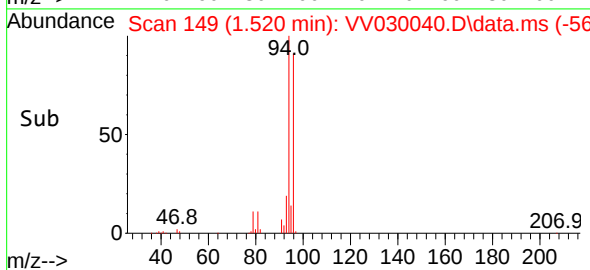
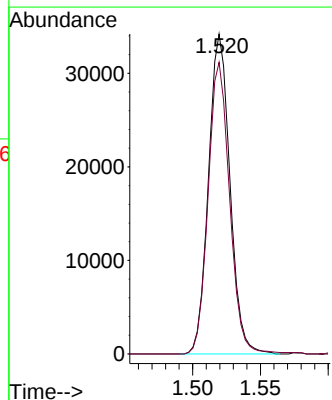
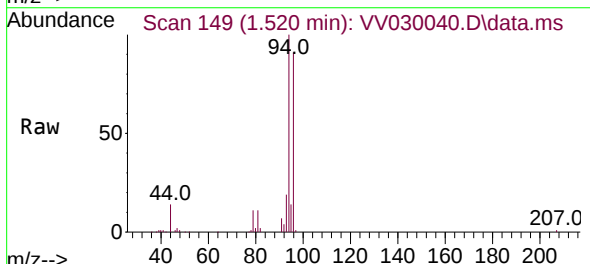


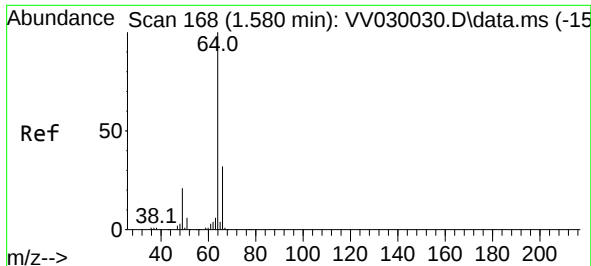
Tgt Ion: 62 Resp: 117264
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.2 43.2



#6
 Bromomethane
 Concen: 3.525 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV030040.D
 Acq: 03 Feb 2023 16:37

Tgt Ion: 94 Resp: 37618
 Ion Ratio Lower Upper
 94 100
 96 91.1 65.9 122.5





#8

Chloroethane

Concen: 5.606 ug/L

RT: 1.584 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

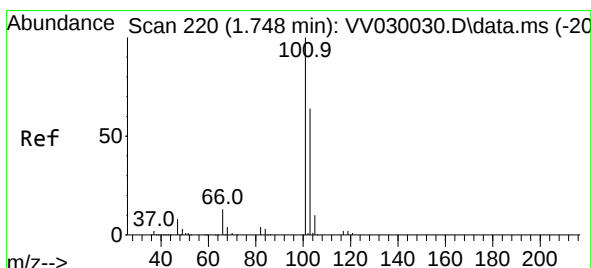
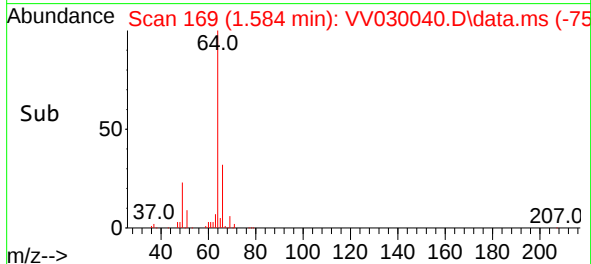
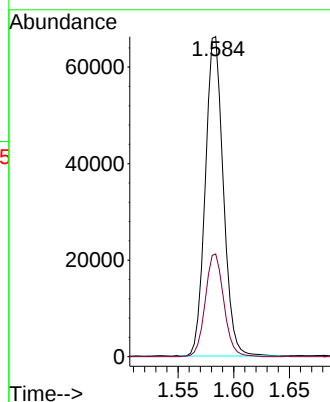
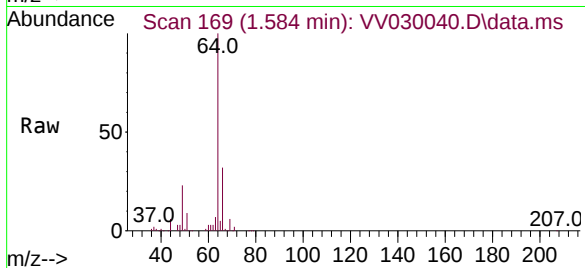
ClientSampleId :

Tgt Ion: 64 Resp: 74557

Ion Ratio Lower Upper

64 100

66 32.1 22.9 42.5



#9

Trichlorofluoromethane

Concen: 4.795 ug/L

RT: 1.751 min Scan# 221

Delta R.T. 0.003 min

Lab File: VV030040.D

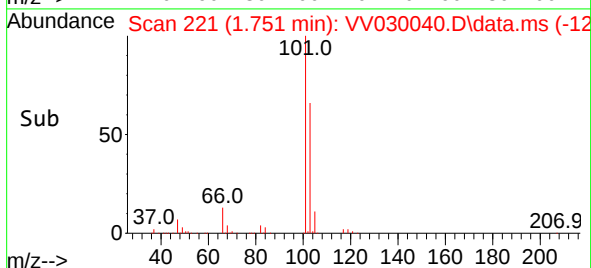
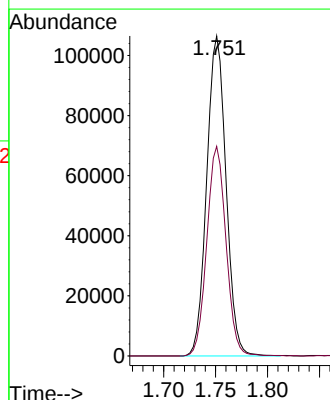
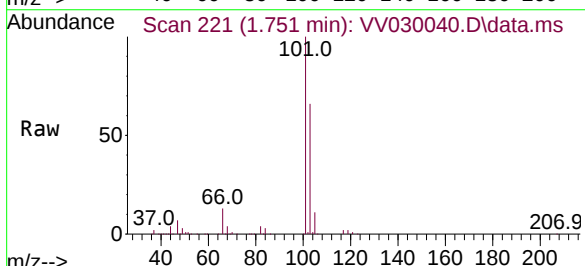
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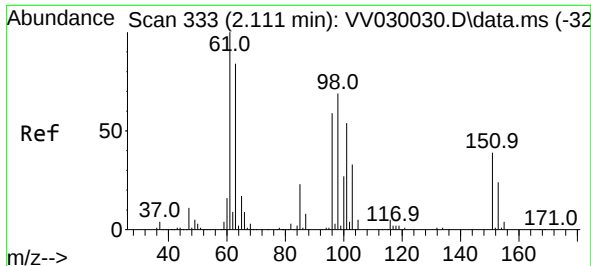
Tgt Ion:101 Resp: 137644

Ion Ratio Lower Upper

101 100

103 65.1 51.8 77.8

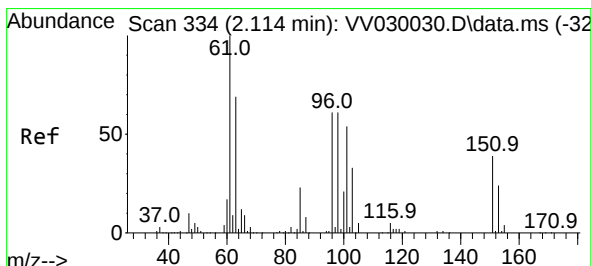
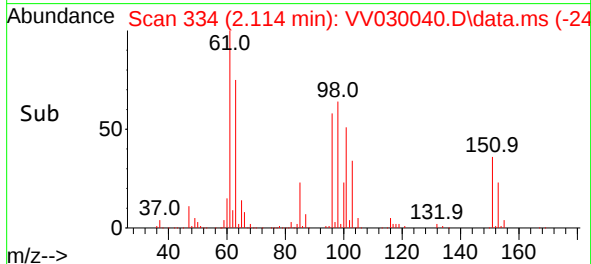
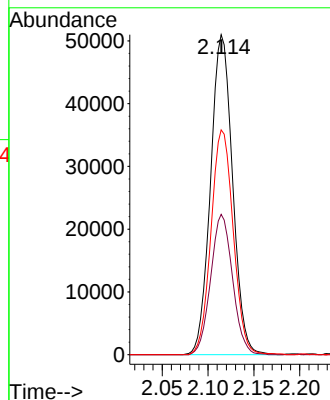
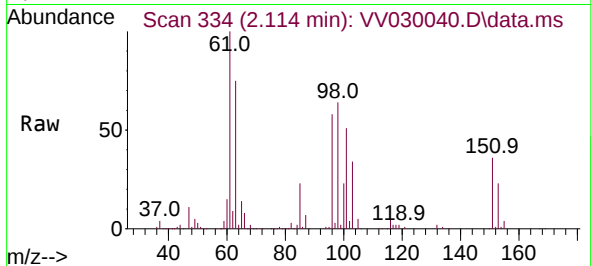




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.033 ug/L
 RT: 2.114 min Scan# 333
 Delta R.T. 0.003 min
 Lab File: VV030040.D
 Acq: 03 Feb 2023 16:37

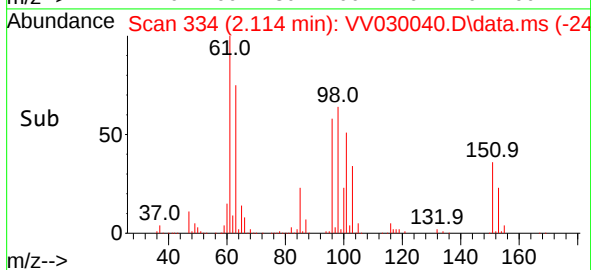
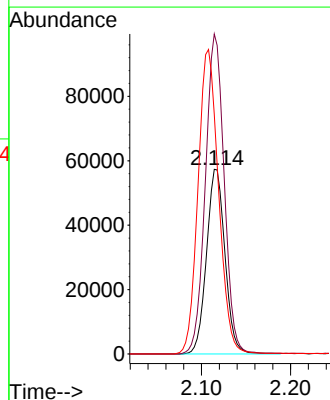
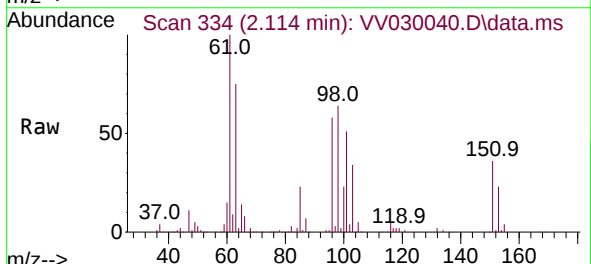
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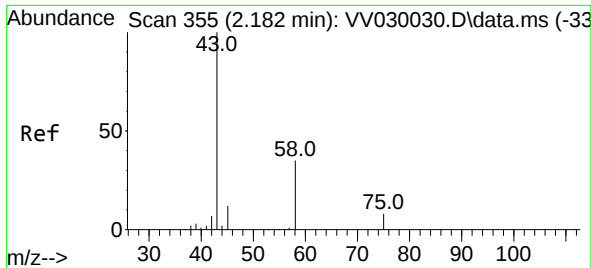
Tgt Ion:101 Resp: 85122
 Ion Ratio Lower Upper
 101 100
 85 43.5 32.9 49.3
 151 70.9 60.9 91.3



#12
 1,1-Dichloroethene
 Concen: 4.240 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV030040.D
 Acq: 03 Feb 2023 16:37

Tgt Ion: 96 Resp: 82614
 Ion Ratio Lower Upper
 96 100
 61 173.3 106.1 197.1
 63 129.8 76.4 141.8





#13

Acetone

Concen: 59.016 ug/L

RT: 2.185 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

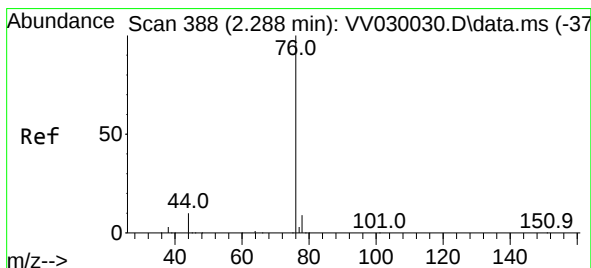
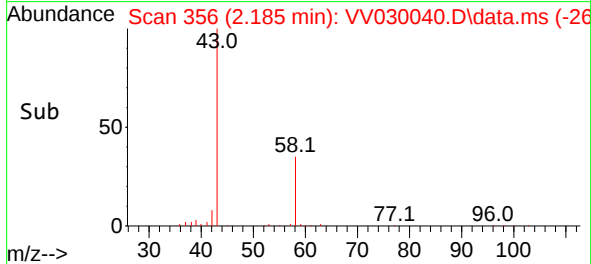
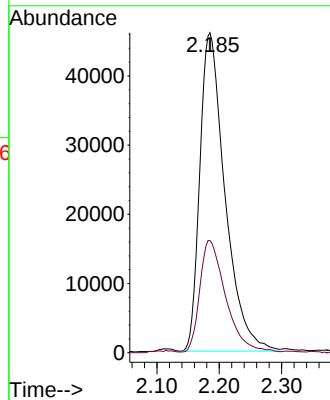
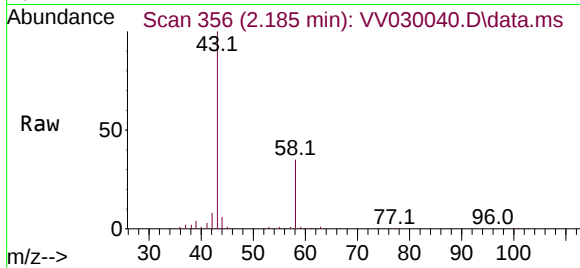
ClientSampleId :

Tgt Ion: 43 Resp: 129219

Ion Ratio Lower Upper

43 100

58 35.7 0.0 68.8



#14

Carbon disulfide

Concen: 4.262 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.003 min

Lab File: VV030040.D

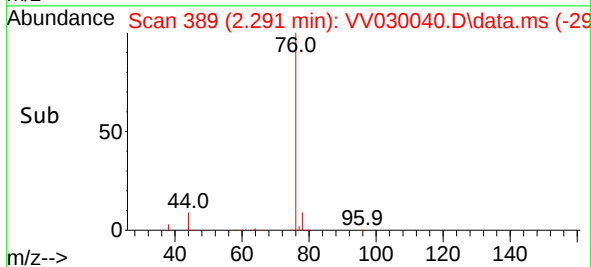
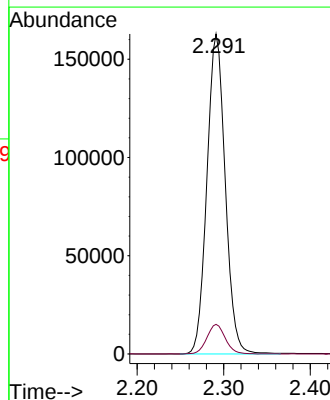
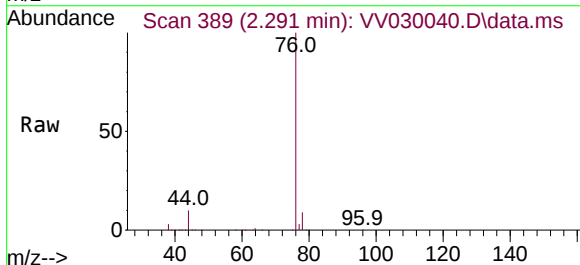
Acq: 03 Feb 2023 16:37

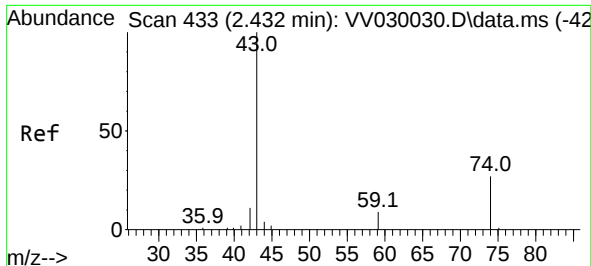
Tgt Ion: 76 Resp: 239079

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 4.970 ug/L

RT: 2.436 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

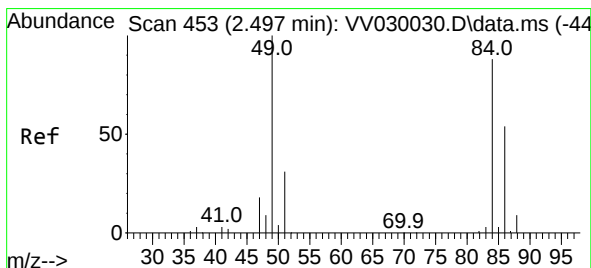
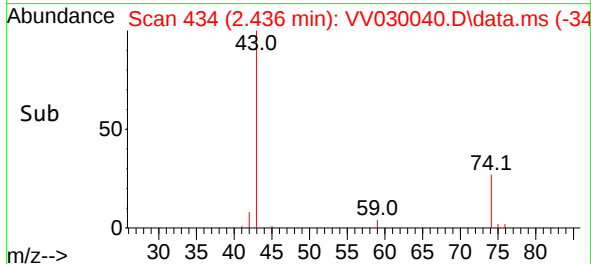
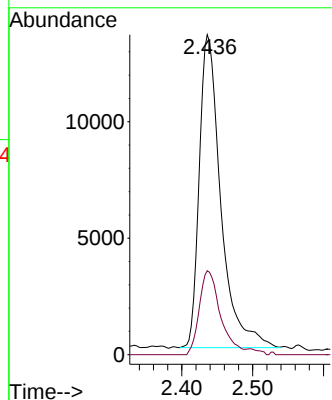
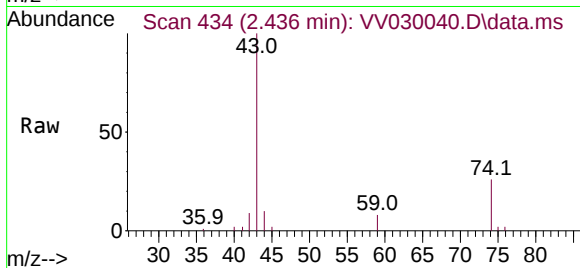
ClientSampleId :

Tgt Ion: 43 Resp: 28339

Ion Ratio Lower Upper

43 100

74 26.1 23.4 35.0



#16

Methylene chloride

Concen: 4.771 ug/L

RT: 2.503 min Scan# 455

Delta R.T. 0.007 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

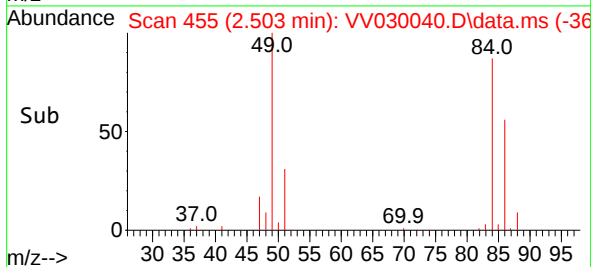
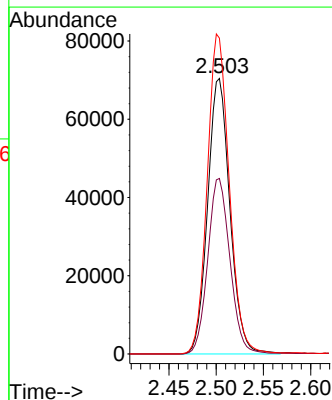
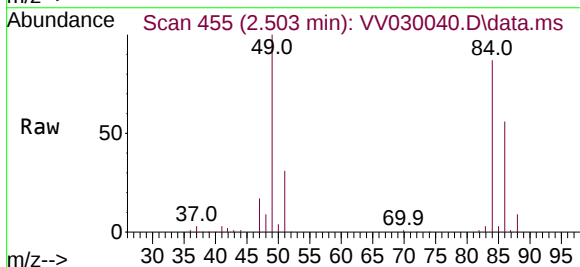
Tgt Ion: 84 Resp: 115483

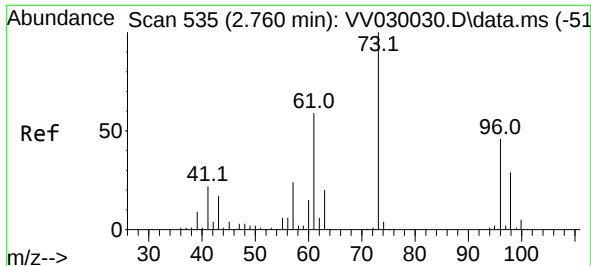
Ion Ratio Lower Upper

84 100

86 63.7 45.0 83.6

49 114.6 71.5 132.7

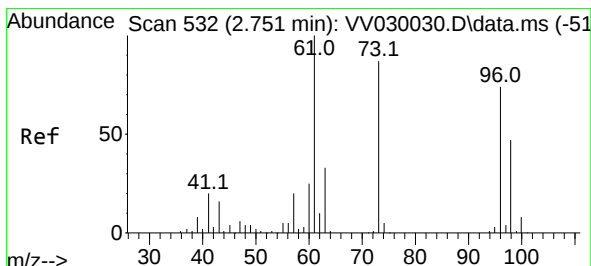
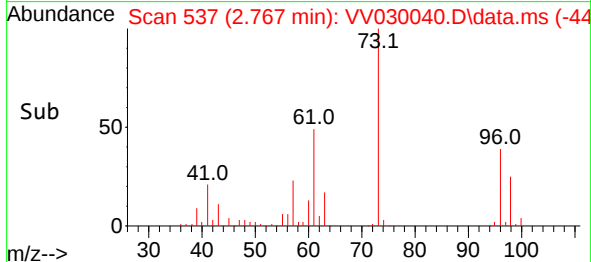
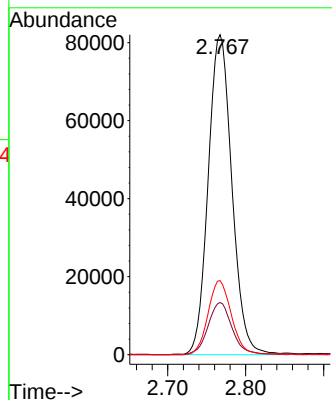
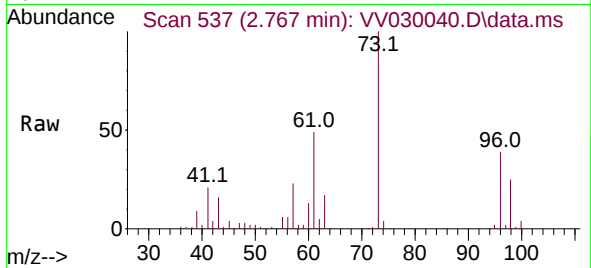




#17
Methyl tert-butyl Ether
Concen: 5.138 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

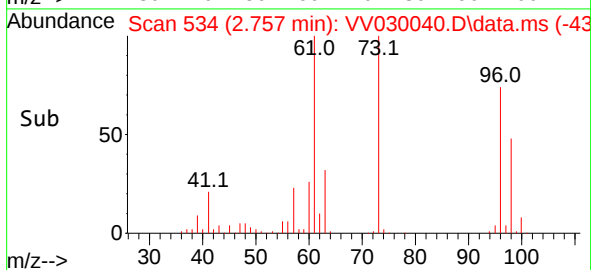
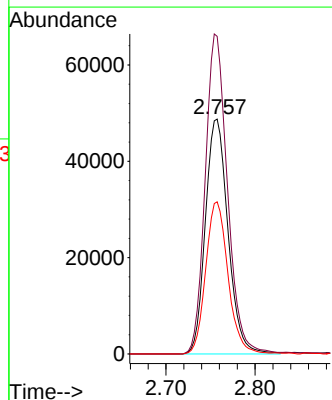
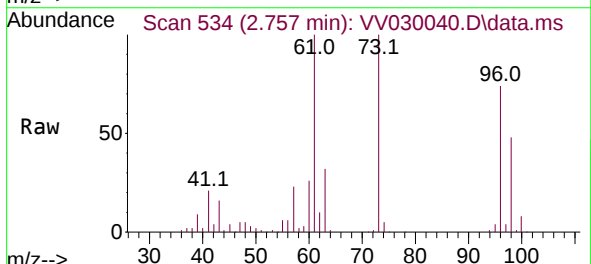
Instrument :
MSVOA_V
ClientSampleId :

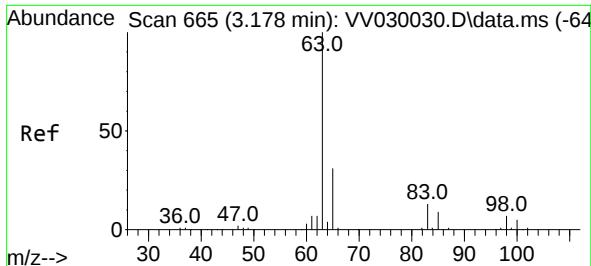
Tgt Ion: 73 Resp: 173109
Ion Ratio Lower Upper
73 100
43 16.1 13.0 19.4
57 22.9 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.755 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.007 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

Tgt Ion: 96 Resp: 86131
Ion Ratio Lower Upper
96 100
61 135.2 86.1 159.9
98 64.8 43.9 81.5





#19

1,1-Dichloroethane

Concen: 5.553 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.007 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

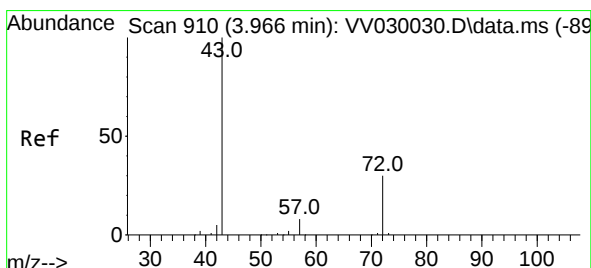
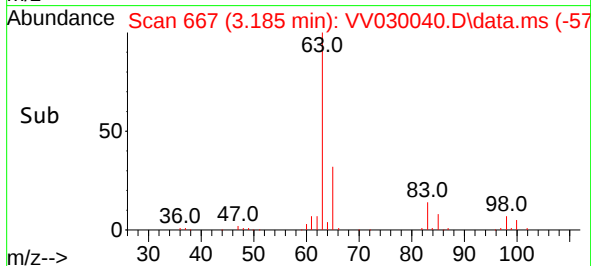
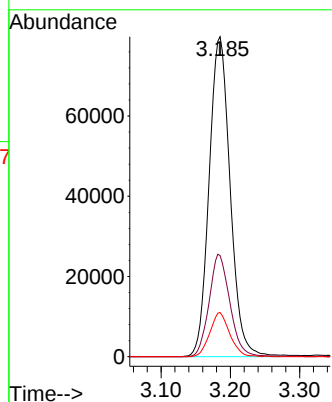
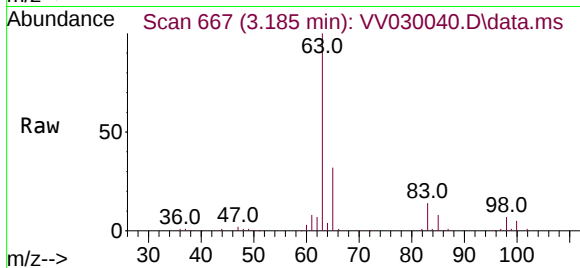
Tgt Ion: 63 Resp: 168262

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 13.8 10.2 19.0



#21

2-Butanone

Concen: 56.961 ug/L

RT: 3.976 min Scan# 913

Delta R.T. 0.010 min

Lab File: VV030040.D

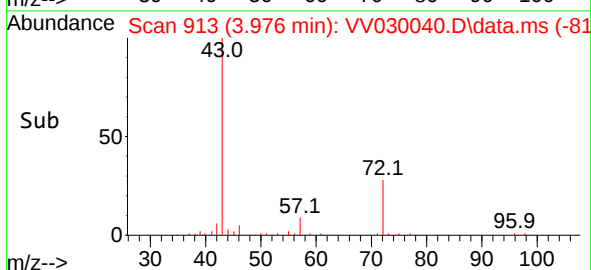
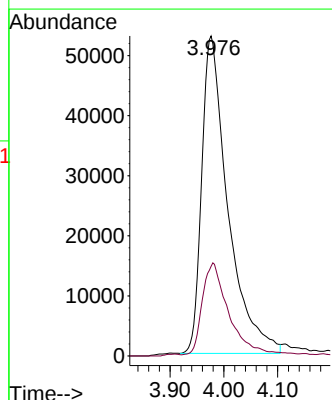
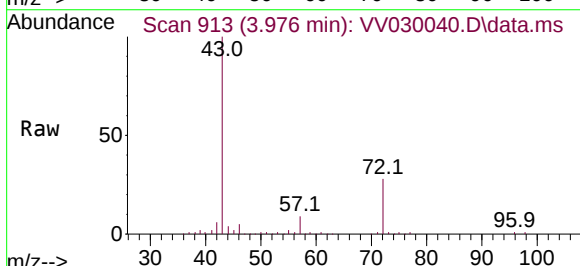
Acq: 03 Feb 2023 16:37

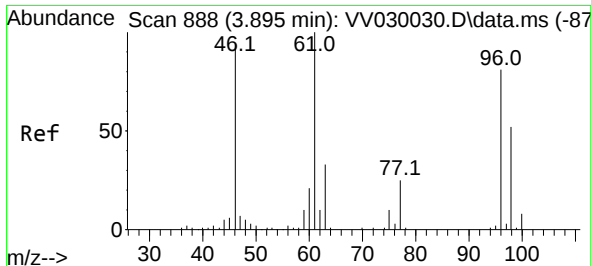
Tgt Ion: 43 Resp: 178672

Ion Ratio Lower Upper

43 100

72 29.7 13.9 41.6





#22

cis-1,2-Dichloroethene

Concen: 4.837 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.010 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

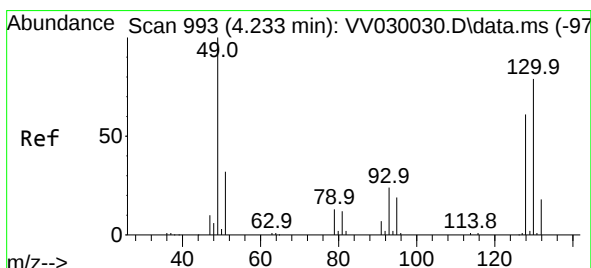
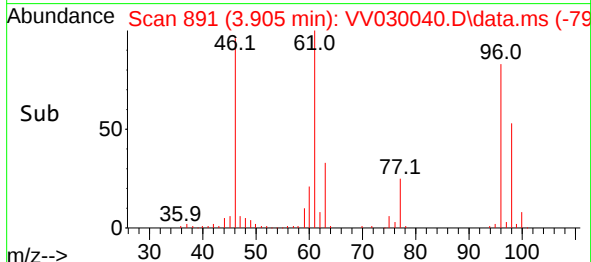
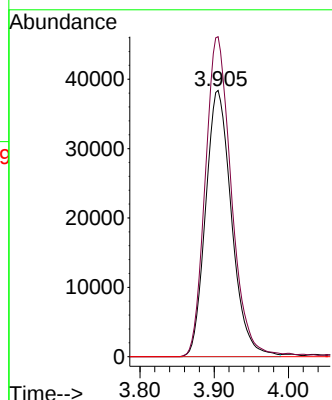
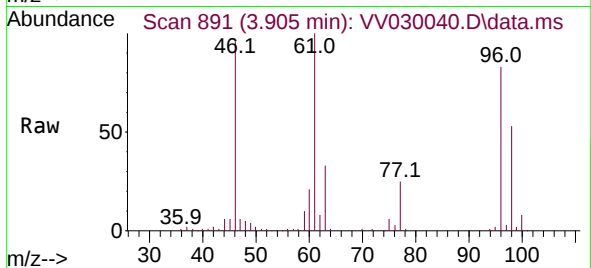
Tgt Ion: 96 Resp: 93350

Ion Ratio Lower Upper

96 100

61 120.2 80.0 148.6

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.081 ug/L

RT: 4.240 min Scan# 995

Delta R.T. 0.007 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Tgt Ion: 128 Resp: 40494

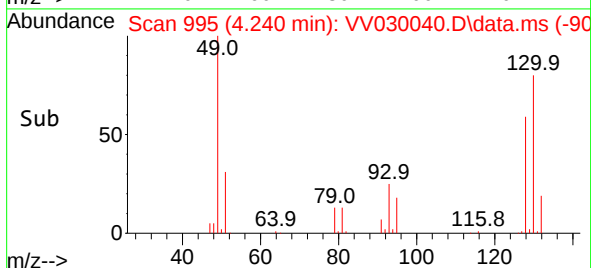
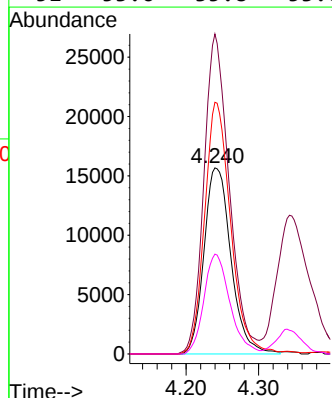
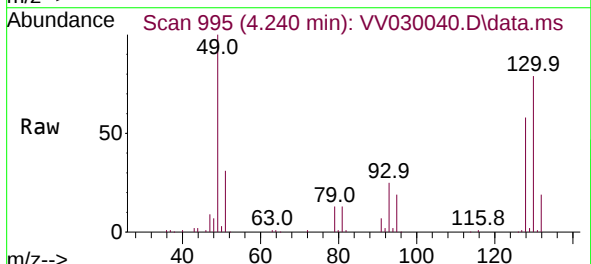
Ion Ratio Lower Upper

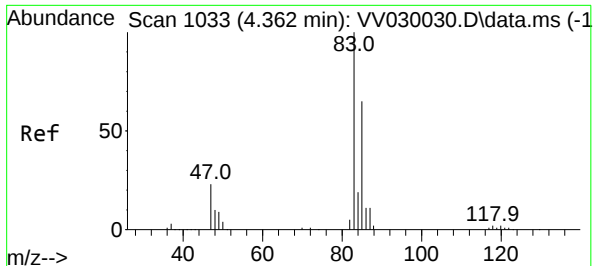
128 100

49 171.9 91.2 169.4#

130 135.2 87.0 161.6

51 53.6 35.8 53.6#

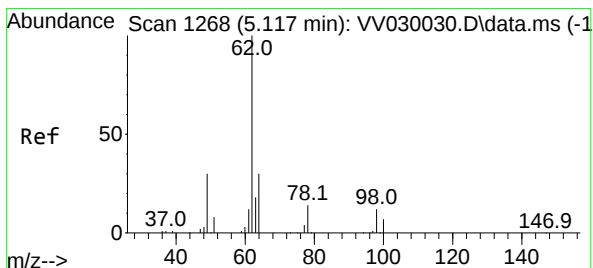
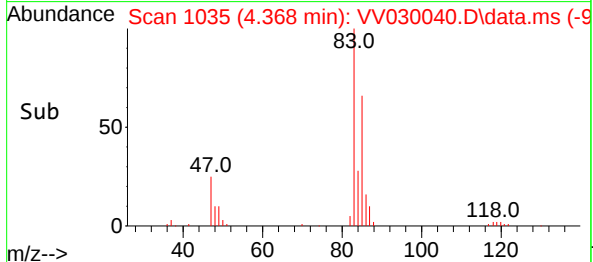
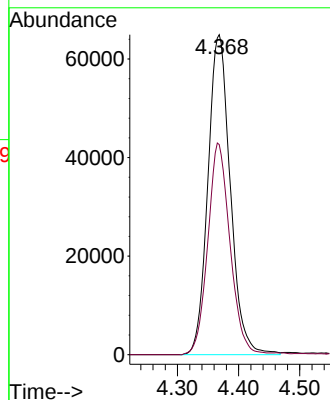
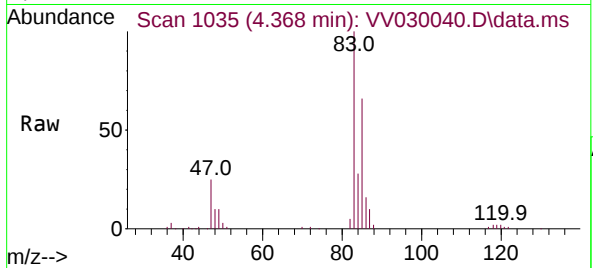




#25
Chloroform
Concen: 5.018 ug/L
RT: 4.368 min Scan# 1033
Delta R.T. 0.007 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

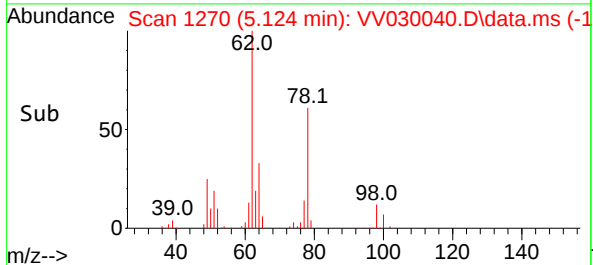
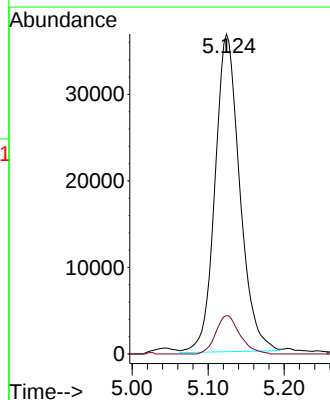
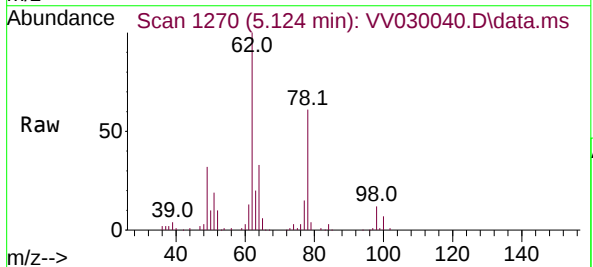
Instrument :
MSVOA_V
ClientSampleId :

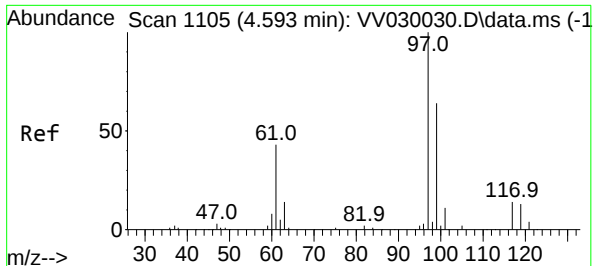
Tgt Ion: 83 Resp: 165261
Ion Ratio Lower Upper
83 100
85 65.7 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.195 ug/L
RT: 5.124 min Scan# 1270
Delta R.T. 0.007 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

Tgt Ion: 62 Resp: 83127
Ion Ratio Lower Upper
62 100
98 12.0 8.9 13.3





#29

1,1,1-Trichloroethane

Concen: 4.810 ug/L

RT: 4.600 min Scan# 1105

Delta R.T. 0.007 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

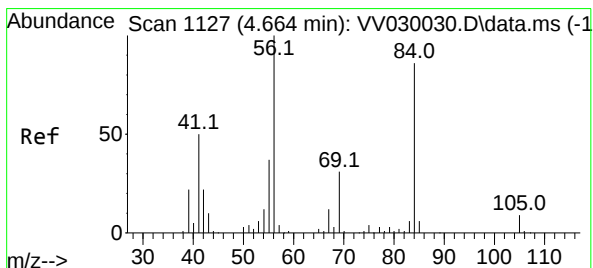
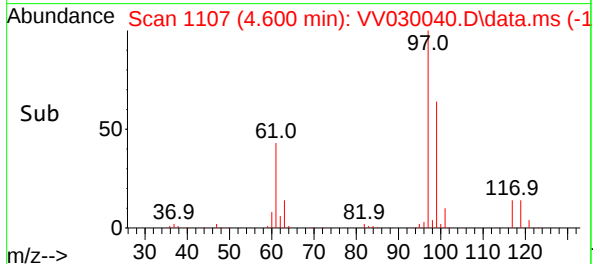
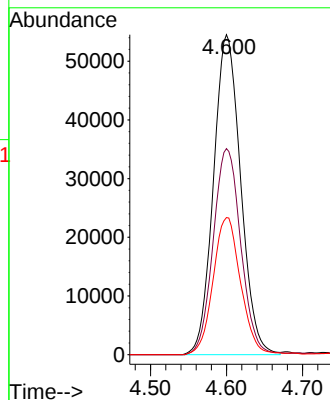
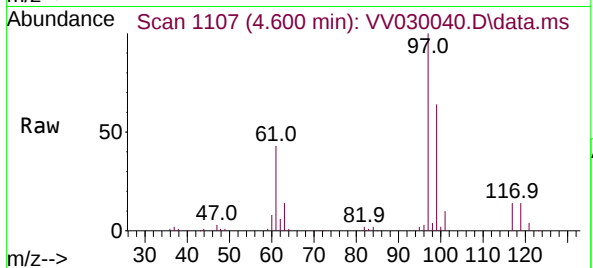
Tgt Ion: 97 Resp: 135383

Ion Ratio Lower Upper

97 100

99 65.4 51.3 76.9

61 43.4 31.6 47.4



#30

Cyclohexane

Concen: 4.905 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.007 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

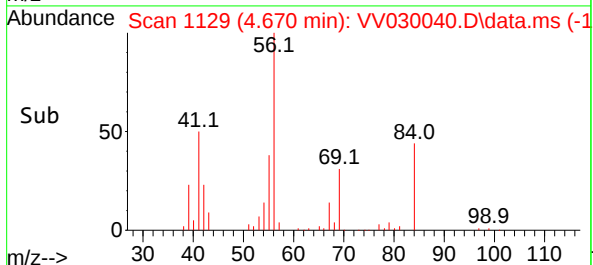
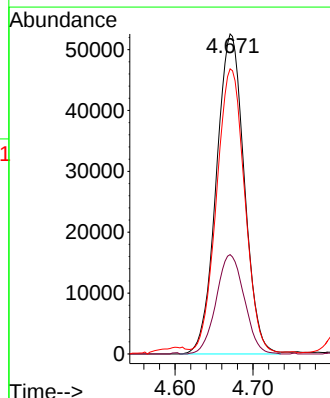
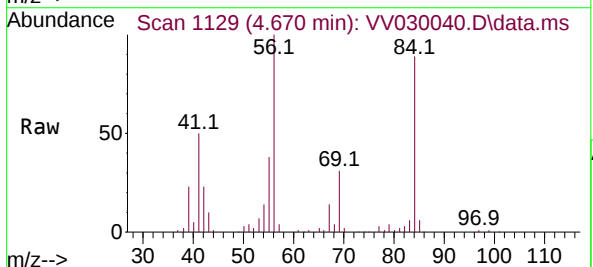
Tgt Ion: 56 Resp: 130709

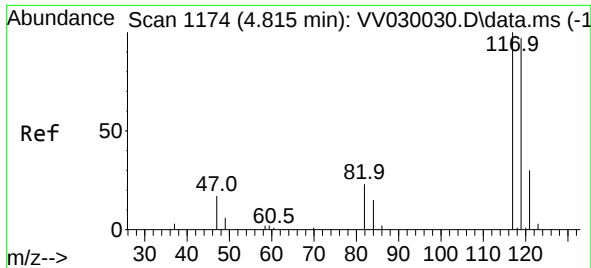
Ion Ratio Lower Upper

56 100

69 31.2 26.7 40.1

84 89.5 73.8 110.8

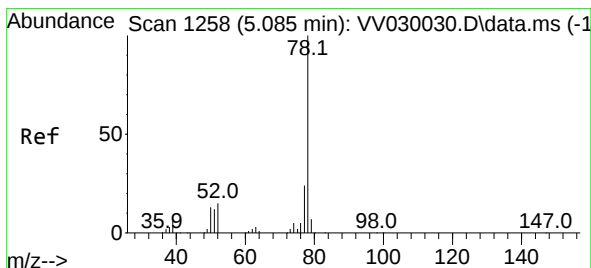
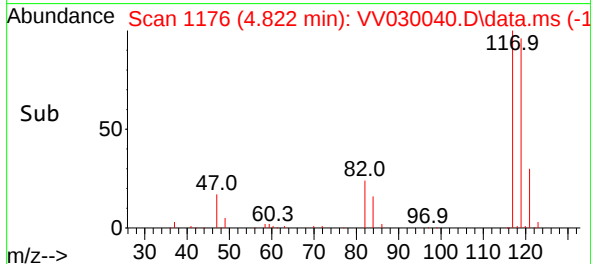
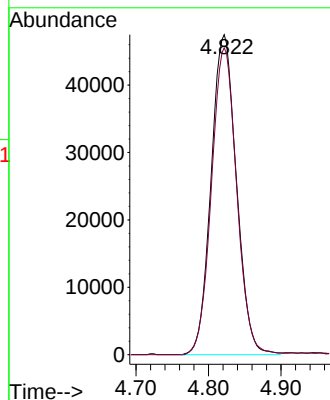
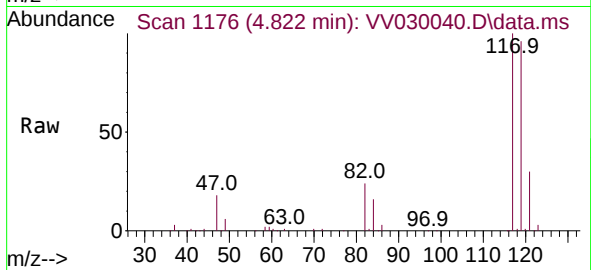




#31
Carbon tetrachloride
Concen: 4.701 ug/L
RT: 4.822 min Scan# 1174
Delta R.T. 0.007 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

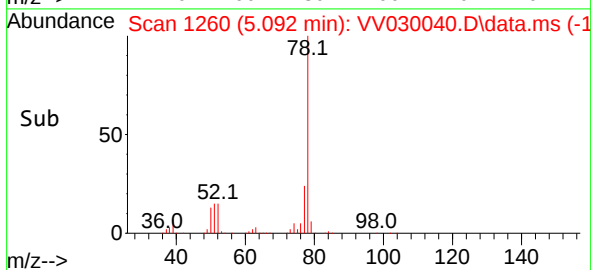
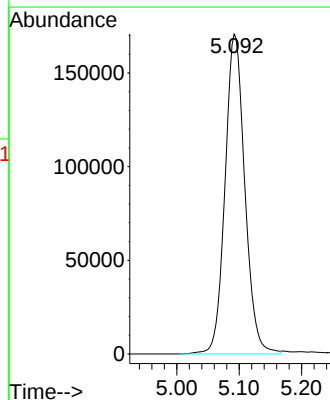
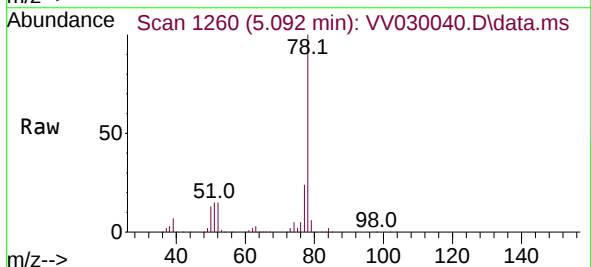
Instrument :
MSVOA_V
ClientSampleId :

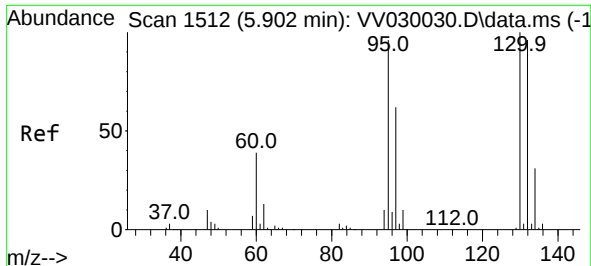
Tgt Ion:117 Resp: 115132
Ion Ratio Lower Upper
117 100
119 95.6 76.6 114.8



#33
Benzene
Concen: 5.252 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.007 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

Tgt Ion: 78 Resp: 376450

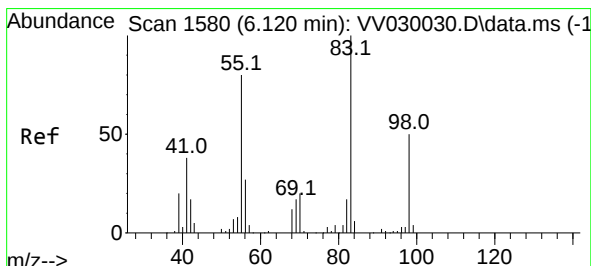
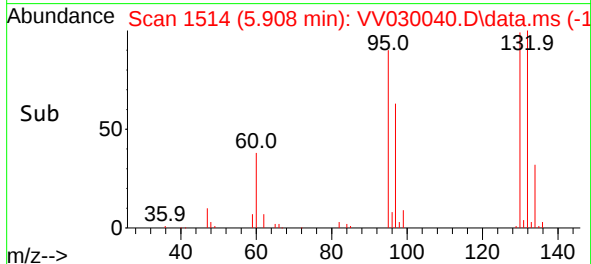
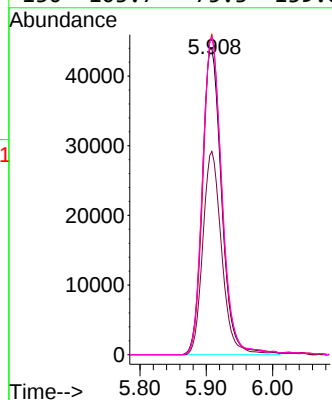
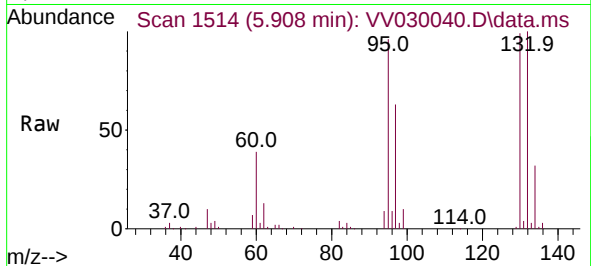




#34
 Trichloroethene
 Concen: 4.920 ug/L
 RT: 5.908 min Scan# 11
 Delta R.T. 0.007 min
 Lab File: VV030040.D
 Acq: 03 Feb 2023 16:37

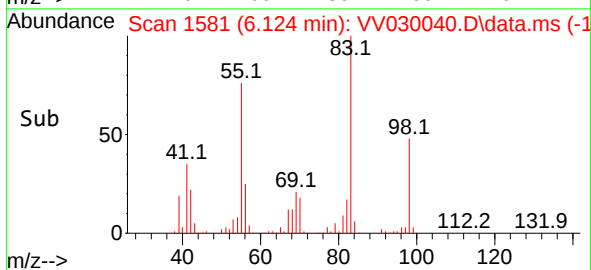
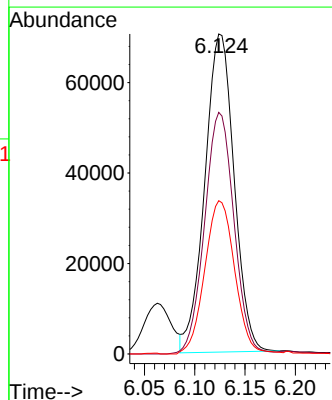
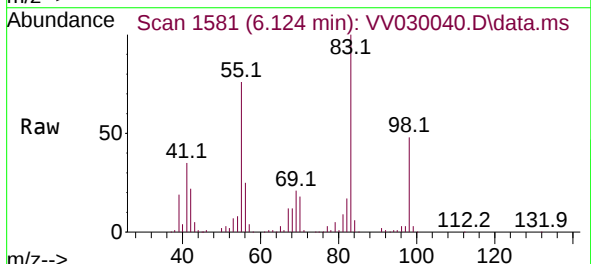
Instrument :
 MSVOA_V
 ClientSampleId :

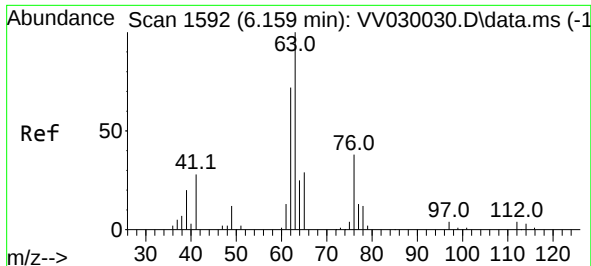
Tgt Ion: 95 Resp: 89360
 Ion Ratio Lower Upper
 95 100
 97 66.4 44.9 83.3
 132 104.6 71.8 133.4
 130 103.7 75.3 139.8



#35
 Methylcyclohexane
 Concen: 4.658 ug/L
 RT: 6.124 min Scan# 1581
 Delta R.T. 0.003 min
 Lab File: VV030040.D
 Acq: 03 Feb 2023 16:37

Tgt Ion: 83 Resp: 142826
 Ion Ratio Lower Upper
 83 100
 55 76.1 57.3 85.9
 98 49.2 39.0 58.6





#37

1,2-Dichloropropane

Concen: 5.826 ug/L

RT: 6.166 min Scan# 1594

Delta R.T. 0.007 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

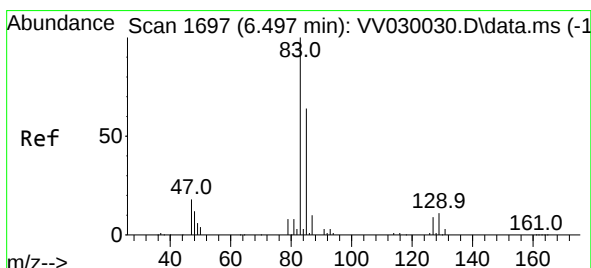
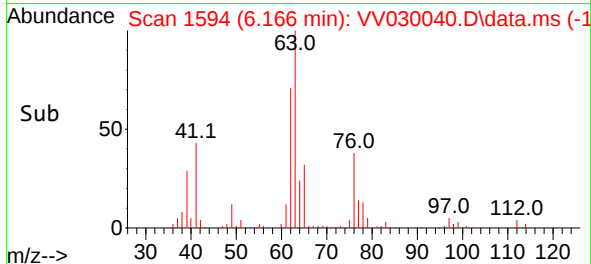
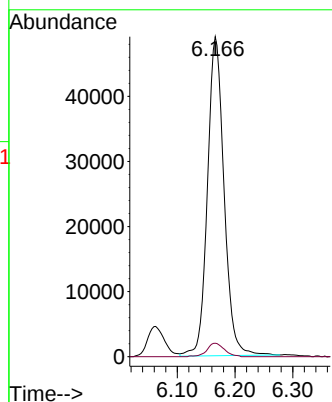
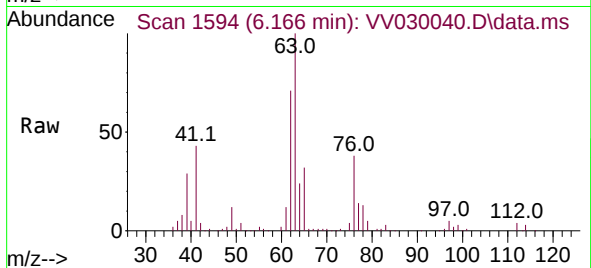
ClientSampleId :

Tgt Ion: 63 Resp: 97784

Ion Ratio Lower Upper

63 100

112 4.5 3.9 5.9



#38

Bromodichloromethane

Concen: 5.140 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.007 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

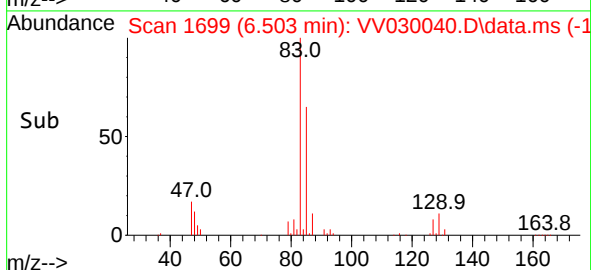
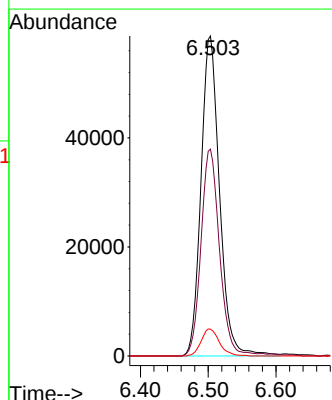
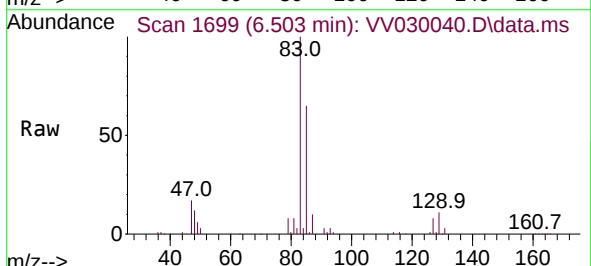
Tgt Ion: 83 Resp: 111581

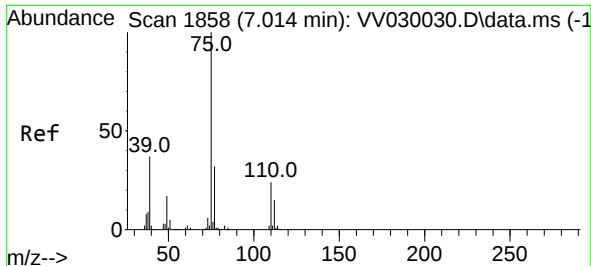
Ion Ratio Lower Upper

83 100

85 64.6 43.2 80.2

127 8.4 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.504 ug/L

RT: 7.018 min Scan# 1859

Delta R.T. 0.003 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

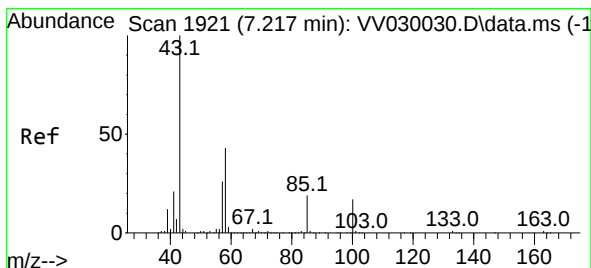
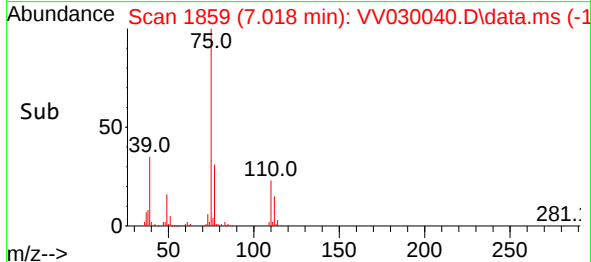
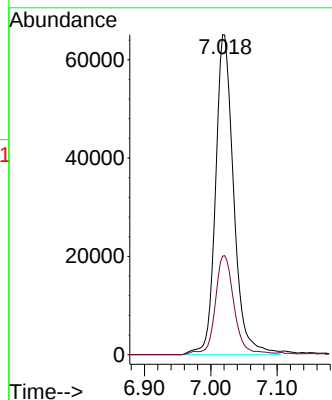
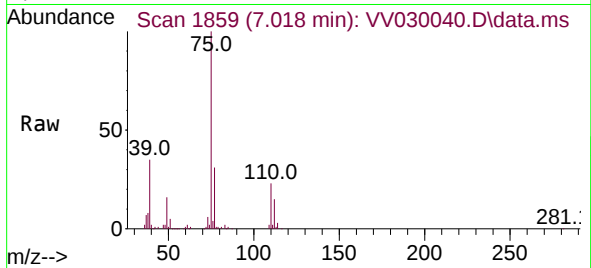
ClientSampleId :

Tgt Ion: 75 Resp: 123883

Ion Ratio Lower Upper

75 100

77 30.8 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 63.018 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.007 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

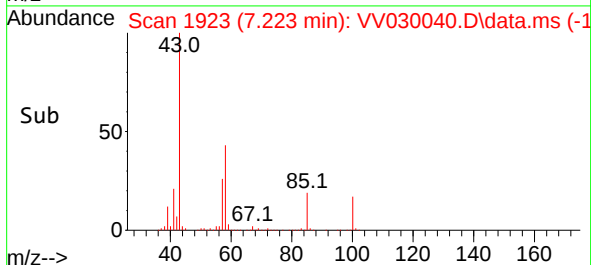
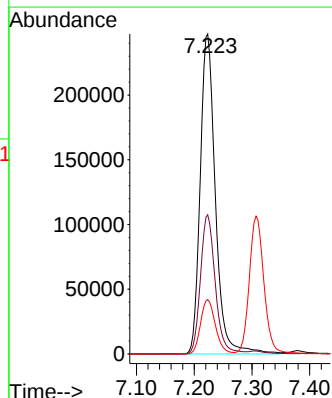
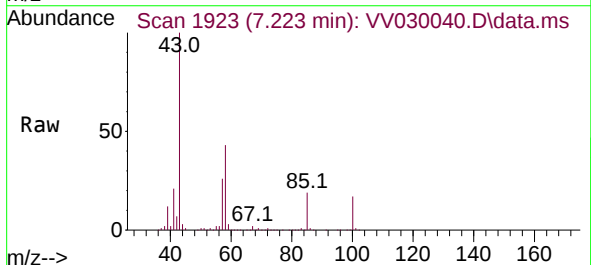
Tgt Ion: 43 Resp: 451377

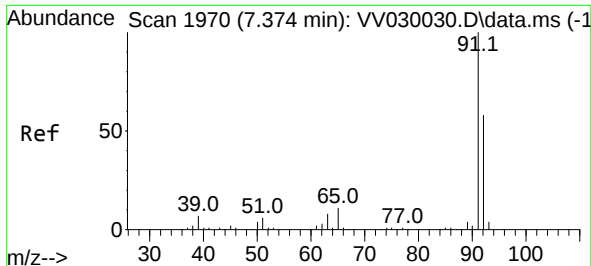
Ion Ratio Lower Upper

43 100

58 42.4 36.7 55.1

100 16.6 15.6 23.4





#42

Toluene

Concen: 5.164 ug/L

RT: 7.378 min Scan# 1970

Delta R.T. 0.003 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

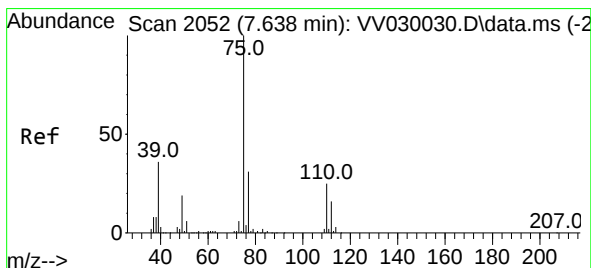
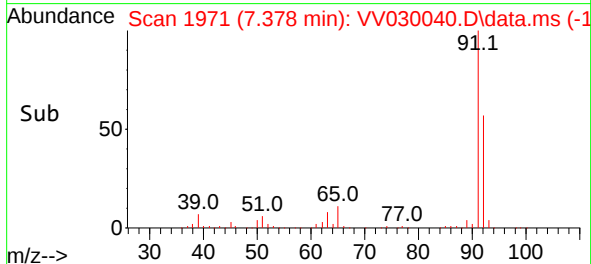
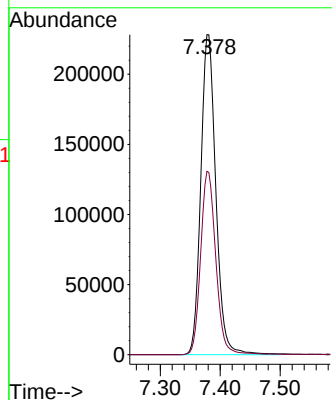
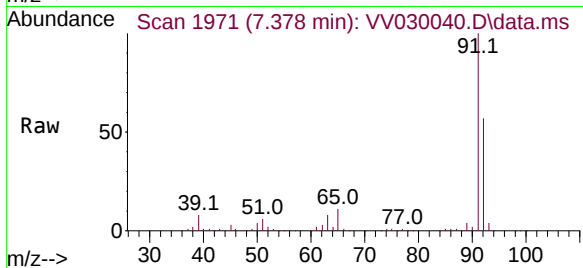
ClientSampleId :

Tgt Ion: 91 Resp: 399150

Ion Ratio Lower Upper

91 100

92 57.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.630 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. 0.003 min

Lab File: VV030040.D

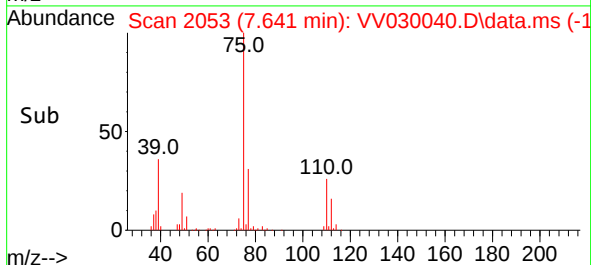
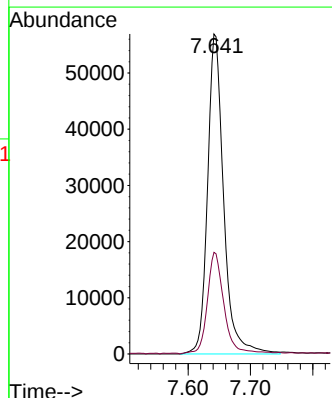
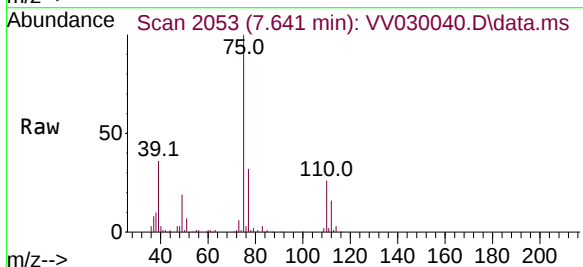
Acq: 03 Feb 2023 16:37

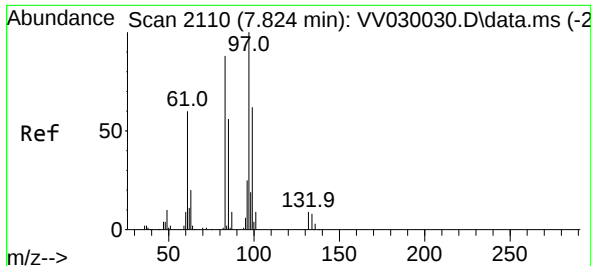
Tgt Ion: 75 Resp: 102116

Ion Ratio Lower Upper

75 100

77 31.7 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 5.274 ug/L

RT: 7.828 min Scan# 2111

Delta R.T. 0.003 min

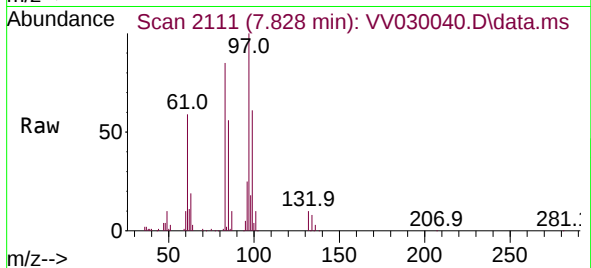
Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 63775

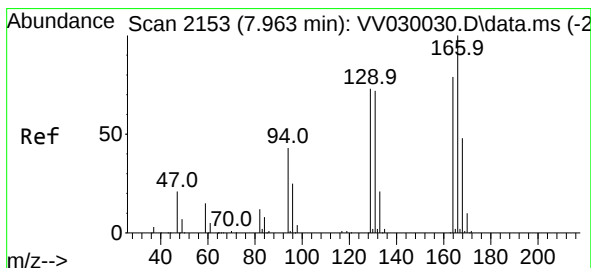
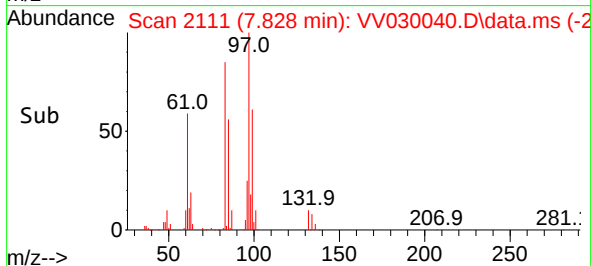
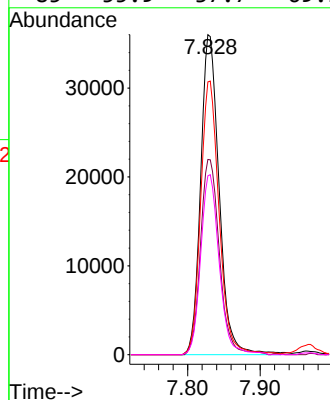
Ion Ratio Lower Upper

97 100

99 61.0 41.9 77.7

83 85.2 58.7 109.1

85 55.9 37.7 69.9



#47

Tetrachloroethene

Concen: 4.710 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.003 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Tgt Ion:164 Resp: 72028

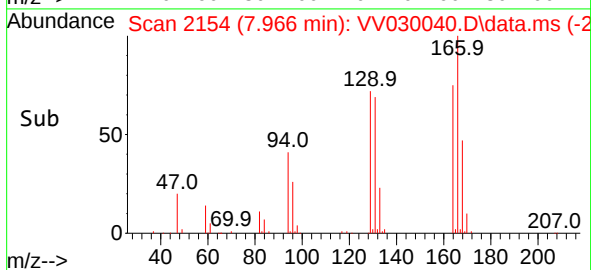
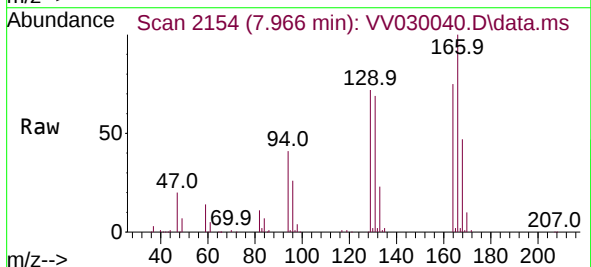
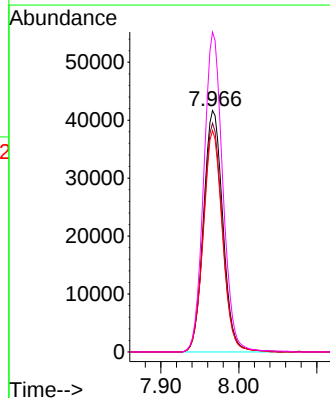
Ion Ratio Lower Upper

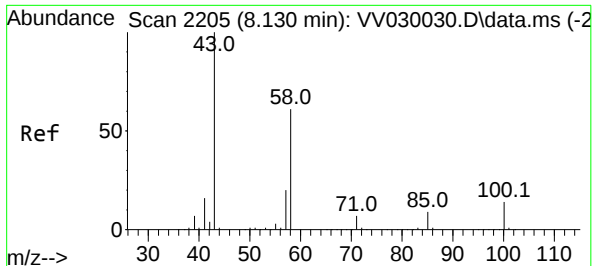
164 100

129 94.8 64.5 119.7

131 91.7 62.9 116.7

166 132.5 90.7 168.5

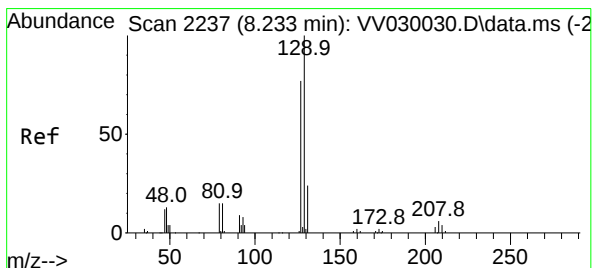
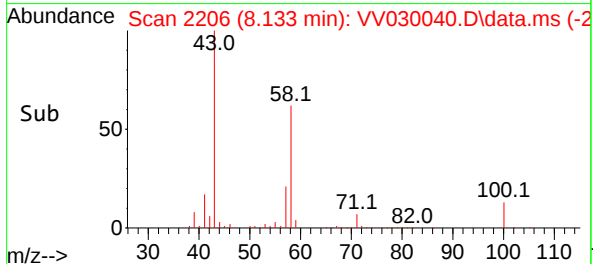
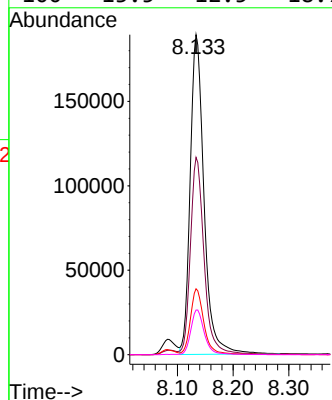
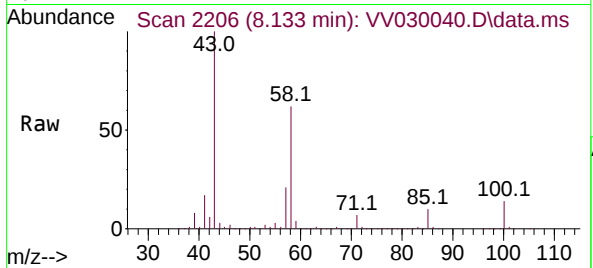




#48
2-Hexanone
Concen: 63.737 ug/L
RT: 8.133 min Scan# 2206
Delta R.T. 0.003 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

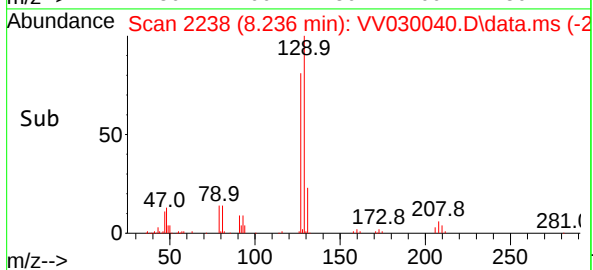
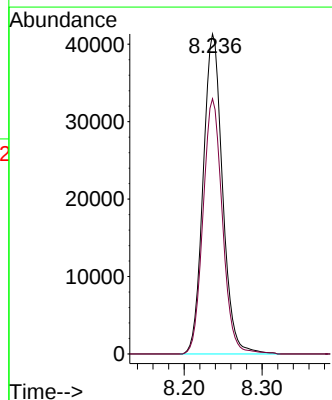
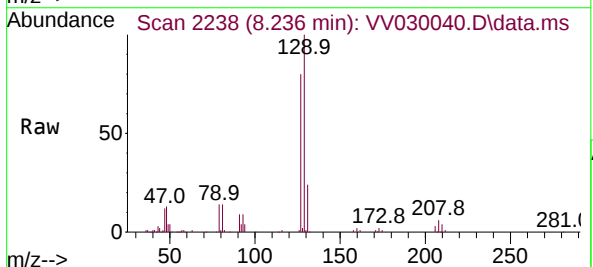
Instrument :
MSVOA_V
ClientSampleId :

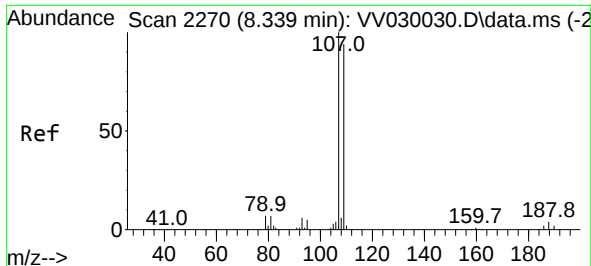
Tgt Ion: 43 Resp: 326310
Ion Ratio Lower Upper
43 100
58 60.6 51.4 77.2
57 19.9 17.0 25.6
100 13.5 12.5 18.7



#49
Dibromochloromethane
Concen: 5.034 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.003 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

Tgt Ion: 129 Resp: 71444
Ion Ratio Lower Upper
129 100
127 79.8 54.1 100.5





#50

1,2-Dibromoethane

Concen: 5.250 ug/L

RT: 8.342 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV030040.D

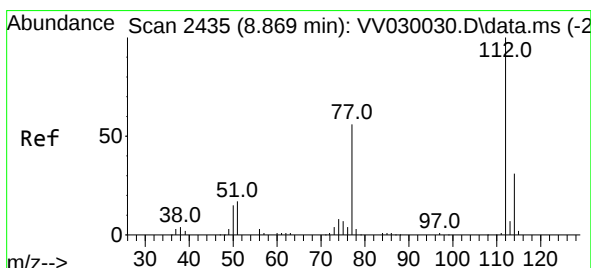
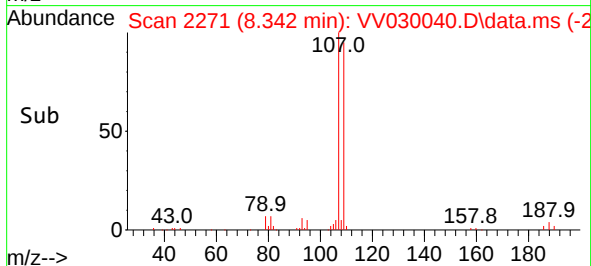
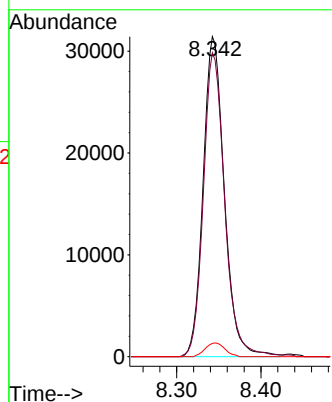
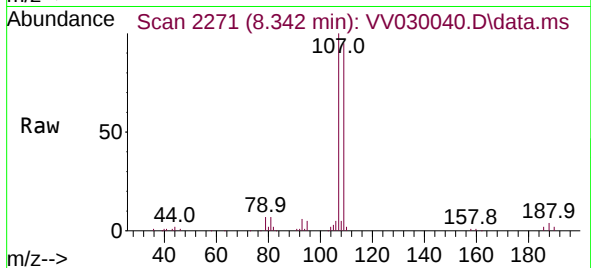
Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	55115
Ion Ratio	Lower	Upper
107	100	
109	95.0	66.1 122.7
188	4.1	2.9 4.3



#51

Chlorobenzene

Concen: 5.119 ug/L

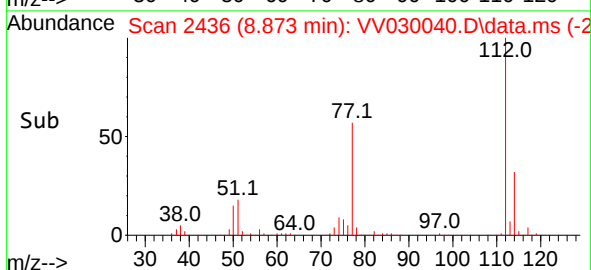
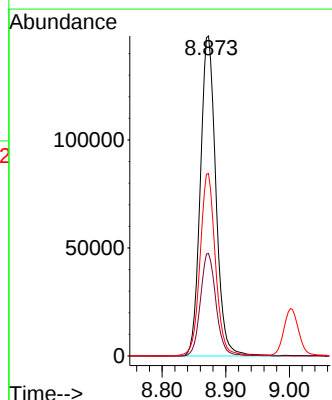
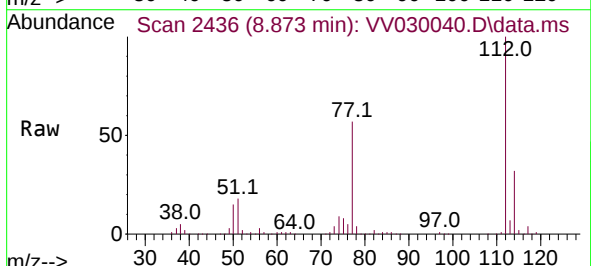
RT: 8.873 min Scan# 2436

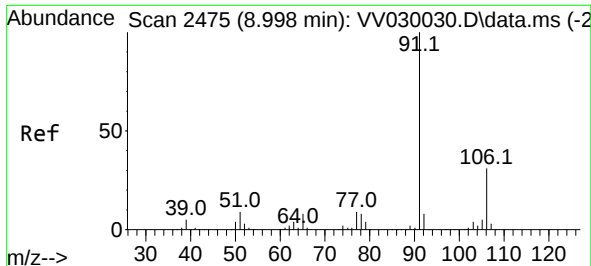
Delta R.T. 0.003 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Tgt Ion:112	Resp:	251228
Ion Ratio	Lower	Upper
112	100	
114	32.0	22.5 41.9
77	57.0	46.1 69.1





#52

Ethylbenzene

Concen: 4.940 ug/L

RT: 9.002 min Scan# 2475

Delta R.T. 0.003 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

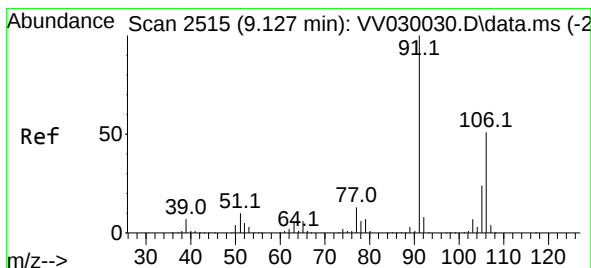
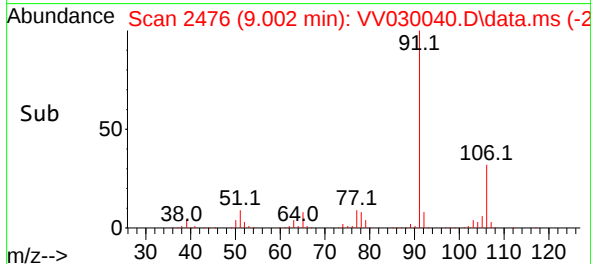
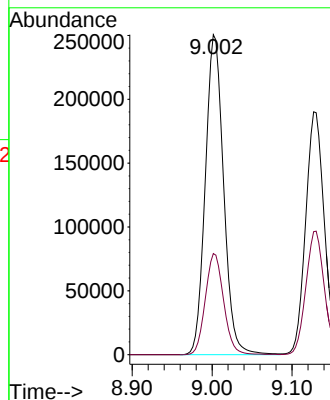
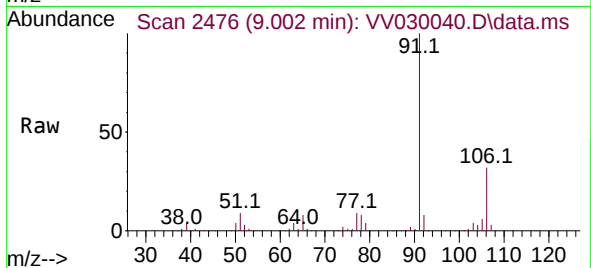
ClientSampleId :

Tgt Ion: 91 Resp: 399617

Ion Ratio Lower Upper

91 100

106 31.6 21.9 40.7



#53

m,p-Xylene

Concen: 4.884 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. 0.003 min

Lab File: VV030040.D

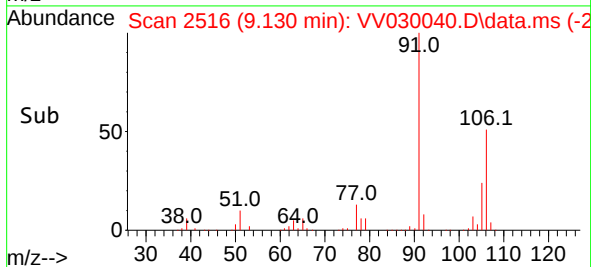
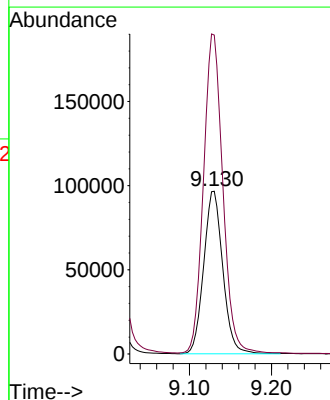
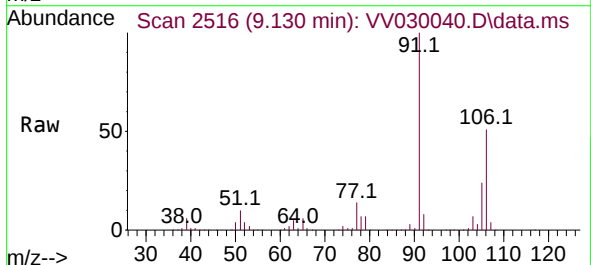
Acq: 03 Feb 2023 16:37

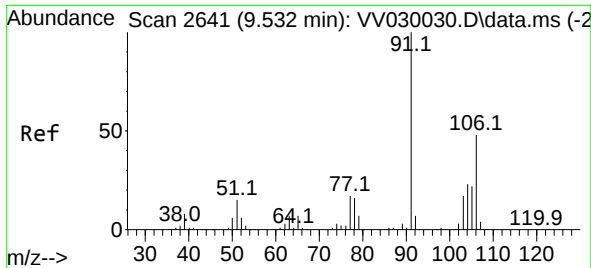
Tgt Ion:106 Resp: 156410

Ion Ratio Lower Upper

106 100

91 195.8 138.7 257.7

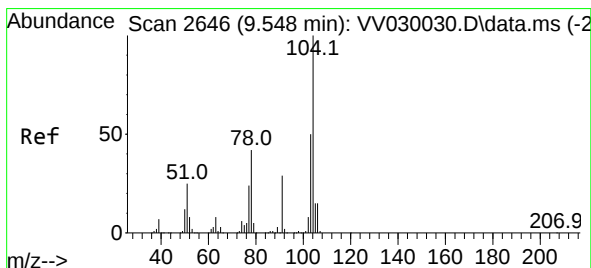
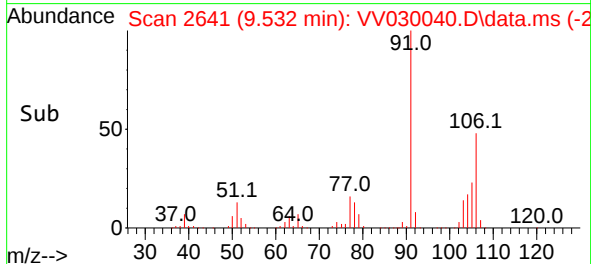
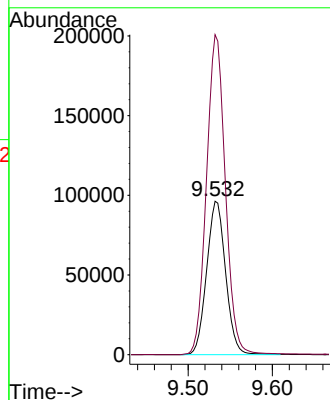
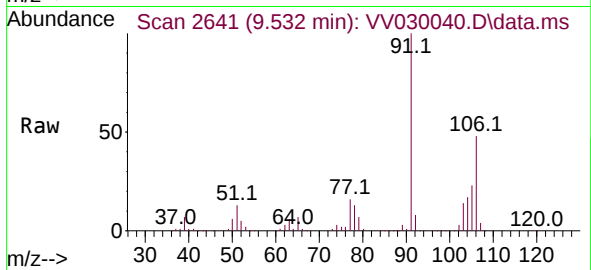




#54
o-Xylene
Concen: 4.971 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. 0.000 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

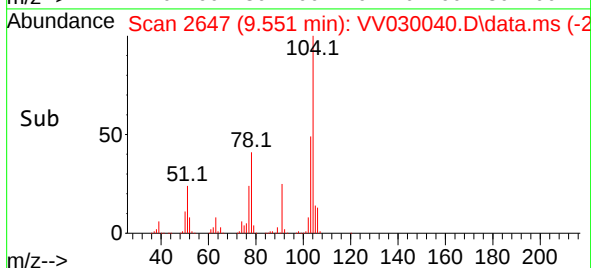
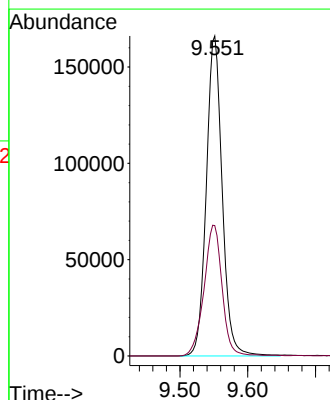
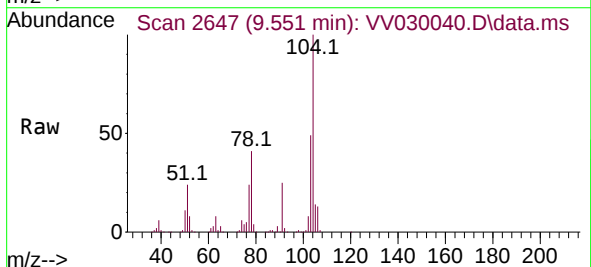
Instrument :
MSVOA_V
ClientSampleId :

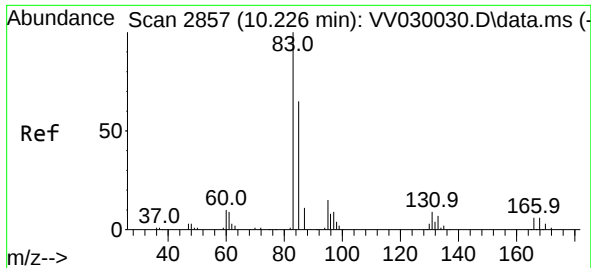
Tgt Ion:106 Resp: 151062
Ion Ratio Lower Upper
106 100
91 208.5 147.7 274.3



#55
Styrene
Concen: 5.183 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.003 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

Tgt Ion:104 Resp: 270914
Ion Ratio Lower Upper
104 100
78 40.8 28.6 53.2

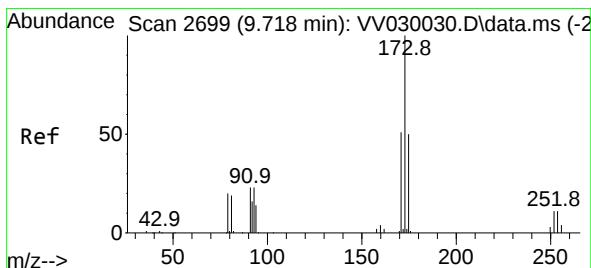
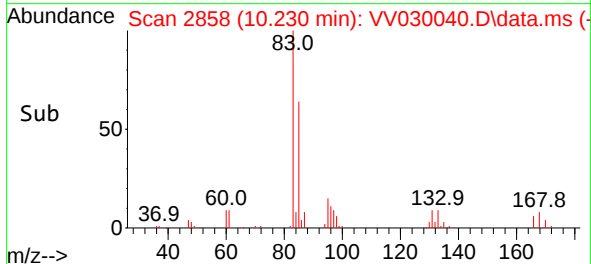
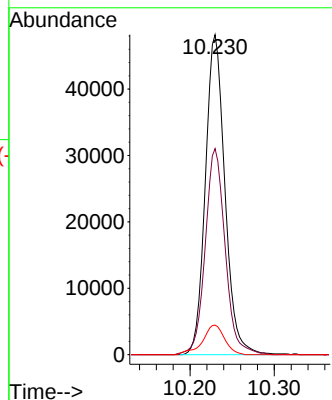
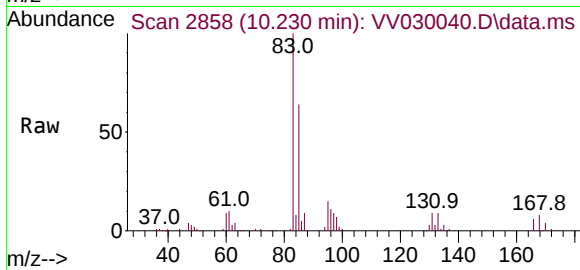




#57
1,1,2,2-Tetrachloroethane
Concen: 5.798 ug/L
RT: 10.230 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

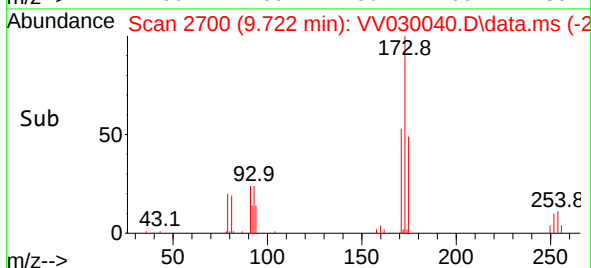
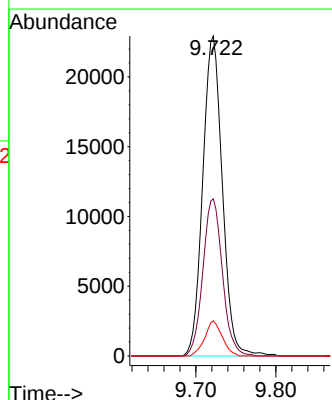
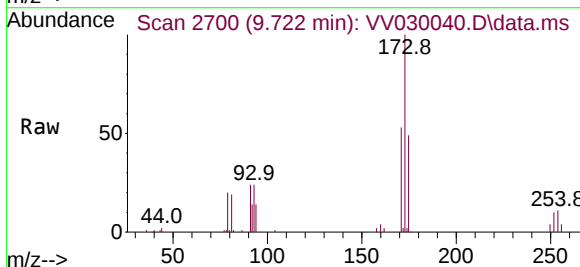
Instrument :
MSVOA_V
ClientSampleId :

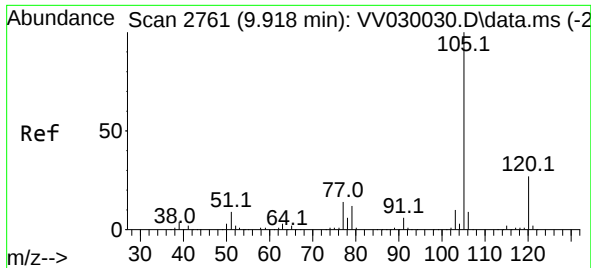
Tgt Ion: 83 Resp: 77885
Ion Ratio Lower Upper
83 100
85 64.4 46.0 85.4
131 9.3 8.4 12.6



#59
Bromoform
Concen: 4.862 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. 0.003 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

Tgt Ion: 173 Resp: 39150
Ion Ratio Lower Upper
173 100
175 48.8 38.6 57.8
254 9.8 7.9 11.9

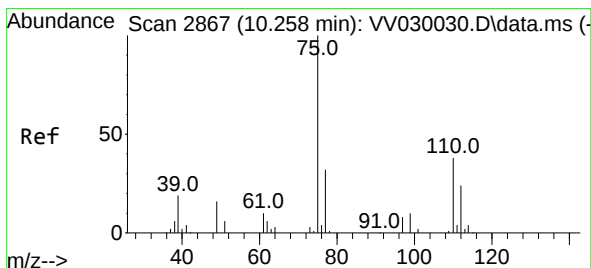
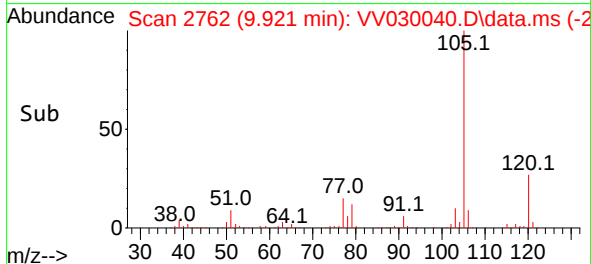
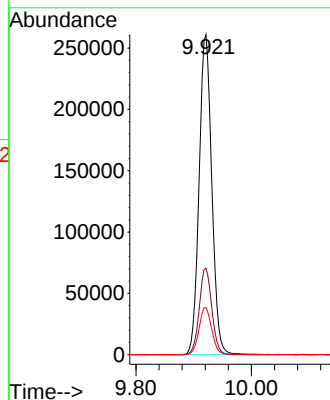
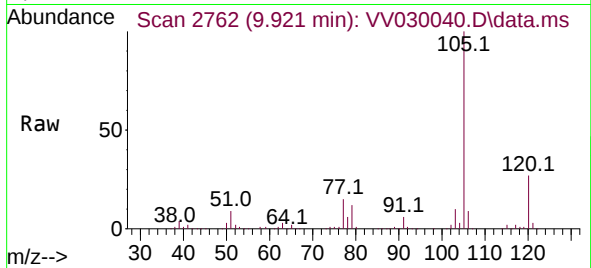




#60
Isopropylbenzene
Concen: 5.010 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

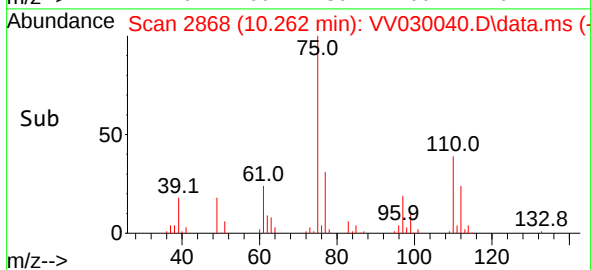
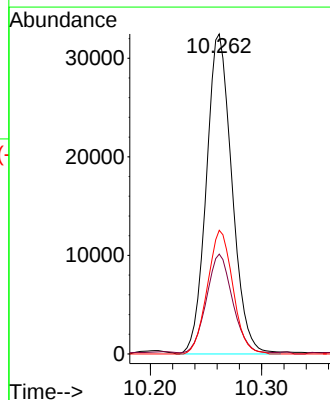
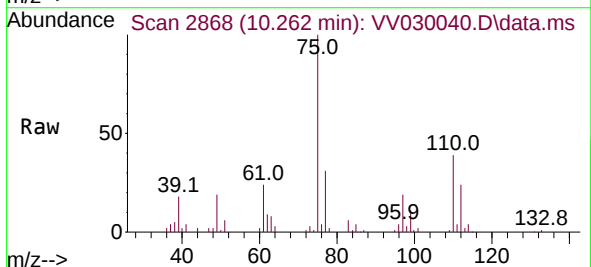
Instrument :
MSVOA_V
ClientSampleId :

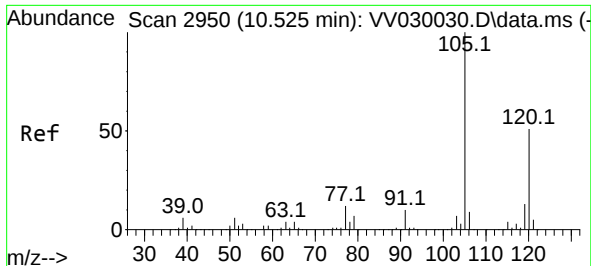
Tgt Ion:105 Resp: 398117
Ion Ratio Lower Upper
105 100
120 26.7 21.2 31.8
77 14.7 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.633 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. 0.003 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

Tgt Ion: 75 Resp: 51862
Ion Ratio Lower Upper
75 100
77 31.1 26.5 39.7
110 38.3 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 4.732 ug/L

RT: 10.529 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

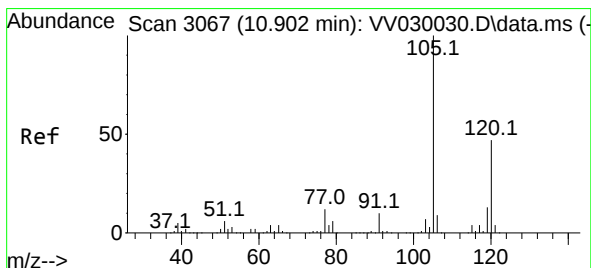
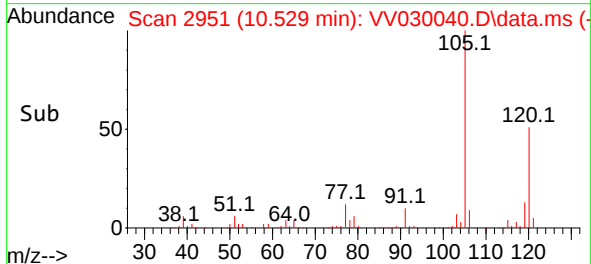
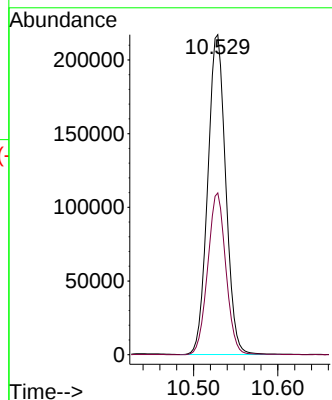
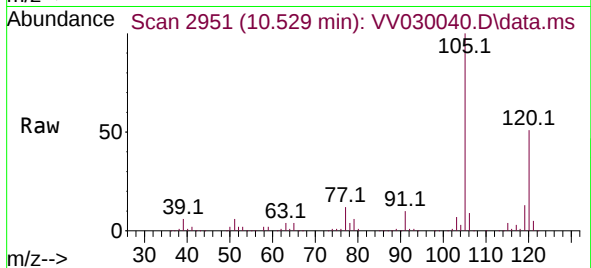
ClientSampleId :

Tgt Ion:105 Resp: 322258

Ion Ratio Lower Upper

105 100

120 51.0 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 4.851 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. 0.000 min

Lab File: VV030040.D

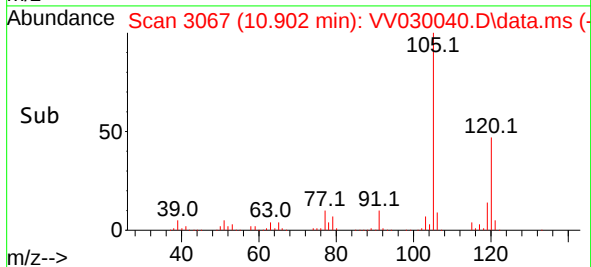
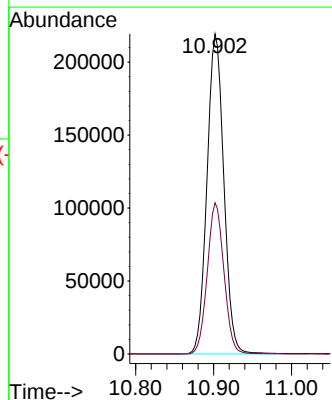
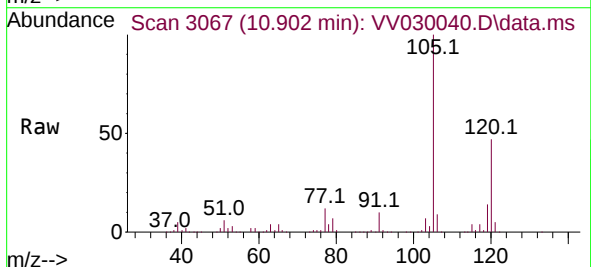
Acq: 03 Feb 2023 16:37

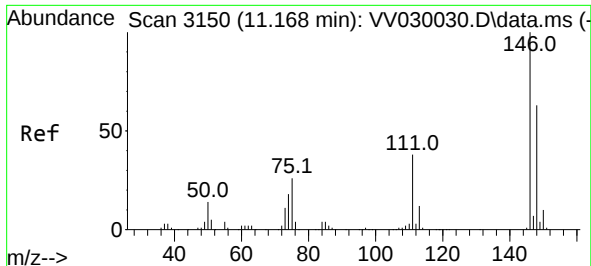
Tgt Ion:105 Resp: 329419

Ion Ratio Lower Upper

105 100

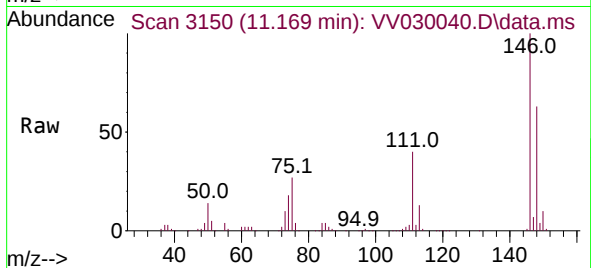
120 46.8 37.4 56.0



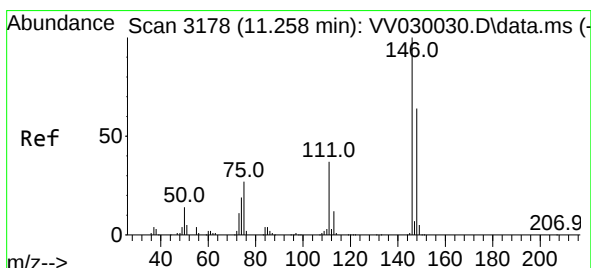
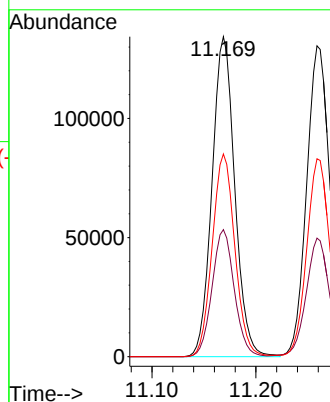
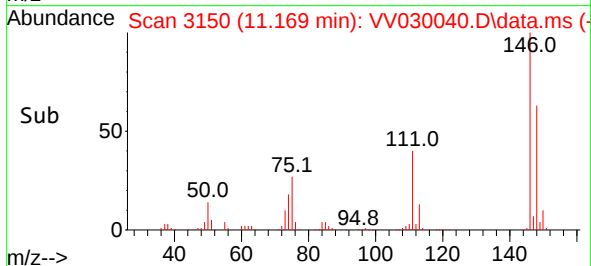


#64
1,3-Dichlorobenzene
Concen: 5.047 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

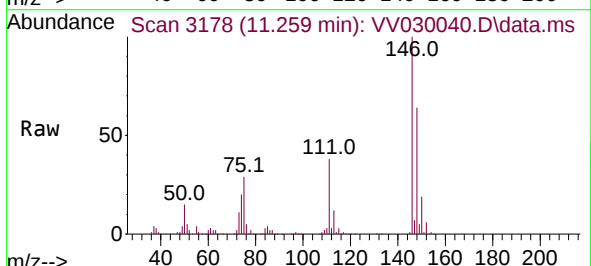
Instrument :
MSVOA_V
ClientSampleId :



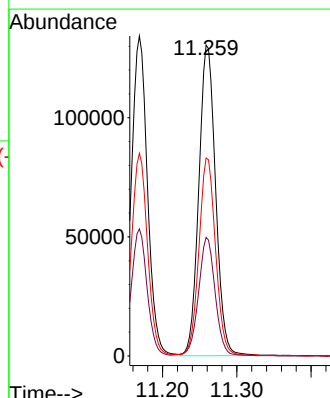
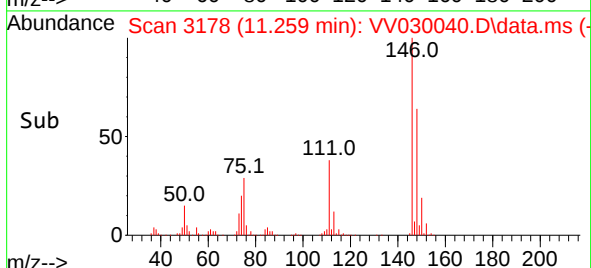
Tgt Ion:146 Resp: 203680
Ion Ratio Lower Upper
146 100
111 39.7 27.2 50.6
148 63.4 44.9 83.5

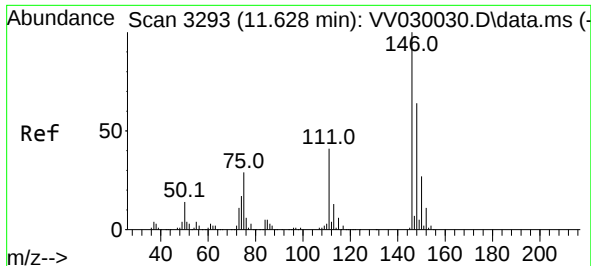


#65
1,4-Dichlorobenzene
Concen: 5.101 ug/L
RT: 11.259 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37



Tgt Ion:146 Resp: 205210
Ion Ratio Lower Upper
146 100
111 38.1 26.5 49.1
148 63.7 45.8 85.2

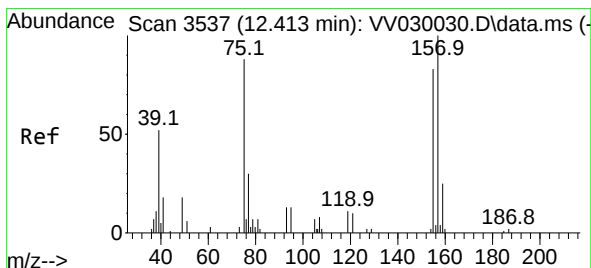
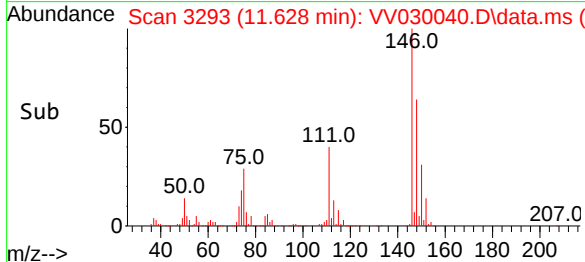
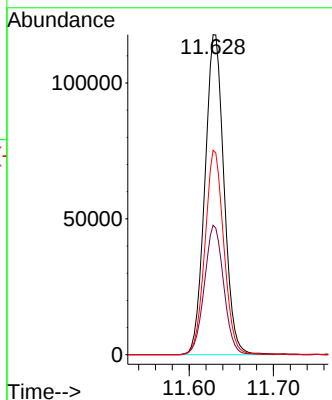
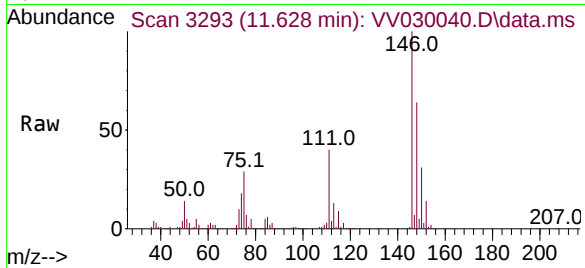




#67
1,2-Dichlorobenzene
Concen: 5.119 ug/L
RT: 11.628 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

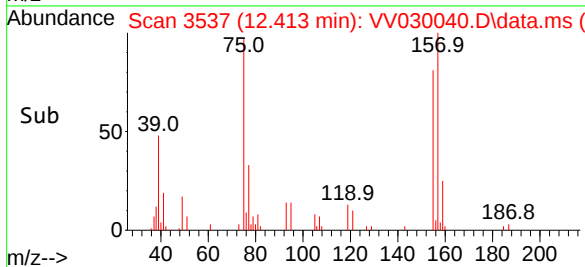
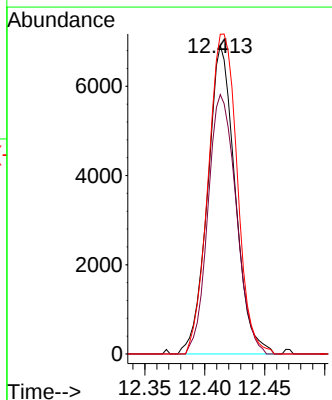
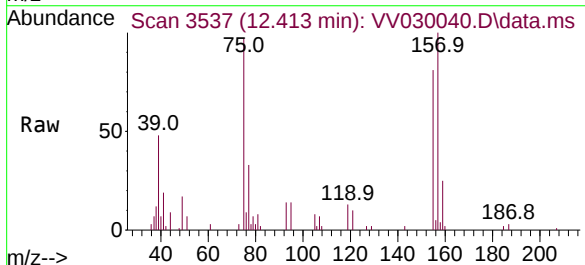
Instrument :
MSVOA_V
ClientSampleId :

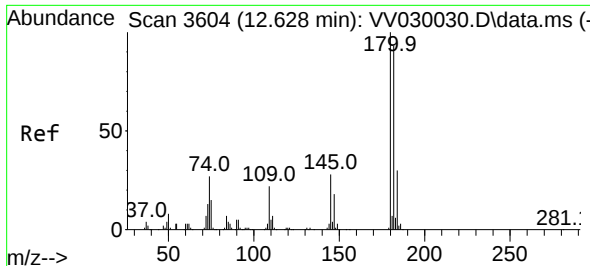
Tgt Ion:146 Resp: 185730
Ion Ratio Lower Upper
146 100
111 40.4 31.8 47.8
148 63.9 51.4 77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 5.075 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VV030040.D
Acq: 03 Feb 2023 16:37

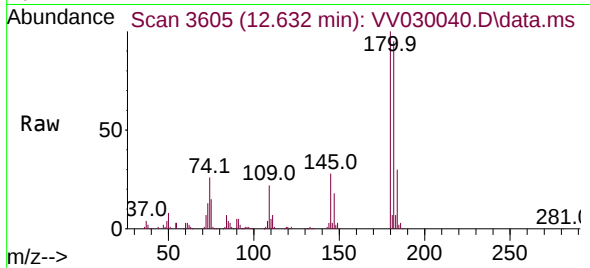
Tgt Ion: 75 Resp: 11048
Ion Ratio Lower Upper
75 100
155 84.0 75.5 113.3
157 103.6 99.2 148.8



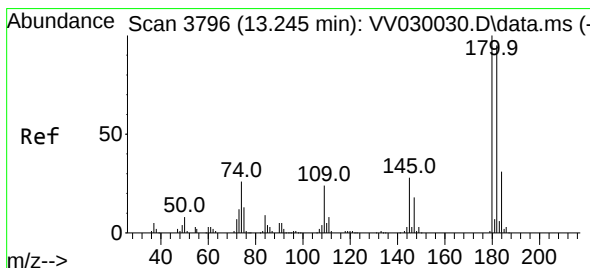
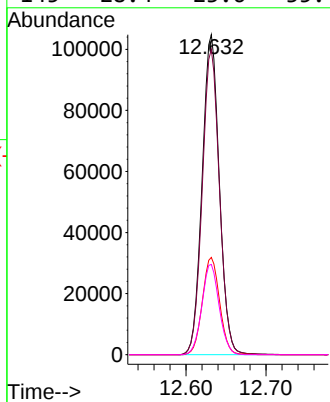
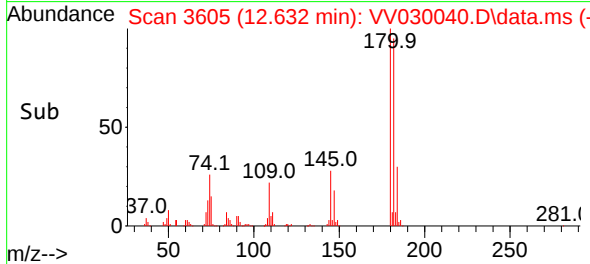


#69
 1,3,5-Trichlorobenzene
 Concen: 4.834 ug/L
 RT: 12.632 min Scan# 3605
 Delta R.T. 0.003 min
 Lab File: VV030040.D
 Acq: 03 Feb 2023 16:37

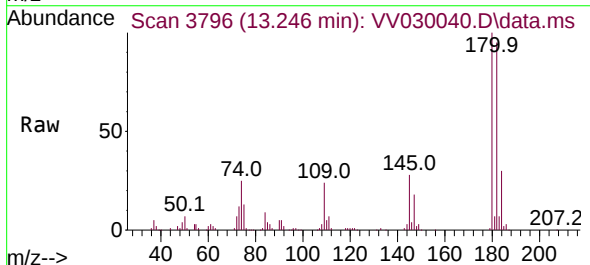
Instrument :
 MSVOA_V
 ClientSampleId :



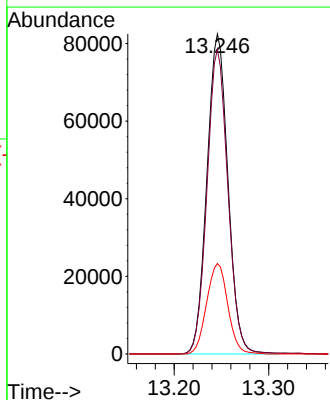
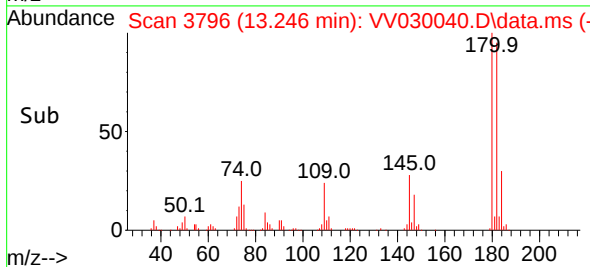
Tgt Ion:180 Resp: 157021
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.4 113.2
 184 30.5 23.9 35.9
 145 28.4 23.6 35.4

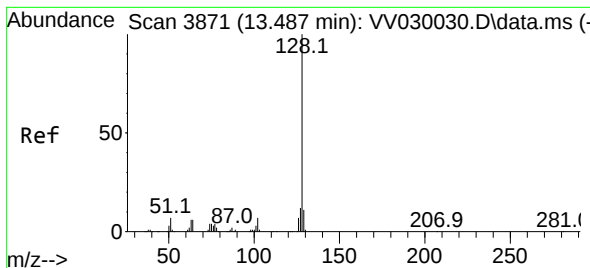


#70
 1,2,4-trichlorobenzene
 Concen: 5.016 ug/L
 RT: 13.246 min Scan# 3796
 Delta R.T. 0.000 min
 Lab File: VV030040.D
 Acq: 03 Feb 2023 16:37



Tgt Ion:180 Resp: 127313
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.8 113.8
 145 28.4 23.7 35.5





#71

Naphthalene

Concen: 5.236 ug/L

RT: 13.487 min Scan# 3871

Delta R.T. 0.000 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

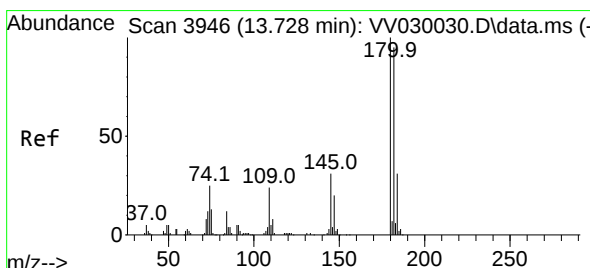
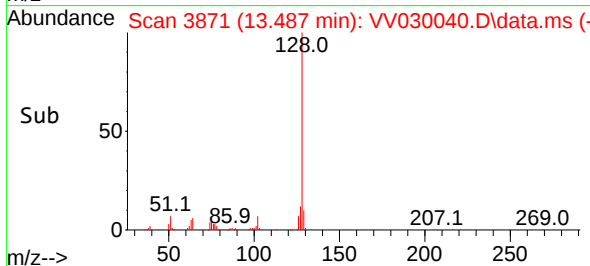
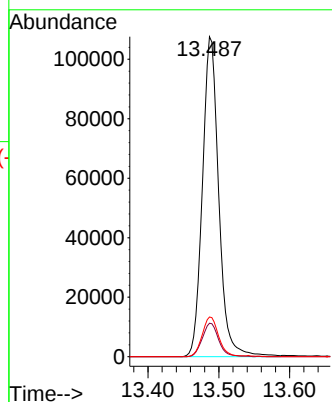
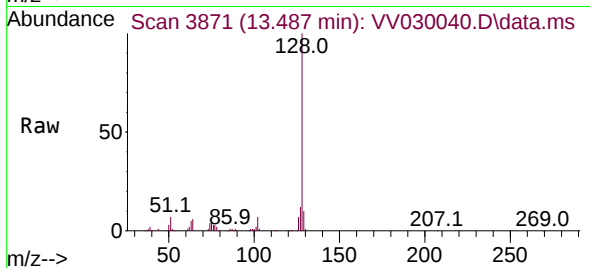
Tgt Ion:128 Resp: 172170

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

127 12.5 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 5.164 ug/L

RT: 13.728 min Scan# 3946

Delta R.T. 0.000 min

Lab File: VV030040.D

Acq: 03 Feb 2023 16:37

Tgt Ion:180 Resp: 108785

Ion Ratio Lower Upper

180 100

182 94.0 75.5 113.3

145 31.2 25.0 37.6

