

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025821.D
 Acq On : 15 Dec 2021 17:50
 Operator : JC/MD
 Sample : PB141382ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 16 07:30:41 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)

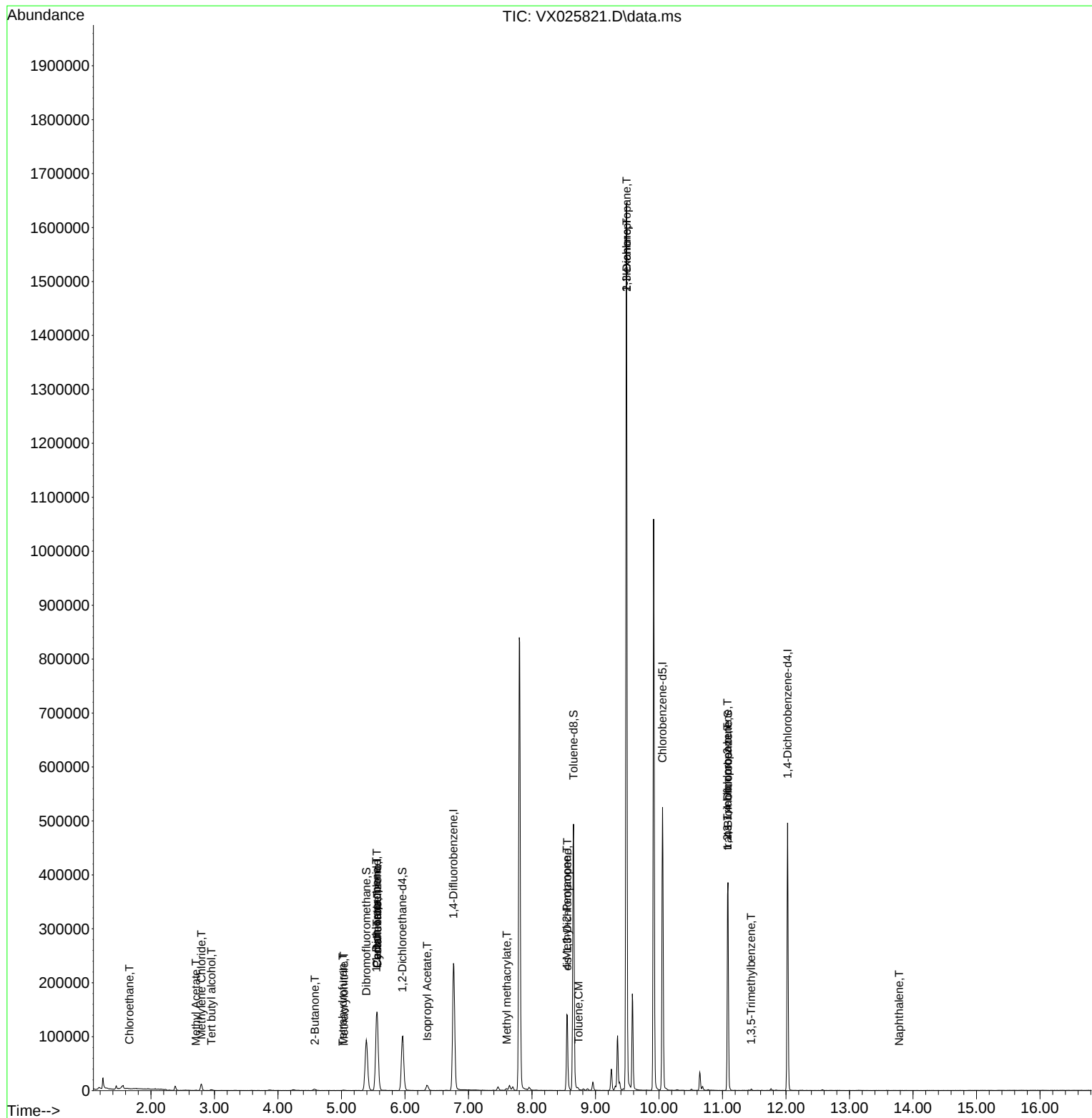
Internal Standards						
1) Pentafluorobenzene	5.562	168	136342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	240577	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96611	49.248	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.500%		
35) Dibromofluoromethane	5.391	113	79361	47.300	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.600%		
50) Toluene-d8	8.653	98	296104	48.437	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.880%		
62) 4-Bromofluorobenzene	11.085	95	104195	44.870	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.740%		
Target Compounds					Qvalue	
6) Chloroethane	1.660	64	386	0.316	ug/l #	42
11) Tert butyl alcohol	2.953	59	1258	3.197	ug/l #	78
16) Acetone	2.380	43	7720	Below Cal		99
18) Methyl Acetate	2.709	43	678	0.227	ug/l	94
20) Methylene Chloride	2.794	84	5257	0.750	ug/l	97
25) 2-Butanone	4.581	43	4278	3.242	ug/l	93
29) Tetrahydrofuran	5.019	42	250	0.298	ug/l #	32
31) Cyclohexane	5.562	56	3155	1.323	ug/l #	30
36) 1,1-Dichloropropene	5.550	75	10925	4.802	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14783	5.584	ug/l #	16
41) Methacrylonitrile	5.038	41	327	0.234	ug/l #	48
43) Isopropyl Acetate	6.348	43	13000	3.192	ug/l	98
48) Methyl methacrylate	7.604	41	4780	2.492	ug/l #	12
51) 4-Methyl-2-Pentanone	8.549	43	49441	18.544	ug/l #	50
52) Toluene	8.732	92	1010	0.234	ug/l	98
54) cis-1,3-Dichloropropene	8.555	75	23009	8.405	ug/l #	66
57) 1,3-Dichloropropane	9.488	76	13718	4.510	ug/l #	43
59) 2-Hexanone	9.488	43	193228	95.655	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	53432	23.826	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	1346	0.228	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	53432	73.867	ug/l #	10
95) Naphthalene	13.780	128	30	2.416	ug/l #	69

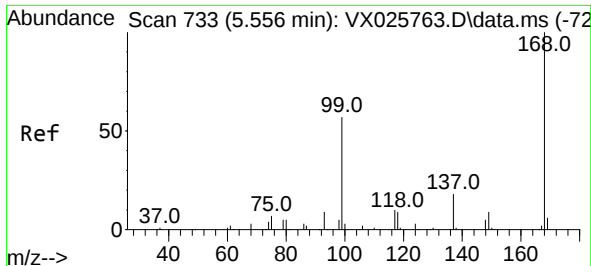
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

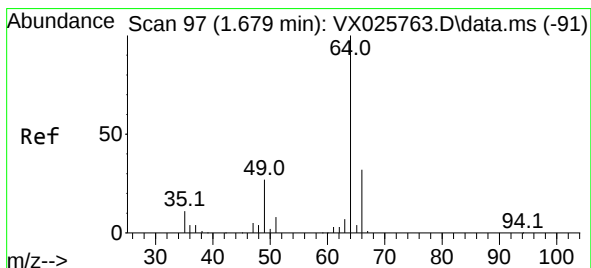
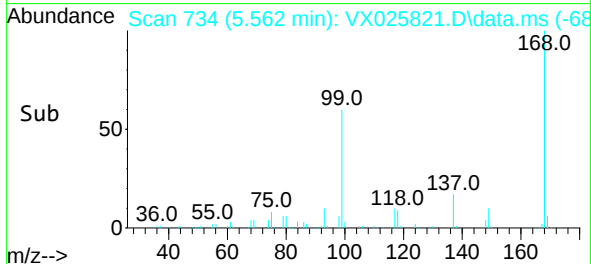
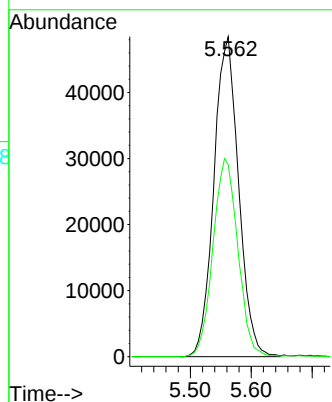
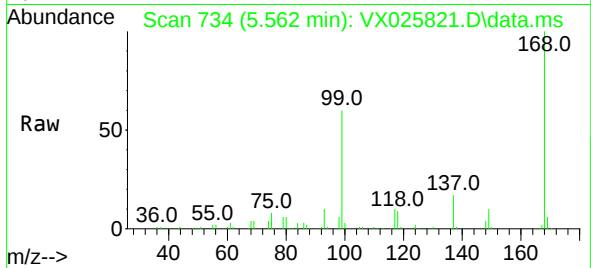




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

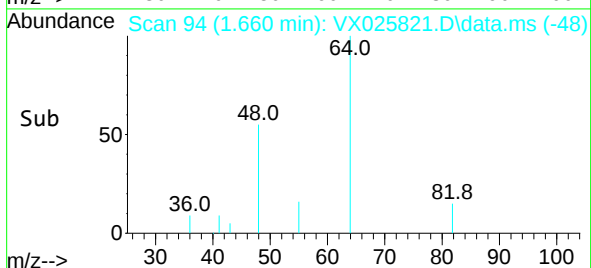
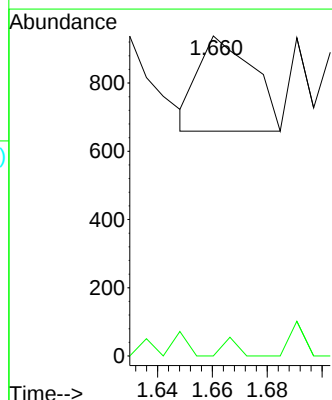
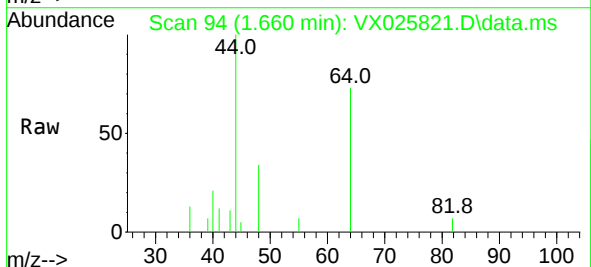
Instrument :
MSVOA_X
ClientSampleId :

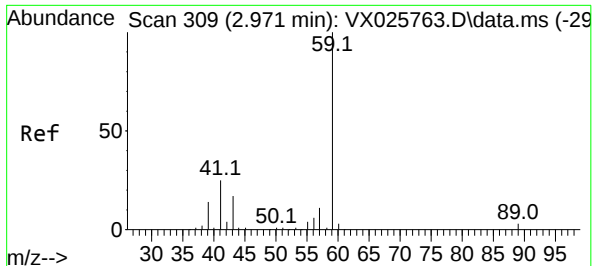
Tgt Ion:168 Resp: 136342
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.8



#6
Chloroethane
Concen: 0.316 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

Tgt Ion: 64 Resp: 386
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 3.197 ug/l

RT: 2.953 min Scan# 309

Delta R.T. -0.018 min

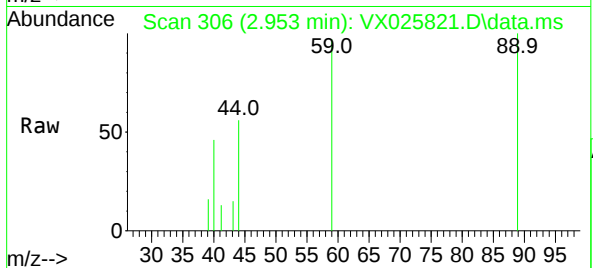
Lab File: VX025821.D

Acq: 15 Dec 2021 17:50

Instrument :

MSVOA_X

ClientSampleId :

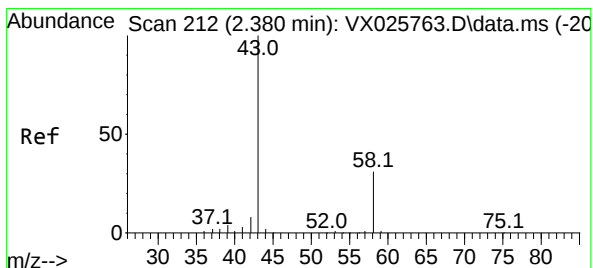
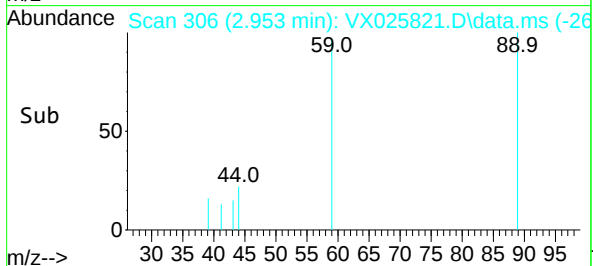
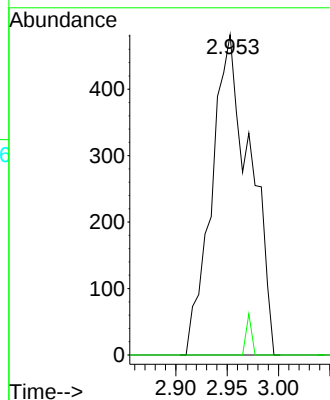


Tgt Ion: 59 Resp: 1258

Ion Ratio Lower Upper

59 100

57 1.8 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025821.D

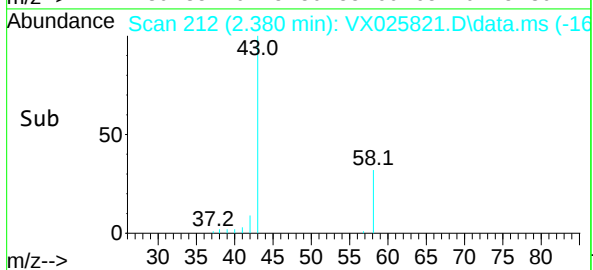
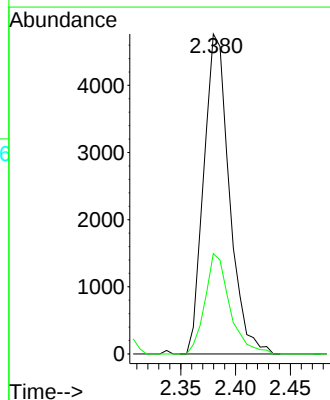
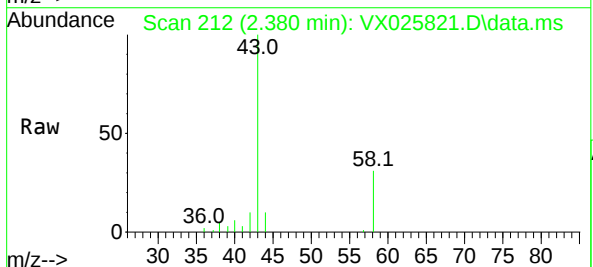
Acq: 15 Dec 2021 17:50

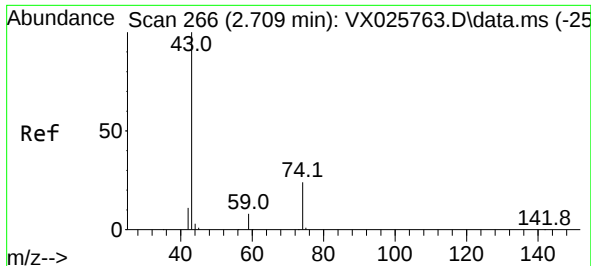
Tgt Ion: 43 Resp: 7720

Ion Ratio Lower Upper

43 100

58 31.3 24.8 37.2





#18

Methyl Acetate

Concen: 0.227 ug/l

RT: 2.709 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX025821.D

Acq: 15 Dec 2021 17:50

Instrument :

MSVOA_X

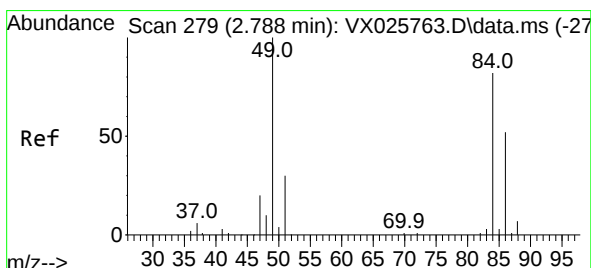
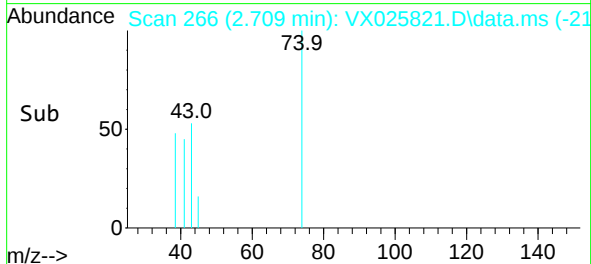
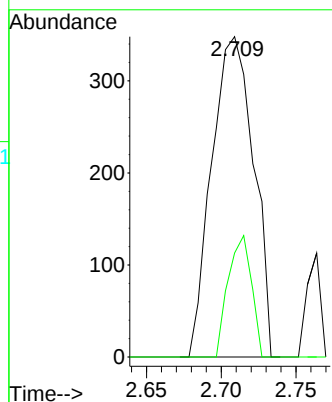
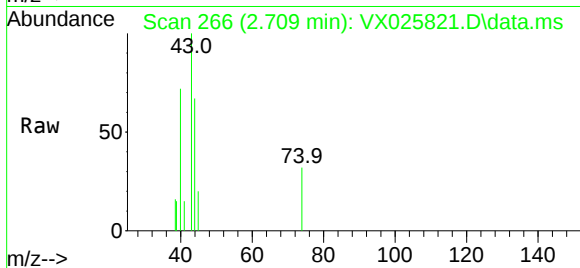
ClientSampleId :

Tgt Ion: 43 Resp: 678

Ion Ratio Lower Upper

43 100

74 21.1 19.1 28.7



#20

Methylene Chloride

Concen: 0.750 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX025821.D

Acq: 15 Dec 2021 17:50

Tgt Ion: 84 Resp: 5257

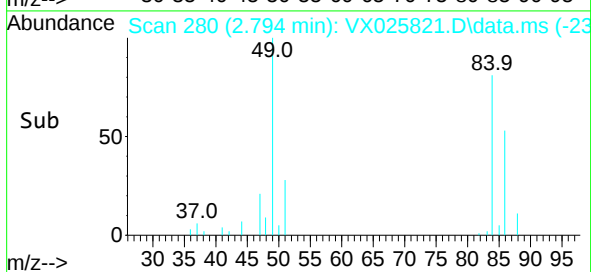
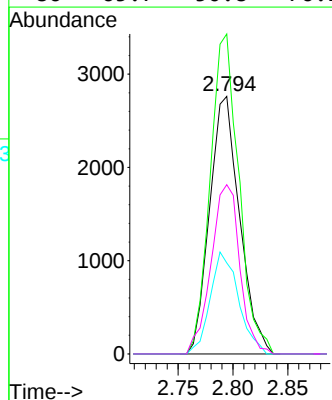
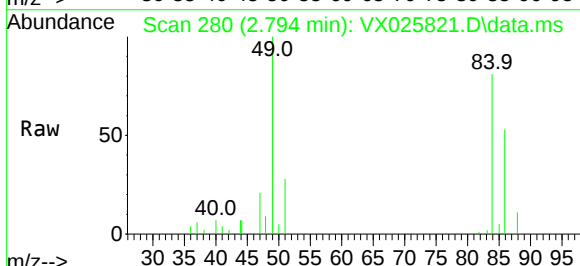
Ion Ratio Lower Upper

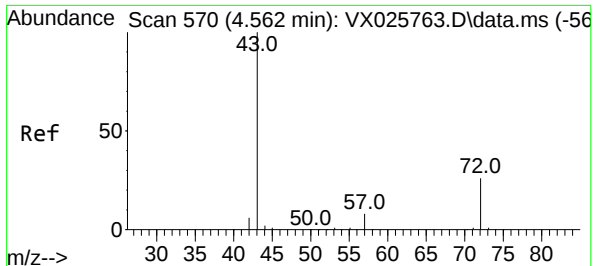
84 100

49 124.2 97.1 145.7

51 35.3 29.3 43.9

86 65.7 50.8 76.2

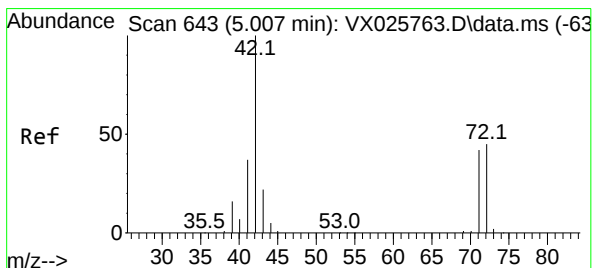
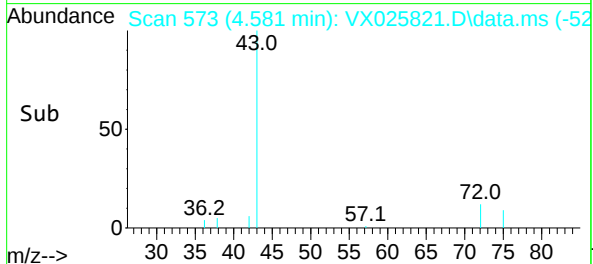
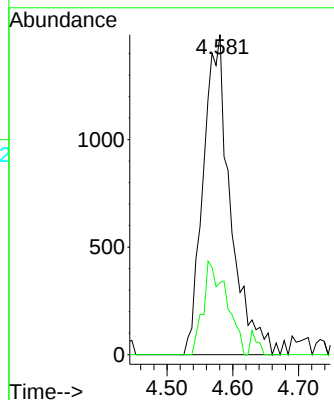
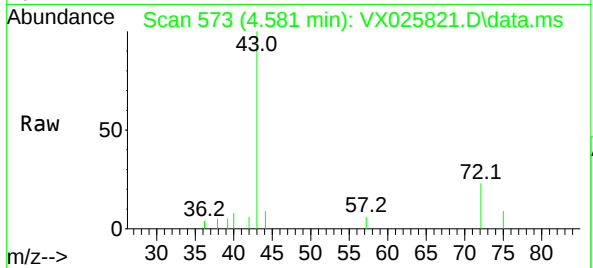




#25
2-Butanone
Concen: 3.242 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

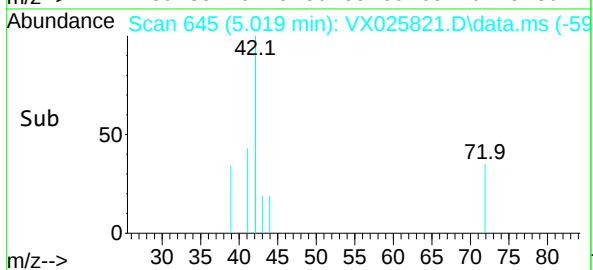
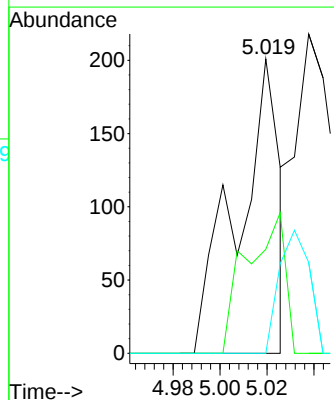
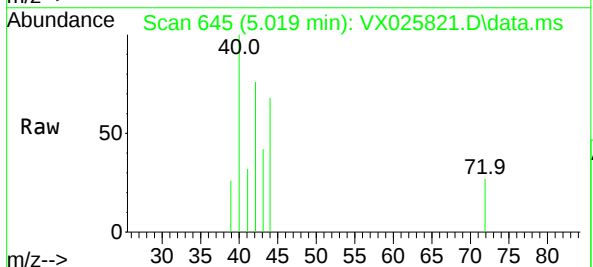
Instrument :
MSVOA_X
ClientSampleId :

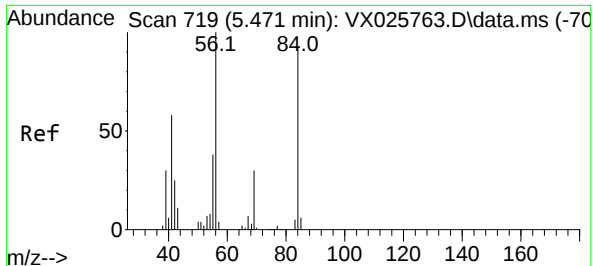
Tgt Ion: 43 Resp: 4278
Ion Ratio Lower Upper
43 100
72 22.5 21.0 31.4



#29
Tetrahydrofuran
Concen: 0.298 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.012 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

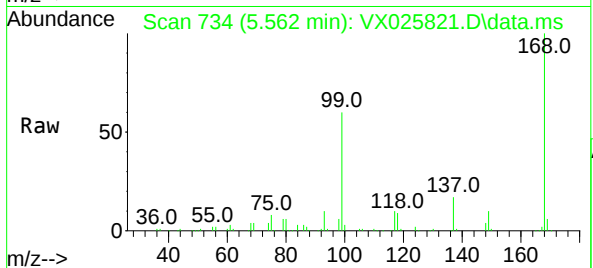
Tgt Ion: 42 Resp: 250
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.6#
71 0.0 34.1 51.1#



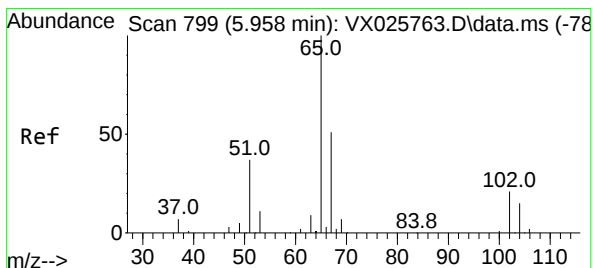
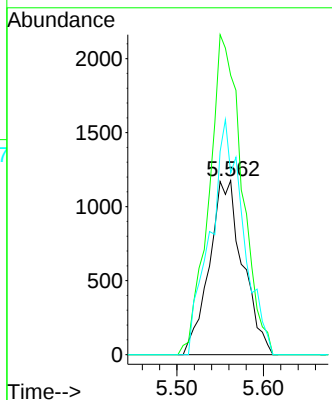
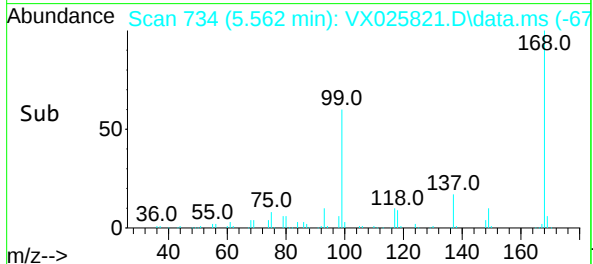


#31
Cyclohexane
Concen: 1.323 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

Instrument :
MSVOA_X
ClientSampleId :

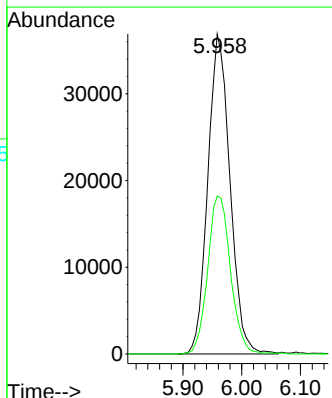
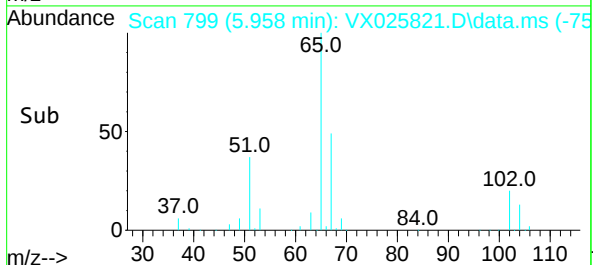
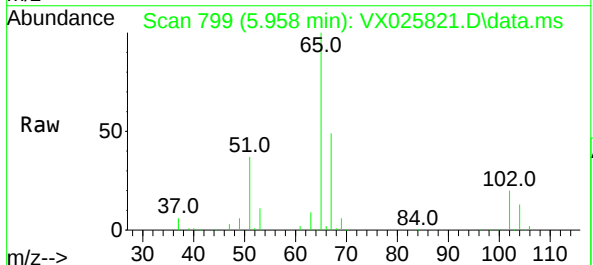


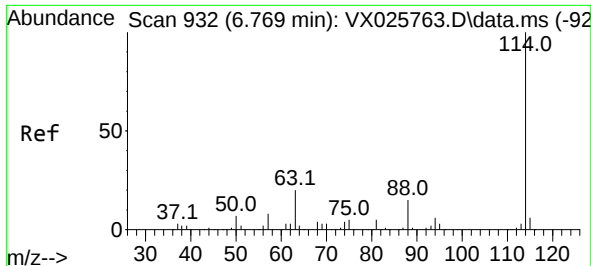
Tgt Ion: 56 Resp: 3155
Ion Ratio Lower Upper
56 100
69 160.5 23.9 35.9#
84 104.3 73.2 109.8



#33
1,2-Dichloroethane-d4
Concen: 49.248 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

Tgt Ion: 65 Resp: 96611
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.4

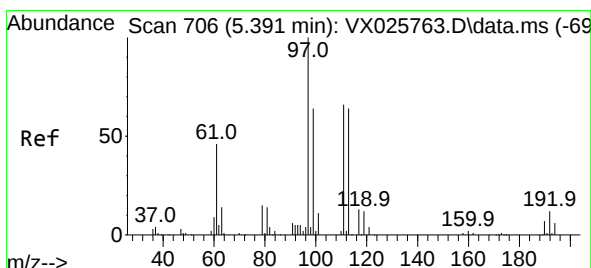
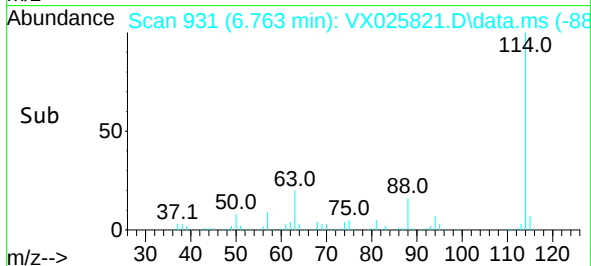
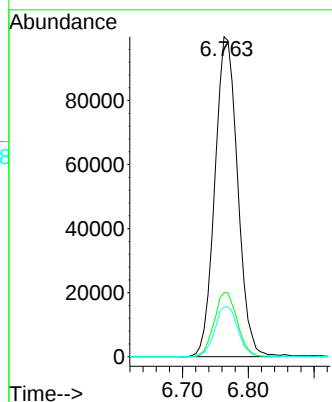
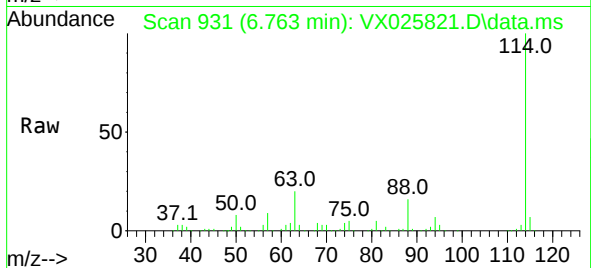




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

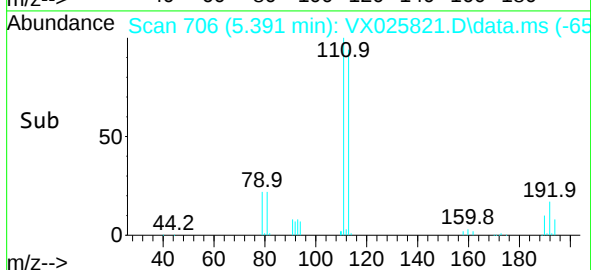
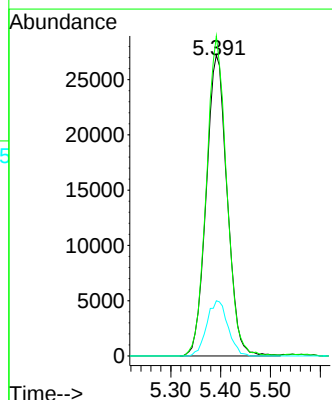
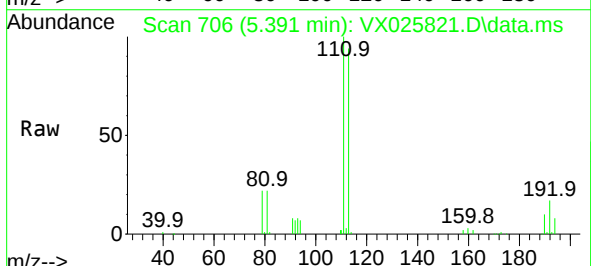
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MSVOA_X
ClientSampleId :

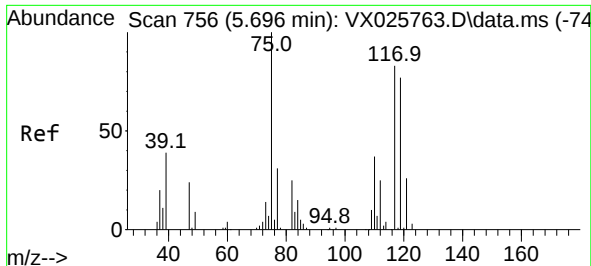
Tgt Ion:114 Resp: 240577
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.0
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.300 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

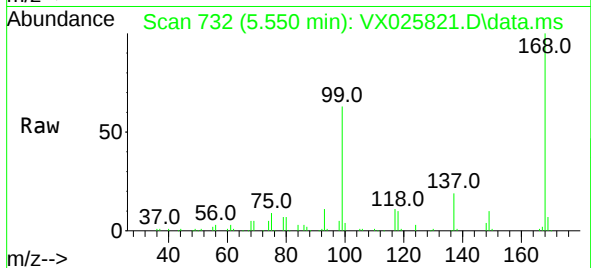
Tgt Ion:113 Resp: 79361
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.8
192 18.5 15.0 22.4



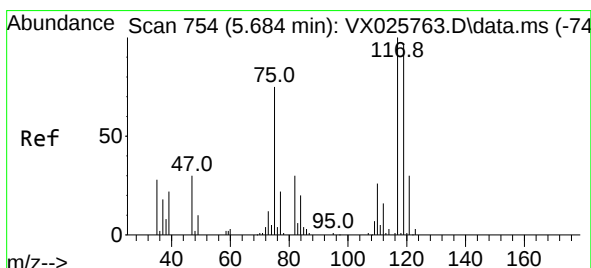
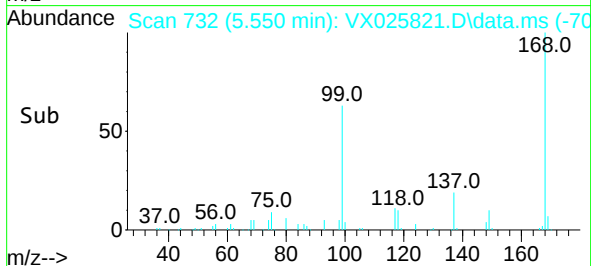
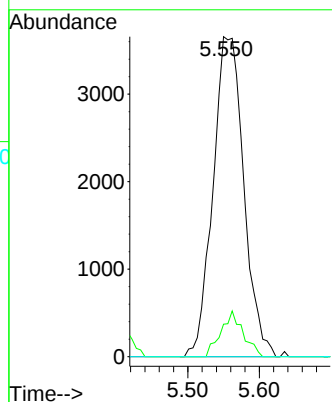


#36
1,1-Dichloropropene
Concen: 4.802 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

Instrument :
MSVOA_X
ClientSampleId :

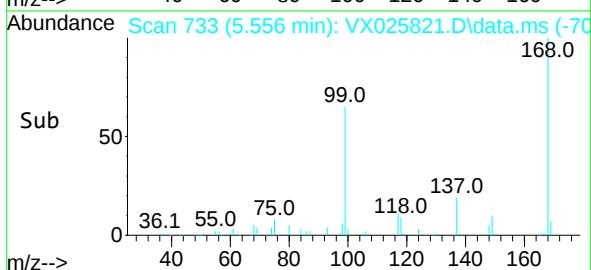
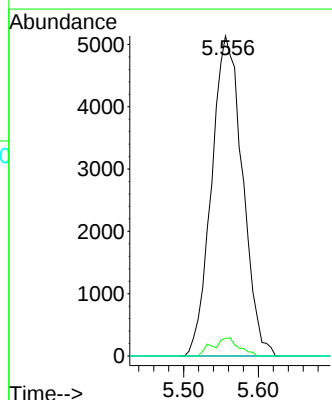
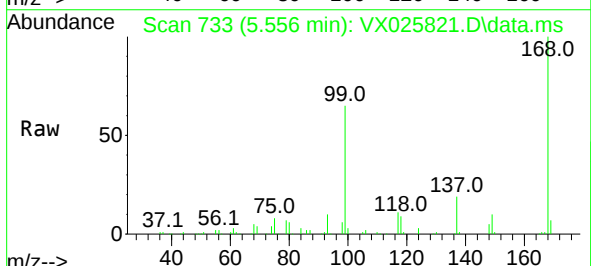


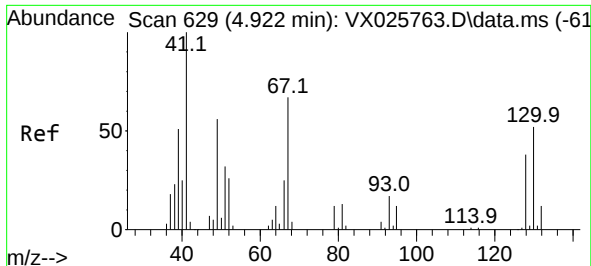
Tgt Ion: 75 Resp: 10925
Ion Ratio Lower Upper
75 100
110 10.3 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.584 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

Tgt Ion: 117 Resp: 14783
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 23.8 35.8#



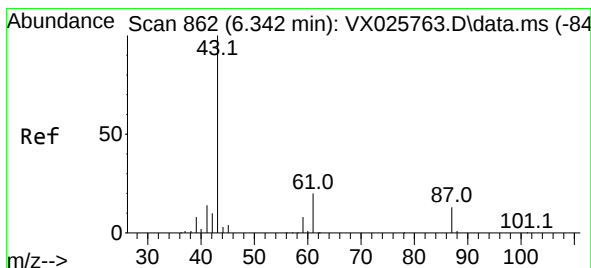
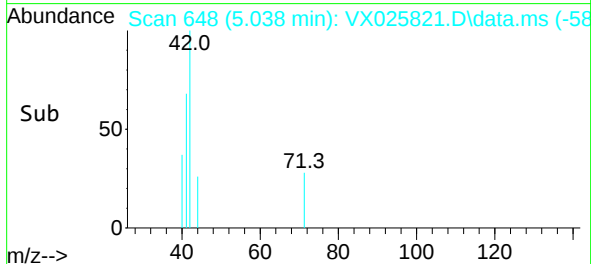
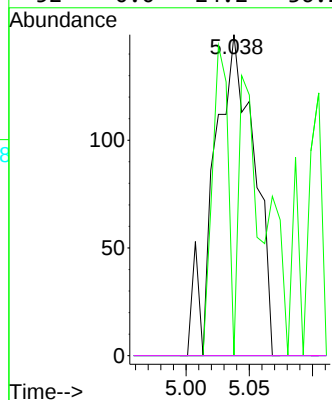
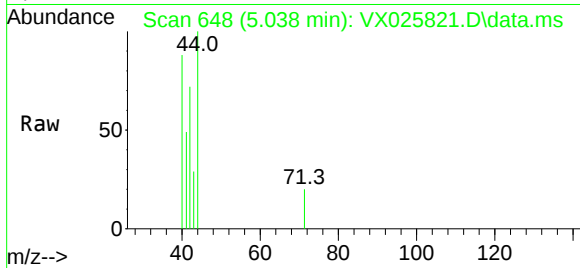


#41
Methacrylonitrile
Concen: 0.234 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.116 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 41 Resp: 327

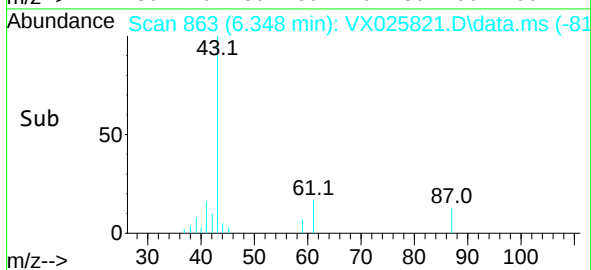
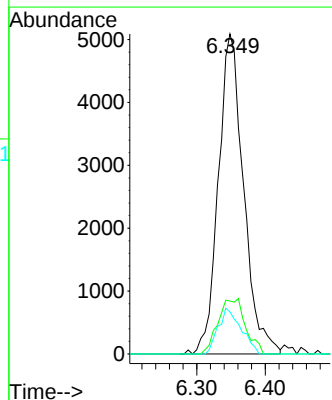
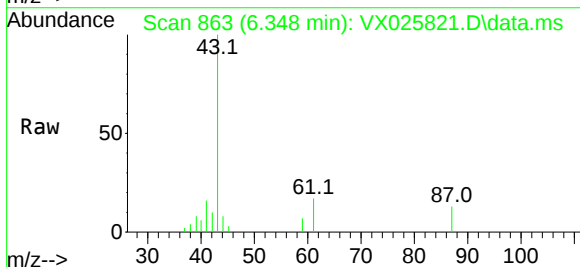
Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.2	66.2
67	0.0	59.7	89.5#
52	0.0	24.2	36.2#

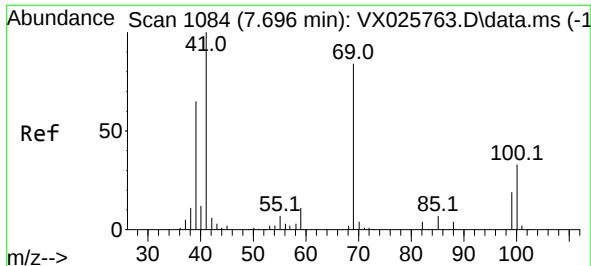


#43
Isopropyl Acetate
Concen: 3.192 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

Tgt Ion: 43 Resp: 13000

Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.7	23.5
87	12.9	11.2	16.8

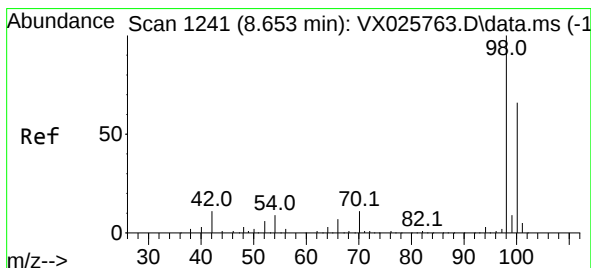
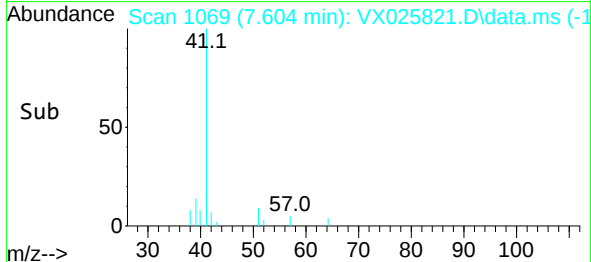
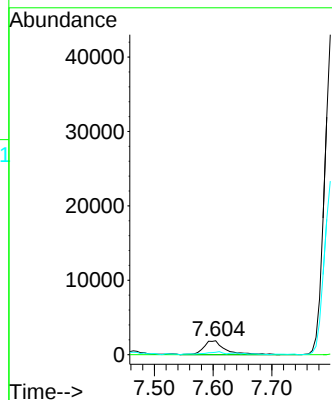
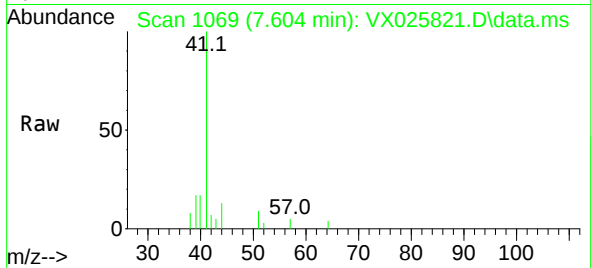




#48
Methyl methacrylate
Concen: 2.492 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.091 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

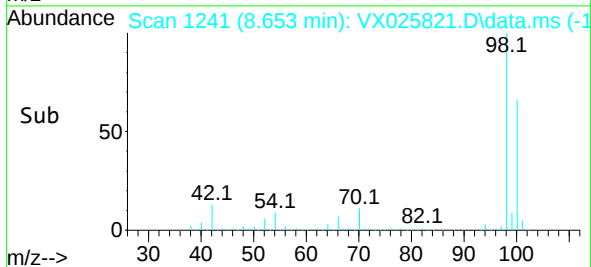
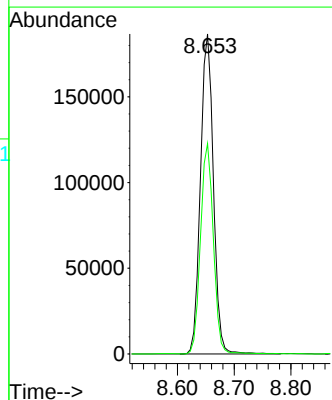
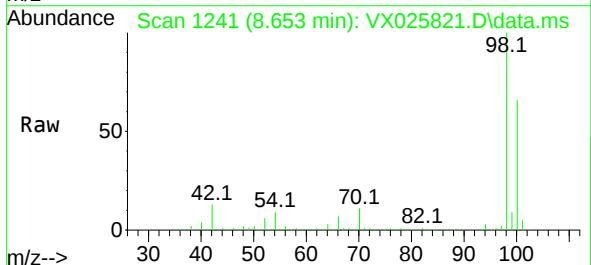
Instrument :
MSVOA_X
ClientSampleId :

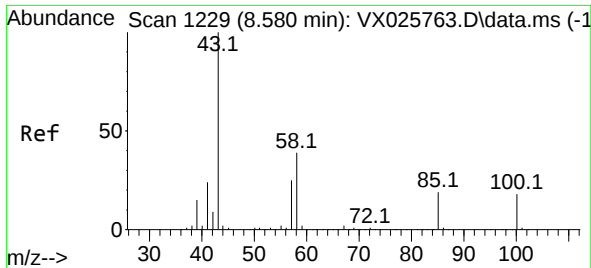
Tgt Ion: 41 Resp: 4780
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#



#50
Toluene-d8
Concen: 48.437 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

Tgt Ion: 98 Resp: 296104
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8

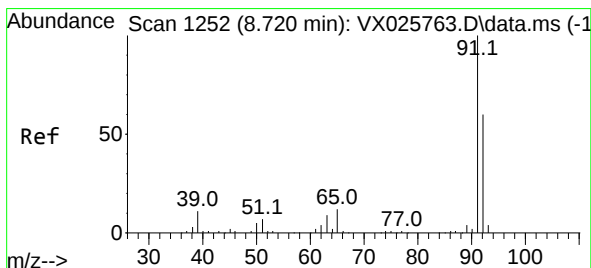
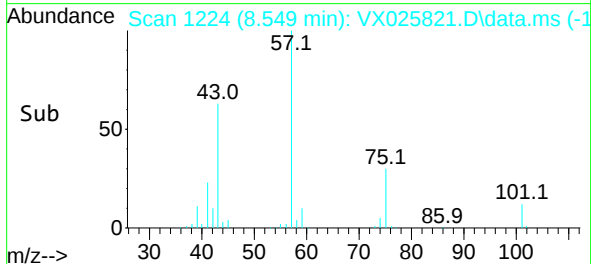
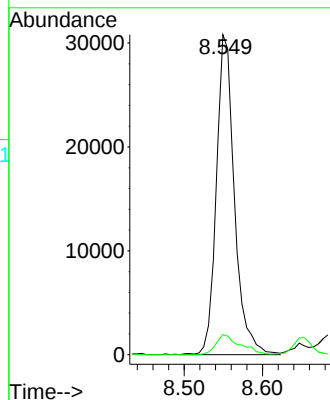
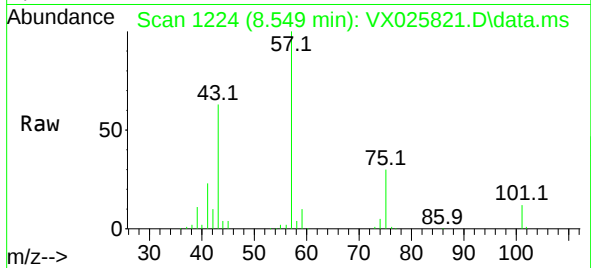




#51
4-Methyl-2-Pentanone
Concen: 18.544 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

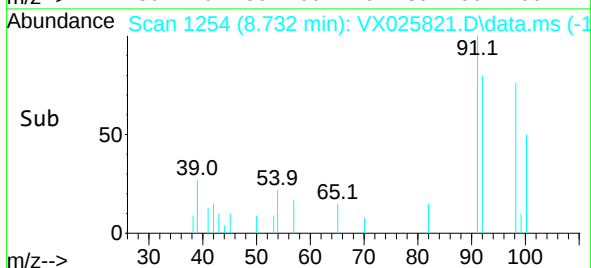
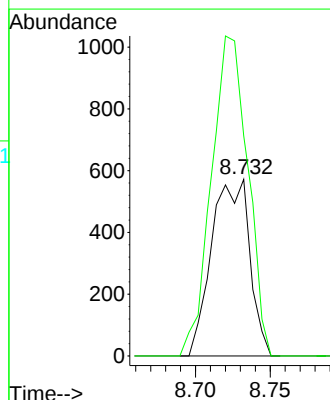
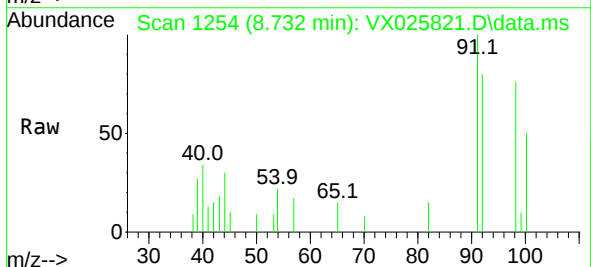
Instrument :
MSVOA_X
ClientSampleId :

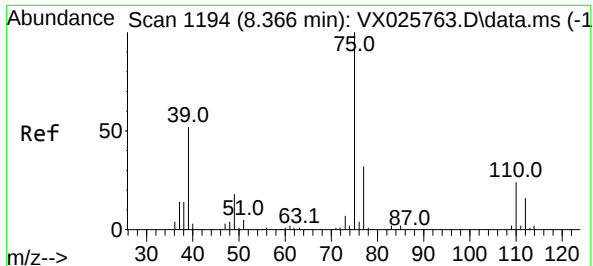
Tgt Ion: 43 Resp: 49441
Ion Ratio Lower Upper
43 100
58 8.4 30.8 46.2#



#52
Toluene
Concen: 0.234 ug/l
RT: 8.732 min Scan# 1254
Delta R.T. 0.012 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

Tgt Ion: 92 Resp: 1010
Ion Ratio Lower Upper
92 100
91 173.4 136.0 204.0

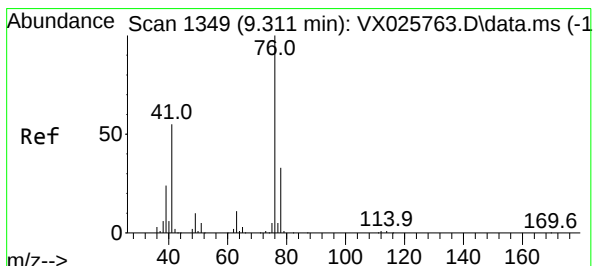
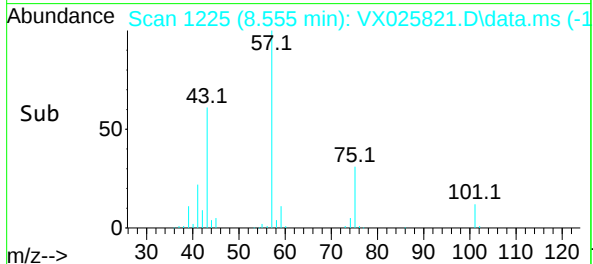
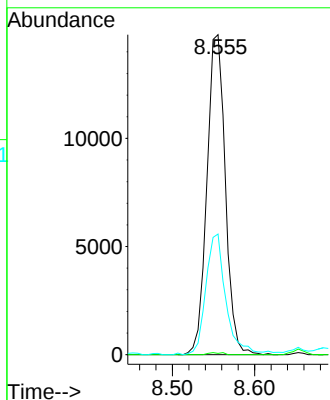
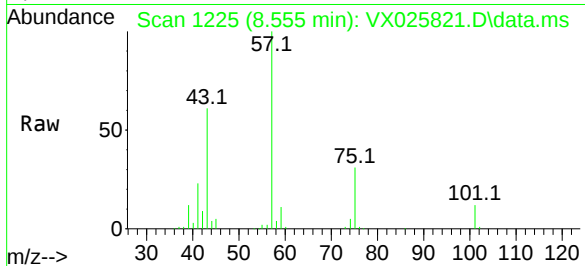




#54
 cis-1,3-Dichloropropene
 Concen: 8.405 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.189 min
 Lab File: VX025821.D
 Acq: 15 Dec 2021 17:50

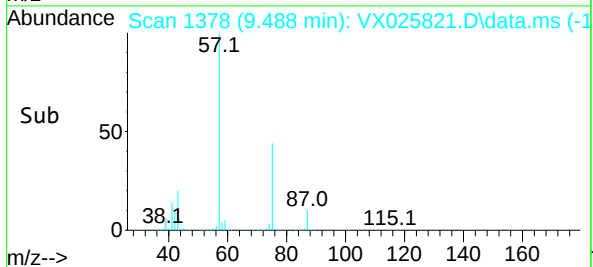
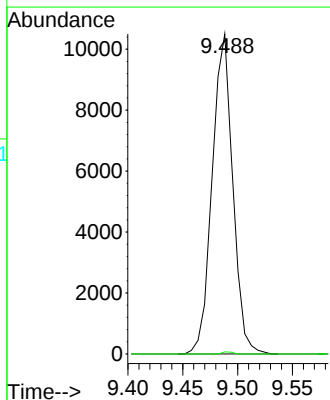
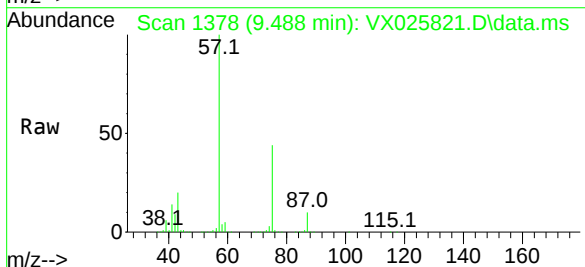
Instrument :
 MSVOA_X
 ClientSampleId :

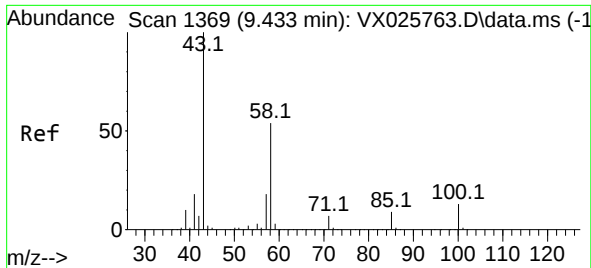
Tgt Ion: 75 Resp: 23009
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 37.2 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 4.510 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX025821.D
 Acq: 15 Dec 2021 17:50

Tgt Ion: 76 Resp: 13718
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.0 39.0#





#59

2-Hexanone

Concen: 95.655 ug/l

RT: 9.488 min Scan# 1

Delta R.T. 0.055 min

Lab File: VX025821.D

Acq: 15 Dec 2021 17:50

Instrument :

MSVOA_X

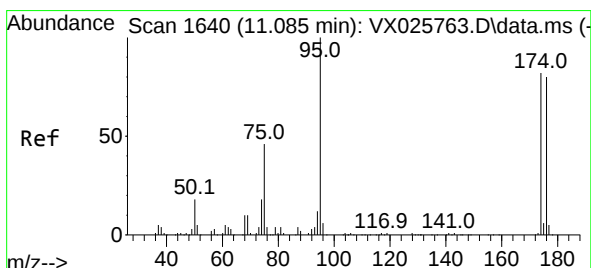
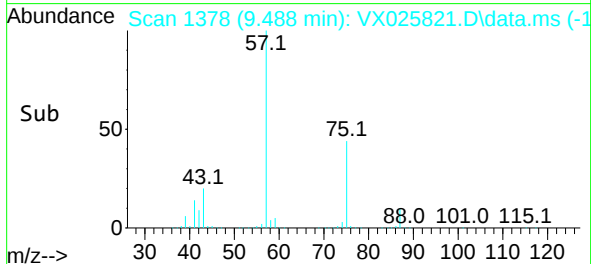
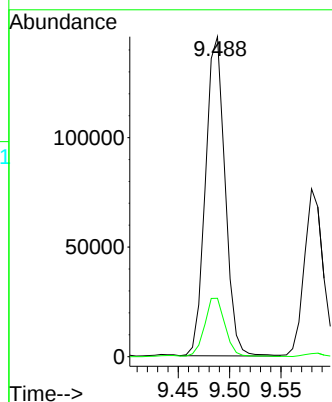
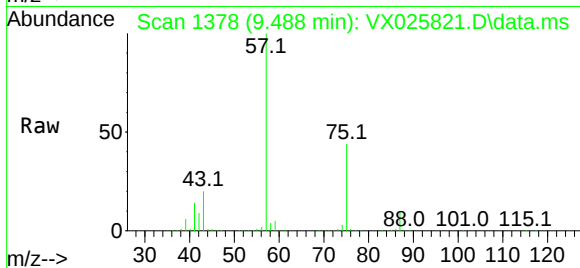
ClientSampleId :

Tgt Ion: 43 Resp: 193228

Ion Ratio Lower Upper

43 100

58 19.3 26.9 80.6#



#62

4-Bromofluorobenzene

Concen: 44.870 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX025821.D

Acq: 15 Dec 2021 17:50

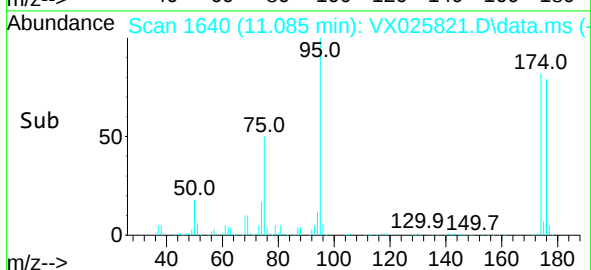
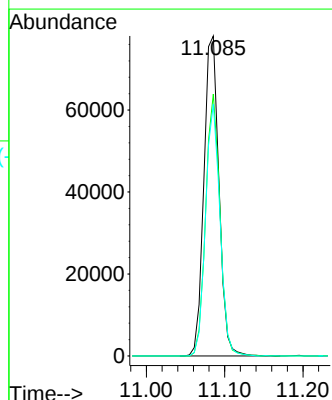
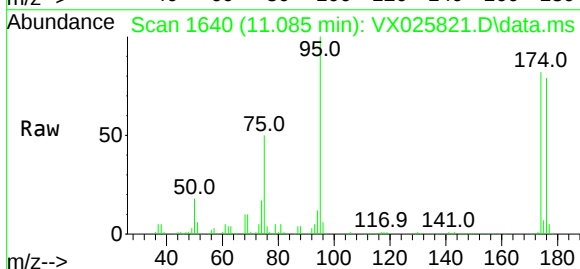
Tgt Ion: 95 Resp: 104195

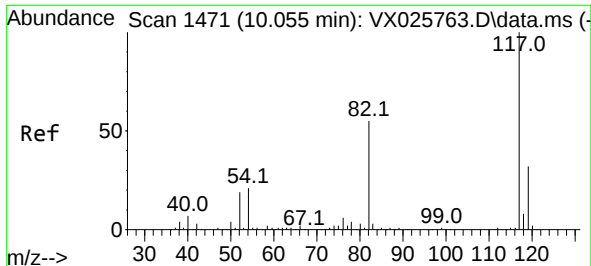
Ion Ratio Lower Upper

95 100

174 77.6 0.0 157.4

176 75.3 0.0 154.6

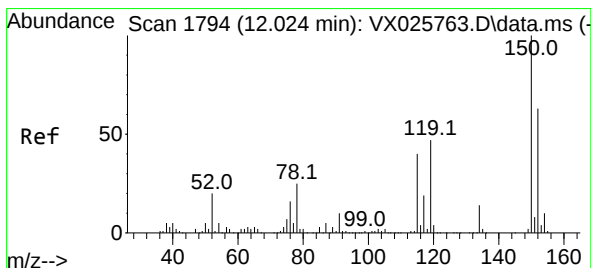
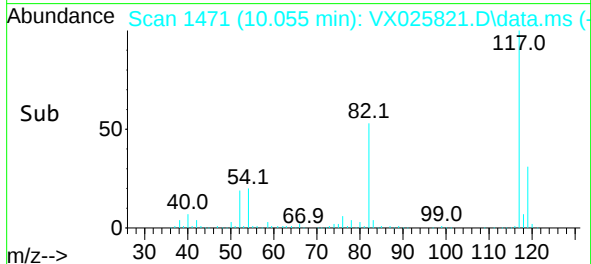
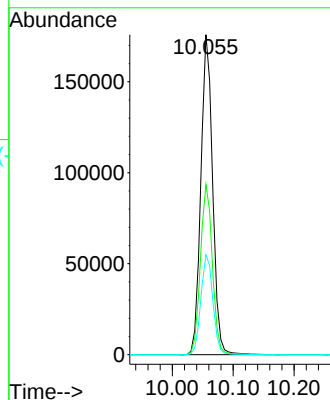
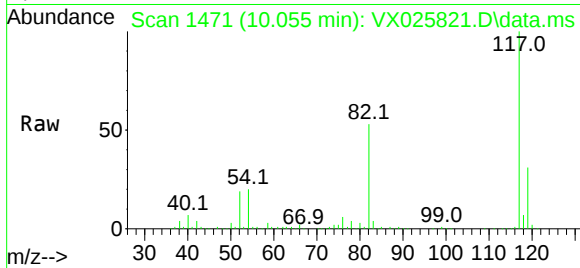




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

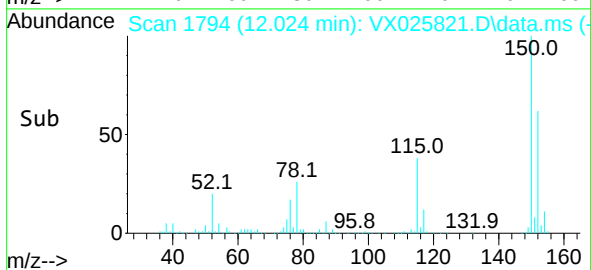
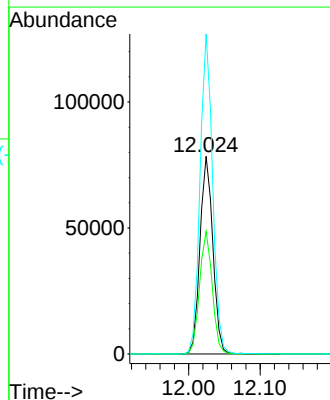
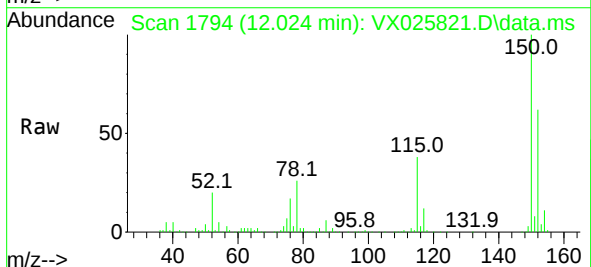
Instrument :
MSVOA_X
ClientSampleId :

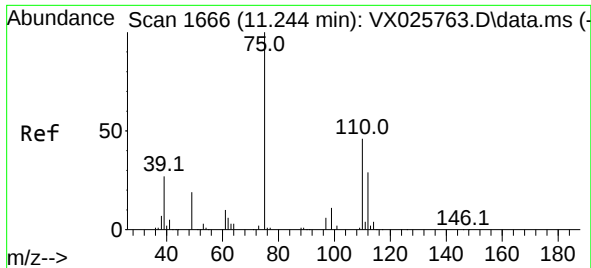
Tgt Ion:117 Resp: 236164
Ion Ratio Lower Upper
117 100
82 53.1 43.8 65.6
119 31.2 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

Tgt Ion:152 Resp: 97880
Ion Ratio Lower Upper
152 100
115 60.9 41.3 123.9
150 157.5 0.0 351.8

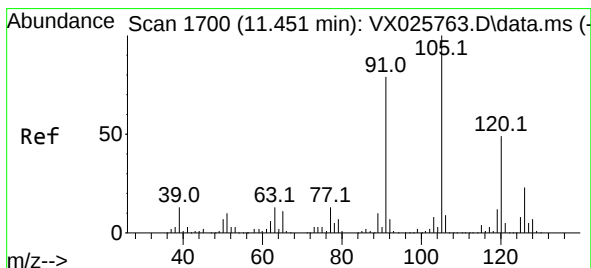
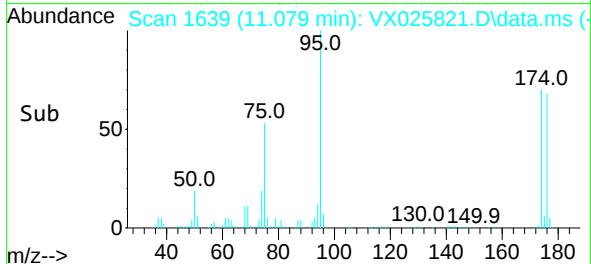
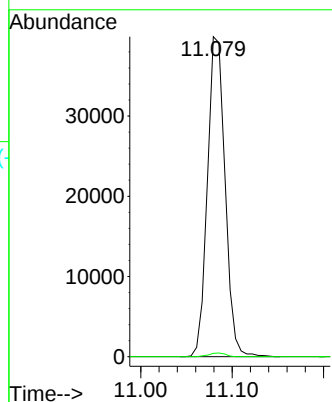
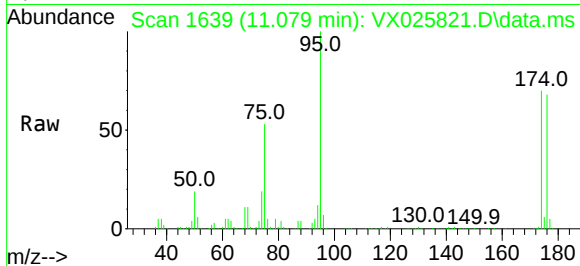




#76
1,2,3-Trichloropropane
Concen: 23.826 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

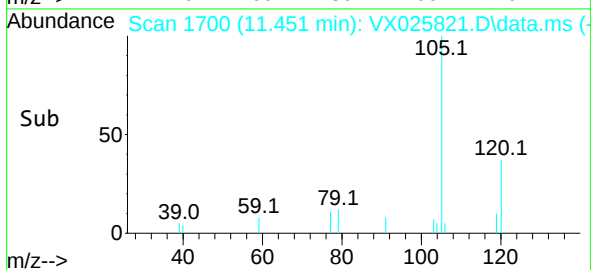
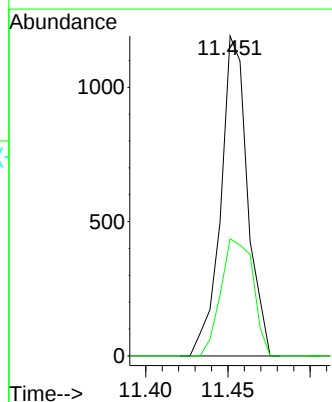
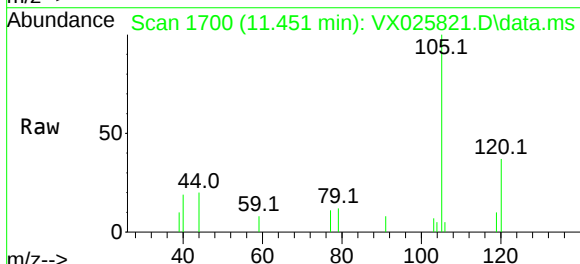
Instrument :
MSVOA_X
ClientSampleId :

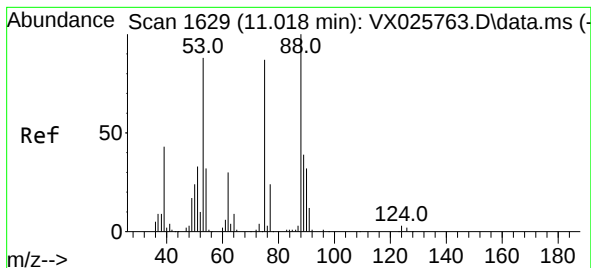
Tgt Ion: 75 Resp: 53432
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.228 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

Tgt Ion: 105 Resp: 1346
Ion Ratio Lower Upper
105 100
120 44.0 24.9 74.7

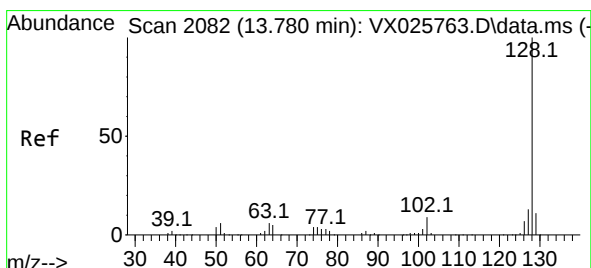
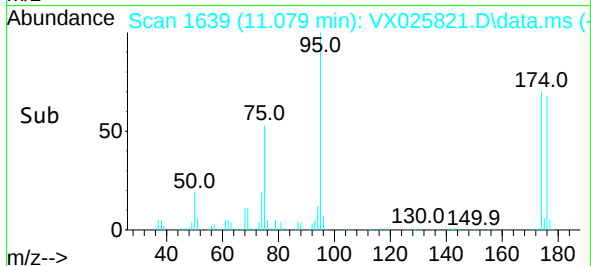
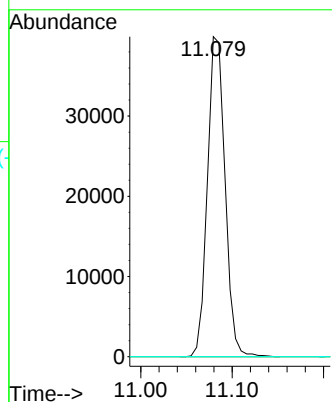
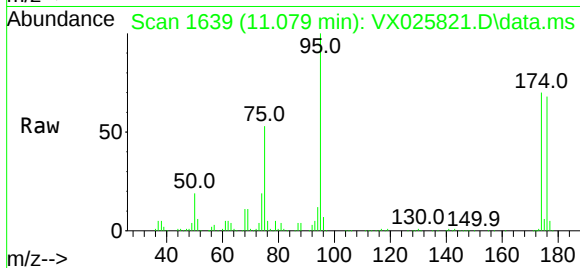




#81
trans-1,4-Dichloro-2-butene
Concen: 73.867 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 53432
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



#95
Naphthalene
Concen: 2.416 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025821.D
Acq: 15 Dec 2021 17:50

Tgt Ion: 128 Resp: 30
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

