

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025829.D
 Acq On : 15 Dec 2021 20:57
 Operator : JC/MD
 Sample : M5074-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CS-2

Quant Time: Dec 16 07:32:05 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)

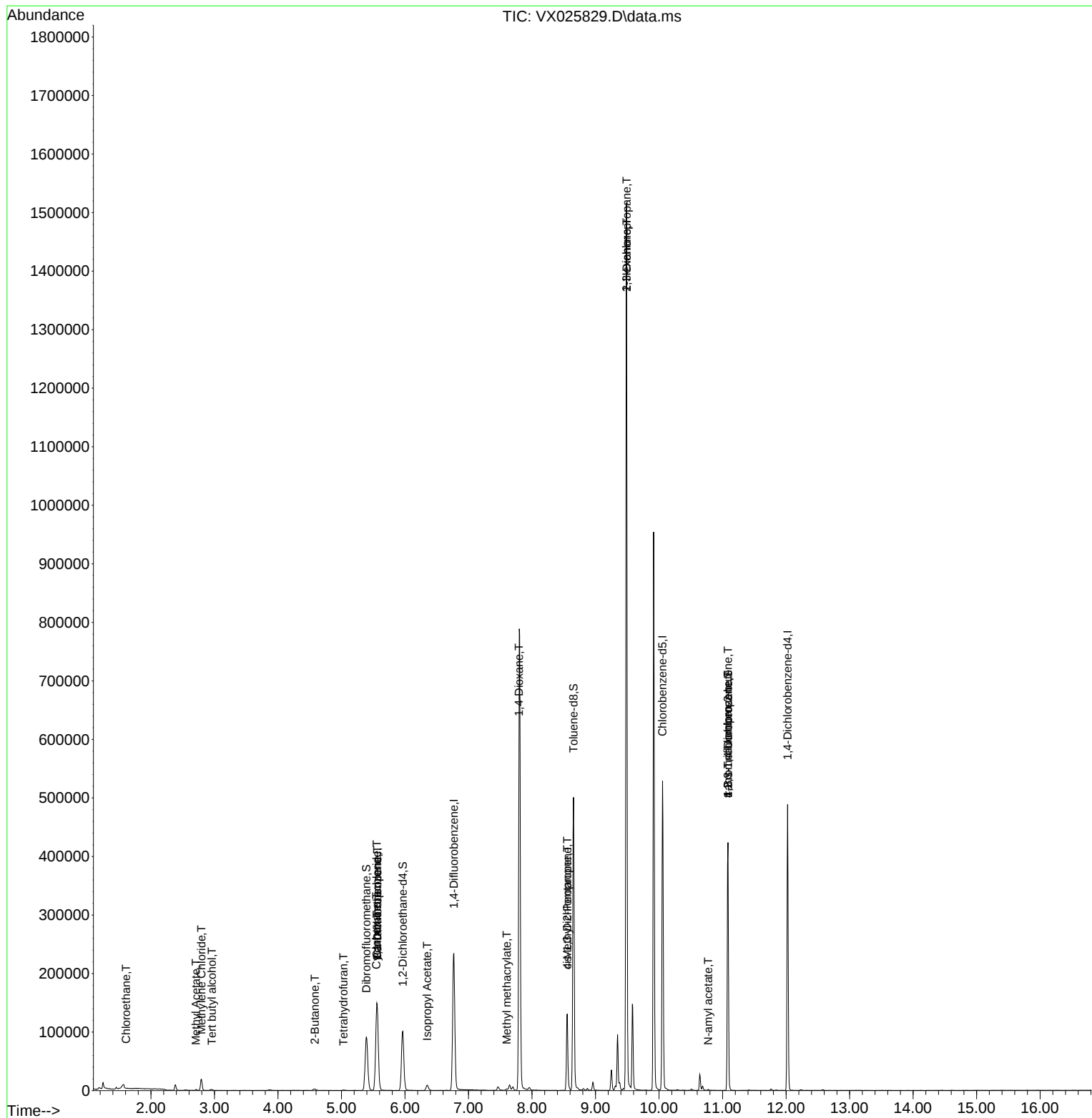
Internal Standards						
1) Pentafluorobenzene	5.562	168	139289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	242214	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	94579	47.192	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.380%		
35) Dibromofluoromethane	5.391	113	78824	46.663	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.320%		
50) Toluene-d8	8.653	98	295819	48.064	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.120%		
62) 4-Bromofluorobenzene	11.085	95	114602	49.018	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.040%		
Target Compounds						Qvalue
6) Chloroethane	1.605	64	403	0.322	ug/l #	79
11) Tert butyl alcohol	2.958	59	1438	3.577	ug/l #	73
16) Acetone	2.385	43	10180	Below Cal		99
18) Methyl Acetate	2.708	43	1785	0.584	ug/l	92
20) Methylene Chloride	2.794	84	8636	2.752	ug/l	96
25) 2-Butanone	4.580	43	4728	3.508	ug/l	93
29) Tetrahydrofuran	5.031	42	730	0.852	ug/l #	37
31) Cyclohexane	5.549	56	3195	1.311	ug/l #	33
36) 1,1-Dichloropropene	5.562	75	11199	4.889	ug/l #	49
38) Carbon Tetrachloride	5.556	117	15030	5.639	ug/l #	16
43) Isopropyl Acetate	6.348	43	12575	3.067	ug/l	98
48) Methyl methacrylate	7.604	41	4146	2.147	ug/l #	12
49) 1,4-Dioxane	7.793	88	88	2.088	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	45611	16.992	ug/l #	51
54) cis-1,3-Dichloropropene	8.555	75	20543	7.453	ug/l #	66
57) 1,3-Dichloropropane	9.488	76	12893	4.210	ug/l #	42
59) 2-Hexanone	9.488	43	173828	85.470	ug/l #	52
74) N-amyl acetate	10.774	43	778	0.267	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	57418	25.134	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57418	77.923	ug/l #	10

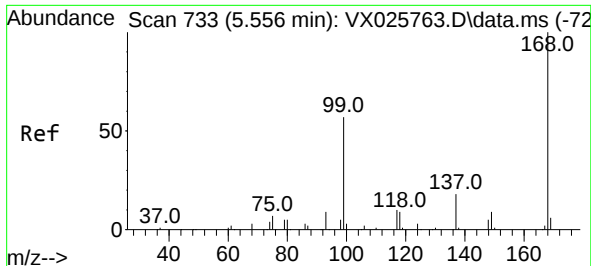
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 21 Sample Multiplier: 1

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MSVOA_X
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CS-2

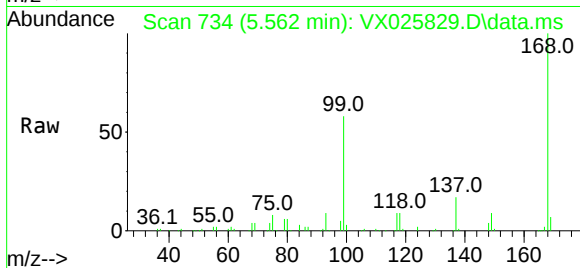
Quant Time: Dec 16 07:32:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
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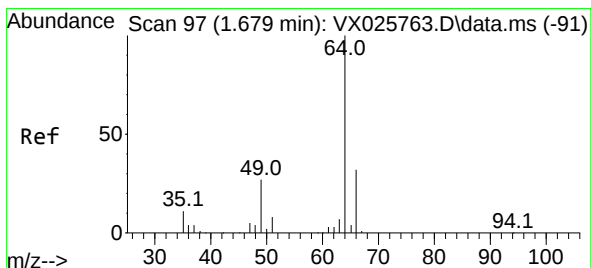
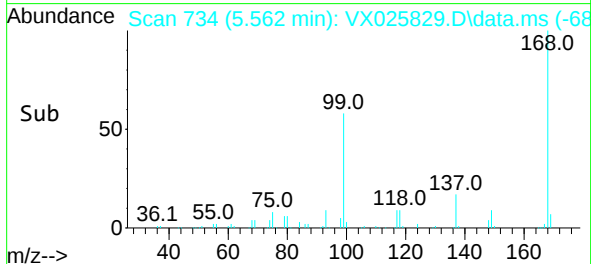
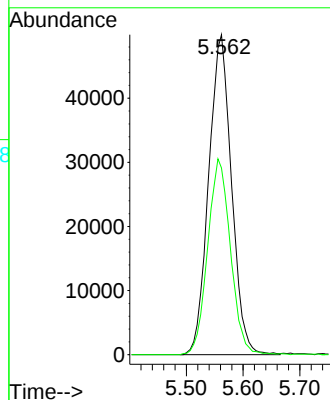


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

Instrument :
MSVOA_X
ClientSampleId :
CS-2

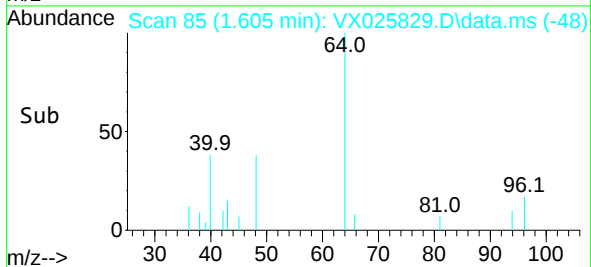
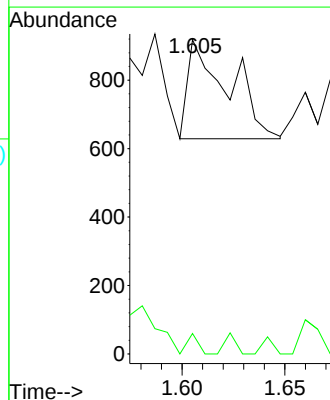
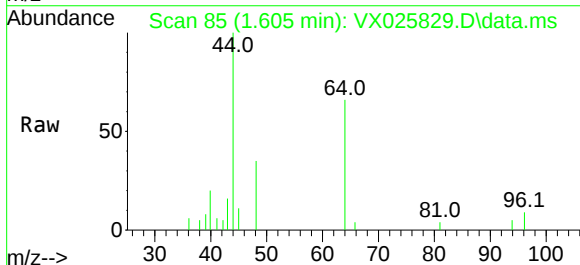


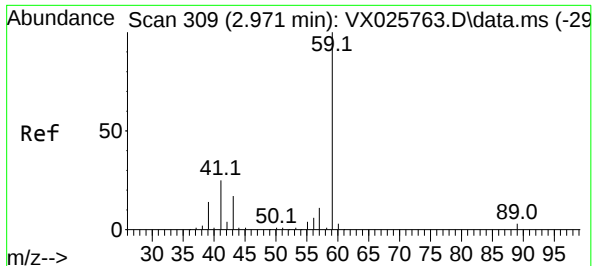
Tgt Ion:168 Resp: 139289
Ion Ratio Lower Upper
168 100
99 58.4 45.8 68.8



#6
Chloroethane
Concen: 0.322 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.074 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

Tgt Ion: 64 Resp: 403
Ion Ratio Lower Upper
64 100
66 20.8 25.9 38.9

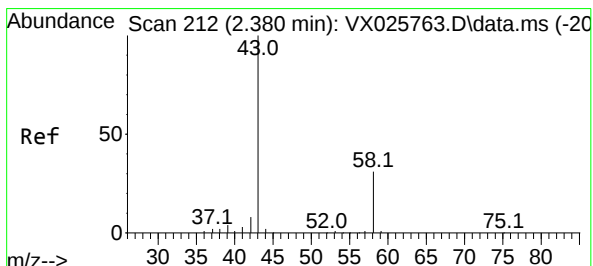
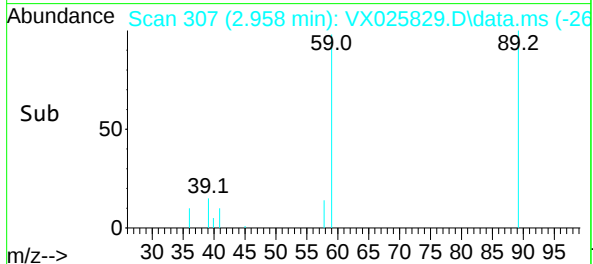
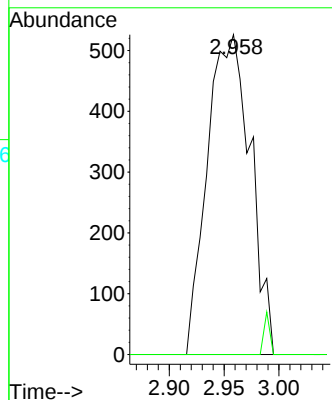
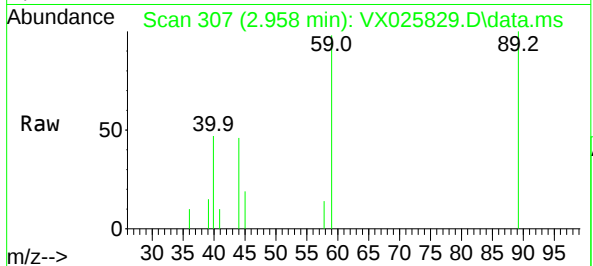




#11
Tert butyl alcohol
Concen: 3.577 ug/l
RT: 2.958 min Scan# 309
Delta R.T. -0.013 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

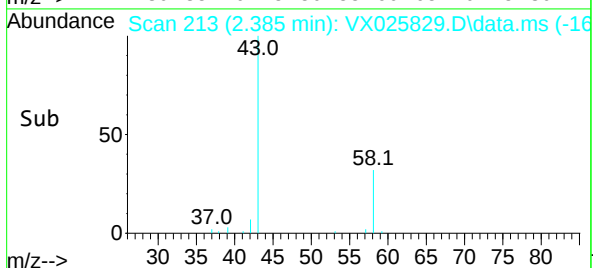
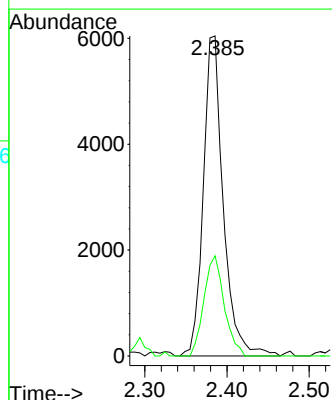
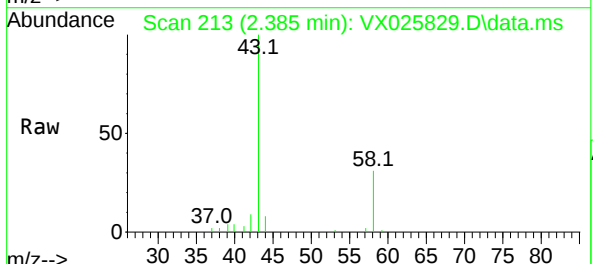
Instrument :
MSVOA_X
ClientSampleId :
CS-2

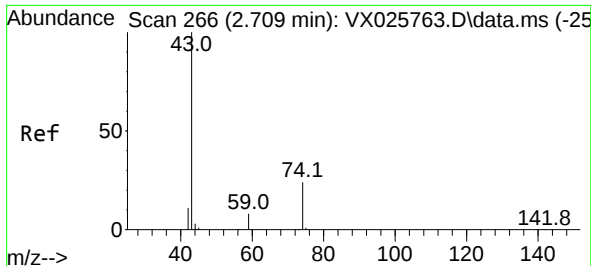
Tgt Ion: 59 Resp: 1438
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: Below Cal
RT: 2.385 min Scan# 213
Delta R.T. 0.005 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

Tgt Ion: 43 Resp: 10180
Ion Ratio Lower Upper
43 100
58 31.3 24.8 37.2

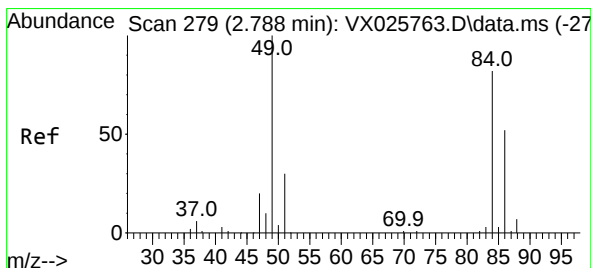
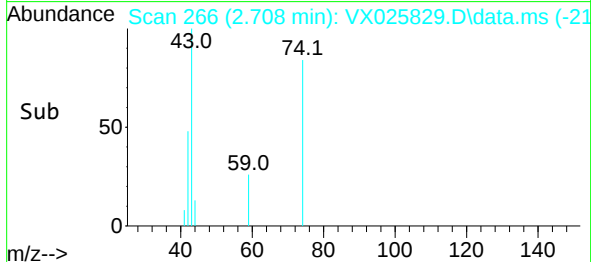
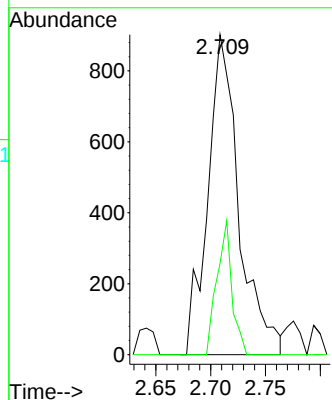
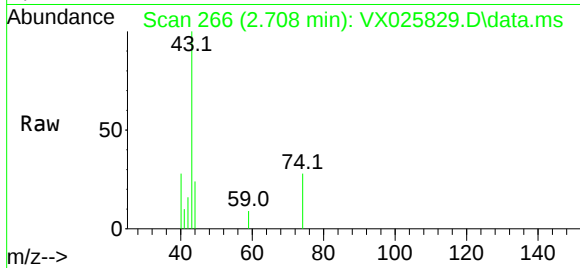




#18
Methyl Acetate
Concen: 0.584 ug/l
RT: 2.708 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

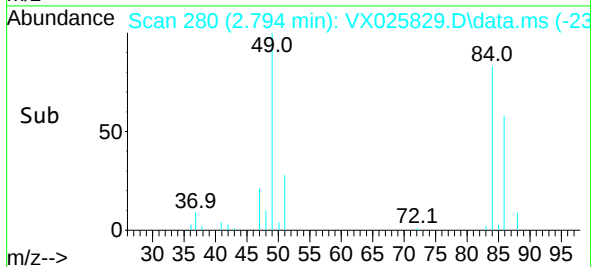
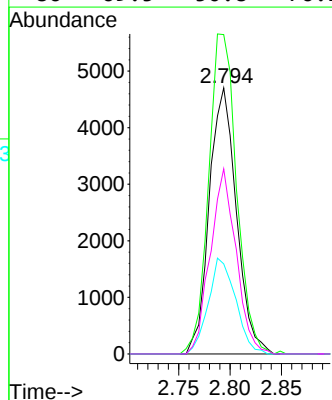
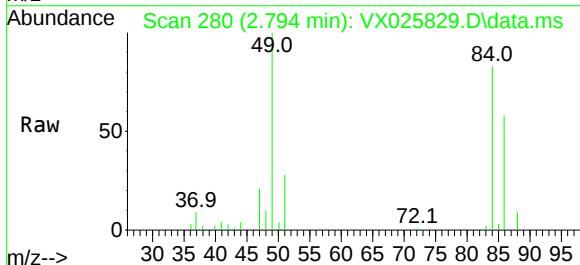
Instrument :
MSVOA_X
ClientSampleId :
CS-2

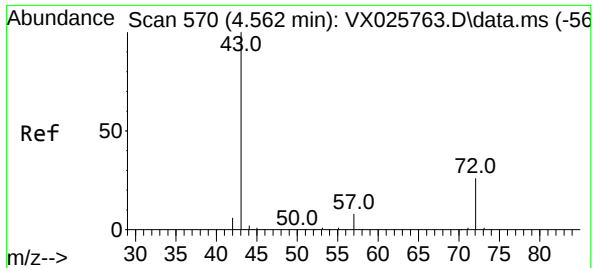
Tgt Ion: 43 Resp: 1785
Ion Ratio Lower Upper
43 100
74 20.2 19.1 28.7



#20
Methylene Chloride
Concen: 2.752 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

Tgt Ion: 84 Resp: 8636
Ion Ratio Lower Upper
84 100
49 120.0 97.1 145.7
51 33.8 29.3 43.9
86 69.5 50.8 76.2

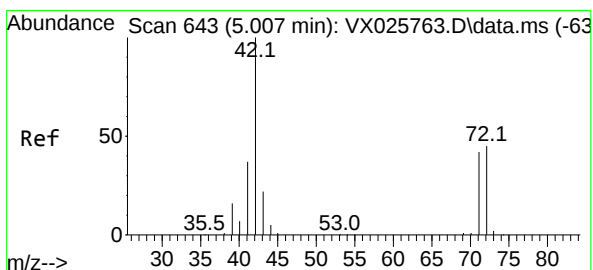
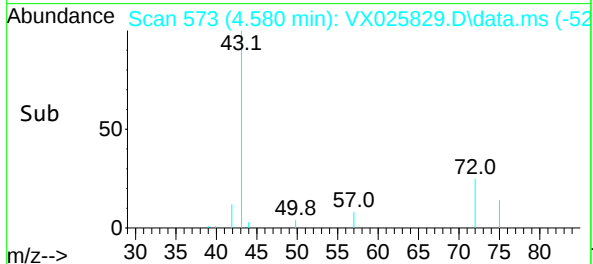
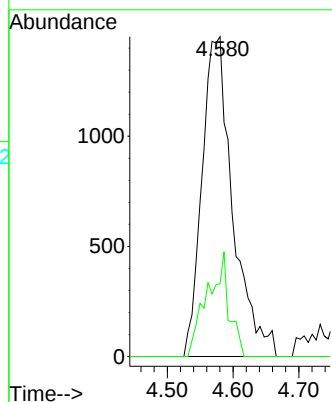
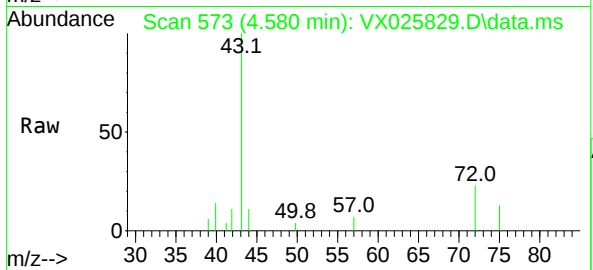




#25
2-Butanone
Concen: 3.508 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

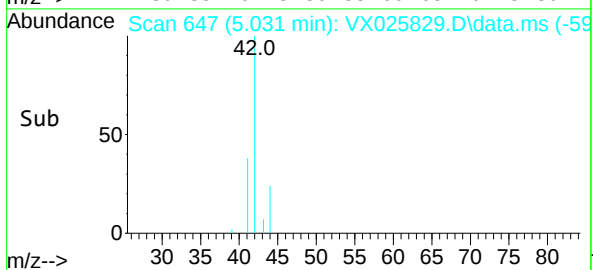
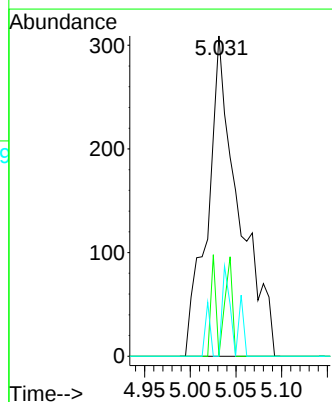
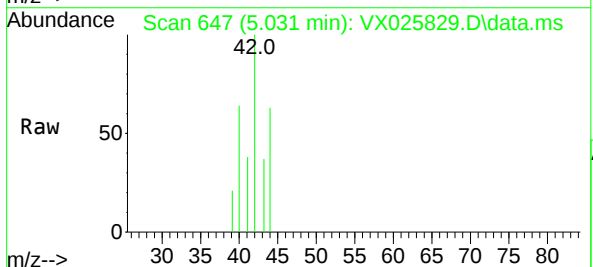
Instrument :
MSVOA_X
ClientSampleId :
CS-2

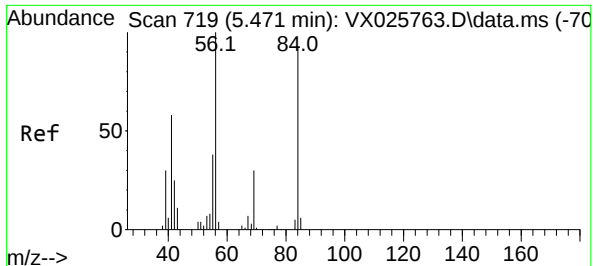
Tgt Ion: 43 Resp: 4728
Ion Ratio Lower Upper
43 100
72 22.8 21.0 31.4



#29
Tetrahydrofuran
Concen: 0.852 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

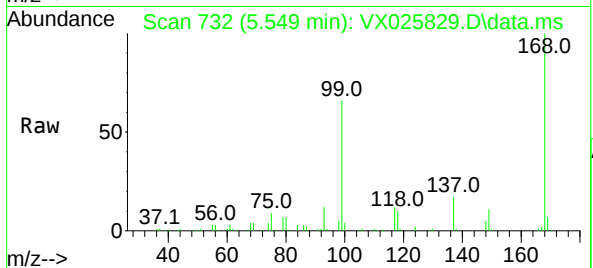
Tgt Ion: 42 Resp: 730
Ion Ratio Lower Upper
42 100
72 4.9 37.0 55.6#
71 2.6 34.1 51.1#



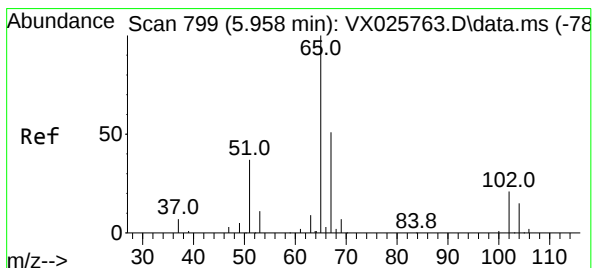
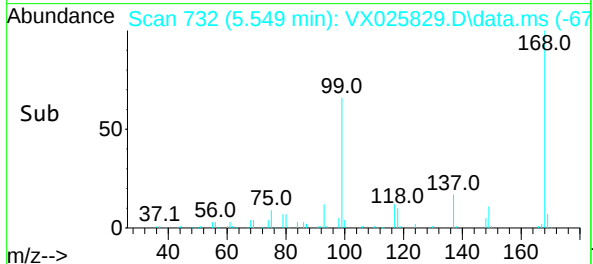
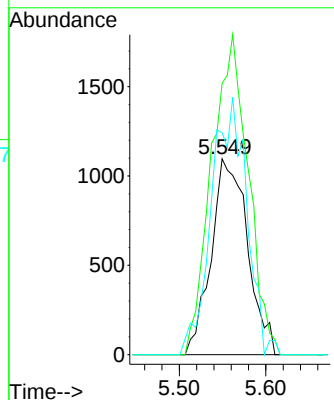


#31
Cyclohexane
Concen: 1.311 ug/l
RT: 5.549 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

Instrument :
MSVOA_X
ClientSampleId :
CS-2

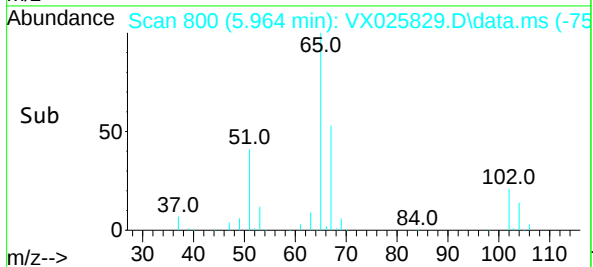
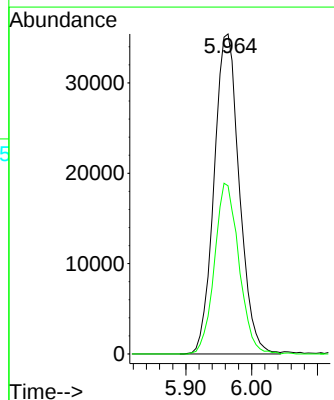
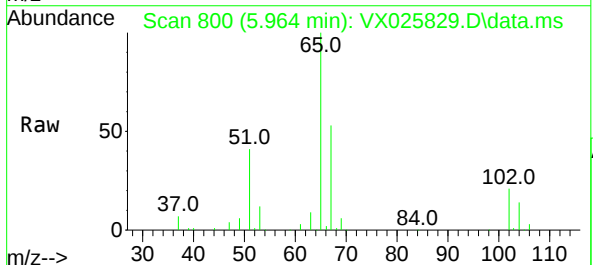


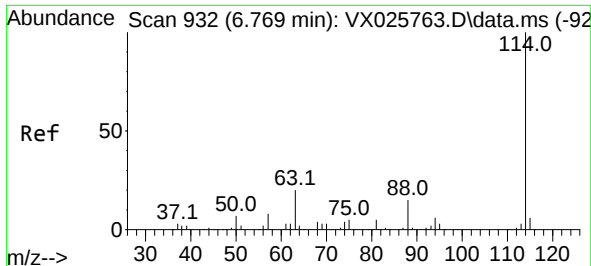
Tgt Ion: 56 Resp: 3195
Ion Ratio Lower Upper
56 100
69 138.6 23.9 35.9#
84 113.3 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 47.192 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

Tgt Ion: 65 Resp: 94579
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4

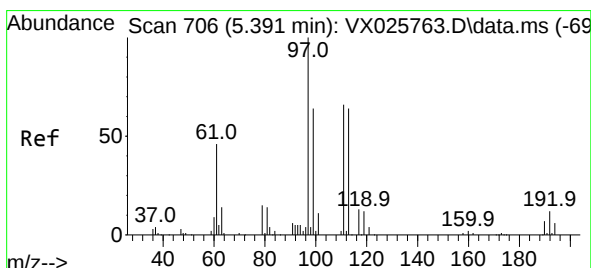
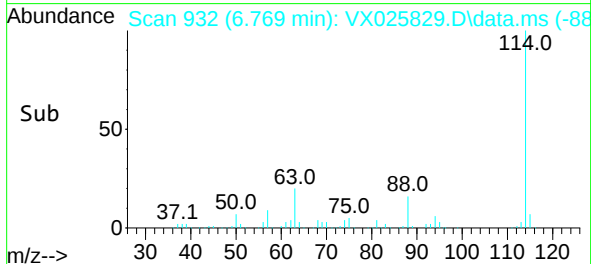
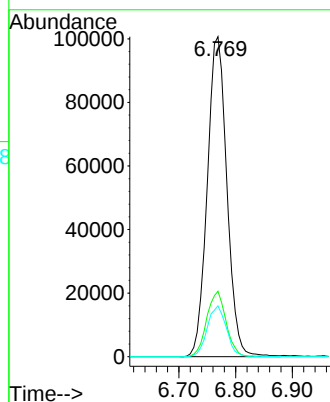
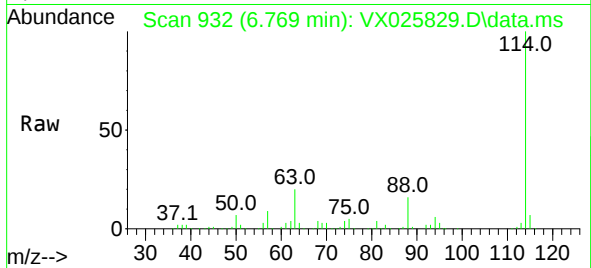




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

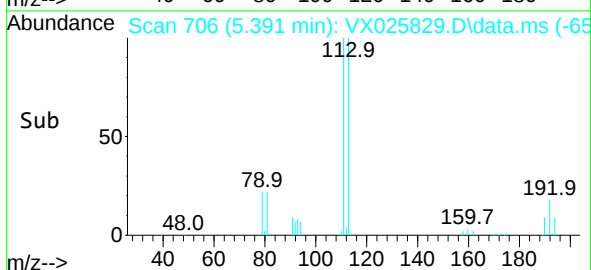
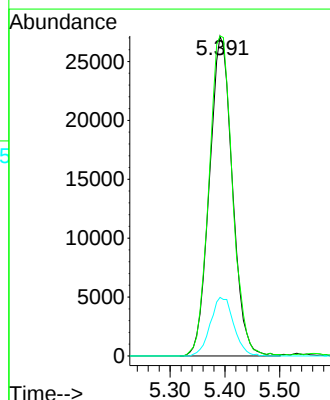
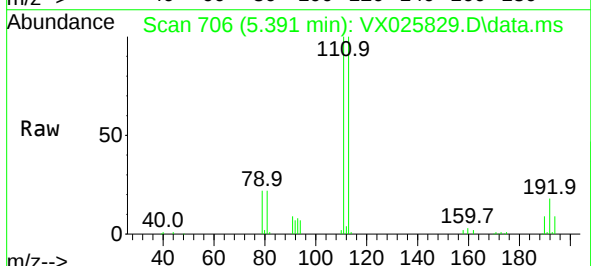
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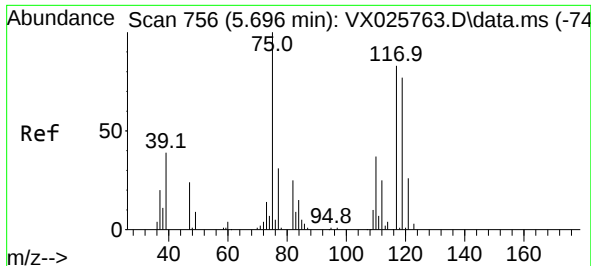
Tgt Ion:114 Resp: 242214
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.0
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.663 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

Tgt Ion:113 Resp: 78824
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 18.6 15.0 22.4

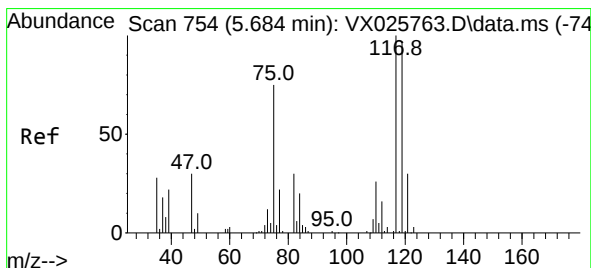
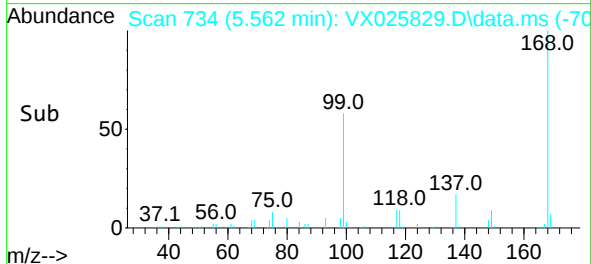
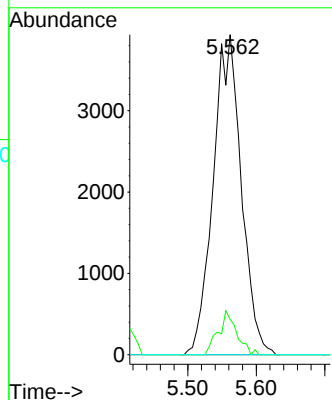
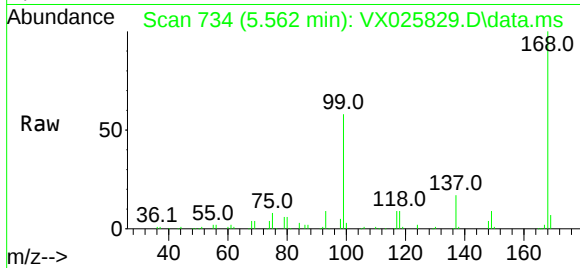




#36
1,1-Dichloropropene
Concen: 4.889 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.135 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

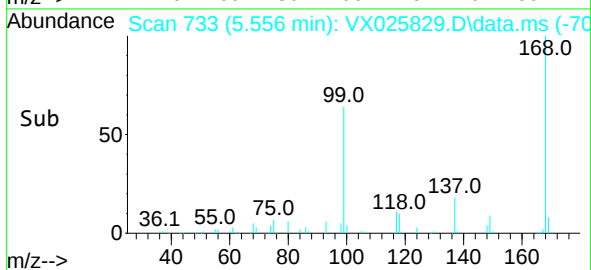
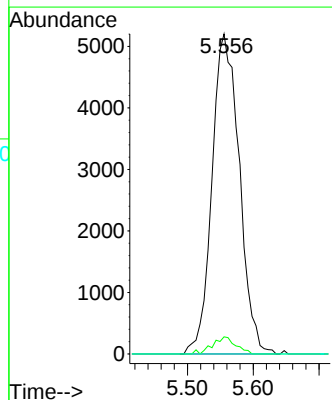
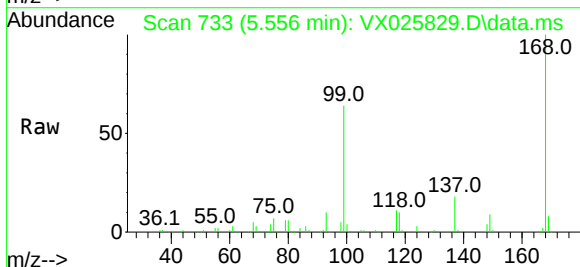
Instrument :
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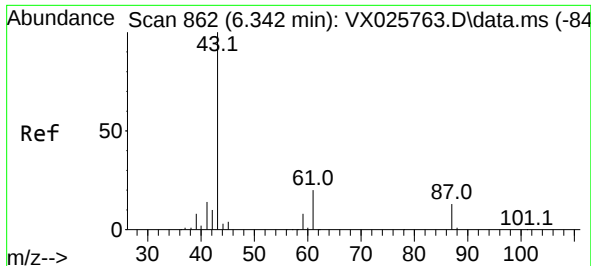
Tgt Ion: 75 Resp: 11199
Ion Ratio Lower Upper
75 100
110 8.9 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.639 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

Tgt Ion: 117 Resp: 15030
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 23.8 35.8#

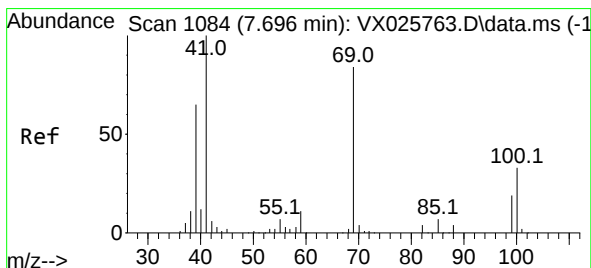
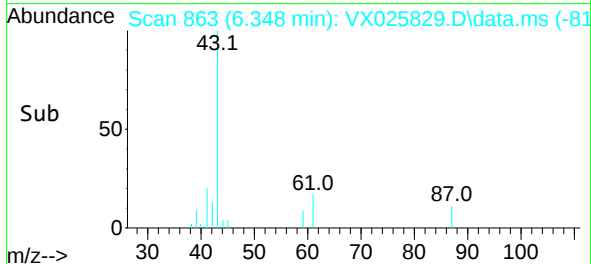
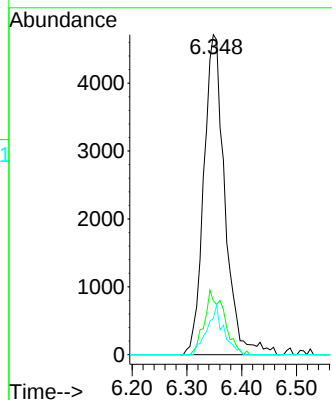
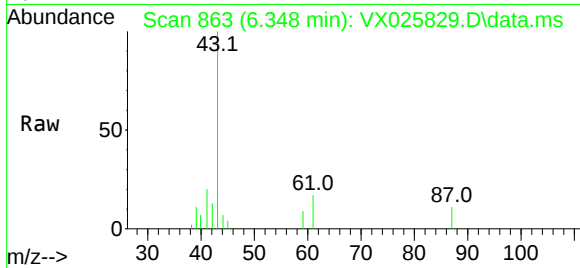




#43
Isopropyl Acetate
Concen: 3.067 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

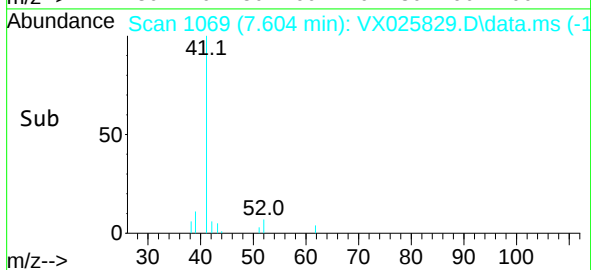
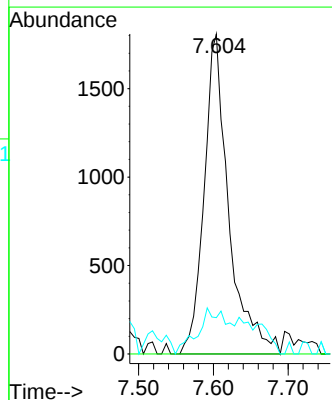
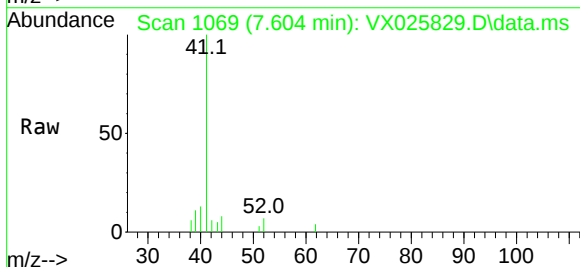
Instrument :
MSVOA_X
ClientSampleId :
CS-2

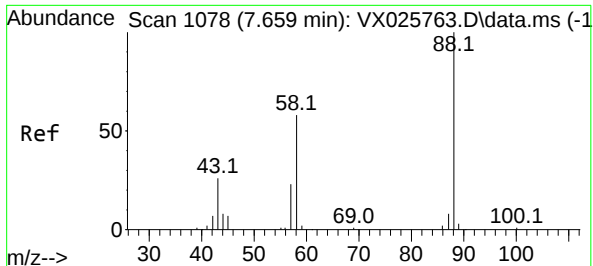
Tgt Ion: 43 Resp: 12575
Ion Ratio Lower Upper
43 100
61 19.1 15.7 23.5
87 12.2 11.2 16.8



#48
Methyl methacrylate
Concen: 2.147 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

Tgt Ion: 41 Resp: 4146
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: 2.088 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX025829.D

Acq: 15 Dec 2021 20:57

Instrument :

MSVOA_X

ClientSampleId :

CS-2

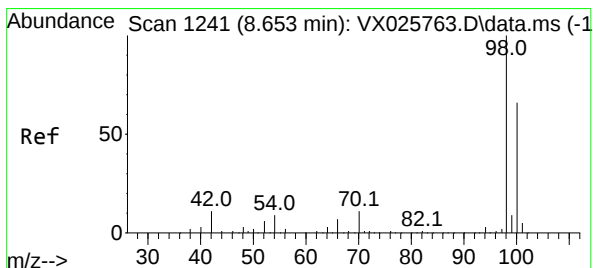
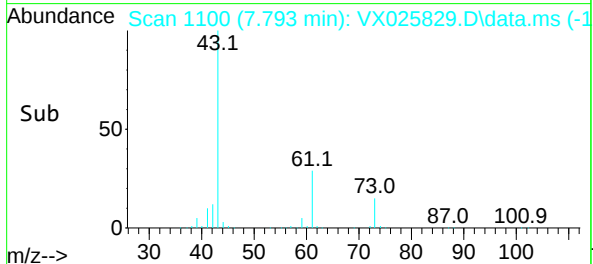
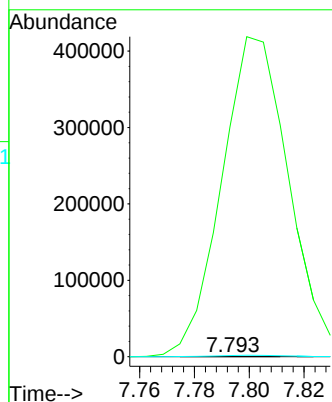
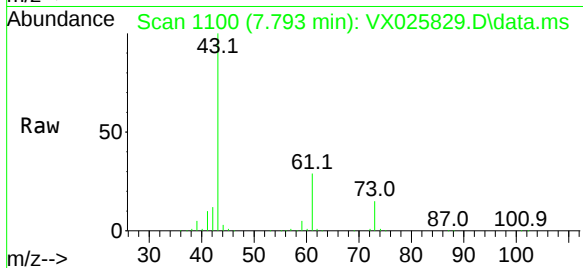
Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

43 824345.5 25.3 37.9#

58 3743.2 51.8 77.6#



#50

Toluene-d8

Concen: 48.064 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025829.D

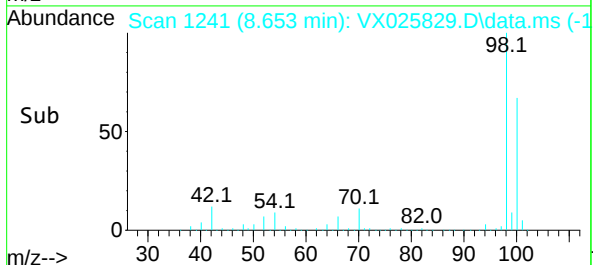
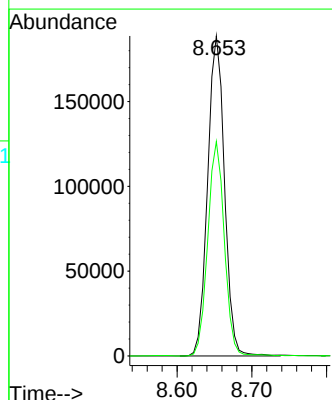
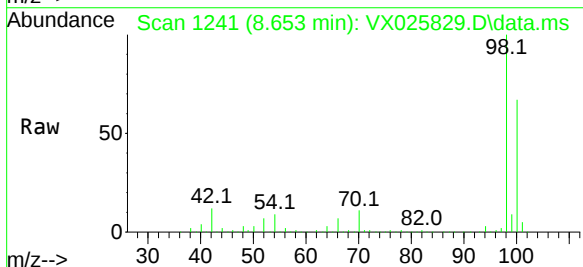
Acq: 15 Dec 2021 20:57

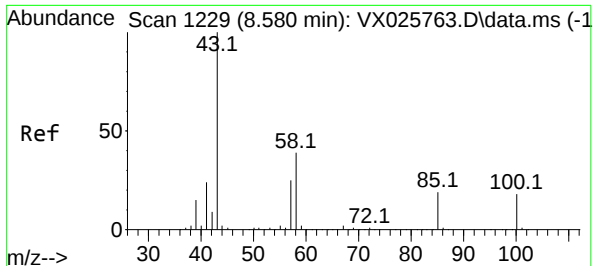
Tgt Ion: 98 Resp: 295819

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.992 ug/l

RT: 8.555 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX025829.D

Acq: 15 Dec 2021 20:57

Instrument :

MSVOA_X

ClientSampleId :

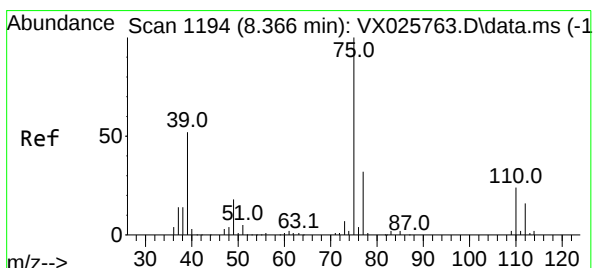
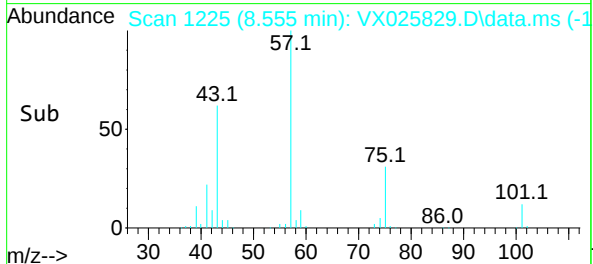
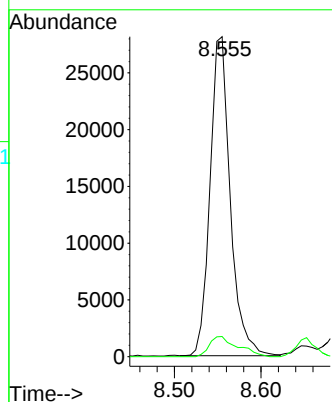
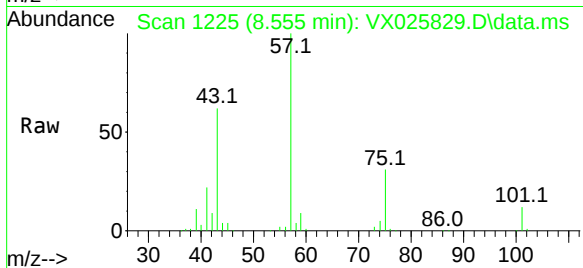
CS-2

Tgt Ion: 43 Resp: 45611

Ion Ratio Lower Upper

43 100

58 8.9 30.8 46.2#



#54

cis-1,3-Dichloropropene

Concen: 7.453 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.189 min

Lab File: VX025829.D

Acq: 15 Dec 2021 20:57

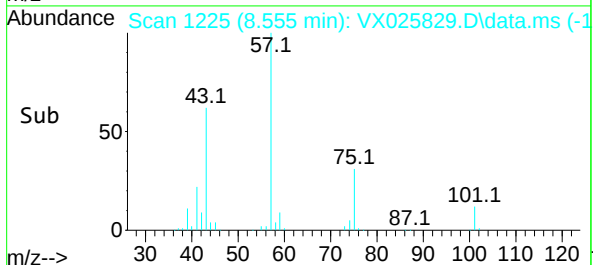
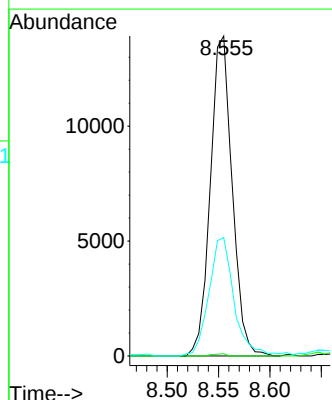
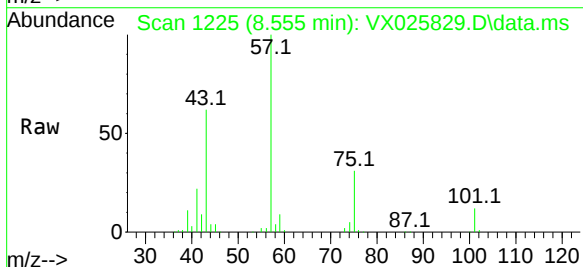
Tgt Ion: 75 Resp: 20543

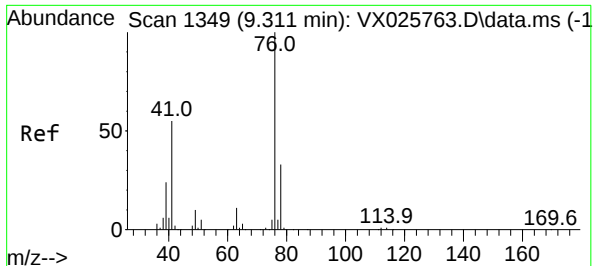
Ion Ratio Lower Upper

75 100

77 0.7 25.3 37.9#

39 37.0 41.4 62.0#





#57

1,3-Dichloropropane

Concen: 4.210 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.176 min

Lab File: VX025829.D

Acq: 15 Dec 2021 20:57

Instrument :

MSVOA_X

ClientSampleId :

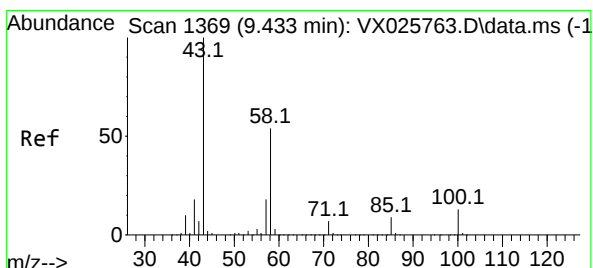
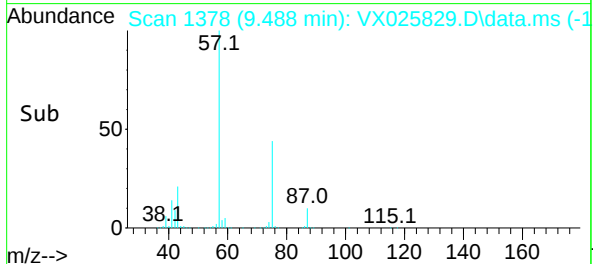
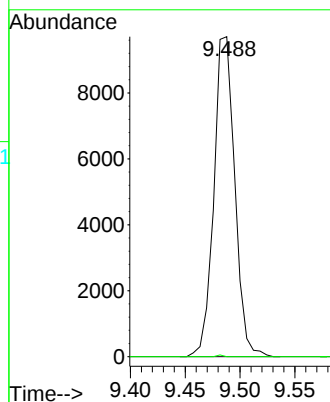
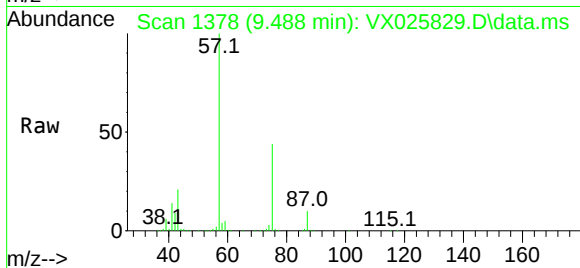
CS-2

Tgt Ion: 76 Resp: 12893

Ion Ratio Lower Upper

76 100

78 0.1 26.0 39.0#



#59

2-Hexanone

Concen: 85.470 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.054 min

Lab File: VX025829.D

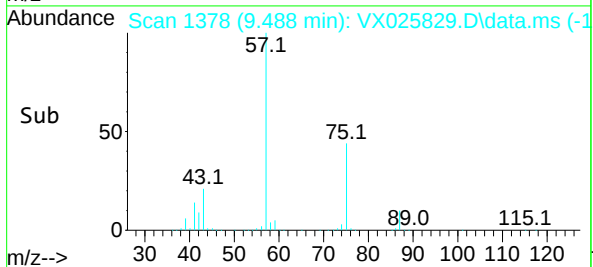
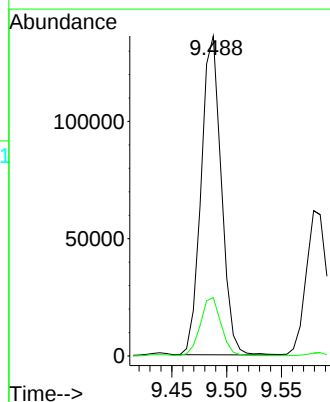
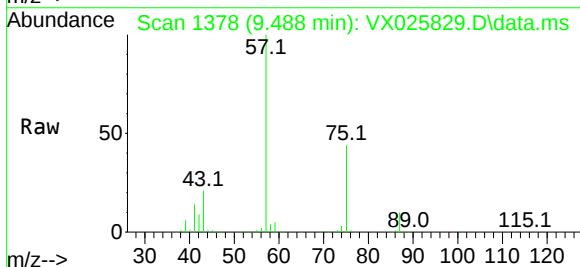
Acq: 15 Dec 2021 20:57

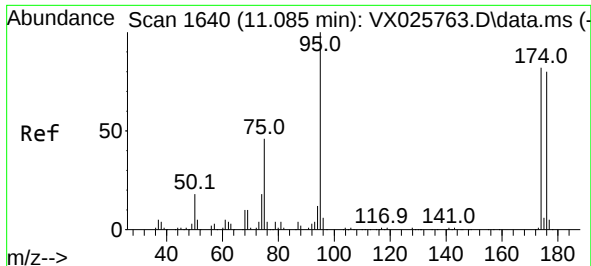
Tgt Ion: 43 Resp: 173828

Ion Ratio Lower Upper

43 100

58 19.2 26.9 80.6#

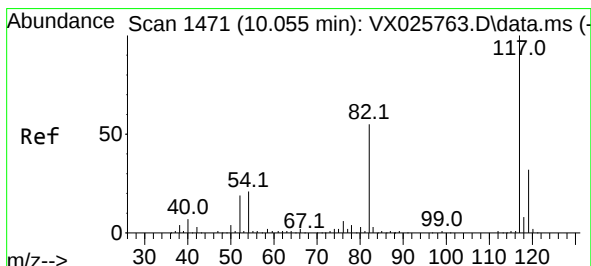
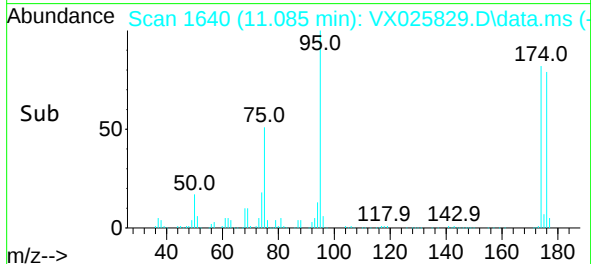
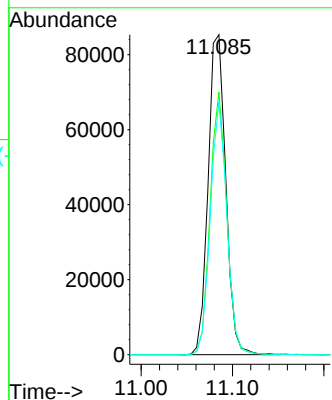
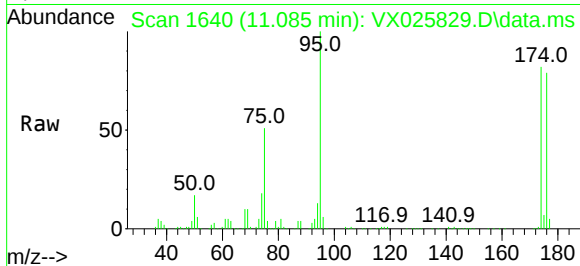




#62
4-Bromofluorobenzene
Concen: 49.018 ug/l
RT: 11.085 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

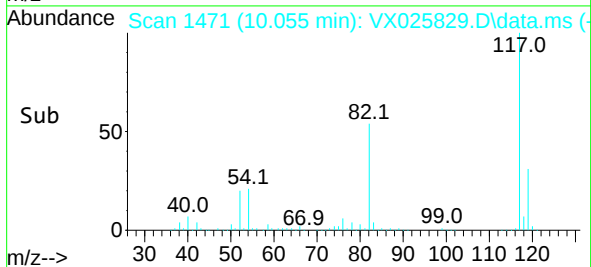
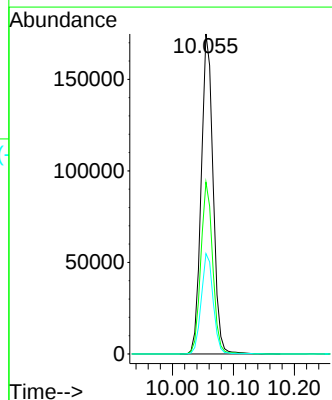
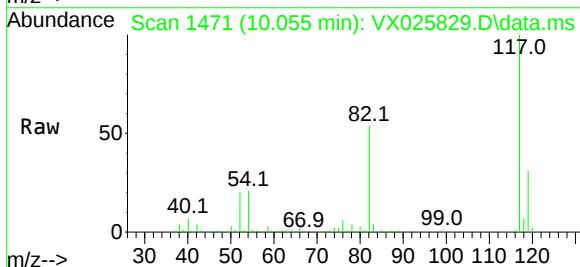
Instrument :
MSVOA_X
ClientSampleId :
CS-2

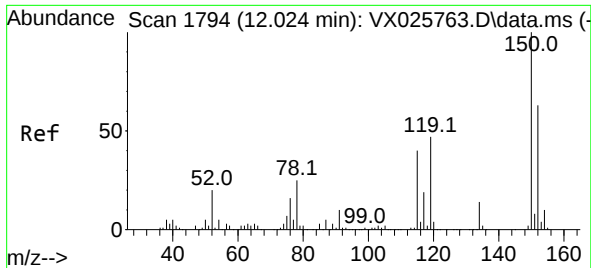
Tgt Ion: 95 Resp: 114602
Ion Ratio Lower Upper
95 100
174 77.7 0.0 157.4
176 74.3 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

Tgt Ion: 117 Resp: 237223
Ion Ratio Lower Upper
117 100
82 53.7 43.8 65.6
119 31.3 25.2 37.8

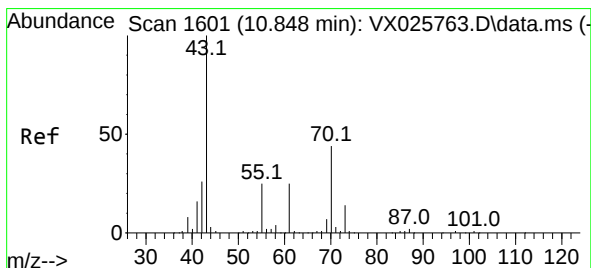
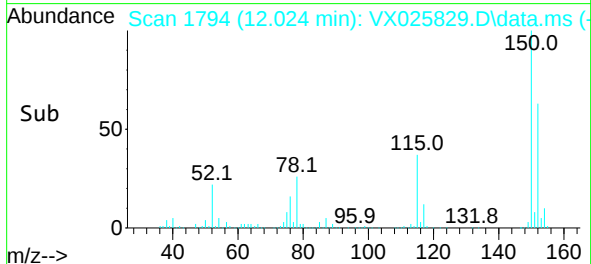
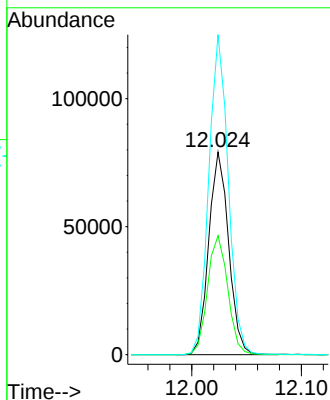
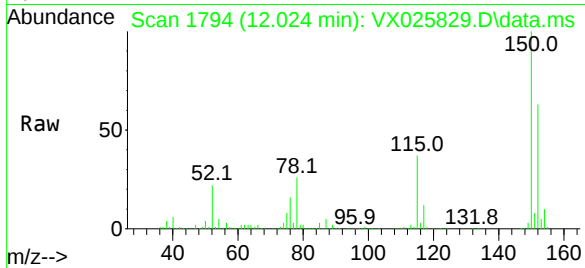




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

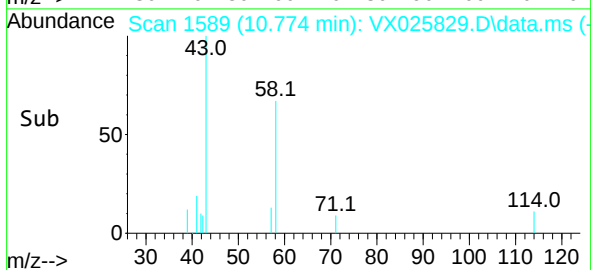
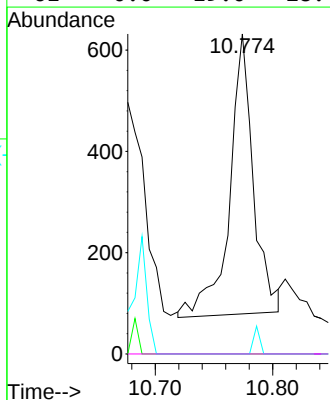
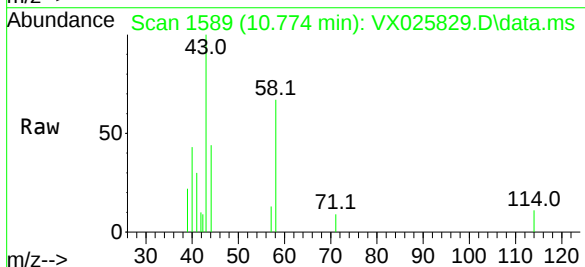
Instrument :
MSVOA_X
ClientSampleId :
CS-2

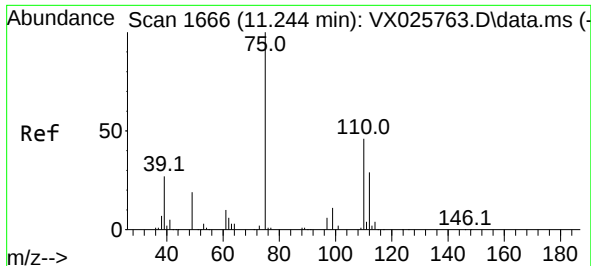
Tgt Ion:152 Resp: 99707
Ion Ratio Lower Upper
152 100
115 59.8 41.3 123.9
150 154.8 0.0 351.8



#74
N-ethyl acetate
Concen: 0.267 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

Tgt Ion: 43 Resp: 778
Ion Ratio Lower Upper
43 100
70 0.0 34.1 51.1#
55 2.6 19.2 28.8#
61 0.0 19.0 28.4#

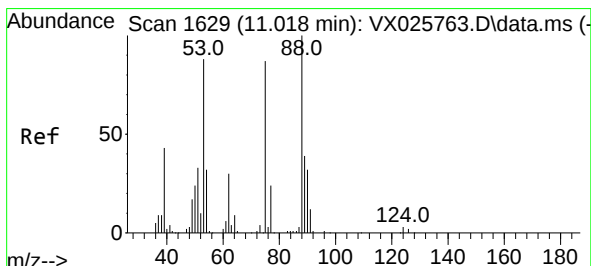
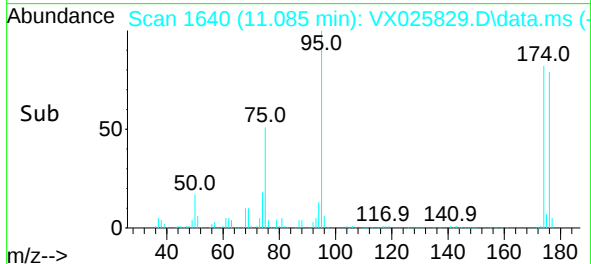
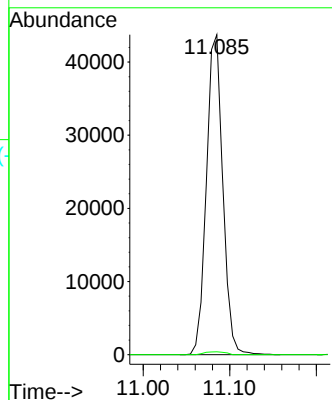
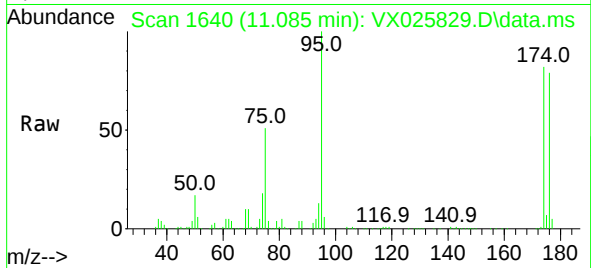




#76
1,2,3-Trichloropropane
Concen: 25.134 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

Instrument :
MSVOA_X
ClientSampleId :
CS-2

Tgt Ion: 75 Resp: 57418
Ion Ratio Lower Upper
75 100
77 1.2 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.923 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025829.D
Acq: 15 Dec 2021 20:57

Tgt Ion: 75 Resp: 57418
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

