

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025830.D
 Acq On : 15 Dec 2021 21:21
 Operator : JC/MD
 Sample : M5074-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CS-1

Quant Time: Dec 16 07:32:17 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)

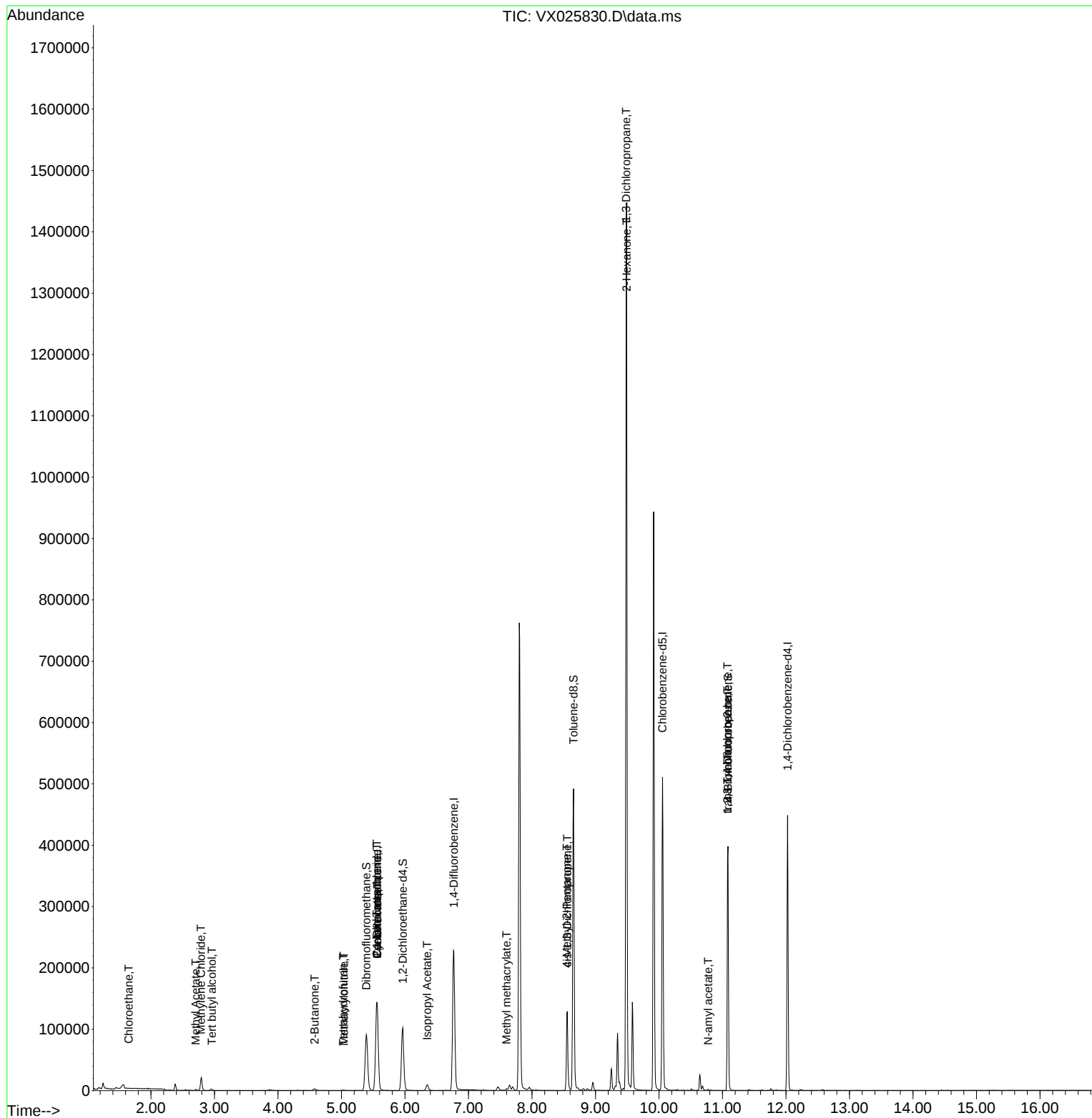
Internal Standards						
1) Pentafluorobenzene	5.562	168	136500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	237044	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	93402	47.557	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.120%		
35) Dibromofluoromethane	5.391	113	77386	46.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.620%		
50) Toluene-d8	8.653	98	288578	47.910	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.820%		
62) 4-Bromofluorobenzene	11.085	95	106870	46.708	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.420%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.648	64	406	0.332	ug/l #	75
11) Tert butyl alcohol	2.959	59	1718	4.361	ug/l #	77
16) Acetone	2.380	43	10315	Below Cal		99
18) Methyl Acetate	2.703	43	1839	0.614	ug/l	92
20) Methylene Chloride	2.788	84	8835	2.985	ug/l	97
25) 2-Butanone	4.574	43	4403	3.333	ug/l	97
29) Tetrahydrofuran	5.026	42	662	0.788	ug/l #	41
31) Cyclohexane	5.562	56	3001	1.256	ug/l #	19
36) 1,1-Dichloropropene	5.556	75	11293	5.037	ug/l #	44
38) Carbon Tetrachloride	5.556	117	14380	5.513	ug/l #	15
41) Methacrylonitrile	5.038	41	350	0.254	ug/l #	45
43) Isopropyl Acetate	6.349	43	12395	3.089	ug/l	98
48) Methyl methacrylate	7.598	41	4181	2.212	ug/l #	12
51) 4-Methyl-2-Pentanone	8.549	43	46007	17.514	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	20842	7.727	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	12211	4.074	ug/l #	42
59) 2-Hexanone	9.488	43	170020	85.421	ug/l #	51
74) N-amyl acetate	10.775	43	866	0.330	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	54632	26.501	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	54632	82.159	ug/l #	10

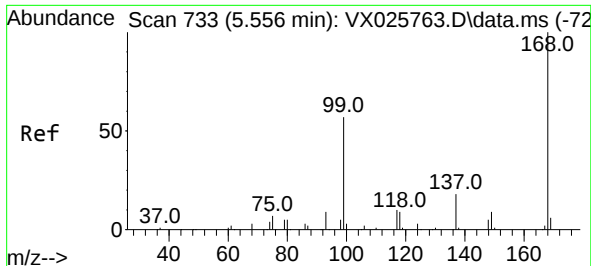
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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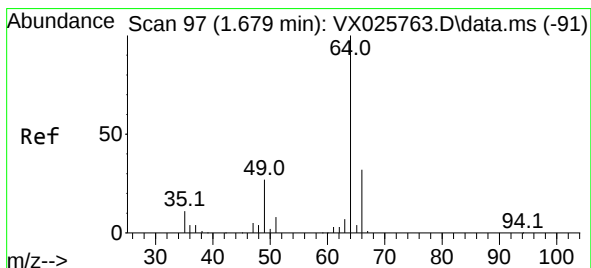
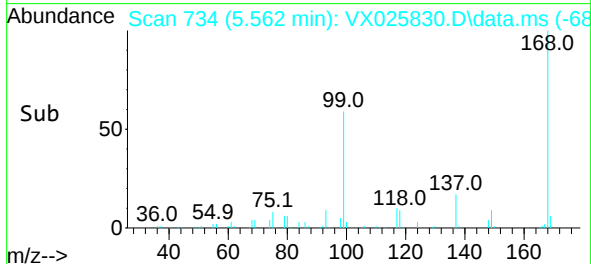
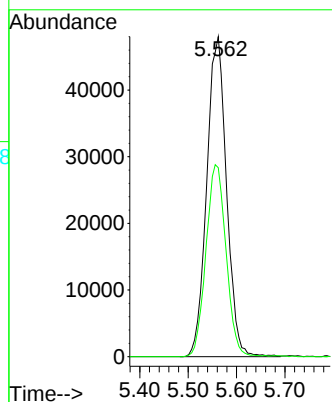
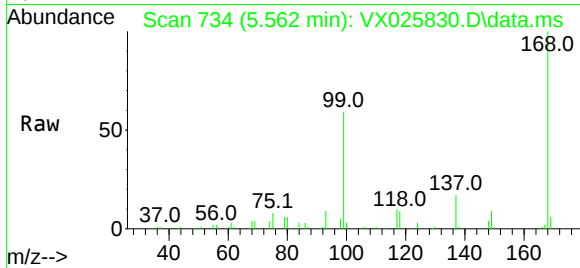




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

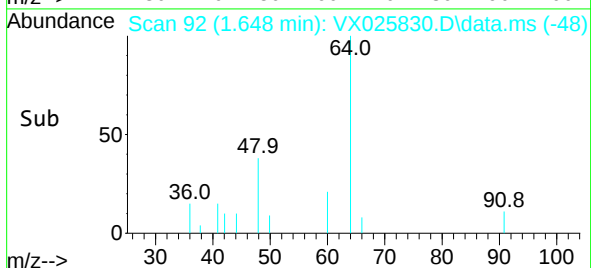
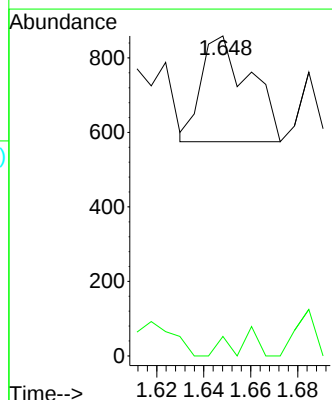
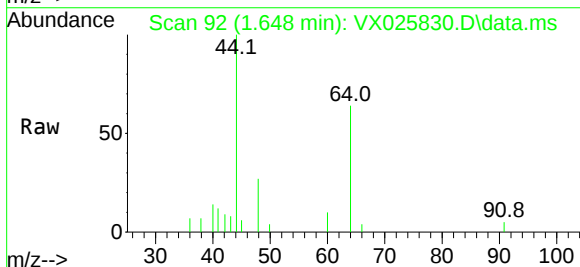
Instrument :
MSVOA_X
ClientSampleId :
CS-1

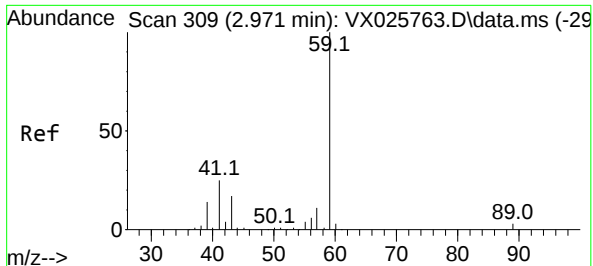
Tgt Ion:168 Resp: 136500
Ion Ratio Lower Upper
168 100
99 59.1 45.8 68.8



#6
Chloroethane
Concen: 0.332 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.030 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

Tgt Ion: 64 Resp: 406
Ion Ratio Lower Upper
64 100
66 18.3 25.9 38.9#

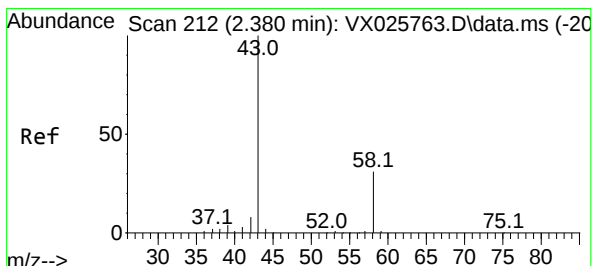
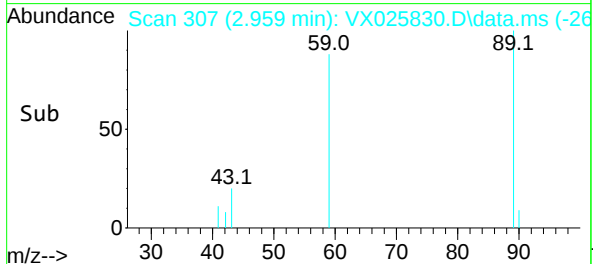
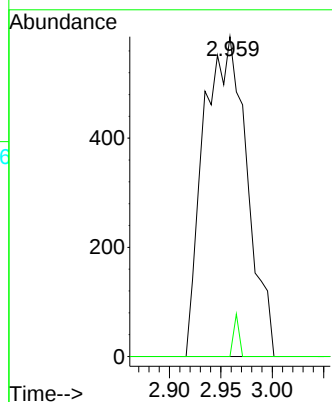
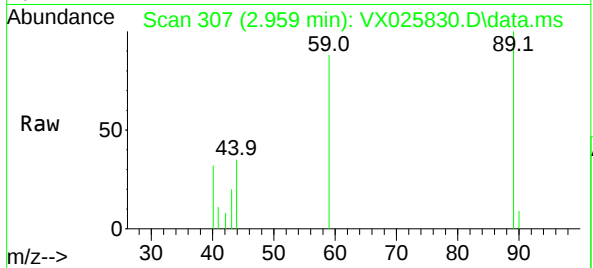




#11
Tert butyl alcohol
Concen: 4.361 ug/l
RT: 2.959 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

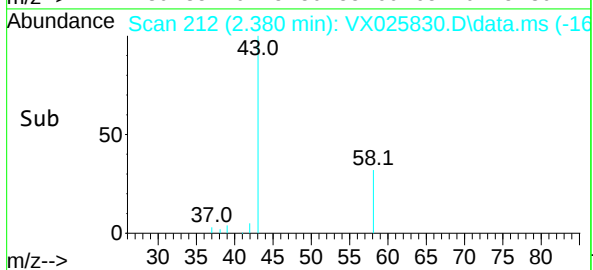
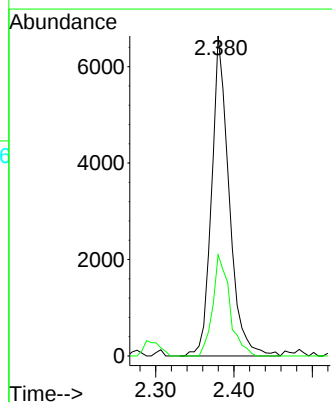
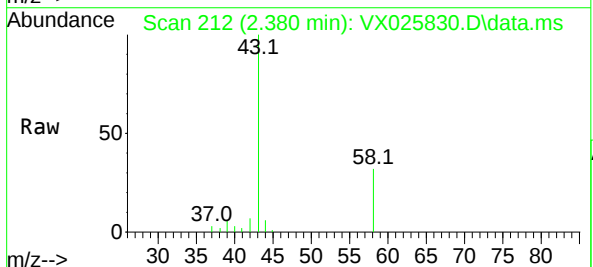
Instrument :
MSVOA_X
ClientSampleId :
CS-1

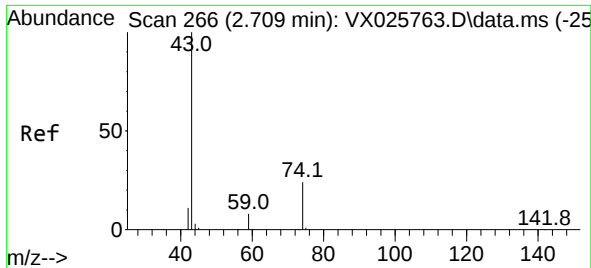
Tgt Ion: 59 Resp: 1718
Ion Ratio Lower Upper
59 100
57 1.7 8.2 12.2#



#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

Tgt Ion: 43 Resp: 10315
Ion Ratio Lower Upper
43 100
58 31.6 24.8 37.2

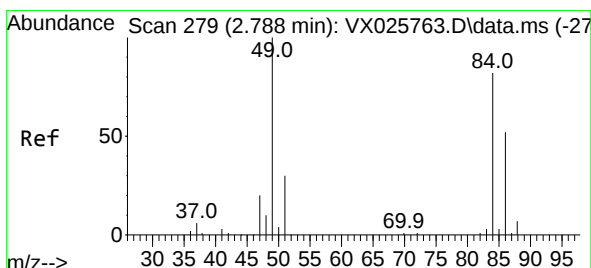
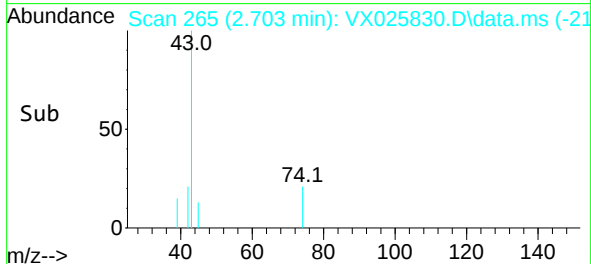
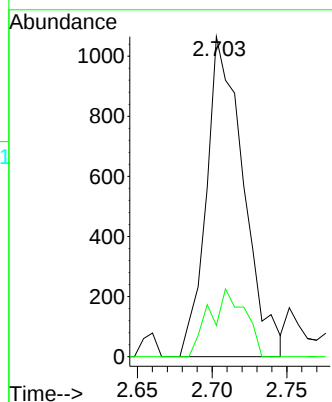
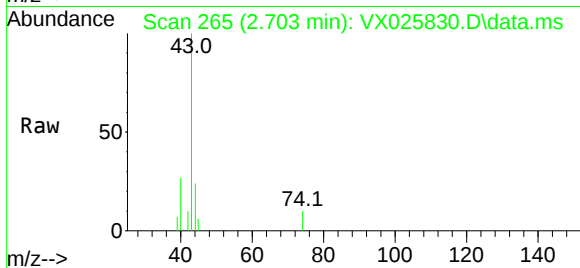




#18
Methyl Acetate
Concen: 0.614 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

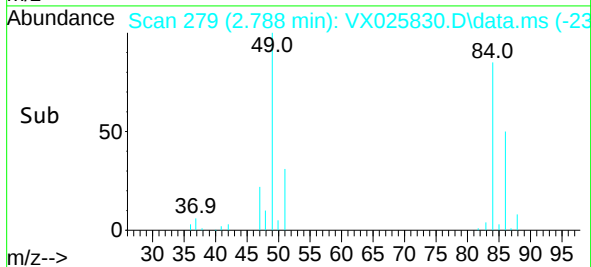
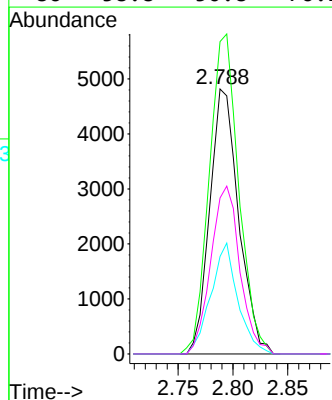
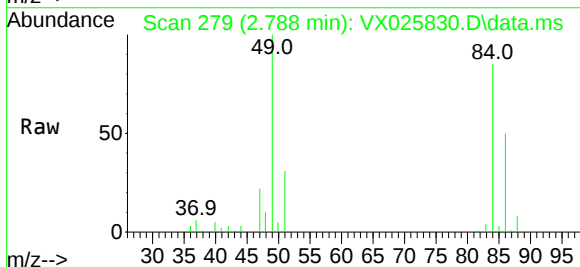
Instrument :
MSVOA_X
ClientSampleId :
CS-1

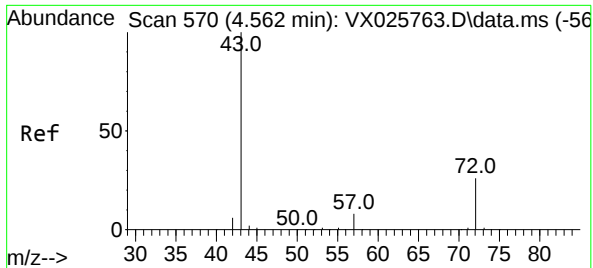
Tgt Ion: 43 Resp: 1839
Ion Ratio Lower Upper
43 100
74 20.2 19.1 28.7



#20
Methylene Chloride
Concen: 2.985 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

Tgt Ion: 84 Resp: 8835
Ion Ratio Lower Upper
84 100
49 117.9 97.1 145.7
51 36.7 29.3 43.9
86 58.8 50.8 76.2

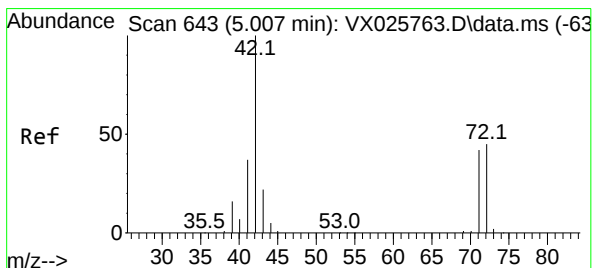
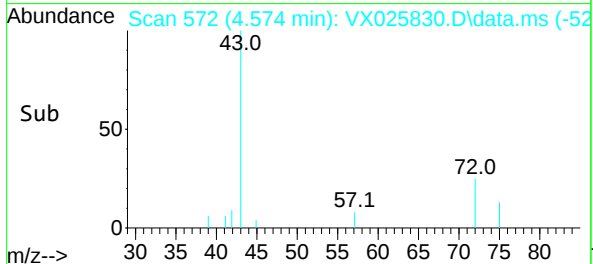
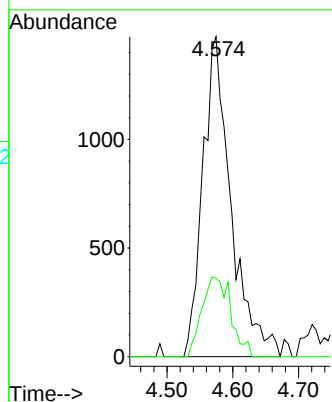
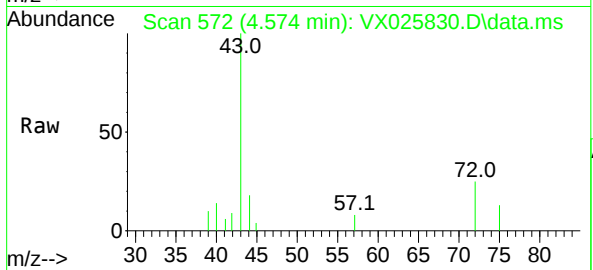




#25
2-Butanone
Concen: 3.333 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

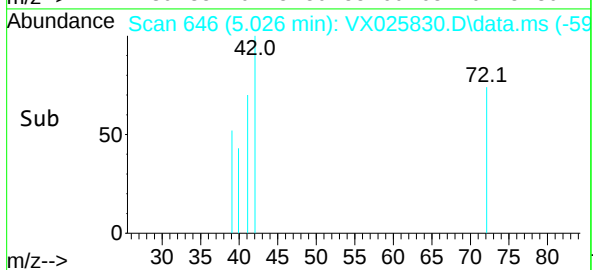
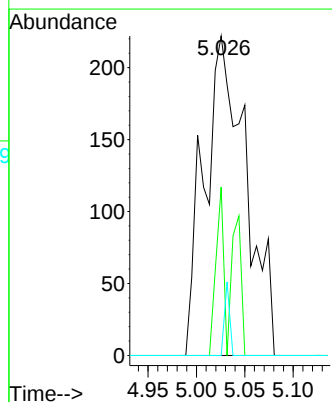
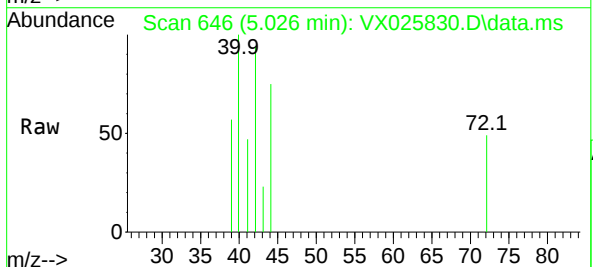
Instrument :
MSVOA_X
ClientSampleId :
CS-1

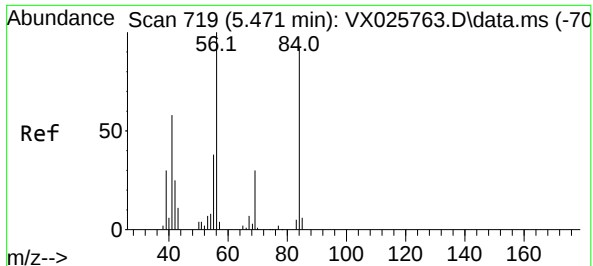
Tgt Ion: 43 Resp: 4403
Ion Ratio Lower Upper
43 100
72 24.6 21.0 31.4



#29
Tetrahydrofuran
Concen: 0.788 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

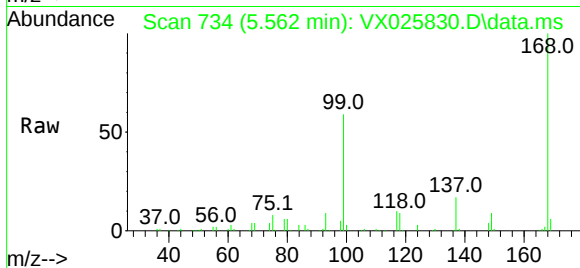
Tgt Ion: 42 Resp: 662
Ion Ratio Lower Upper
42 100
72 9.7 37.0 55.6#
71 2.9 34.1 51.1#



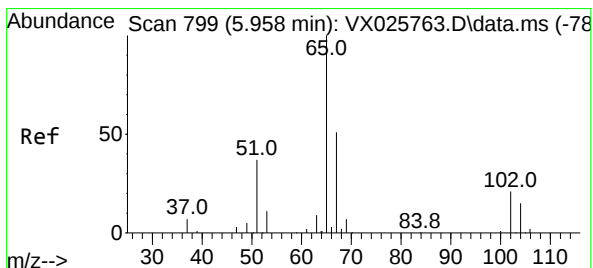
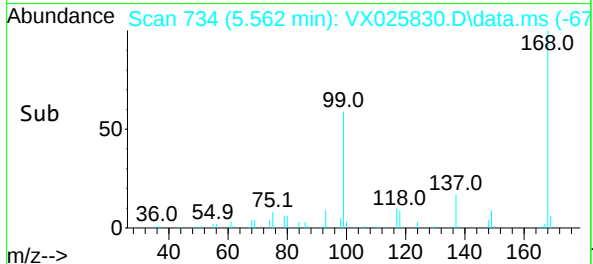
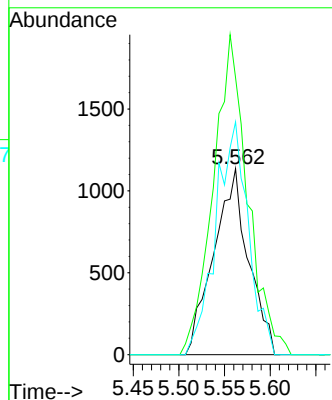


#31
Cyclohexane
Concen: 1.256 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

Instrument :
MSVOA_X
ClientSampleId :
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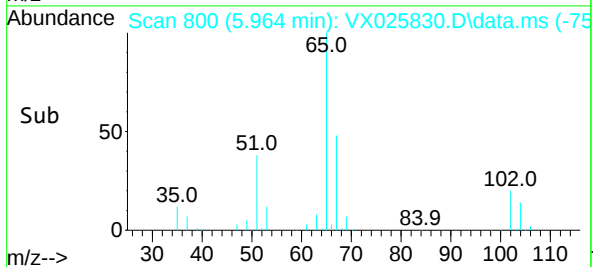
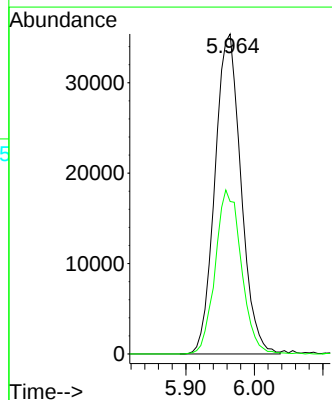
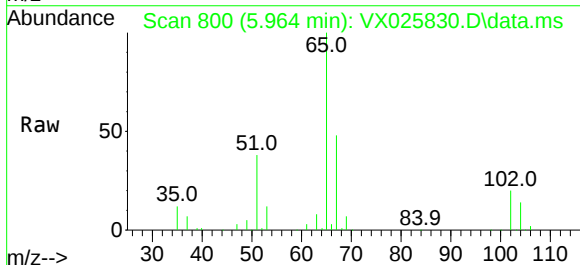


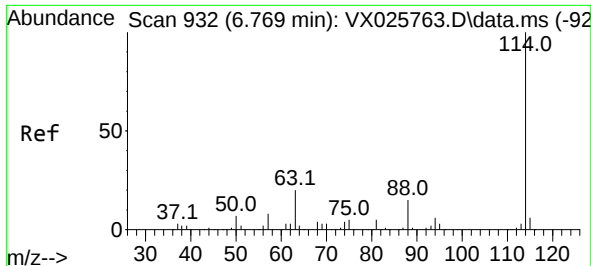
Tgt Ion: 56 Resp: 3001
Ion Ratio Lower Upper
56 100
69 148.9 23.9 35.9#
84 125.1 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 47.557 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

Tgt Ion: 65 Resp: 93402
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.4

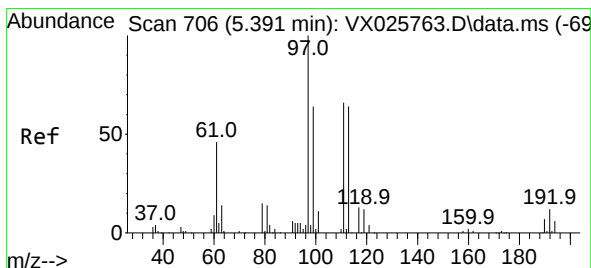
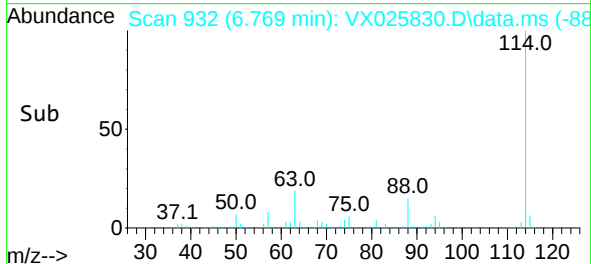
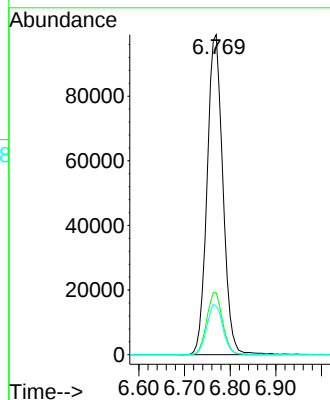
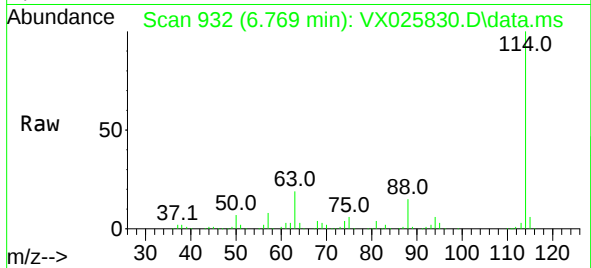




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

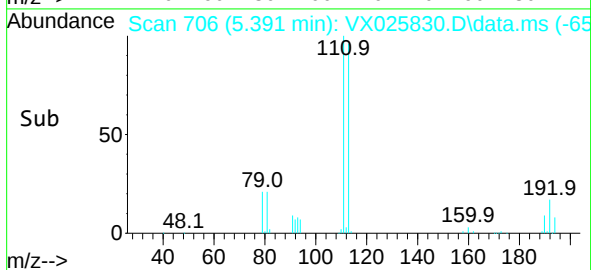
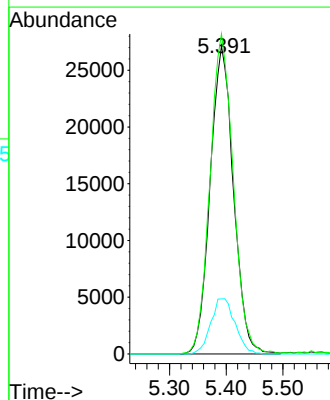
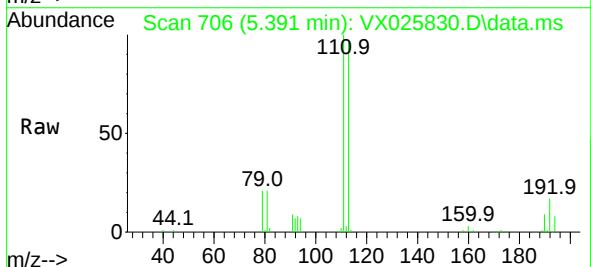
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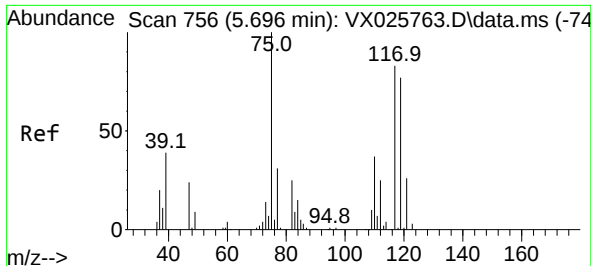
Tgt Ion:114 Resp: 237044
Ion Ratio Lower Upper
114 100
63 19.3 0.0 40.0
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.811 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

Tgt Ion:113 Resp: 77386
Ion Ratio Lower Upper
113 100
111 104.1 81.8 122.8
192 18.7 15.0 22.4

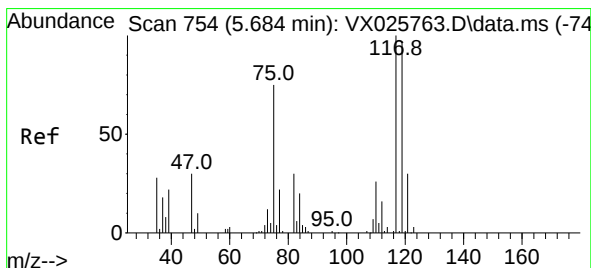
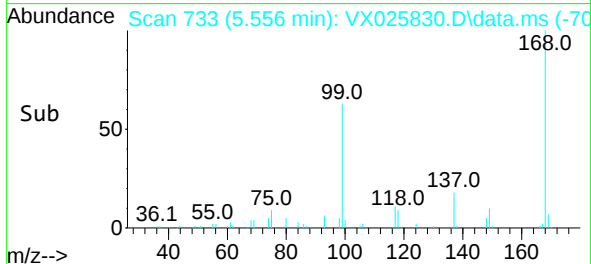
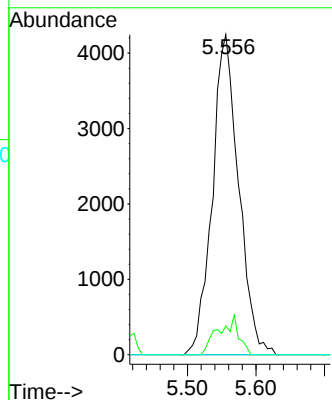
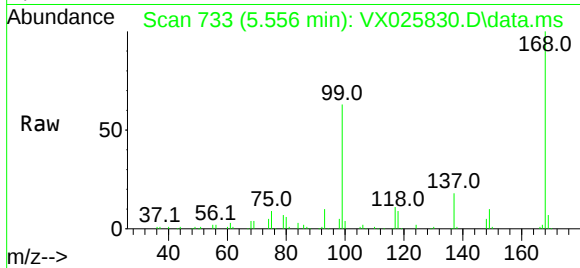




#36
1,1-Dichloropropene
Concen: 5.037 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

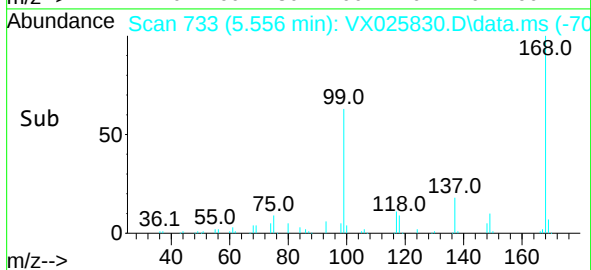
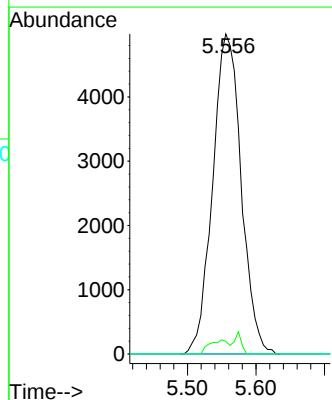
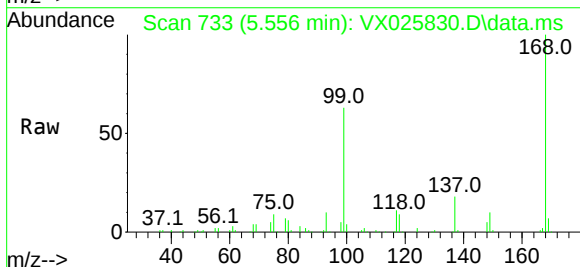
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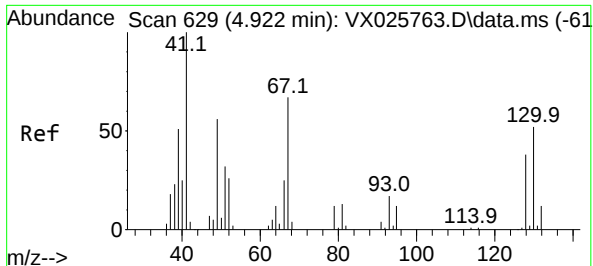
Tgt Ion: 75 Resp: 11293
Ion Ratio Lower Upper
75 100
110 3.9 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.513 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

Tgt Ion: 117 Resp: 14380
Ion Ratio Lower Upper
117 100
119 3.9 77.2 115.8#
121 0.0 23.8 35.8#

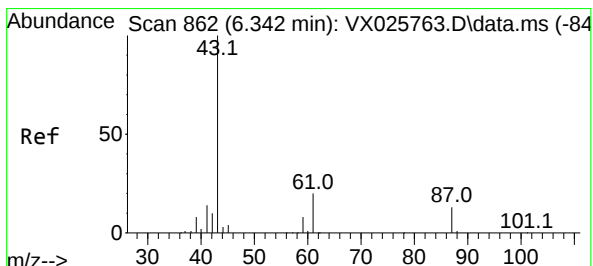
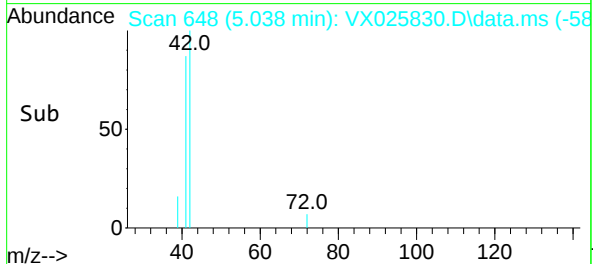
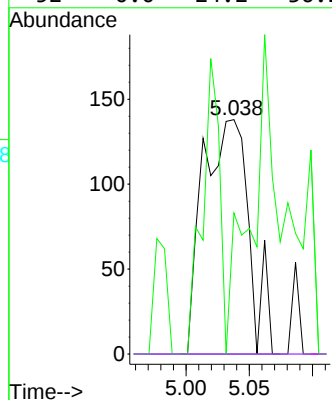
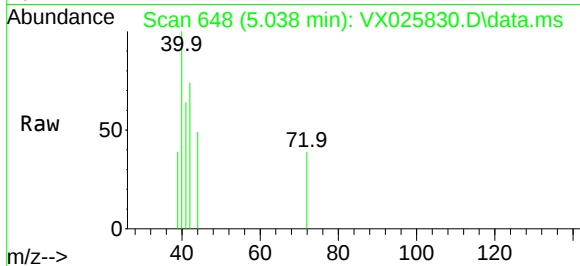




#41
Methacrylonitrile
Concen: 0.254 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.116 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

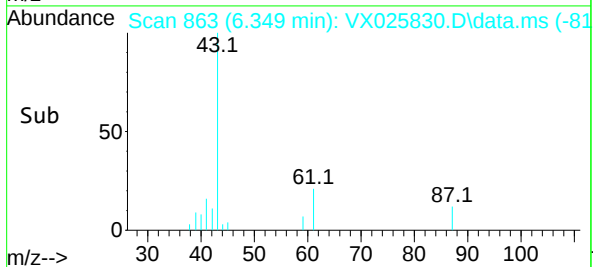
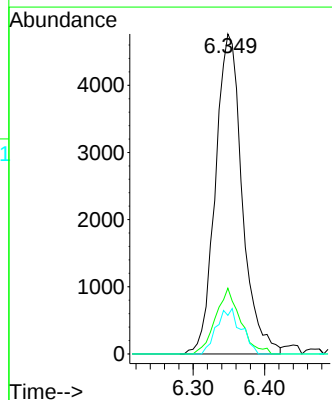
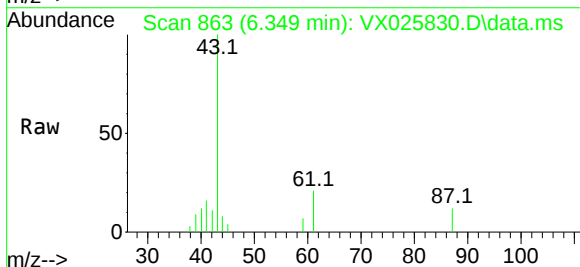
Instrument :
MSVOA_X
ClientSampleId :
CS-1

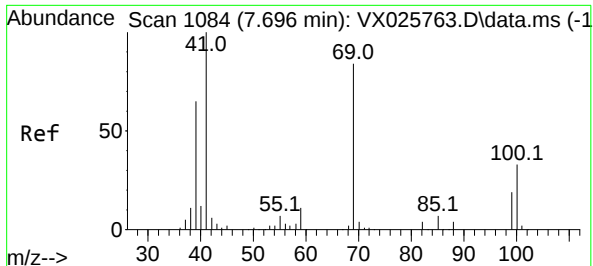
Tgt Ion: 41	Resp:	350
Ion	Ratio	Lower Upper
41	100	
39	47.1	44.2 66.2
67	0.0	59.7 89.5#
52	0.0	24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.089 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

Tgt Ion: 43	Resp:	12395
Ion	Ratio	Lower Upper
43	100	
61	19.1	15.7 23.5
87	12.9	11.2 16.8





#48

Methyl methacrylate

Concen: 2.212 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.098 min

Lab File: VX025830.D

Acq: 15 Dec 2021 21:21

Instrument :

MSVOA_X

ClientSampleId :

CS-1

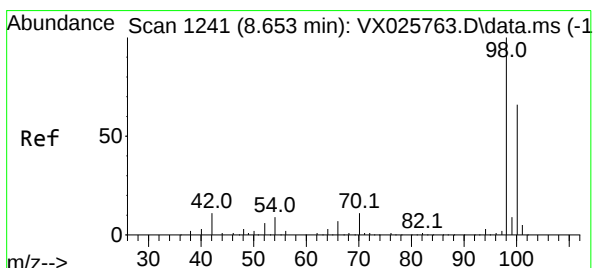
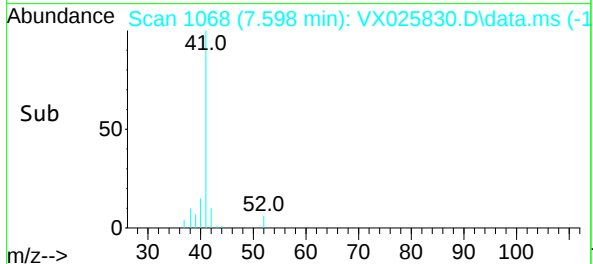
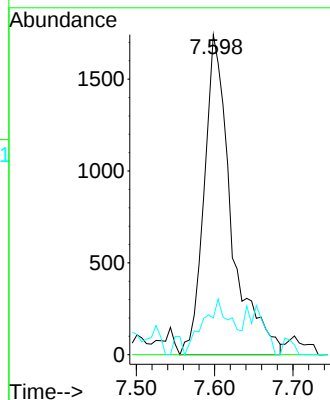
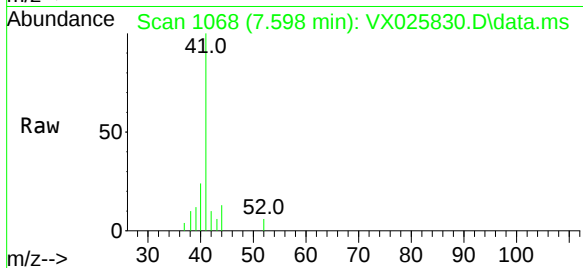
Tgt Ion: 41 Resp: 4181

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

39 0.0 50.2 75.2#



#50

Toluene-d8

Concen: 47.910 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025830.D

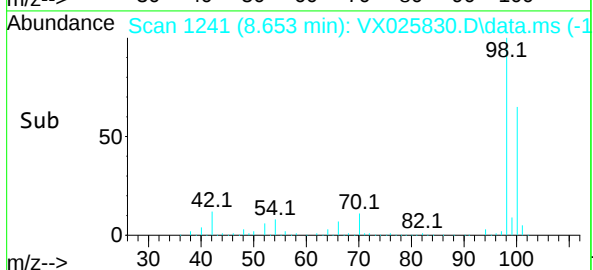
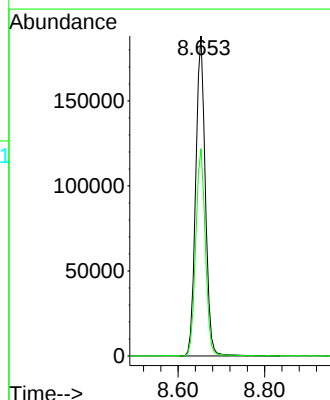
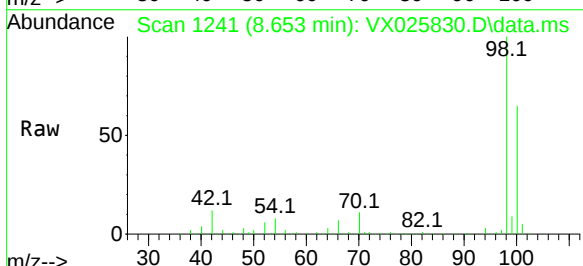
Acq: 15 Dec 2021 21:21

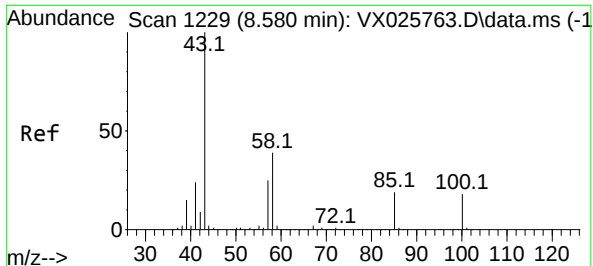
Tgt Ion: 98 Resp: 288578

Ion Ratio Lower Upper

98 100

100 65.2 52.6 78.8

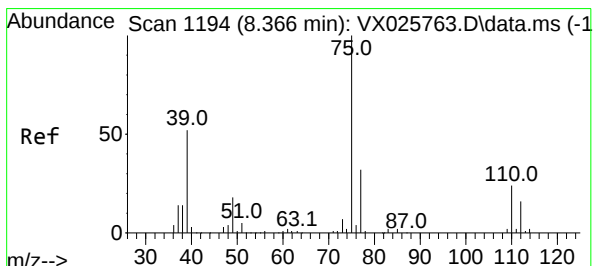
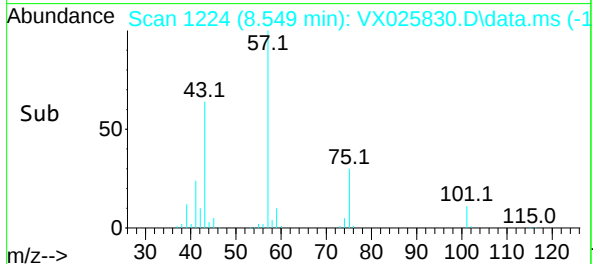
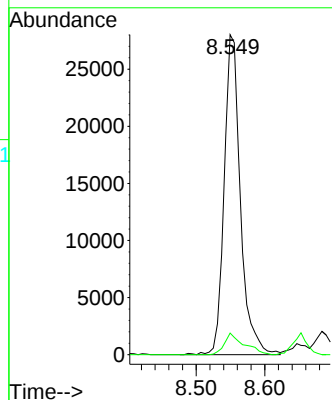
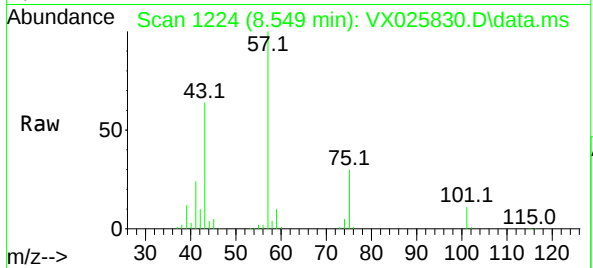




#51
4-Methyl-2-Pentanone
Concen: 17.514 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

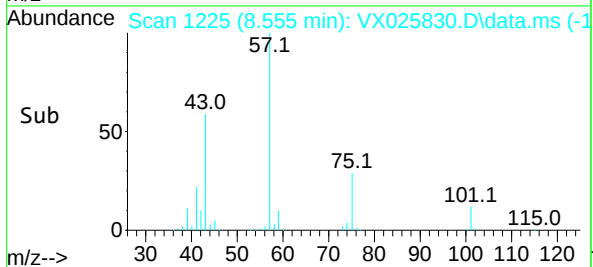
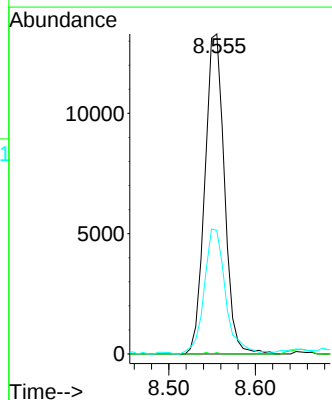
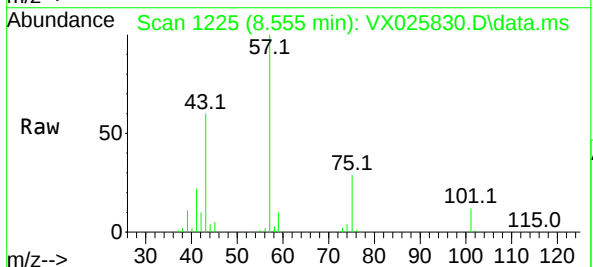
Instrument :
MSVOA_X
ClientSampleId :
CS-1

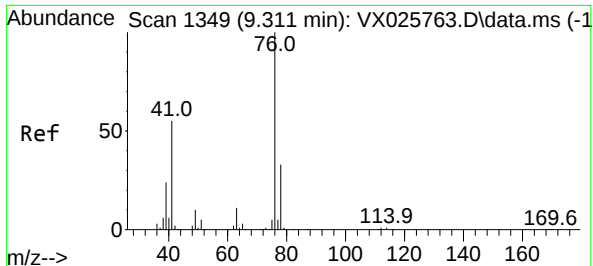
Tgt Ion: 43 Resp: 46007
Ion Ratio Lower Upper
43 100
58 8.2 30.8 46.2#



#54
cis-1,3-Dichloropropene
Concen: 7.727 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.189 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

Tgt Ion: 75 Resp: 20842
Ion Ratio Lower Upper
75 100
77 0.4 25.3 37.9#
39 38.6 41.4 62.0#





#57

1,3-Dichloropropane

Concen: 4.074 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX025830.D

Acq: 15 Dec 2021 21:21

Instrument :

MSVOA_X

ClientSampleId :

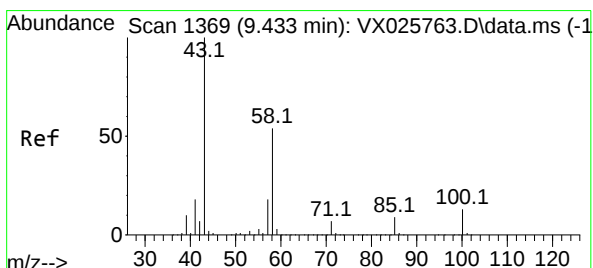
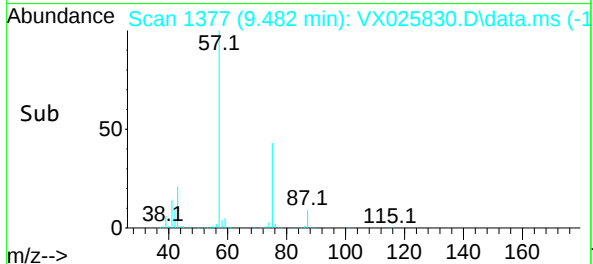
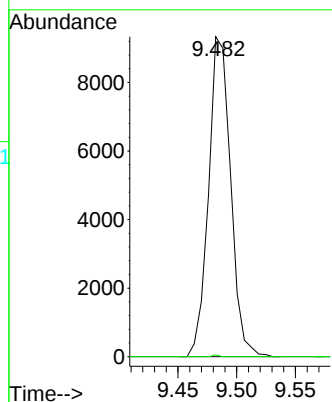
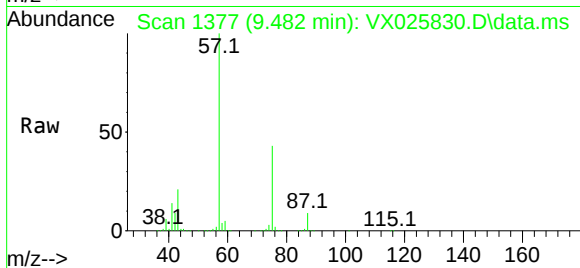
CS-1

Tgt Ion: 76 Resp: 12211

Ion Ratio Lower Upper

76 100

78 0.2 26.0 39.0#



#59

2-Hexanone

Concen: 85.421 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX025830.D

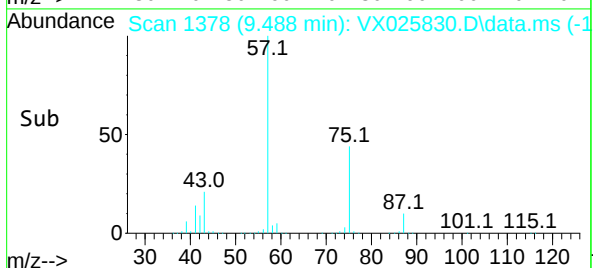
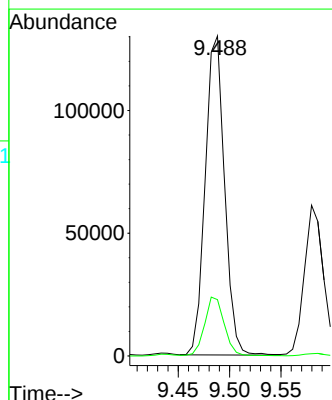
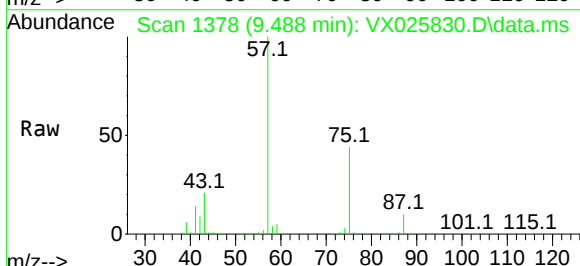
Acq: 15 Dec 2021 21:21

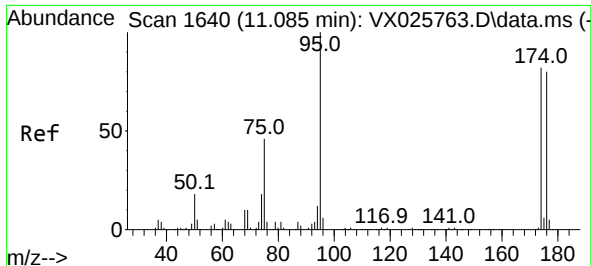
Tgt Ion: 43 Resp: 170020

Ion Ratio Lower Upper

43 100

58 19.0 26.9 80.6#

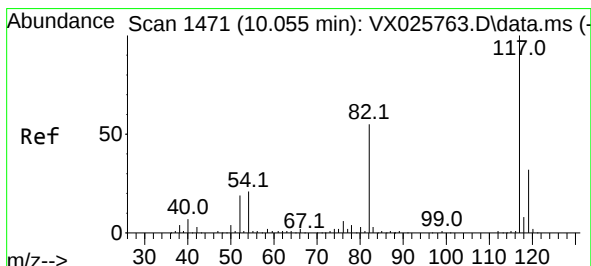
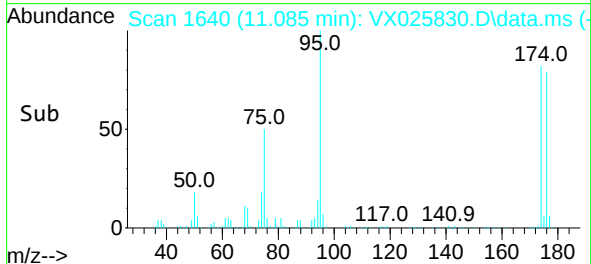
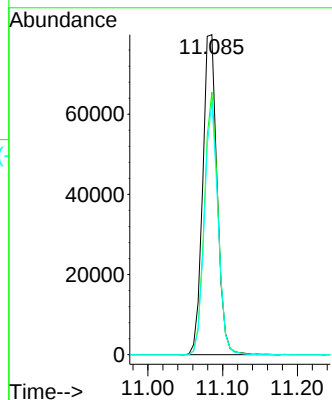
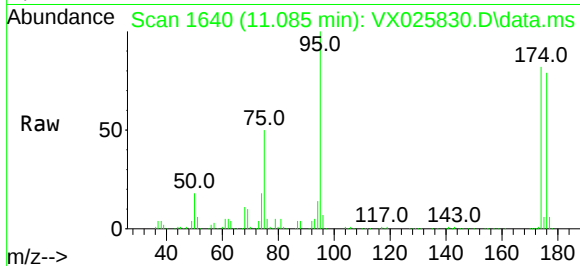




#62
4-Bromofluorobenzene
Concen: 46.708 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

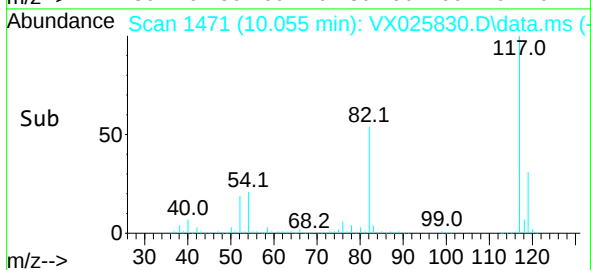
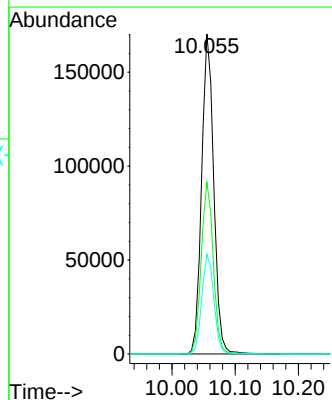
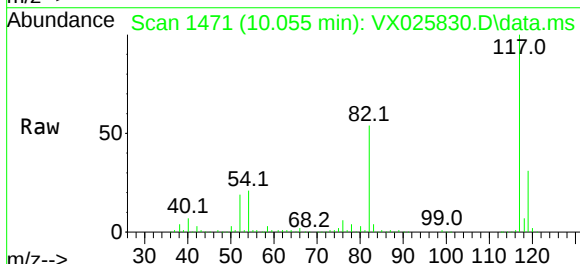
Instrument :
MSVOA_X
ClientSampleId :
CS-1

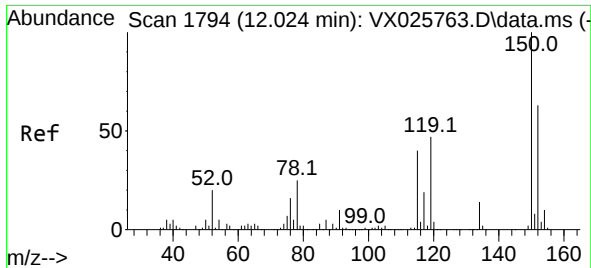
Tgt Ion: 95 Resp: 106870
Ion Ratio Lower Upper
95 100
174 78.3 0.0 157.4
176 74.4 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

Tgt Ion: 117 Resp: 227508
Ion Ratio Lower Upper
117 100
82 53.6 43.8 65.6
119 31.1 25.2 37.8

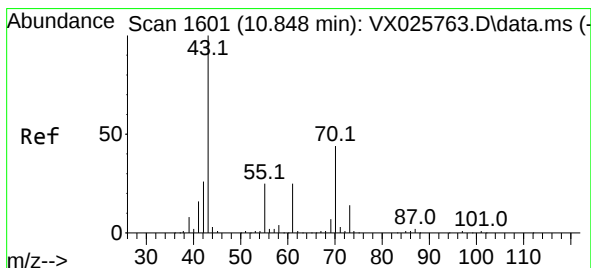
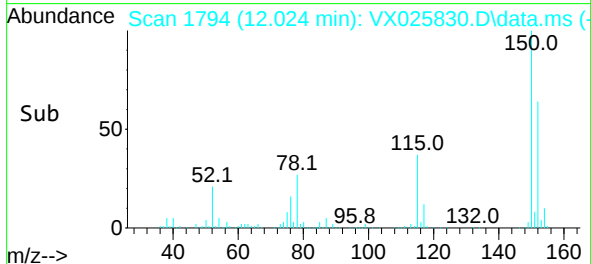
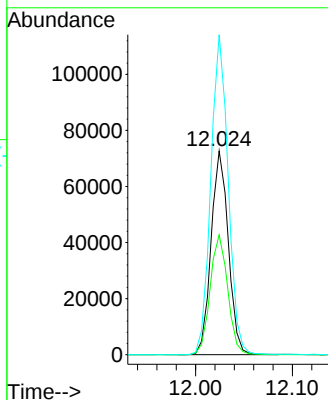
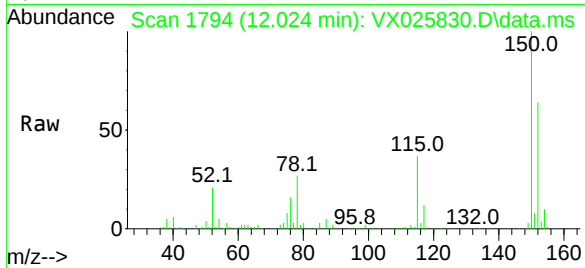




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

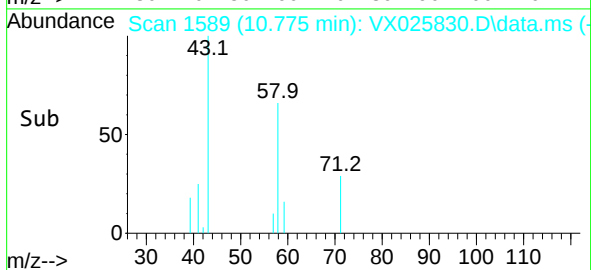
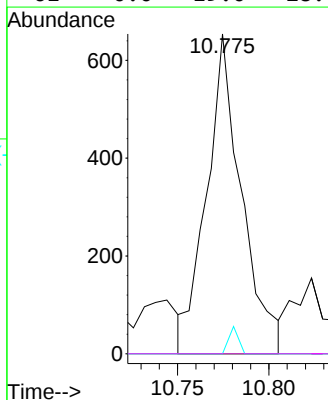
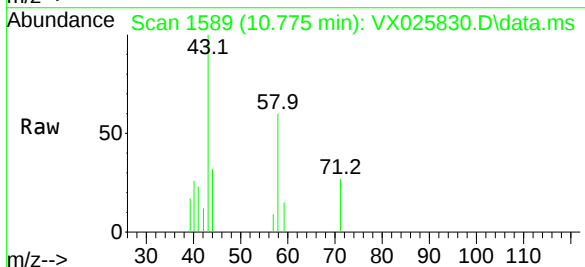
Instrument :
MSVOA_X
ClientSampleId :
CS-1

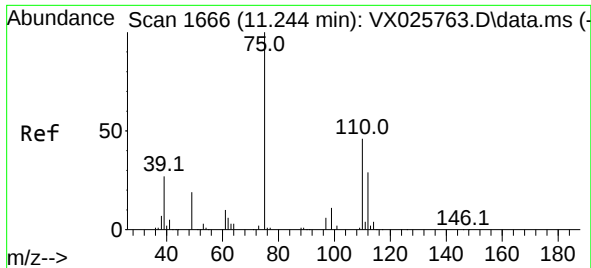
Tgt Ion:152 Resp: 89977
Ion Ratio Lower Upper
152 100
115 59.9 41.3 123.9
150 158.3 0.0 351.8



#74
N-ethyl acetate
Concen: 0.330 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
70 0.0 34.1 51.1#
55 2.3 19.2 28.8#
61 0.0 19.0 28.4#

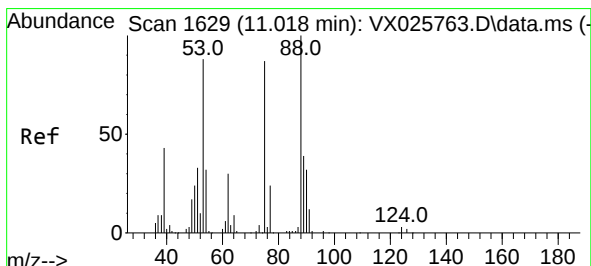
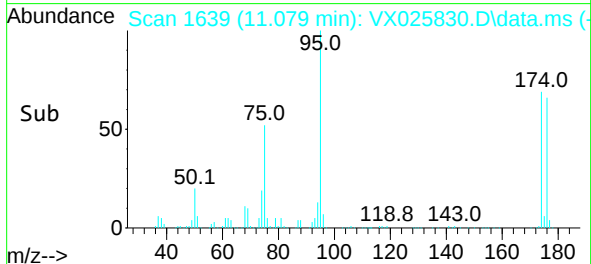
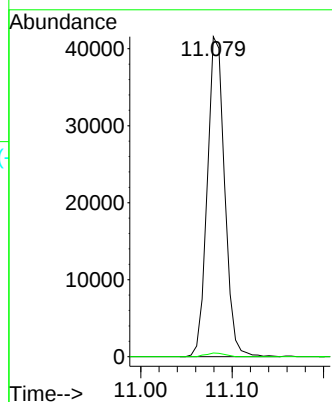
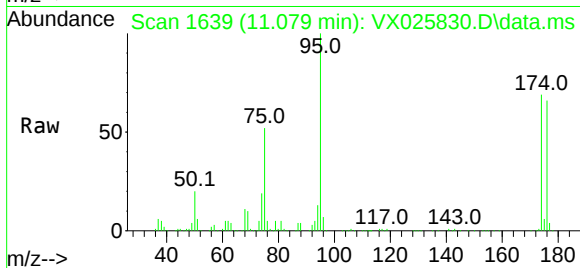




#76
1,2,3-Trichloropropane
Concen: 26.501 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

Instrument :
MSVOA_X
ClientSampleId :
CS-1

Tgt Ion: 75 Resp: 54632
Ion Ratio Lower Upper
75 100
77 1.2 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.159 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025830.D
Acq: 15 Dec 2021 21:21

Tgt Ion: 75 Resp: 54632
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

