

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025828.D
 Acq On : 15 Dec 2021 20:34
 Operator : JC/MD
 Sample : M5074-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CS-3

Quant Time: Dec 16 07:31:53 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)

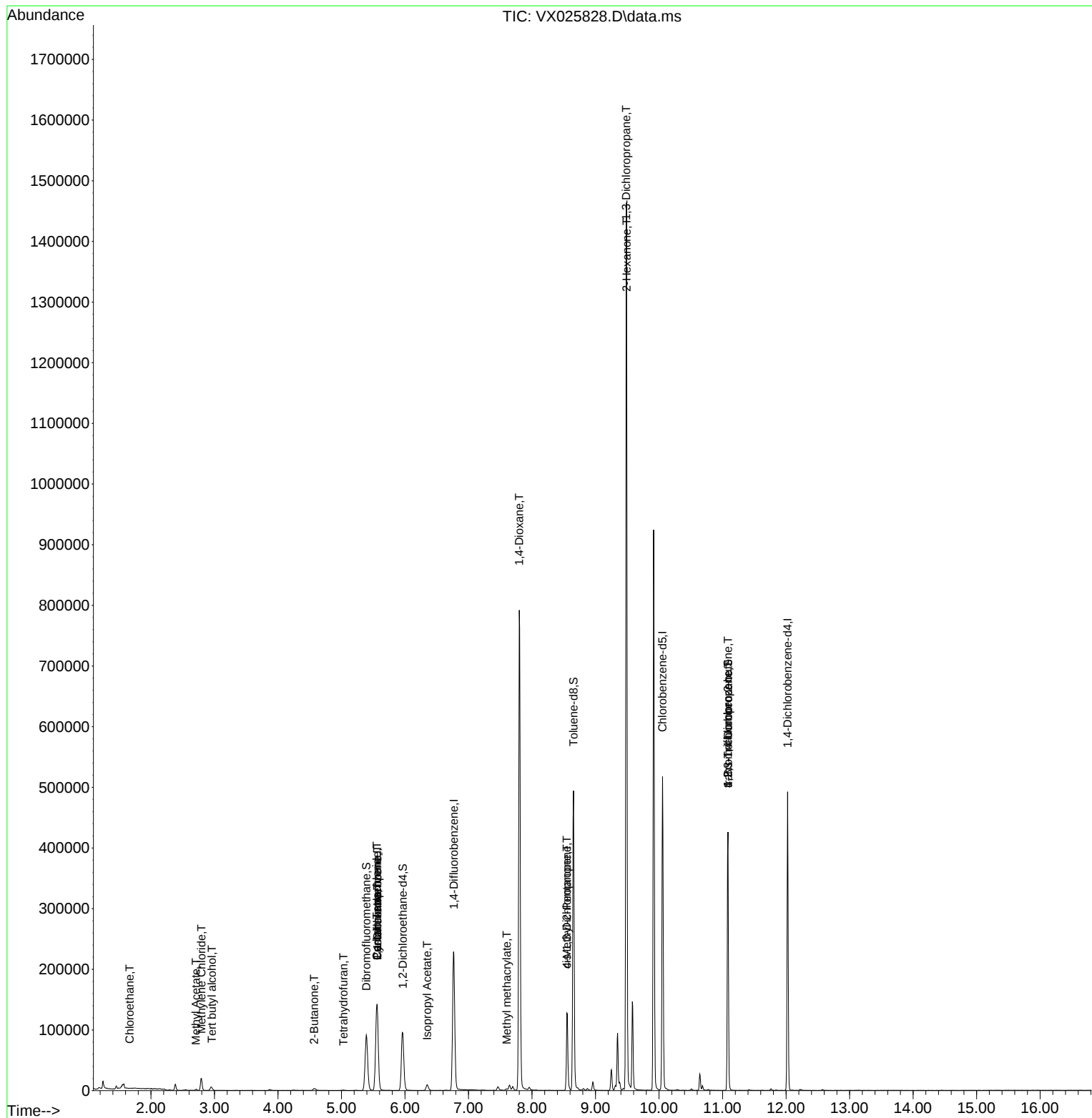
Internal Standards						
1) Pentafluorobenzene	5.562	168	136218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	235676	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	92751	47.324	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.640%
35) Dibromofluoromethane	5.391	113	77004	46.850	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.700%
50) Toluene-d8	8.653	98	287827	48.062	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.120%
62) 4-Bromofluorobenzene	11.085	95	111839	49.163	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.320%
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	397	0.325	ug/l #	42
11) Tert butyl alcohol	2.959	59	3626	9.223	ug/l #	73
16) Acetone	2.386	43	10603	Below Cal		93
18) Methyl Acetate	2.709	43	2344	0.785	ug/l	95
20) Methylene Chloride	2.794	84	9197	3.223	ug/l	90
25) 2-Butanone	4.568	43	4772	3.620	ug/l #	86
29) Tetrahydrofuran	5.032	42	417	0.498	ug/l #	67
31) Cyclohexane	5.562	56	3024	1.269	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10960	4.917	ug/l #	51
38) Carbon Tetrachloride	5.556	117	14010	5.402	ug/l #	15
43) Isopropyl Acetate	6.348	43	12156	3.047	ug/l	99
48) Methyl methacrylate	7.604	41	4176	2.223	ug/l #	12
49) 1,4-Dioxane	7.799	88	103	2.511	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	45006	17.232	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	20389	7.603	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	12902	4.329	ug/l #	43
59) 2-Hexanone	9.488	43	172035	86.935	ug/l #	52
76) 1,2,3-Trichloropropane	11.085	75	56844	26.291	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56844	81.508	ug/l #	10

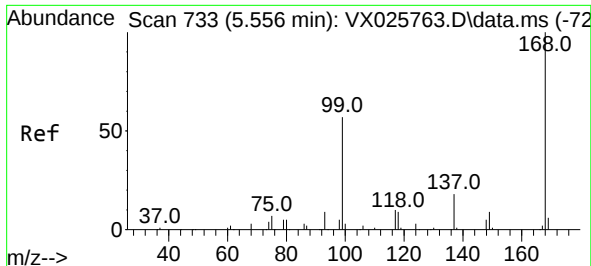
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
Data File : VX025828.D
Acq On : 15 Dec 2021 20:34
Operator : JC/MD
Sample : M5074-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CS-3

Quant Time: Dec 16 07:31:53 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

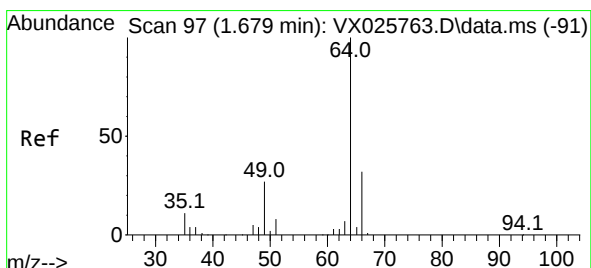
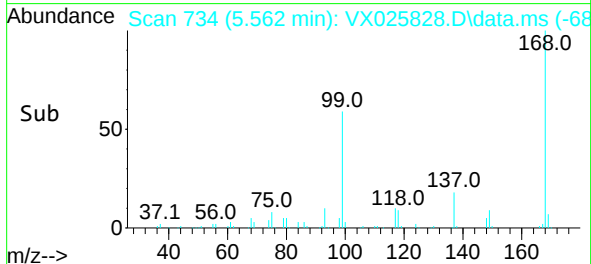
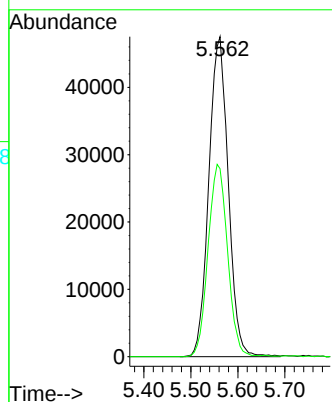
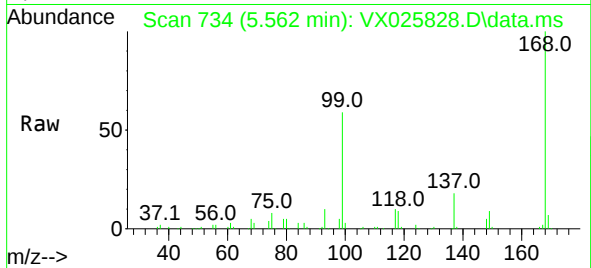




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

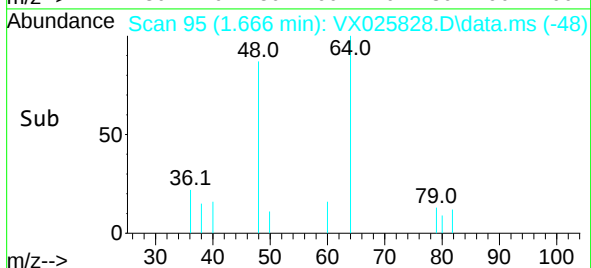
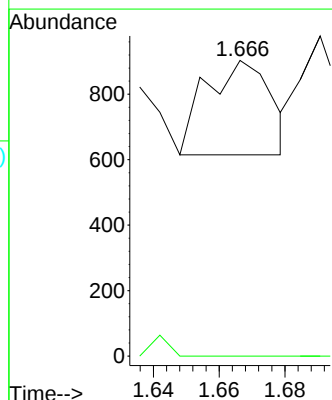
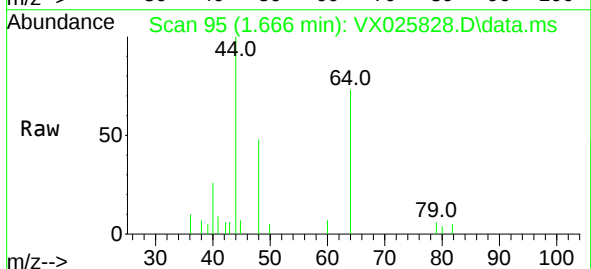
Instrument :
MSVOA_X
ClientSampleId :
CS-3

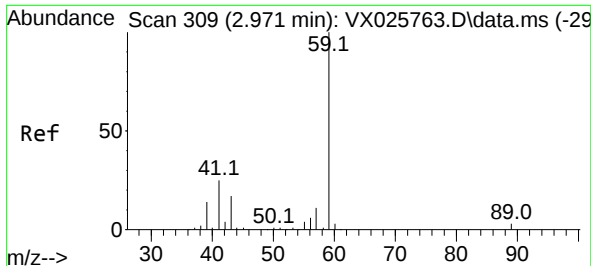
Tgt Ion:168 Resp: 136218
Ion Ratio Lower Upper
168 100
99 58.8 45.8 68.8



#6
Chloroethane
Concen: 0.325 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

Tgt Ion: 64 Resp: 397
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 9.223 ug/l

RT: 2.959 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX025828.D

Acq: 15 Dec 2021 20:34

Instrument :

MSVOA_X

ClientSampleId :

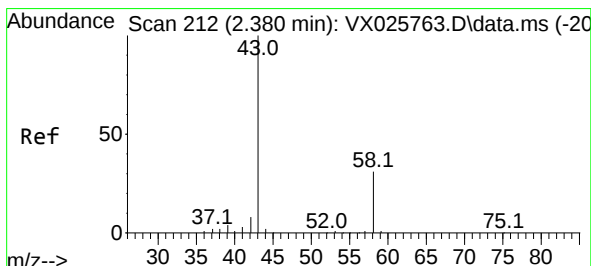
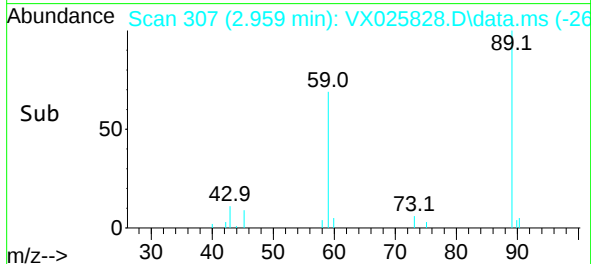
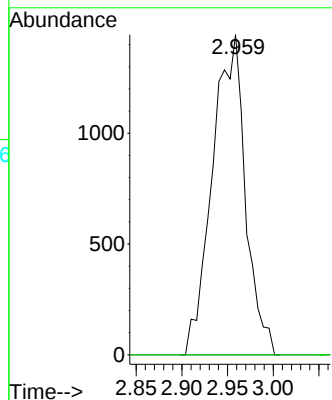
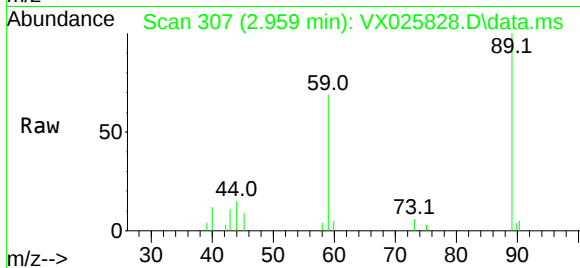
CS-3

Tgt Ion: 59 Resp: 3626

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: VX025828.D

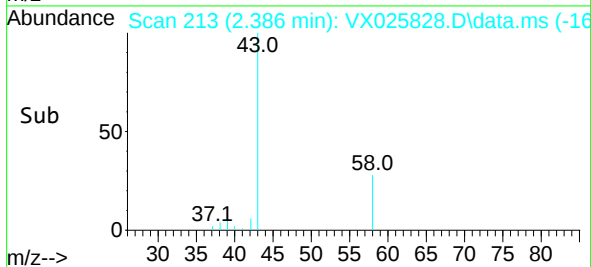
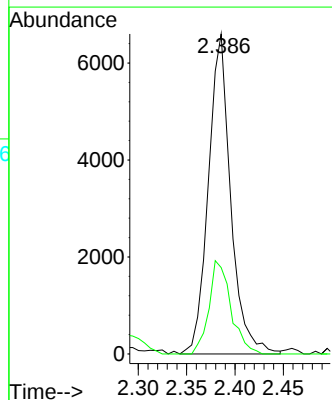
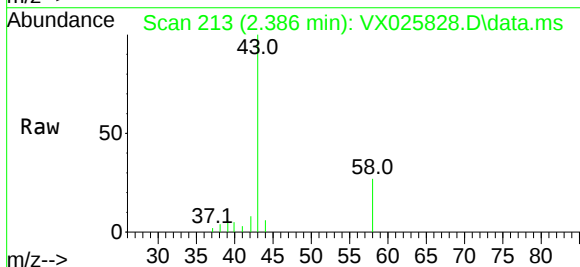
Acq: 15 Dec 2021 20:34

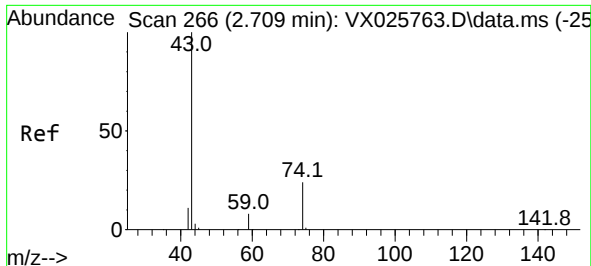
Tgt Ion: 43 Resp: 10603

Ion Ratio Lower Upper

43 100

58 27.0 24.8 37.2

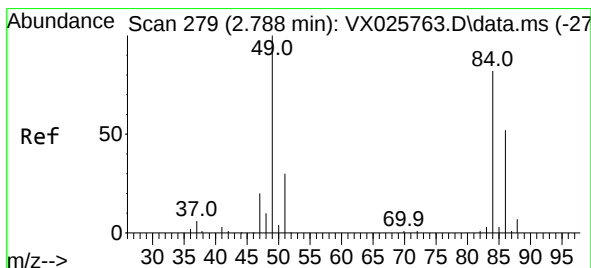
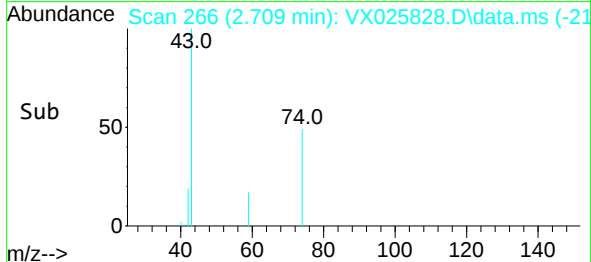
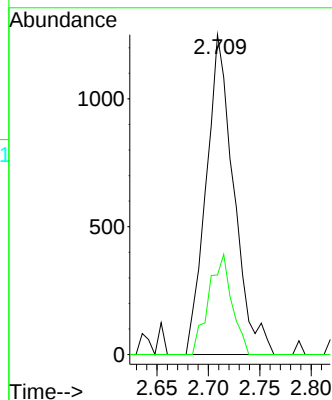
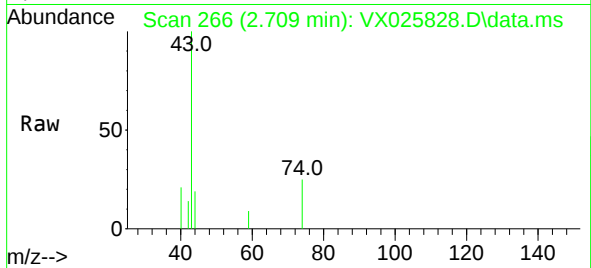




#18
Methyl Acetate
Concen: 0.785 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

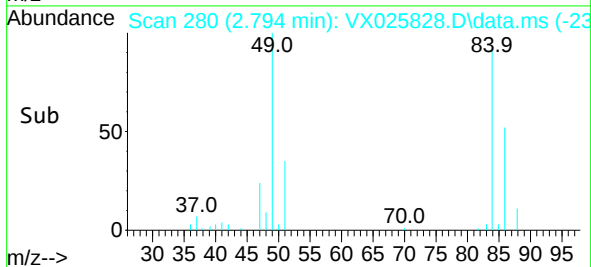
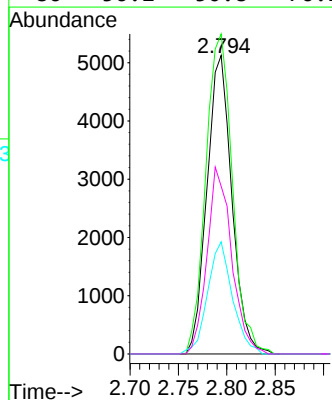
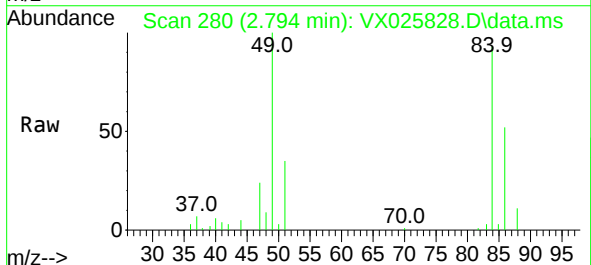
Instrument :
MSVOA_X
ClientSampleId :
CS-3

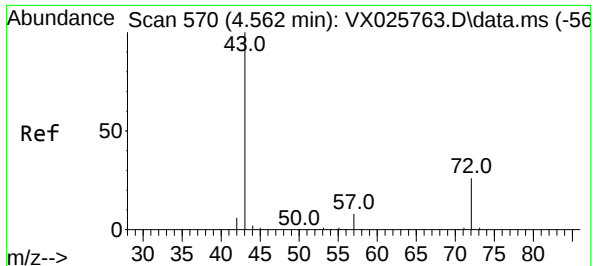
Tgt Ion: 43 Resp: 2344
Ion Ratio Lower Upper
43 100
74 26.3 19.1 28.7



#20
Methylene Chloride
Concen: 3.223 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

Tgt Ion: 84 Resp: 9197
Ion Ratio Lower Upper
84 100
49 107.2 97.1 145.7
51 37.6 29.3 43.9
86 56.2 50.8 76.2





#25

2-Butanone

Concen: 3.620 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX025828.D

Acq: 15 Dec 2021 20:34

Instrument :

MSVOA_X

ClientSampleId :

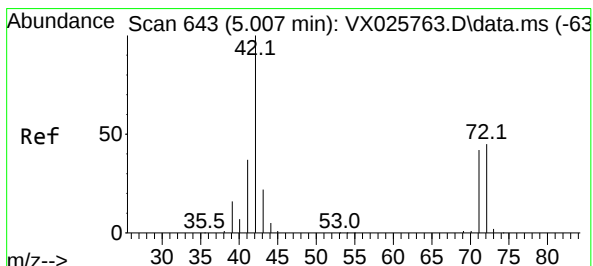
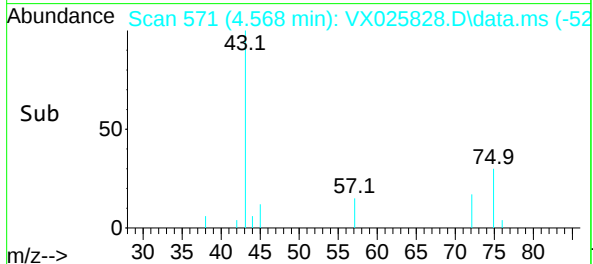
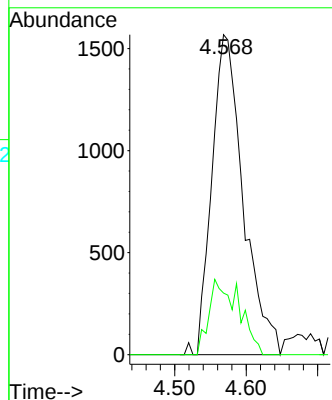
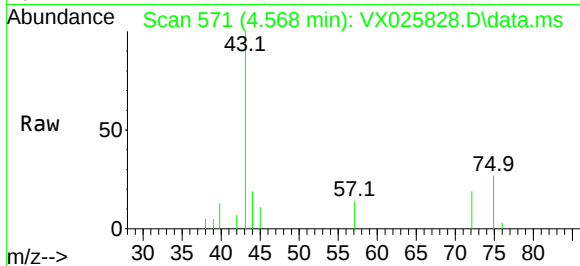
CS-3

Tgt Ion: 43 Resp: 4772

Ion Ratio Lower Upper

43 100

72 19.3 21.0 31.4#



#29

Tetrahydrofuran

Concen: 0.498 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX025828.D

Acq: 15 Dec 2021 20:34

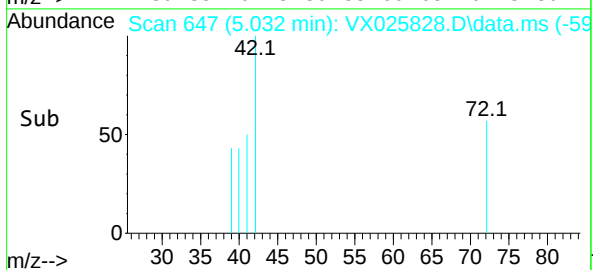
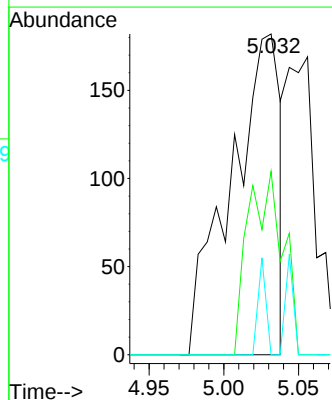
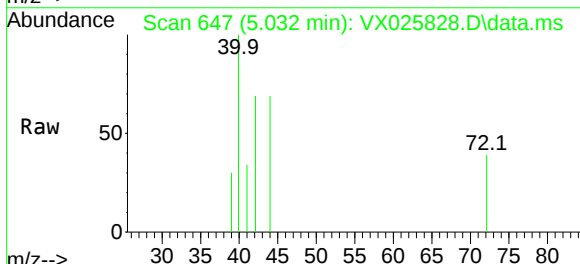
Tgt Ion: 42 Resp: 417

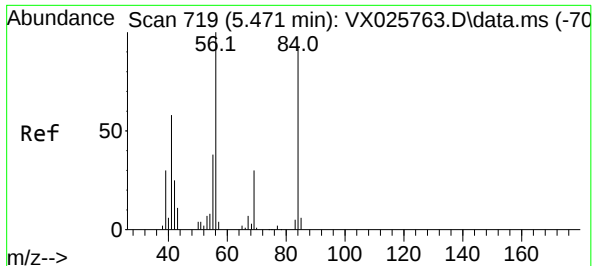
Ion Ratio Lower Upper

42 100

72 40.3 37.0 55.6

71 4.8 34.1 51.1#

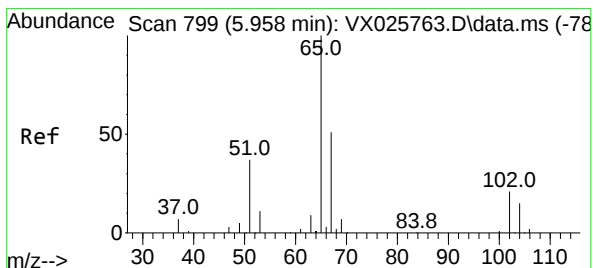
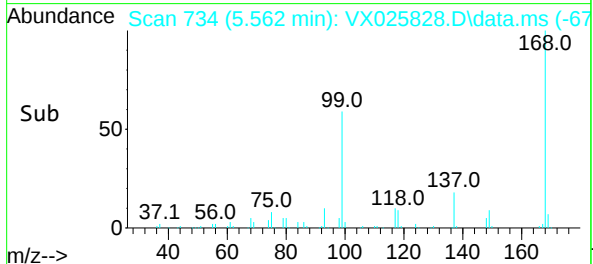
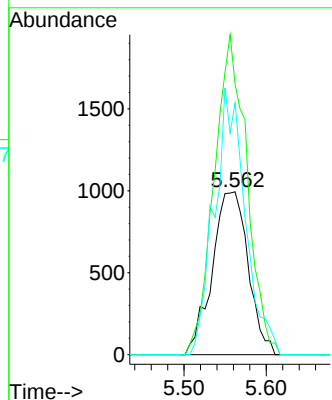
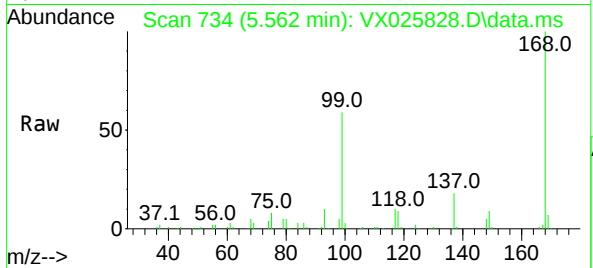




#31
Cyclohexane
Concen: 1.269 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

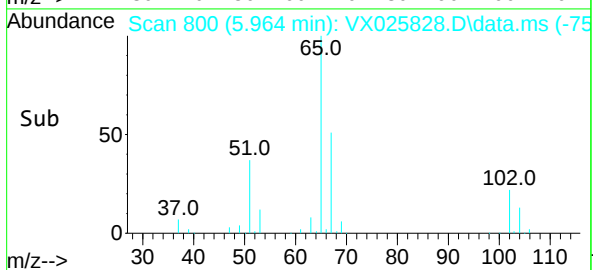
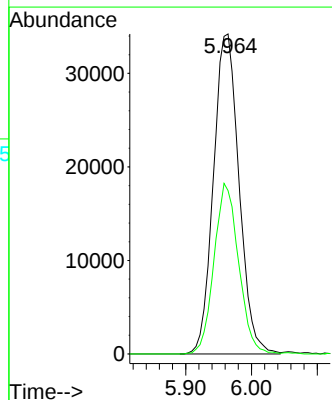
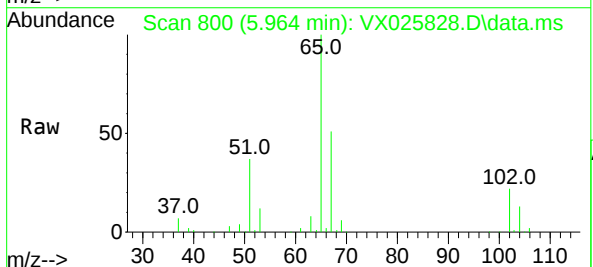
Instrument :
MSVOA_X
ClientSampleId :
CS-3

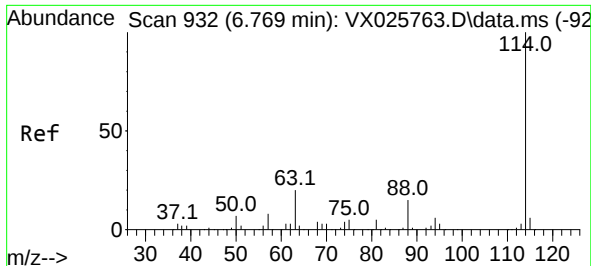
Tgt Ion: 56 Resp: 3024
Ion Ratio Lower Upper
56 100
69 166.0 23.9 35.9#
84 154.6 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 47.324 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

Tgt Ion: 65 Resp: 92751
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.4

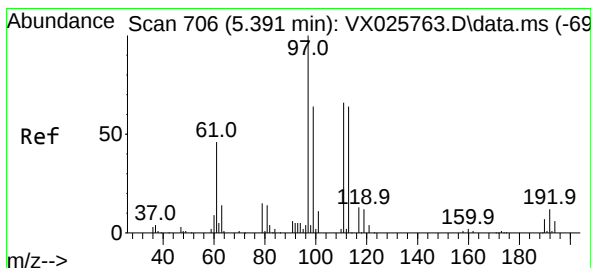
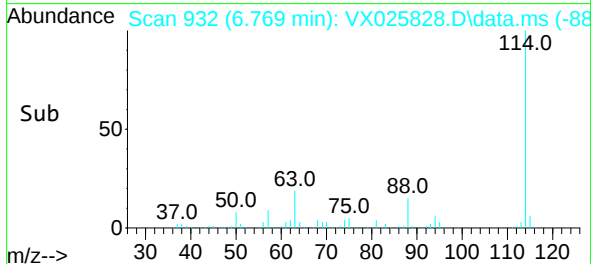
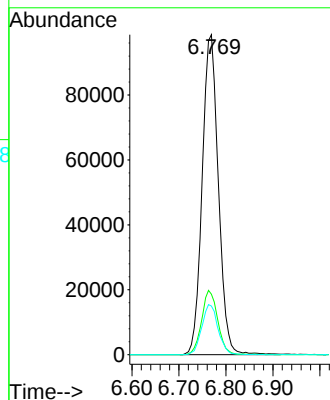
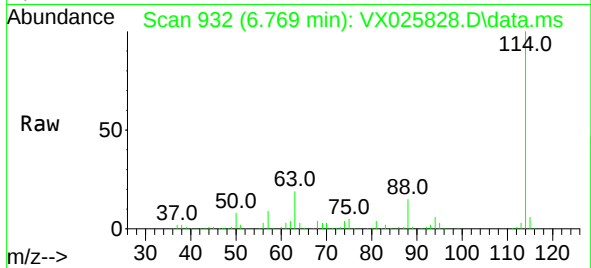




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

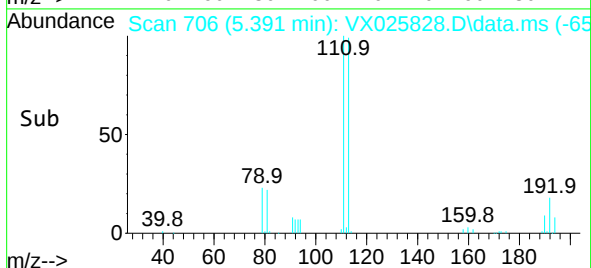
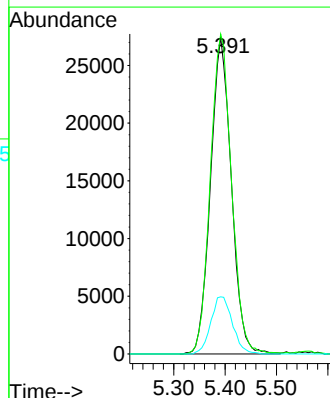
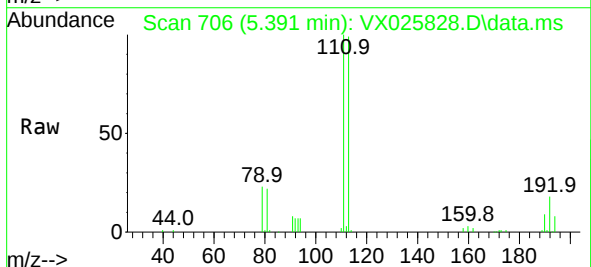
Instrument :
MSVOA_X
ClientSampleId :
CS-3

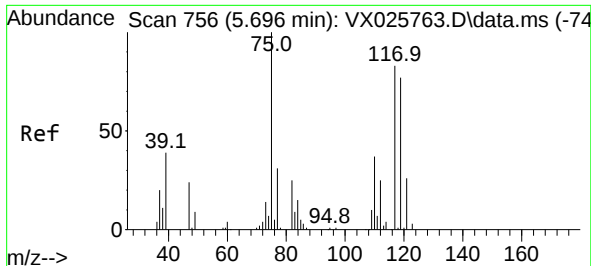
Tgt Ion:114 Resp: 235676
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.0
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.850 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

Tgt Ion:113 Resp: 77004
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.8
192 18.7 15.0 22.4

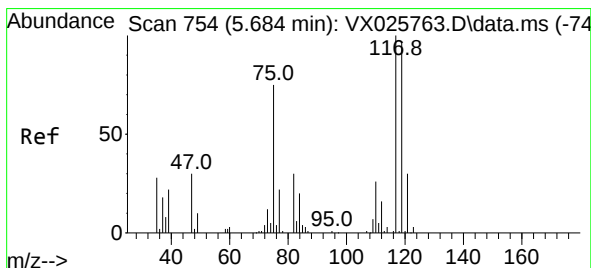
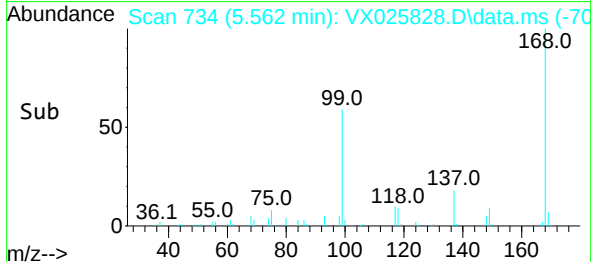
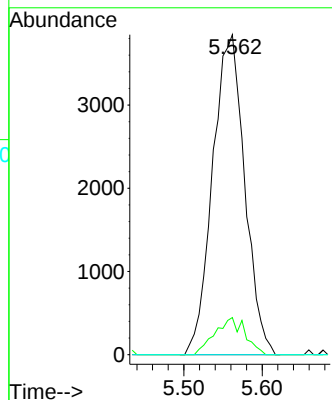
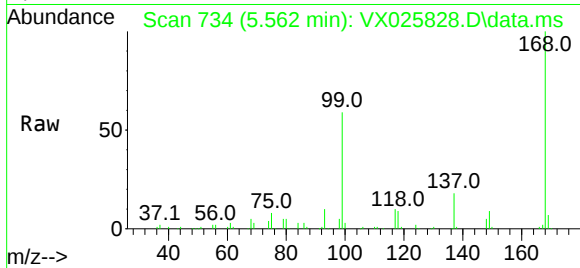




#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

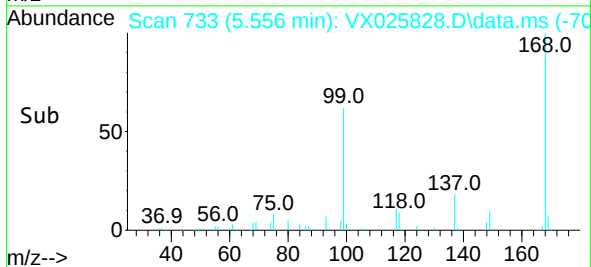
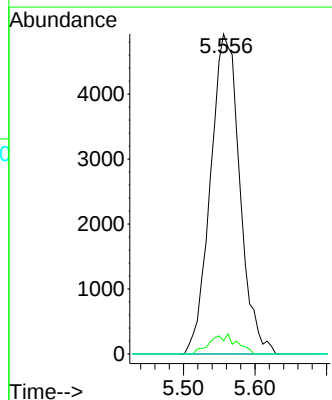
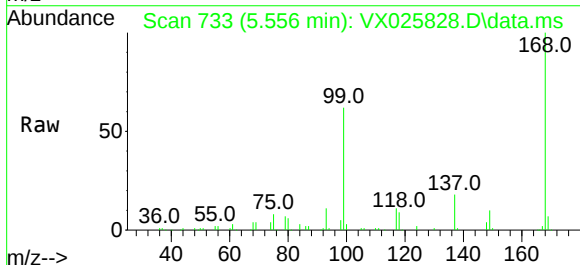
Instrument :
MSVOA_X
ClientSampleId :
CS-3

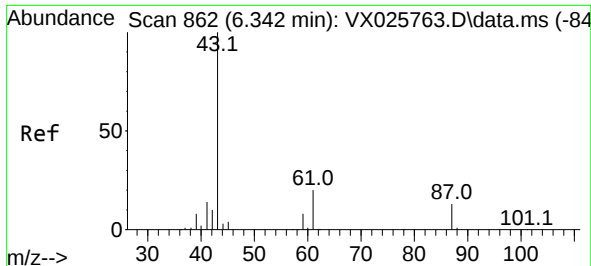
Tgt Ion: 75 Resp: 10960
Ion Ratio Lower Upper
75 100
110 10.9 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.402 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

Tgt Ion: 117 Resp: 14010
Ion Ratio Lower Upper
117 100
119 4.1 77.2 115.8#
121 0.0 23.8 35.8#

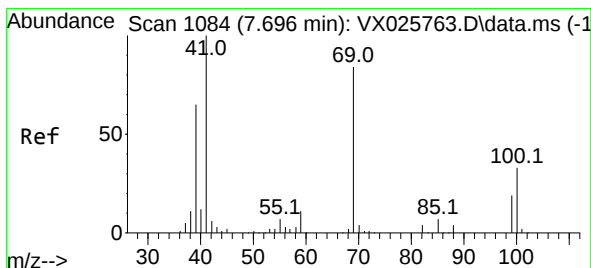
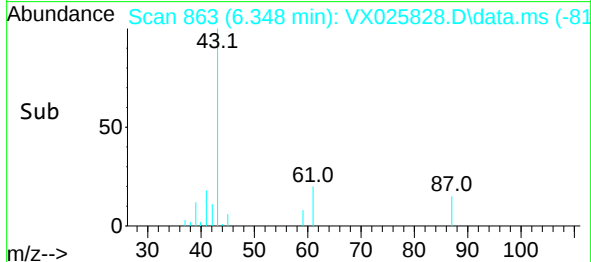
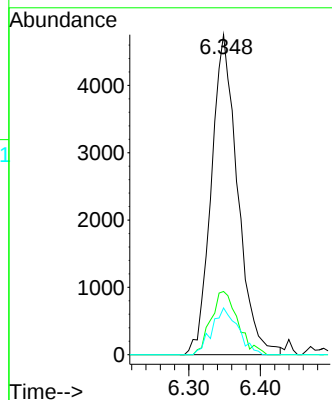
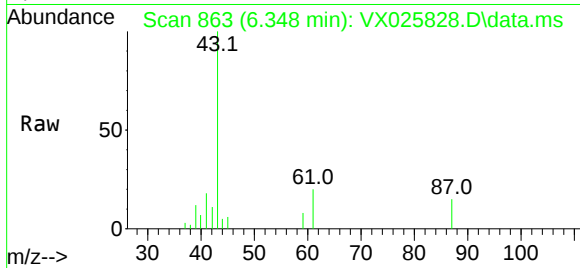




#43
Isopropyl Acetate
Concen: 3.047 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

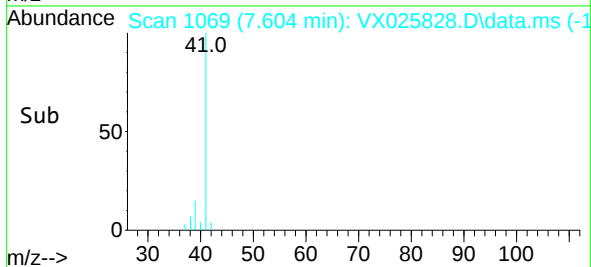
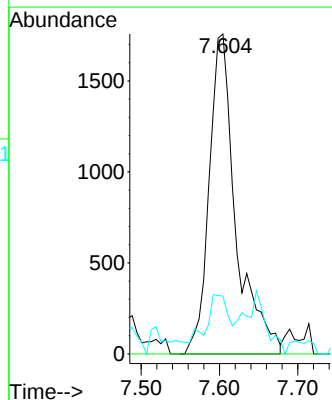
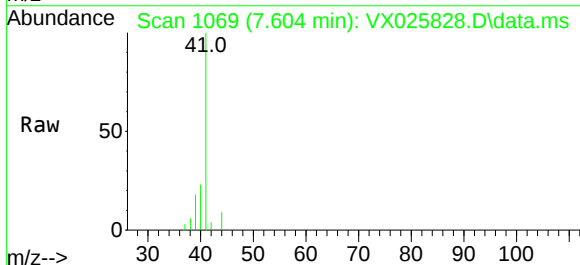
Instrument :
MSVOA_X
ClientSampleId :
CS-3

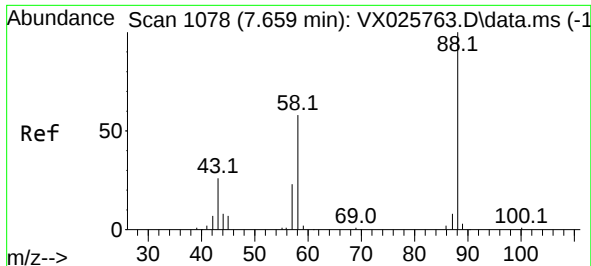
Tgt Ion: 43 Resp: 12156
Ion Ratio Lower Upper
43 100
61 20.2 15.7 23.5
87 14.5 11.2 16.8



#48
Methyl methacrylate
Concen: 2.223 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

Tgt Ion: 41 Resp: 4176
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: 2.511 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX025828.D

Acq: 15 Dec 2021 20:34

Instrument :

MSVOA_X

ClientSampleId :

CS-3

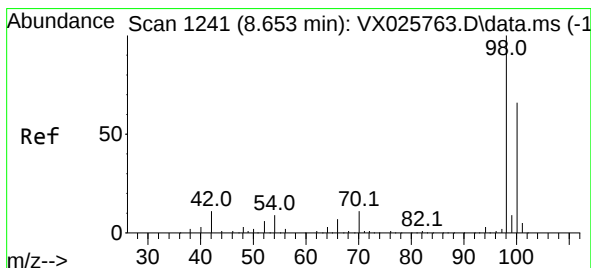
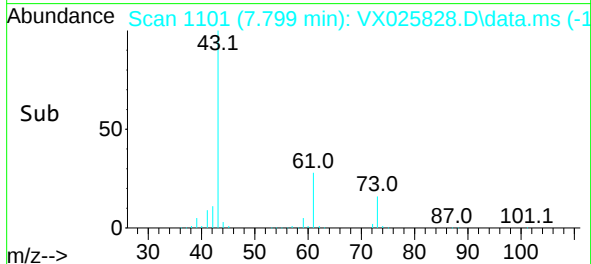
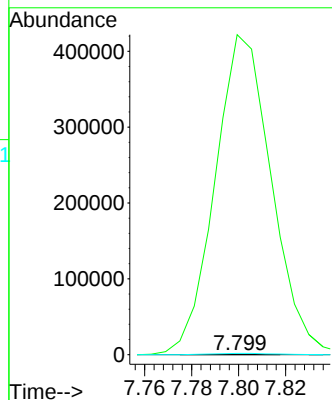
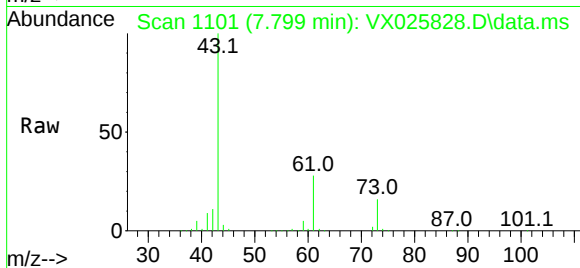
Tgt Ion: 88 Resp: 103

Ion Ratio Lower Upper

88 100

43 694900.0 25.3 37.9#

58 3190.3 51.8 77.6#



#50

Toluene-d8

Concen: 48.062 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025828.D

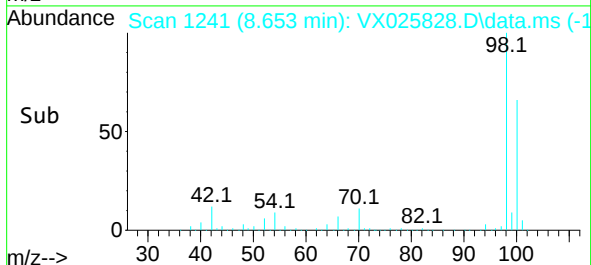
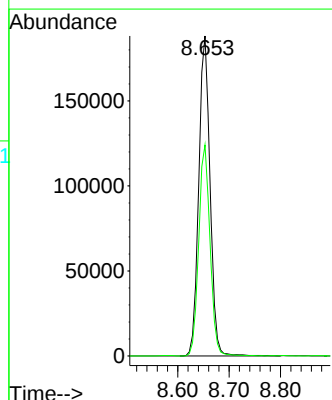
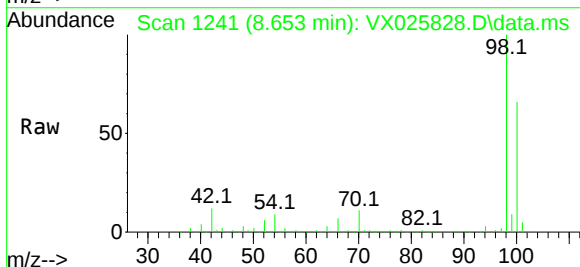
Acq: 15 Dec 2021 20:34

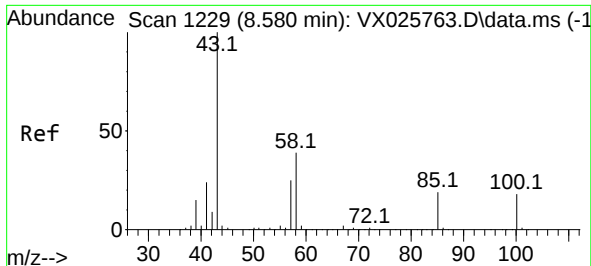
Tgt Ion: 98 Resp: 287827

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 17.232 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX025828.D

Acq: 15 Dec 2021 20:34

Instrument :

MSVOA_X

ClientSampleId :

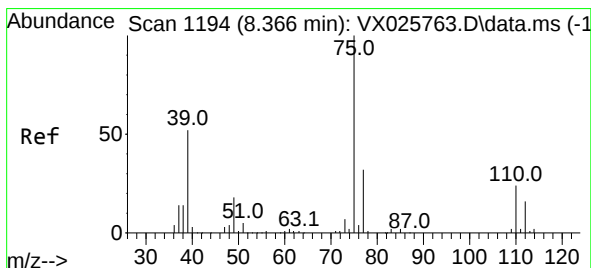
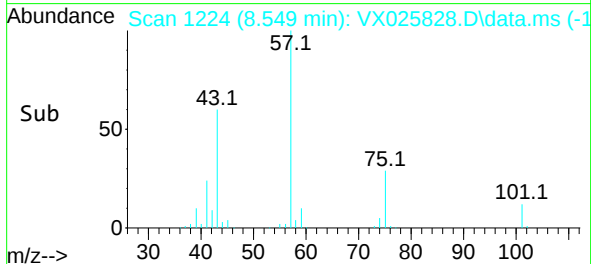
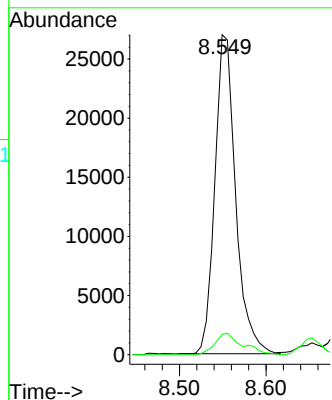
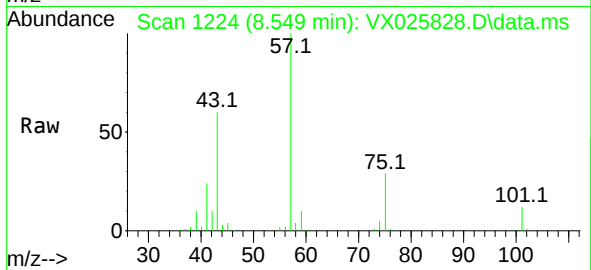
CS-3

Tgt Ion: 43 Resp: 45006

Ion Ratio Lower Upper

43 100

58 8.9 30.8 46.2#



#54

cis-1,3-Dichloropropene

Concen: 7.603 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX025828.D

Acq: 15 Dec 2021 20:34

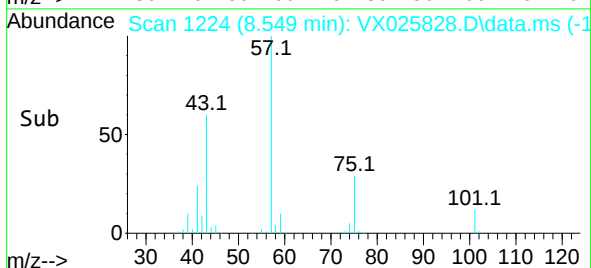
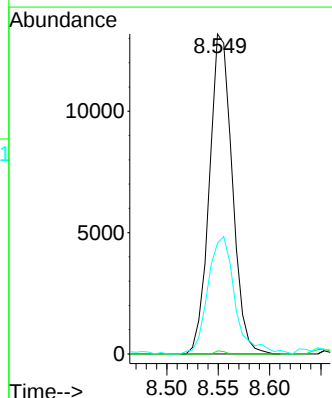
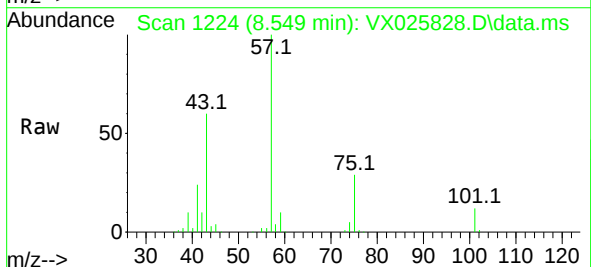
Tgt Ion: 75 Resp: 20389

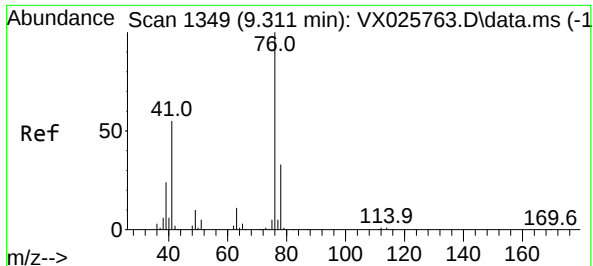
Ion Ratio Lower Upper

75 100

77 1.0 25.3 37.9#

39 34.6 41.4 62.0#





#57

1,3-Dichloropropane

Concen: 4.329 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX025828.D

Acq: 15 Dec 2021 20:34

Instrument :

MSVOA_X

ClientSampleId :

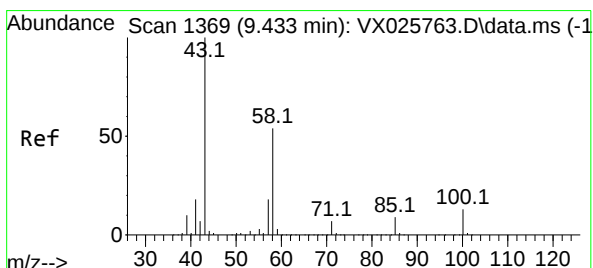
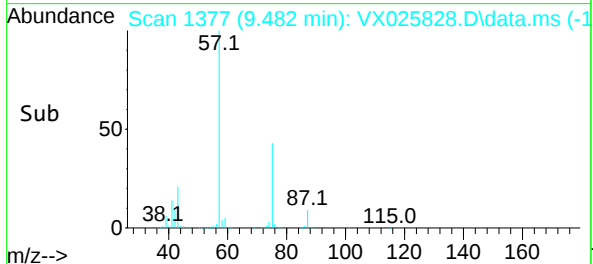
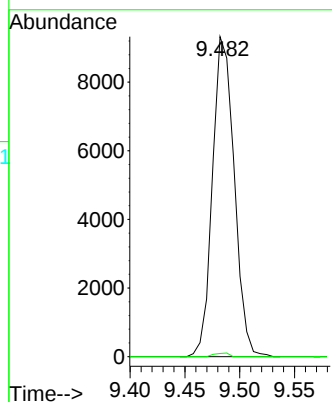
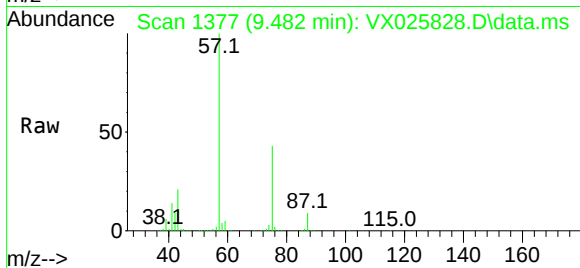
CS-3

Tgt Ion: 76 Resp: 12902

Ion Ratio Lower Upper

76 100

78 0.8 26.0 39.0#



#59

2-Hexanone

Concen: 86.935 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX025828.D

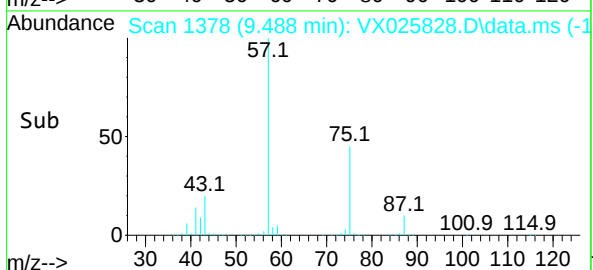
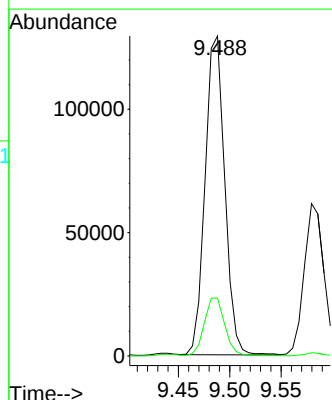
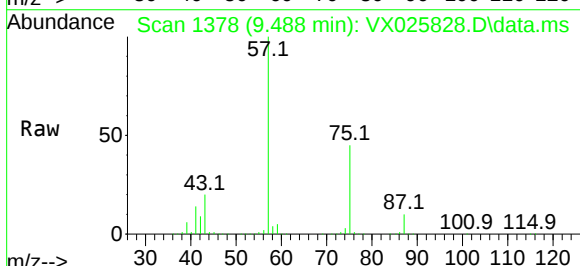
Acq: 15 Dec 2021 20:34

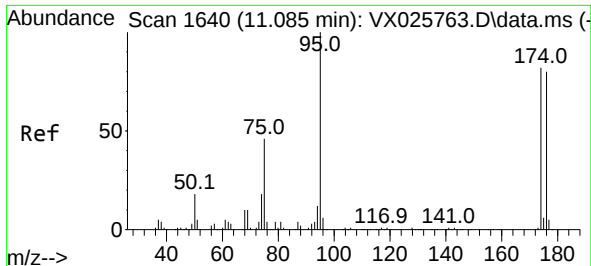
Tgt Ion: 43 Resp: 172035

Ion Ratio Lower Upper

43 100

58 19.1 26.9 80.6#

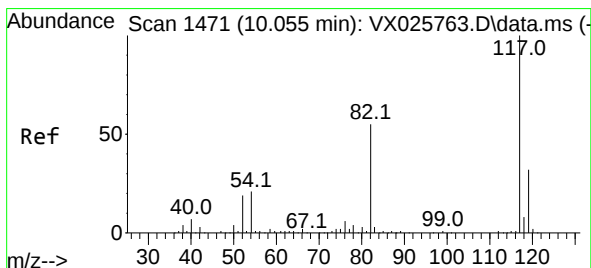
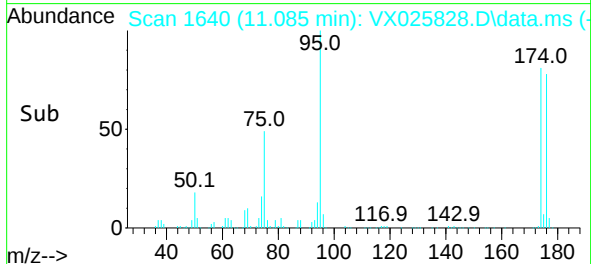
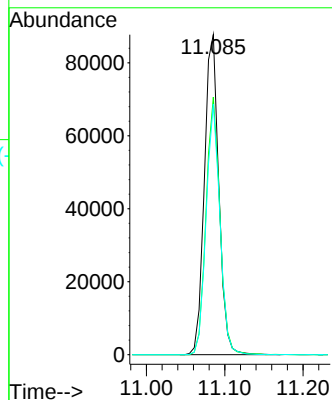
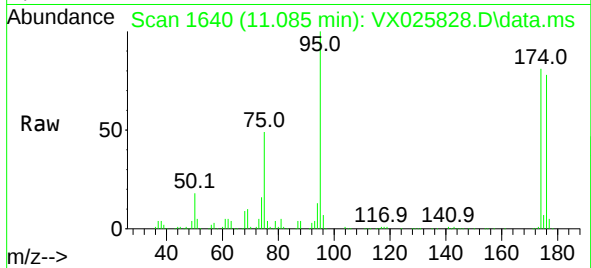




#62
4-Bromofluorobenzene
Concen: 49.163 ug/l
RT: 11.085 min Scan# 111839
Delta R.T. -0.000 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

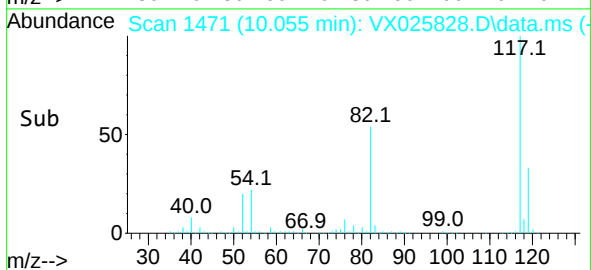
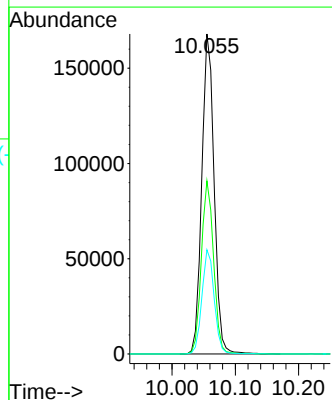
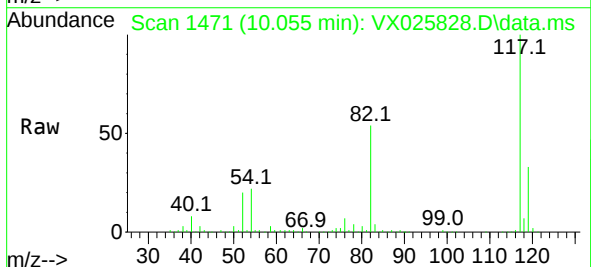
Instrument :
MSVOA_X
ClientSampleId :
CS-3

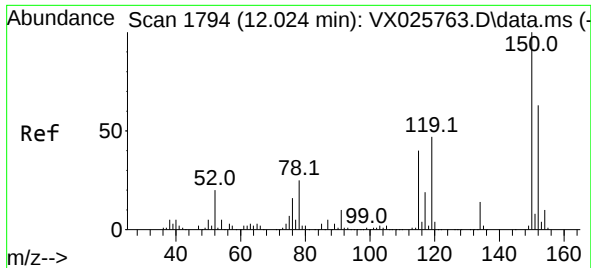
Tgt Ion: 95 Resp: 111839
Ion Ratio Lower Upper
95 100
174 77.5 0.0 157.4
176 75.0 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025828.D
Acq: 15 Dec 2021 20:34

Tgt Ion: 117 Resp: 228344
Ion Ratio Lower Upper
117 100
82 54.1 43.8 65.6
119 32.6 25.2 37.8

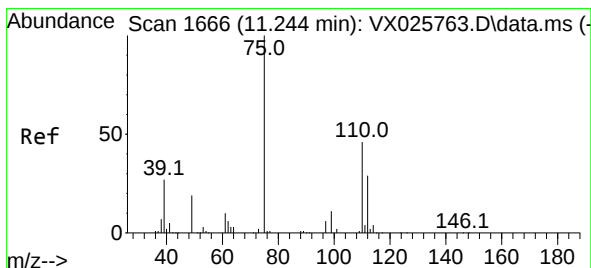
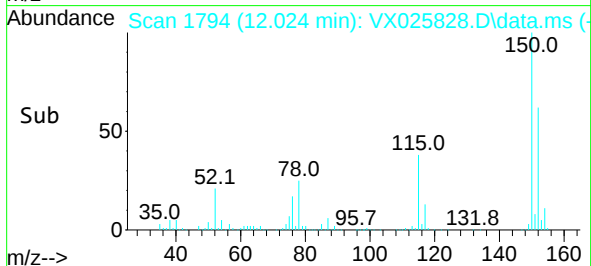
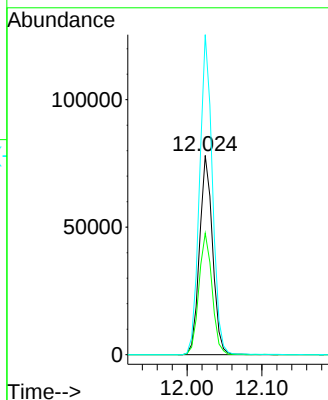
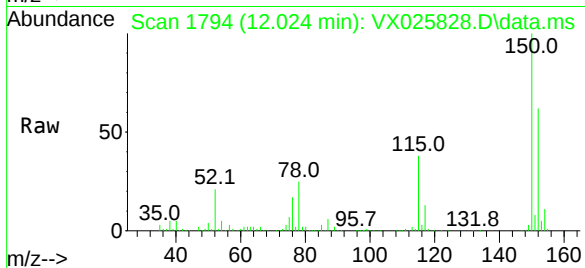




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX025828.D
 Acq: 15 Dec 2021 20:34

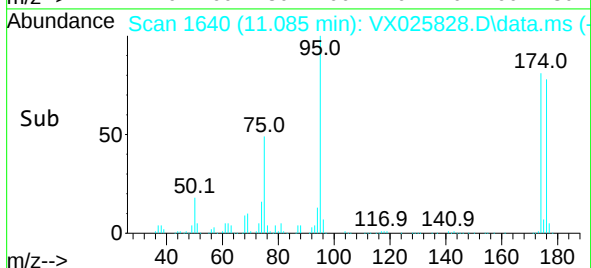
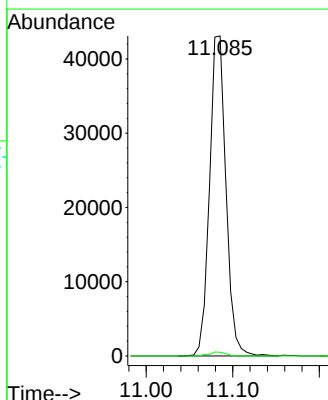
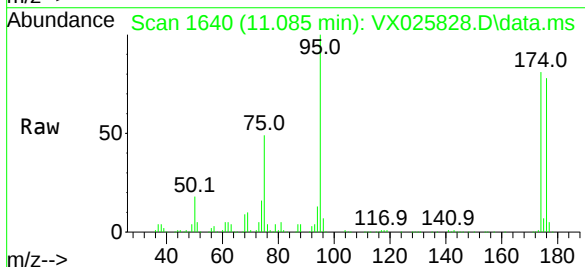
Instrument :
 MSVOA_X
 ClientSampleId :
 CS-3

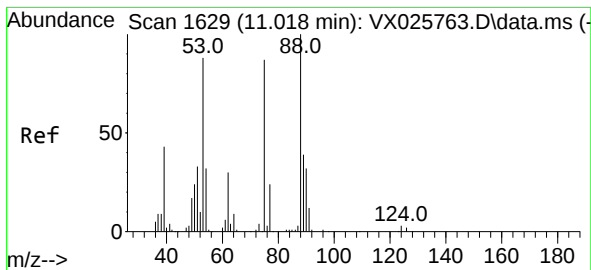
Tgt Ion:152 Resp: 94368
 Ion Ratio Lower Upper
 152 100
 115 61.6 41.3 123.9
 150 158.4 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 26.291 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX025828.D
 Acq: 15 Dec 2021 20:34

Tgt Ion: 75 Resp: 56844
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.508 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX025828.D
 Acq: 15 Dec 2021 20:34

Instrument :
 MSVOA_X
 ClientSampleId :
 CS-3

Tgt Ion: 75 Resp: 56844
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#

