

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025827.D
 Acq On : 15 Dec 2021 20:10
 Operator : JC/MD
 Sample : M5074-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CS-4

Quant Time: Dec 16 07:31:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

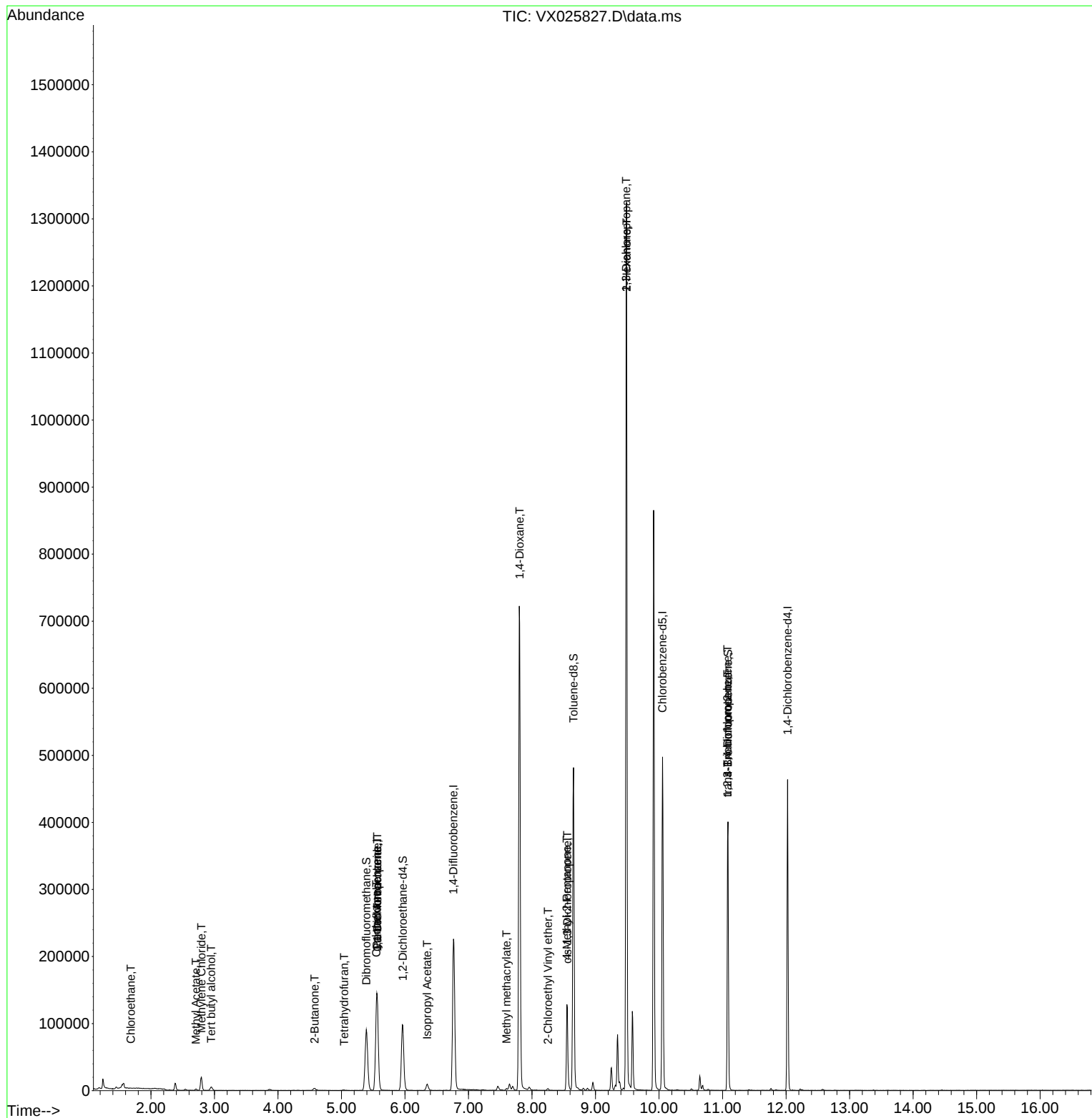
Internal Standards						
1) Pentafluorobenzene	5.556	168	136122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	234892	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	93229	47.601	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.200%
35) Dibromofluoromethane	5.391	113	75936	46.354	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.700%
50) Toluene-d8	8.653	98	287204	48.118	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.240%
62) 4-Bromofluorobenzene	11.085	95	106592	47.013	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.020%
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	397	0.325	ug/l #	55
11) Tert butyl alcohol	2.947	59	3414	8.690	ug/l #	73
16) Acetone	2.386	43	11110	Below Cal		99
18) Methyl Acetate	2.709	43	2644	0.886	ug/l #	85
20) Methylene Chloride	2.794	84	8989	3.097	ug/l	93
25) 2-Butanone	4.574	43	4735	3.595	ug/l #	86
29) Tetrahydrofuran	5.044	42	757	0.904	ug/l #	47
31) Cyclohexane	5.550	56	3234	1.358	ug/l #	30
36) 1,1-Dichloropropene	5.562	75	10702	4.817	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14726	5.697	ug/l #	16
43) Isopropyl Acetate	6.348	43	11722	2.948	ug/l	97
48) Methyl methacrylate	7.598	41	4028	2.151	ug/l #	12
49) 1,4-Dioxane	7.805	88	124	3.033	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	45698	17.555	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	20243	7.573	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	11525	3.880	ug/l #	42
58) 2-Chloroethyl Vinyl ether	8.251	63	1095	16.444	ug/l	99
59) 2-Hexanone	9.488	43	155590	78.887	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	55305	26.652	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	55305	82.629	ug/l #	10

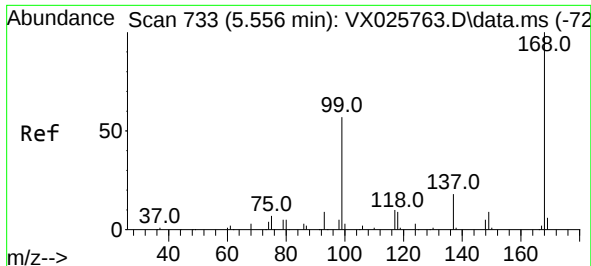
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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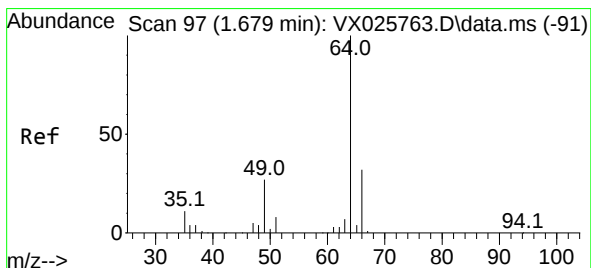
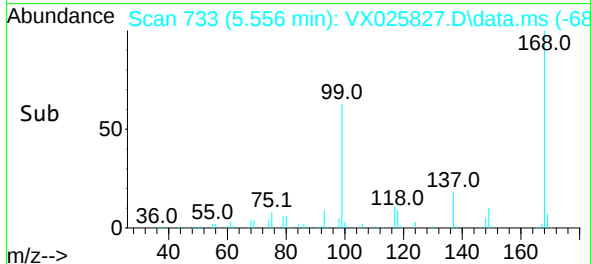
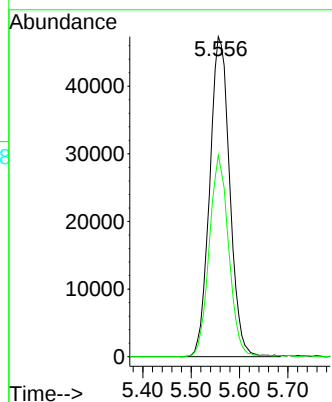
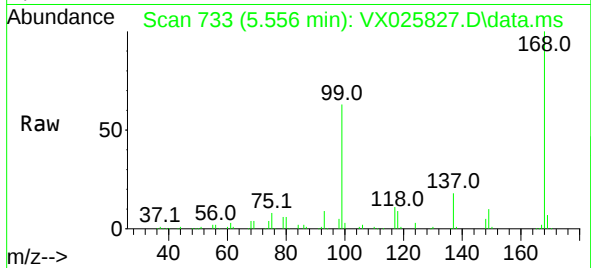




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

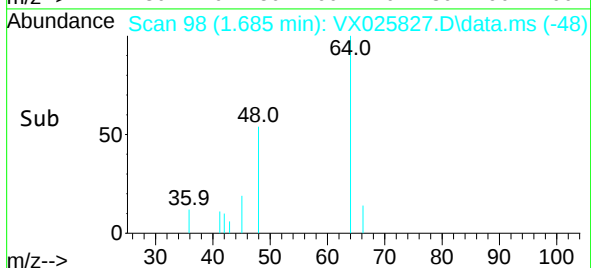
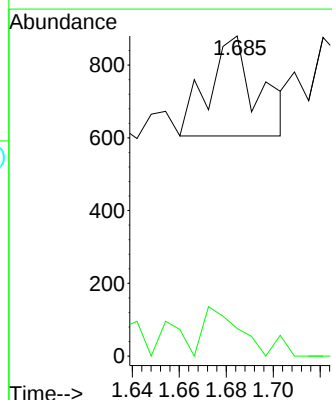
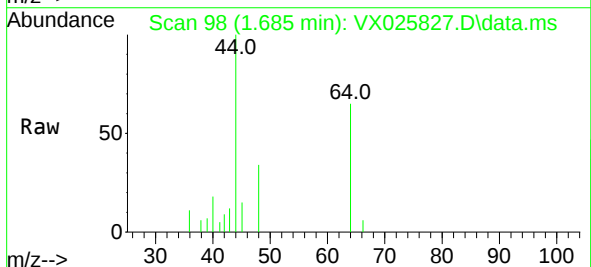
Instrument :
MSVOA_X
ClientSampleId :
CS-4

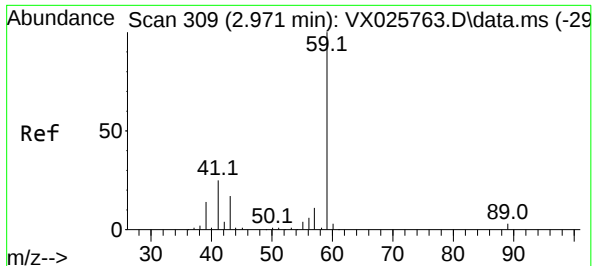
Tgt Ion:168 Resp: 136122
Ion Ratio Lower Upper
168 100
99 62.9 45.8 68.8



#6
Chloroethane
Concen: 0.325 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

Tgt Ion: 64 Resp: 397
Ion Ratio Lower Upper
64 100
66 6.9 25.9 38.9#





#11

Tert butyl alcohol

Concen: 8.690 ug/l

RT: 2.947 min Scan# 309

Delta R.T. -0.024 min

Lab File: VX025827.D

Acq: 15 Dec 2021 20:10

Instrument :

MSVOA_X

ClientSampleId :

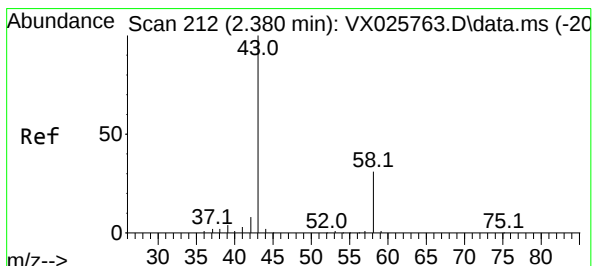
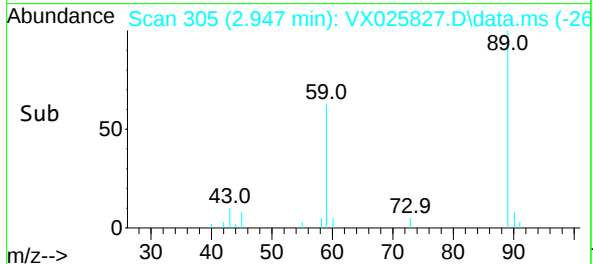
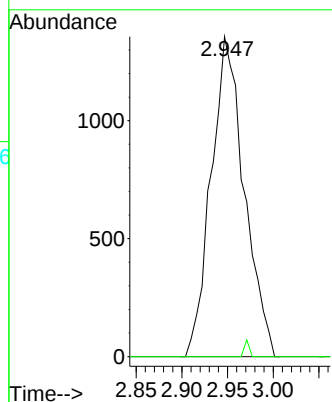
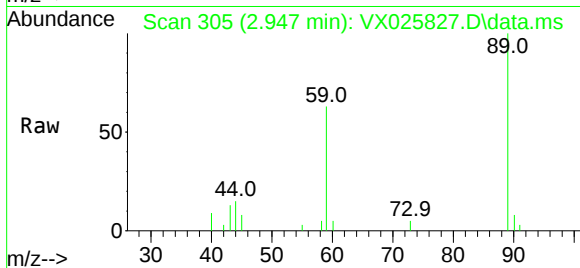
CS-4

Tgt Ion: 59 Resp: 3414

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX025827.D

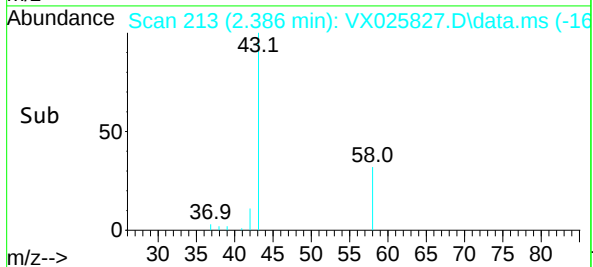
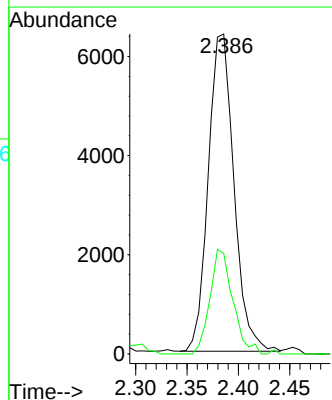
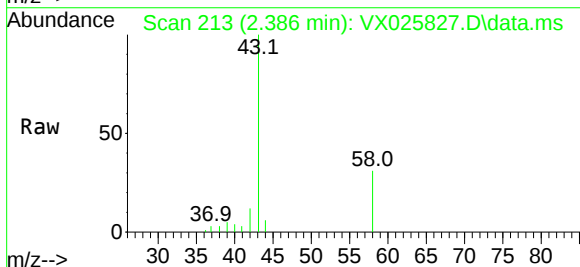
Acq: 15 Dec 2021 20:10

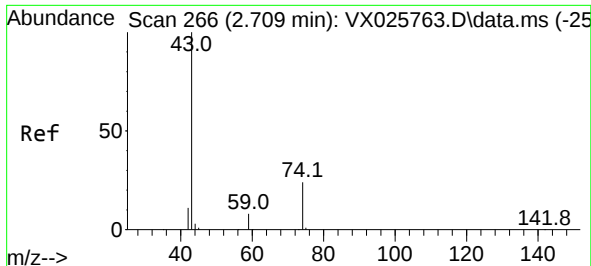
Tgt Ion: 43 Resp: 11110

Ion Ratio Lower Upper

43 100

58 31.7 24.8 37.2

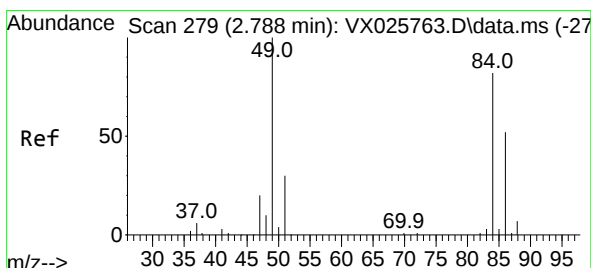
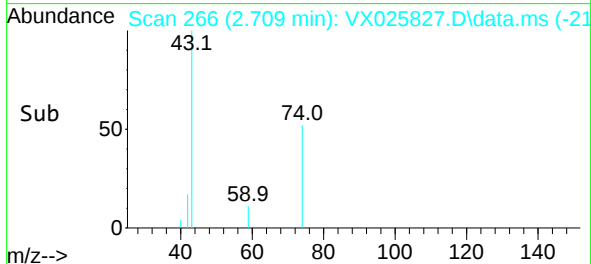
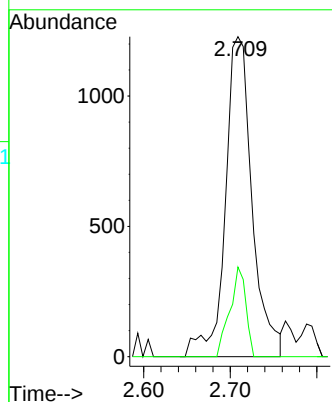
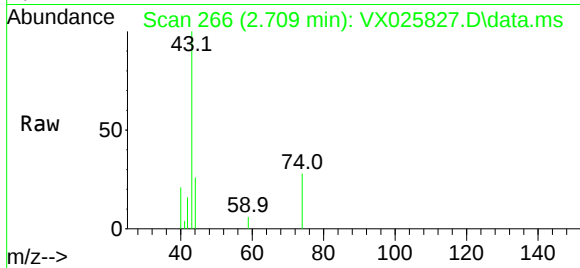




#18
Methyl Acetate
Concen: 0.886 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

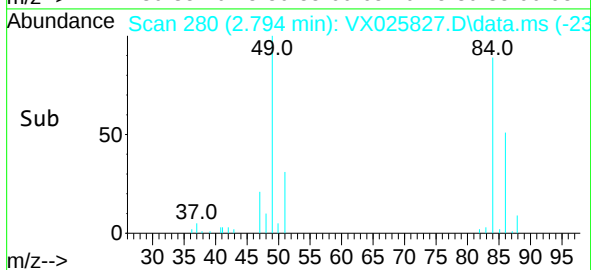
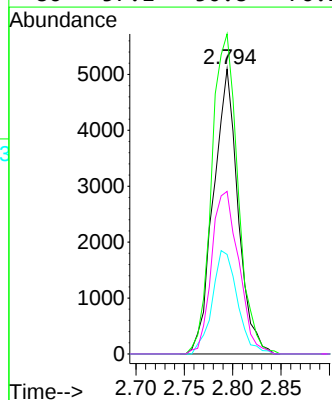
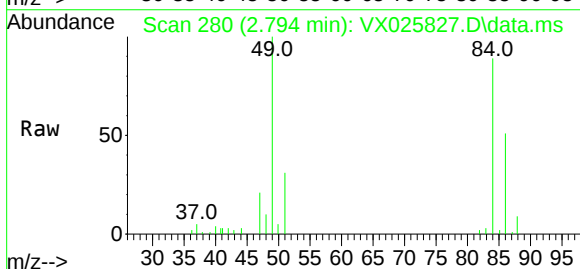
Instrument :
MSVOA_X
ClientSampleId :
CS-4

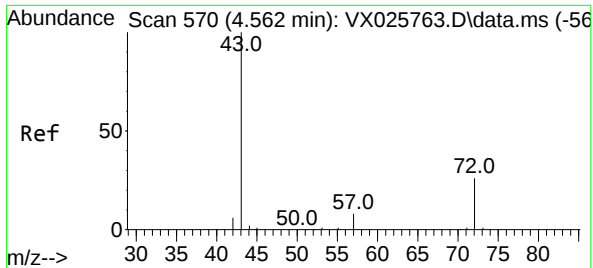
Tgt Ion: 43 Resp: 2644
Ion Ratio Lower Upper
43 100
74 16.6 19.1 28.7#



#20
Methylene Chloride
Concen: 3.097 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

Tgt Ion: 84 Resp: 8989
Ion Ratio Lower Upper
84 100
49 112.3 97.1 145.7
51 34.9 29.3 43.9
86 57.1 50.8 76.2





#25

2-Butanone

Concen: 3.595 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX025827.D

Acq: 15 Dec 2021 20:10

Instrument :

MSVOA_X

ClientSampleId :

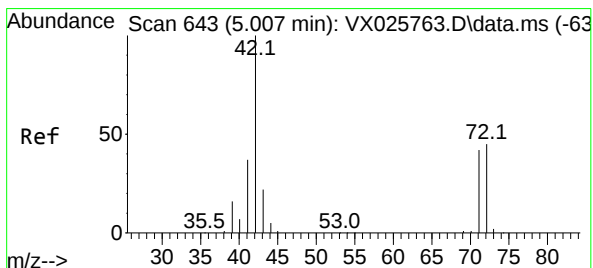
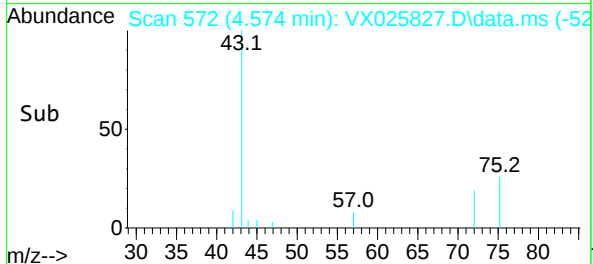
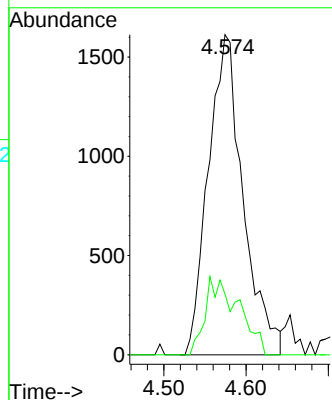
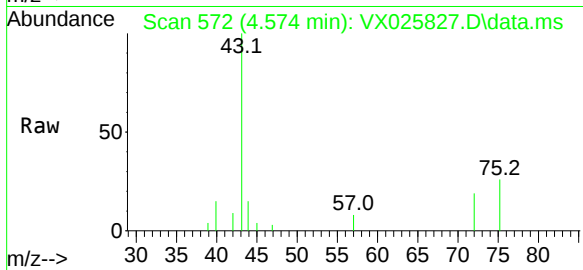
CS-4

Tgt Ion: 43 Resp: 4735

Ion Ratio Lower Upper

43 100

72 19.0 21.0 31.4#



#29

Tetrahydrofuran

Concen: 0.904 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.036 min

Lab File: VX025827.D

Acq: 15 Dec 2021 20:10

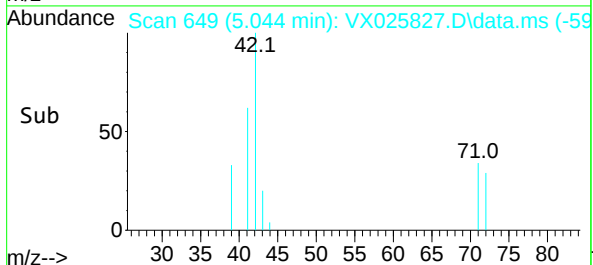
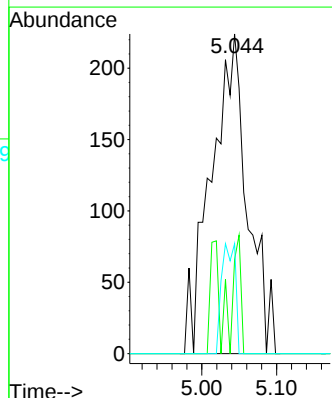
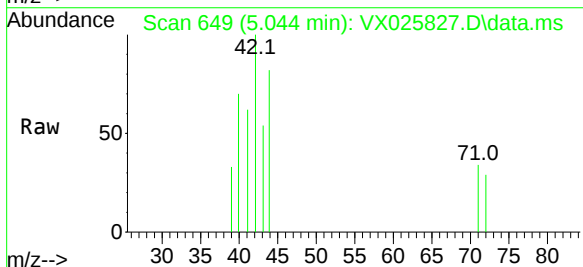
Tgt Ion: 42 Resp: 757

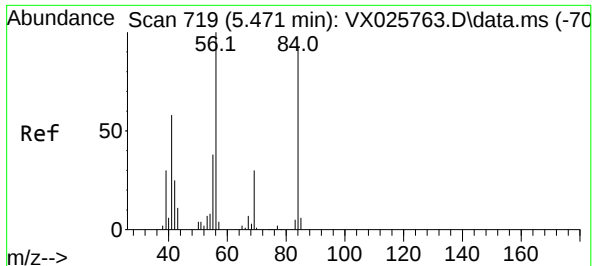
Ion Ratio Lower Upper

42 100

72 7.1 37.0 55.6#

71 13.1 34.1 51.1#

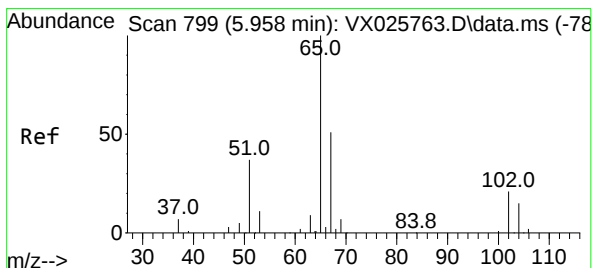
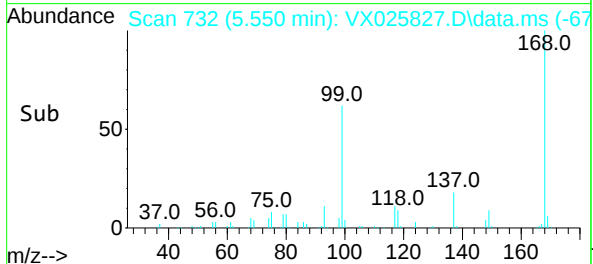
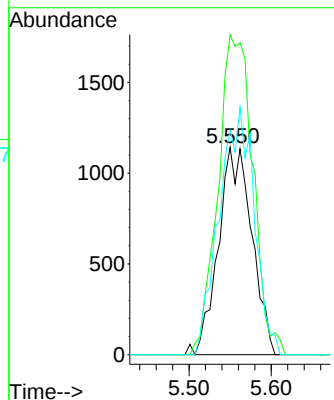
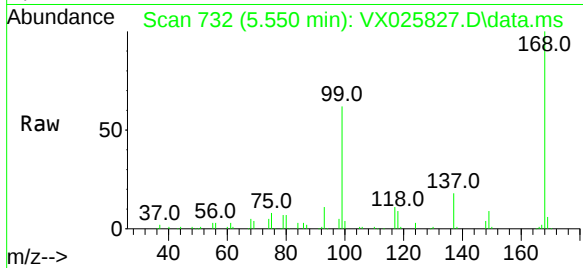




#31
Cyclohexane
Concen: 1.358 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

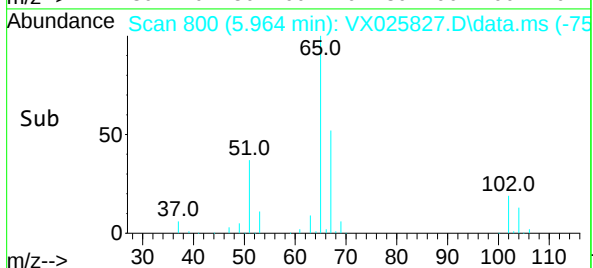
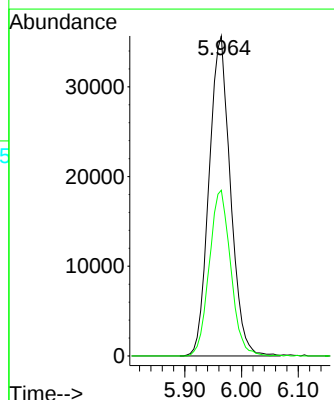
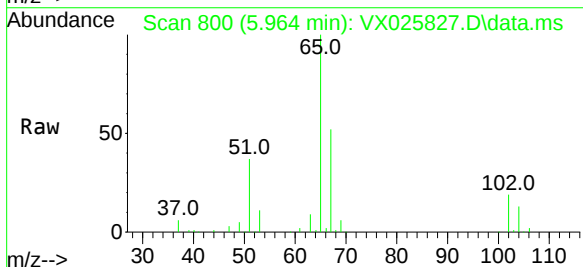
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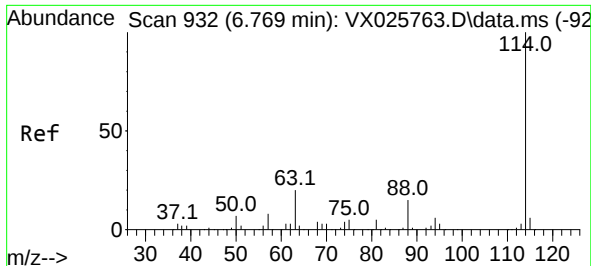
Tgt Ion: 56 Resp: 3234
Ion Ratio Lower Upper
56 100
69 154.4 23.9 35.9#
84 108.3 73.2 109.8



#33
1,2-Dichloroethane-d4
Concen: 47.601 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

Tgt Ion: 65 Resp: 93229
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

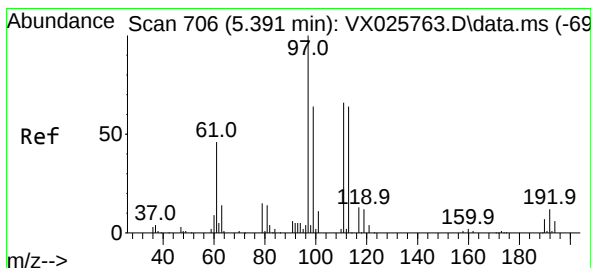
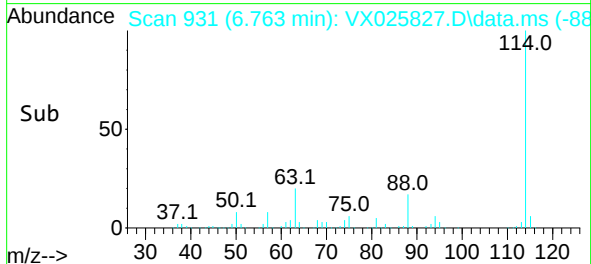
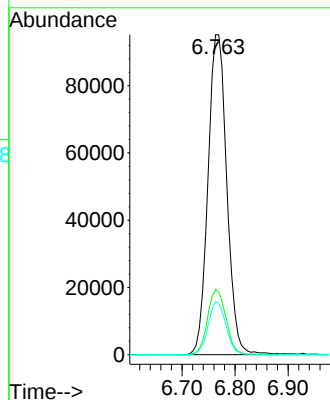
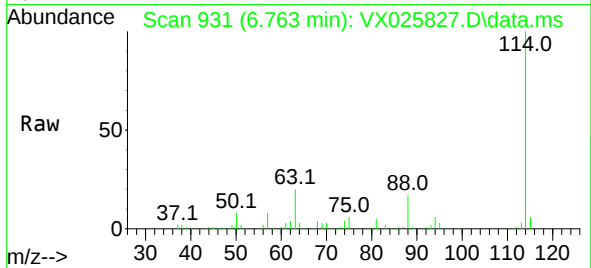




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

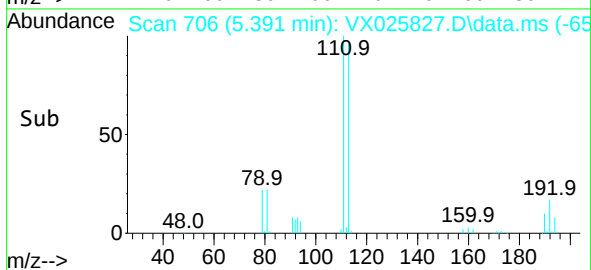
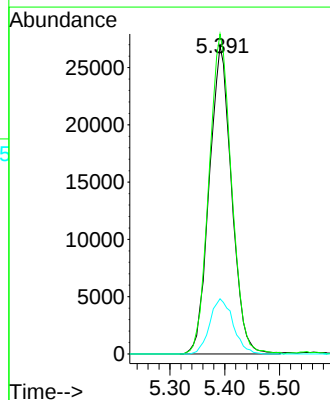
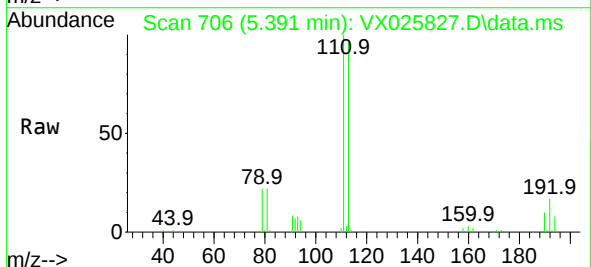
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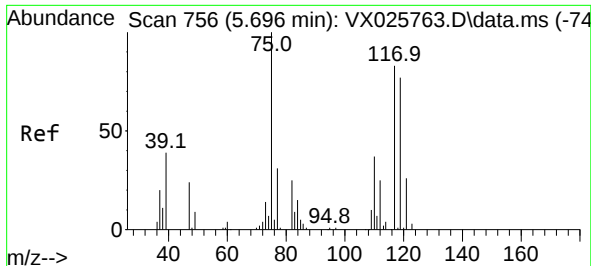
Tgt Ion:114 Resp: 234892
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.0
88 16.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.354 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

Tgt Ion:113 Resp: 75936
Ion Ratio Lower Upper
113 100
111 105.0 81.8 122.8
192 18.7 15.0 22.4

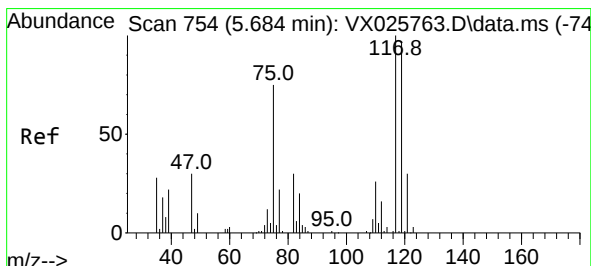
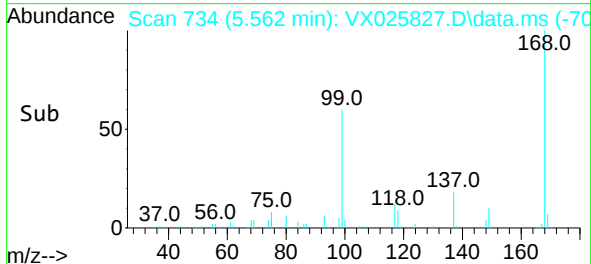
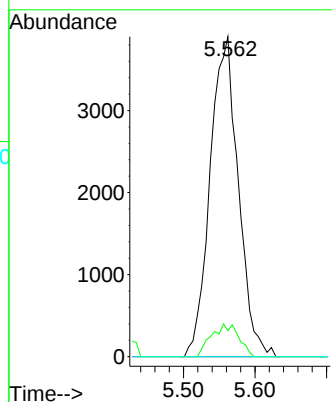
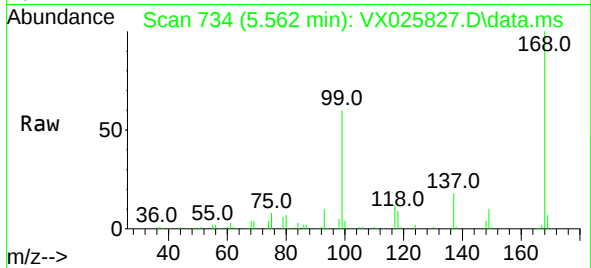




#36
1,1-Dichloropropene
Concen: 4.817 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.134 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

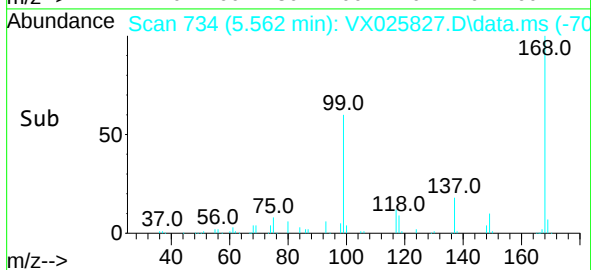
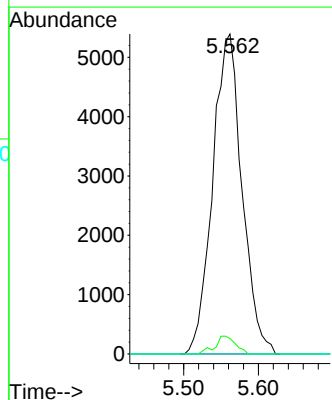
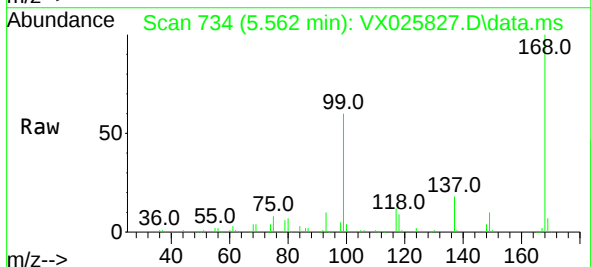
Instrument :
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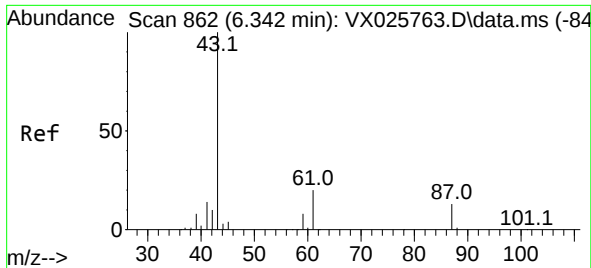
Tgt Ion: 75 Resp: 10702
Ion Ratio Lower Upper
75 100
110 9.9 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

Tgt Ion: 117 Resp: 14726
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 23.8 35.8#

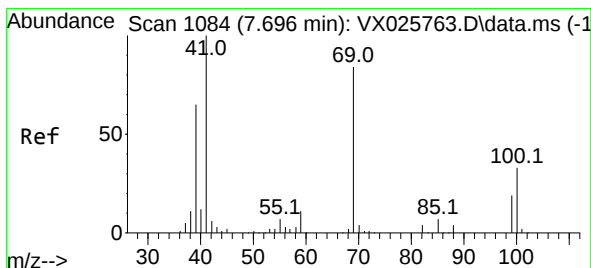
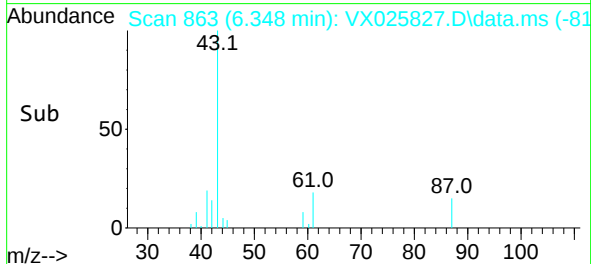
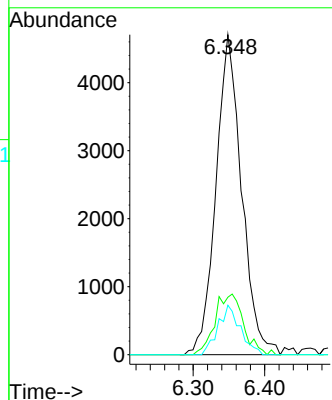
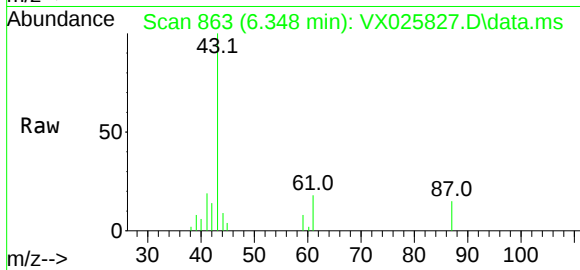




#43
Isopropyl Acetate
Concen: 2.948 ug/l
RT: 6.348 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

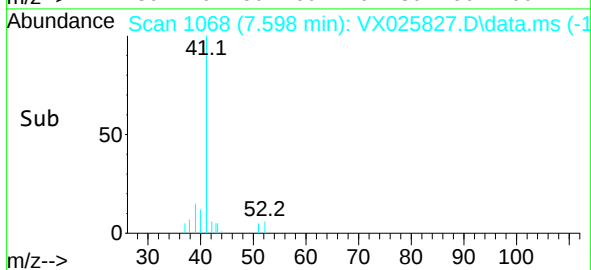
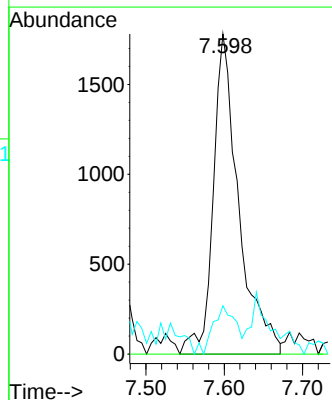
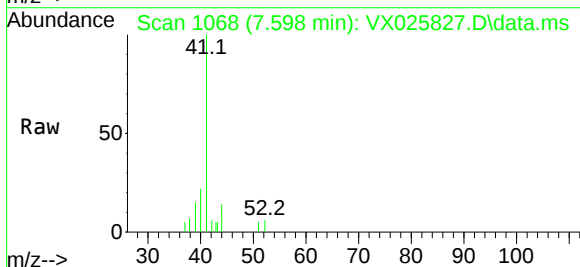
Instrument :
MSVOA_X
ClientSampleId :
CS-4

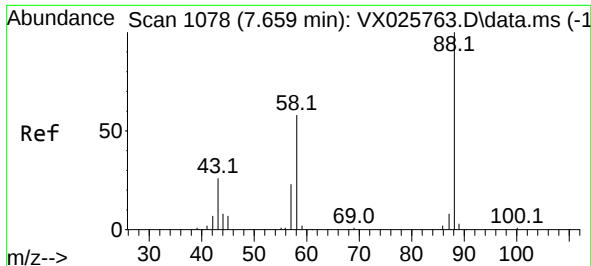
Tgt Ion: 43 Resp: 11722
Ion Ratio Lower Upper
43 100
61 21.1 15.7 23.5
87 13.4 11.2 16.8



#48
Methyl methacrylate
Concen: 2.151 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

Tgt Ion: 41 Resp: 4028
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#





#49

1,4-Dioxane

Concen: 3.033 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX025827.D

Acq: 15 Dec 2021 20:10

Instrument :

MSVOA_X

ClientSampleId :

CS-4

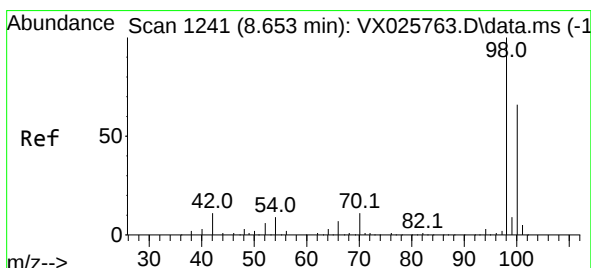
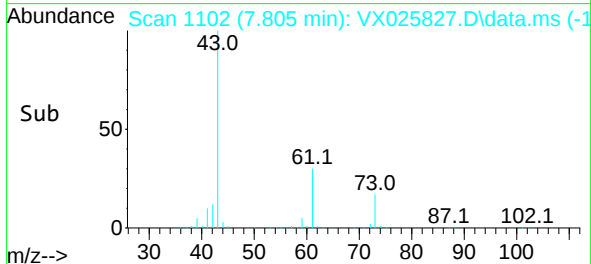
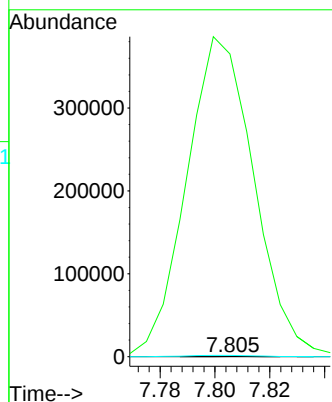
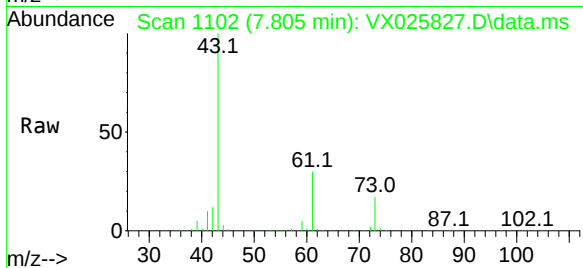
Tgt Ion: 88 Resp: 124

Ion Ratio Lower Upper

88 100

43 541220.2 25.3 37.9#

58 2412.9 51.8 77.6#



#50

Toluene-d8

Concen: 48.118 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025827.D

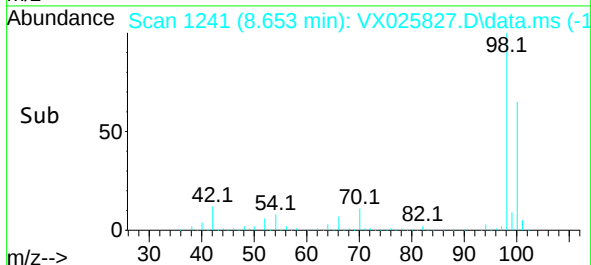
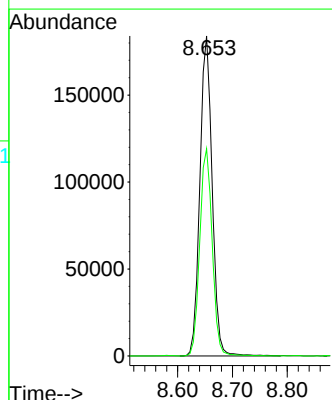
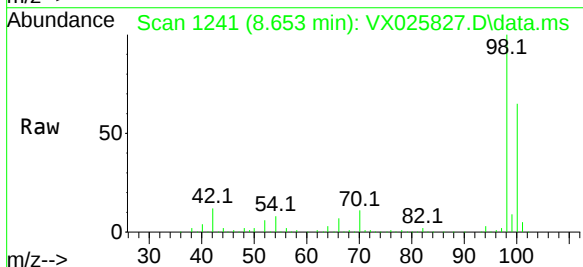
Acq: 15 Dec 2021 20:10

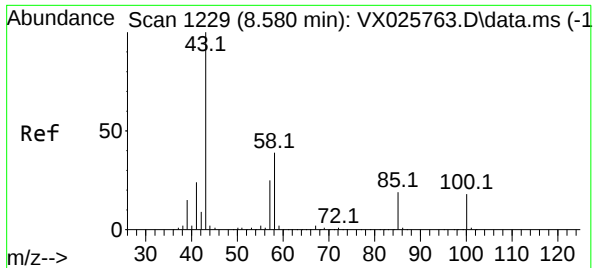
Tgt Ion: 98 Resp: 287204

Ion Ratio Lower Upper

98 100

100 65.7 52.6 78.8

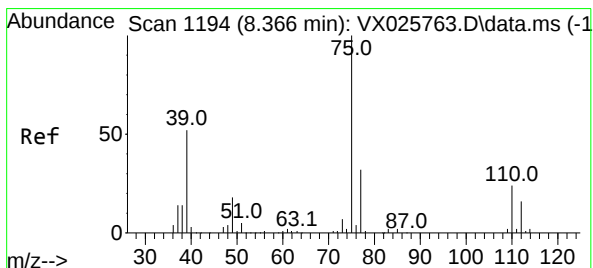
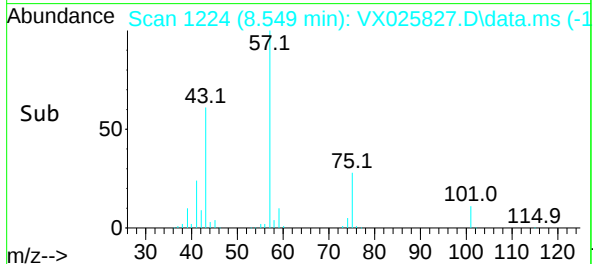
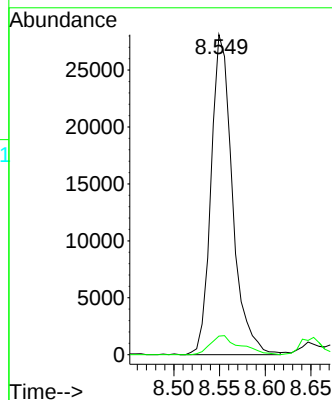
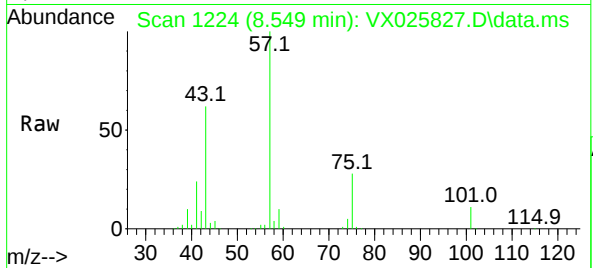




#51
4-Methyl-2-Pentanone
Concen: 17.555 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

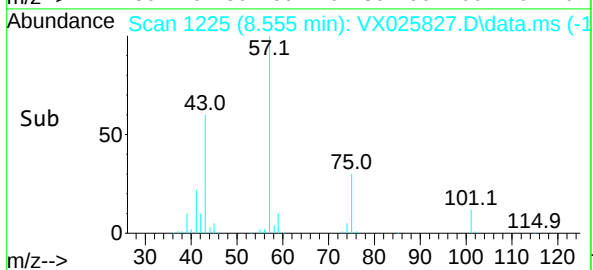
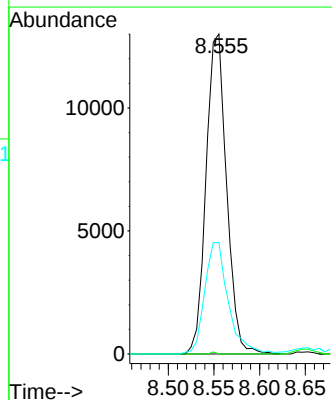
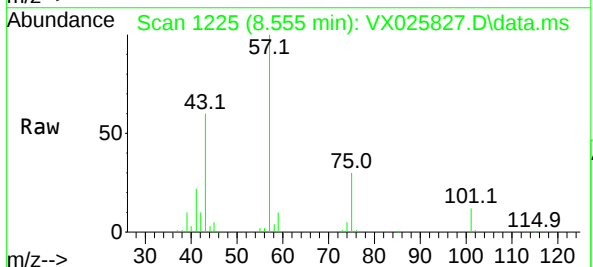
Instrument :
MSVOA_X
ClientSampleId :
CS-4

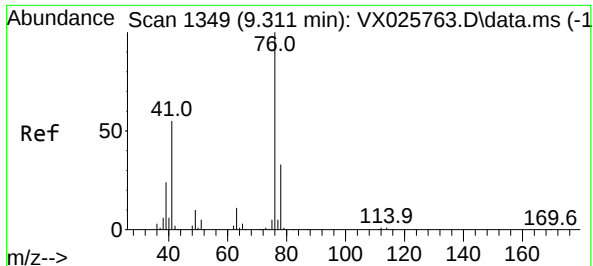
Tgt Ion: 43 Resp: 45698
Ion Ratio Lower Upper
43 100
58 8.2 30.8 46.2#



#54
cis-1,3-Dichloropropene
Concen: 7.573 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.189 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

Tgt Ion: 75 Resp: 20243
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 34.8 41.4 62.0#





#57

1,3-Dichloropropane

Concen: 3.880 ug/l

RT: 9.482 min Scan# 1175

Delta R.T. 0.171 min

Lab File: VX025827.D

Acq: 15 Dec 2021 20:10

Instrument :

MSVOA_X

ClientSampleId :

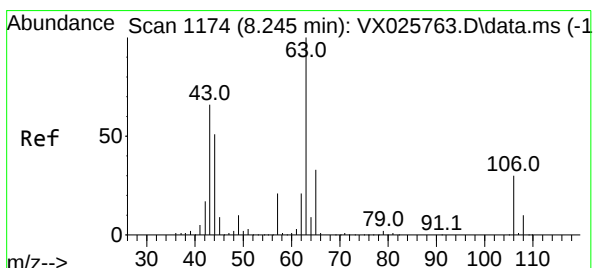
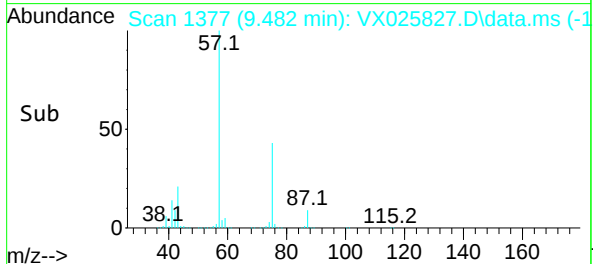
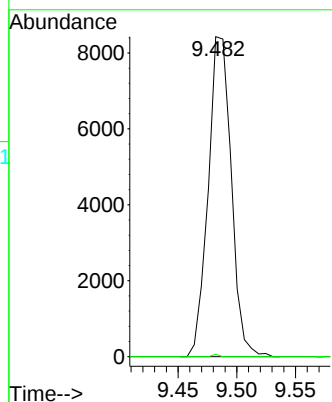
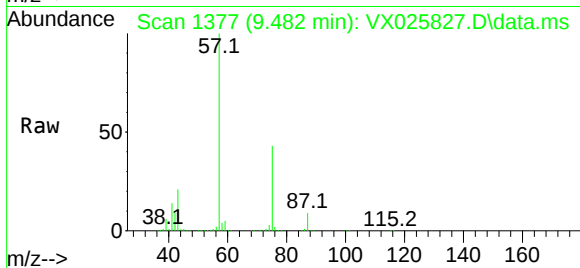
CS-4

Tgt Ion: 76 Resp: 11525

Ion Ratio Lower Upper

76 100

78 0.2 26.0 39.0#



#58

2-Chloroethyl Vinyl ether

Concen: 16.444 ug/l

RT: 8.251 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VX025827.D

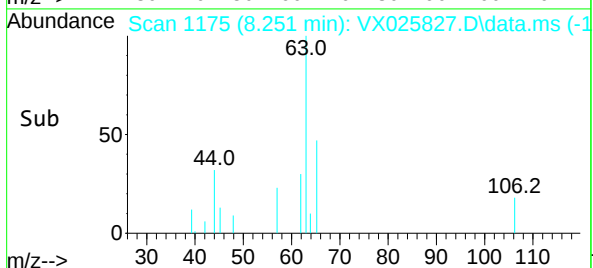
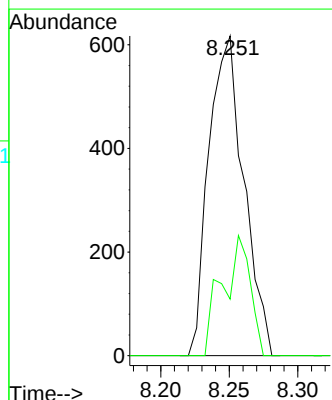
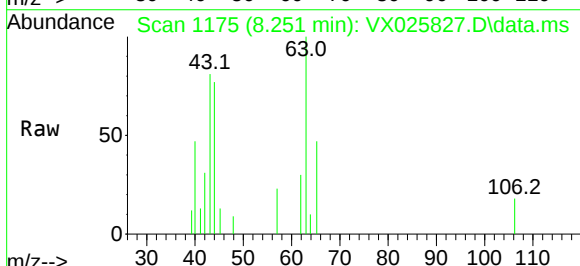
Acq: 15 Dec 2021 20:10

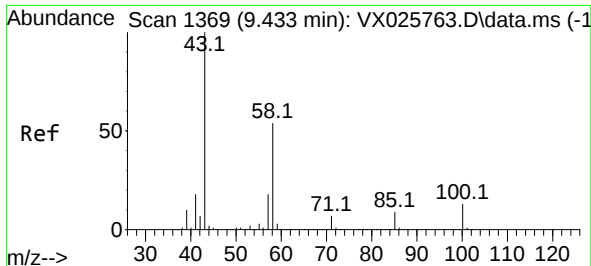
Tgt Ion: 63 Resp: 1095

Ion Ratio Lower Upper

63 100

106 30.0 24.4 36.6

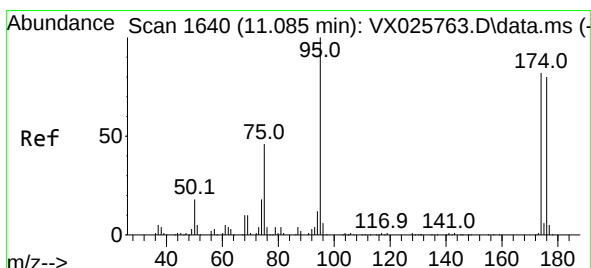
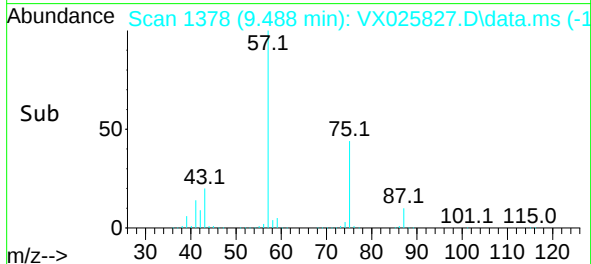
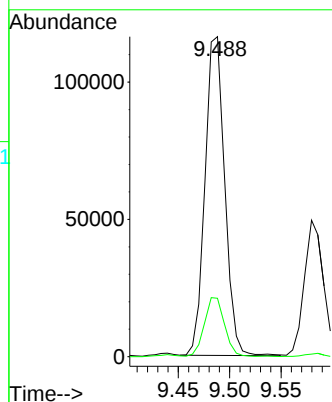
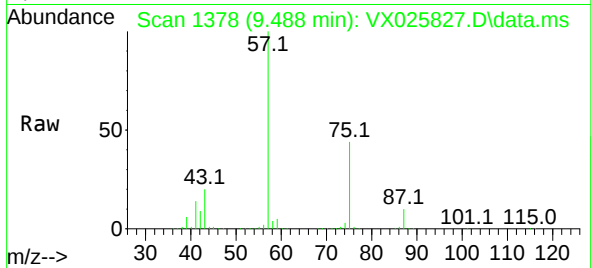




#59
2-Hexanone
Concen: 78.887 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

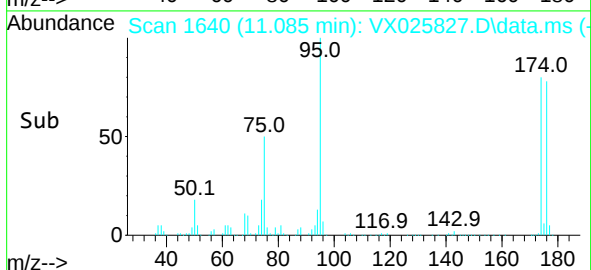
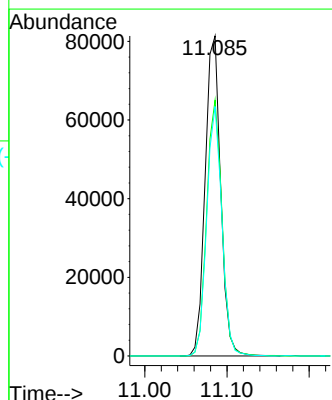
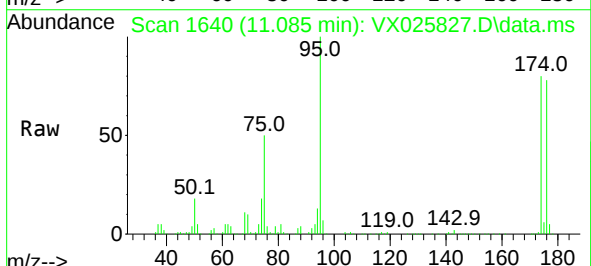
Instrument :
MSVOA_X
ClientSampleId :
CS-4

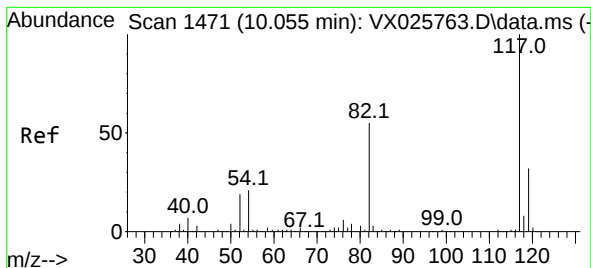
Tgt Ion: 43 Resp: 155590
Ion Ratio Lower Upper
43 100
58 19.0 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 47.013 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

Tgt Ion: 95 Resp: 106592
Ion Ratio Lower Upper
95 100
174 79.0 0.0 157.4
176 76.2 0.0 154.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX025827.D

Acq: 15 Dec 2021 20:10

Instrument :

MSVOA_X

ClientSampleId :

CS-4

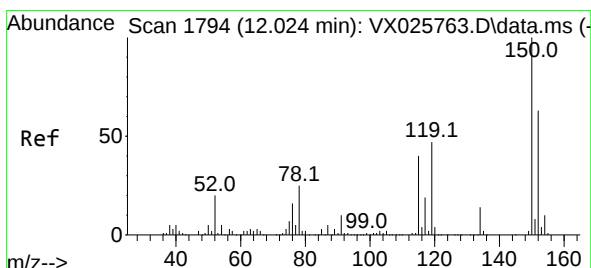
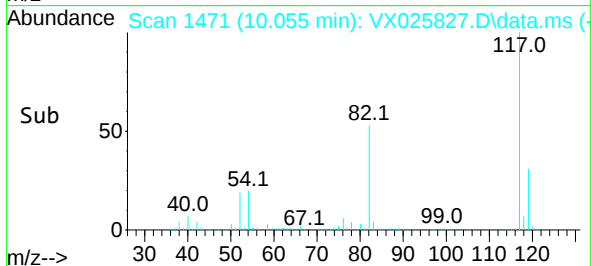
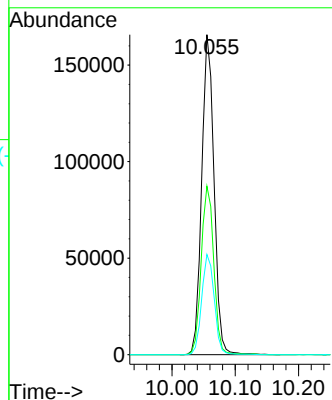
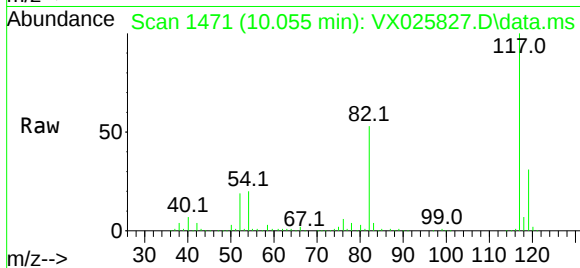
Tgt Ion:117 Resp: 225283

Ion Ratio Lower Upper

117 100

82 52.6 43.8 65.6

119 31.3 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX025827.D

Acq: 15 Dec 2021 20:10

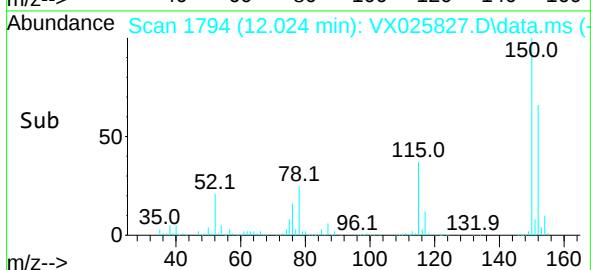
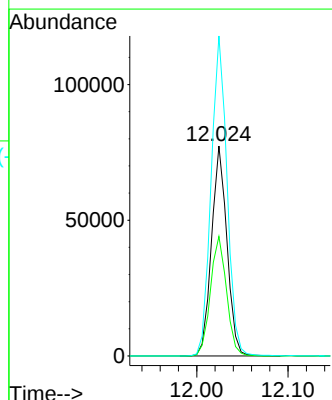
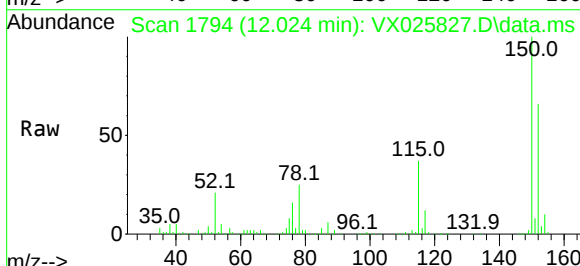
Tgt Ion:152 Resp: 90568

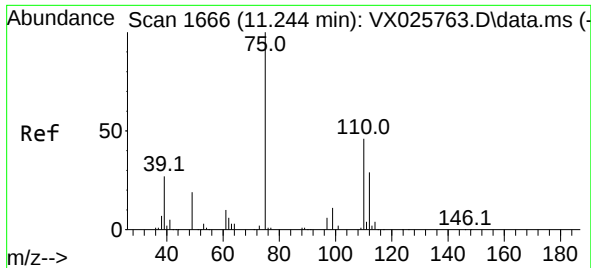
Ion Ratio Lower Upper

152 100

115 59.1 41.3 123.9

150 156.9 0.0 351.8

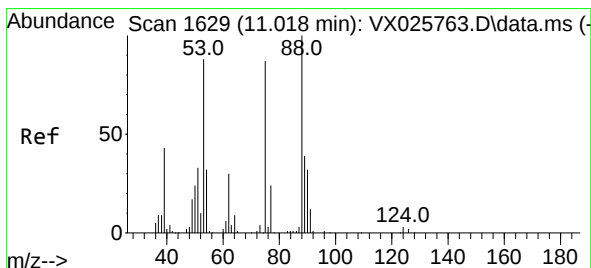
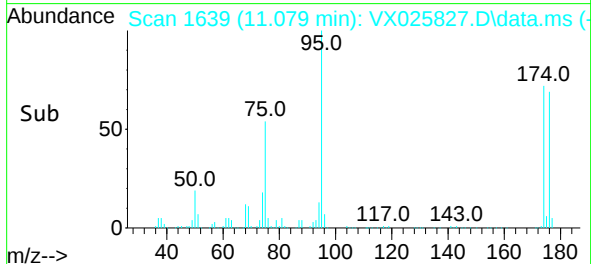
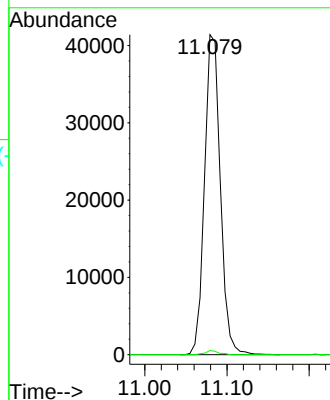
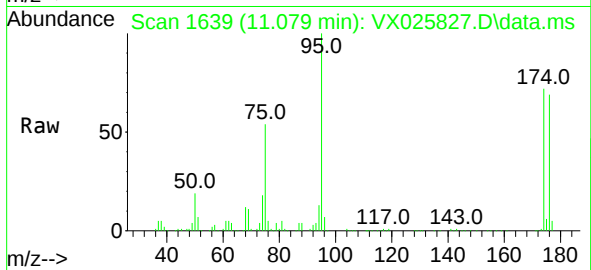




#76
1,2,3-Trichloropropane
Concen: 26.652 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

Instrument :
MSVOA_X
ClientSampleId :
CS-4

Tgt Ion: 75 Resp: 55305
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.629 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025827.D
Acq: 15 Dec 2021 20:10

Tgt Ion: 75 Resp: 55305
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

