

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072321\
 Data File : VX023423.D
 Acq On : 23 Jul 2021 15:01
 Operator : JC/MD
 Sample : M3145-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 03:44:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

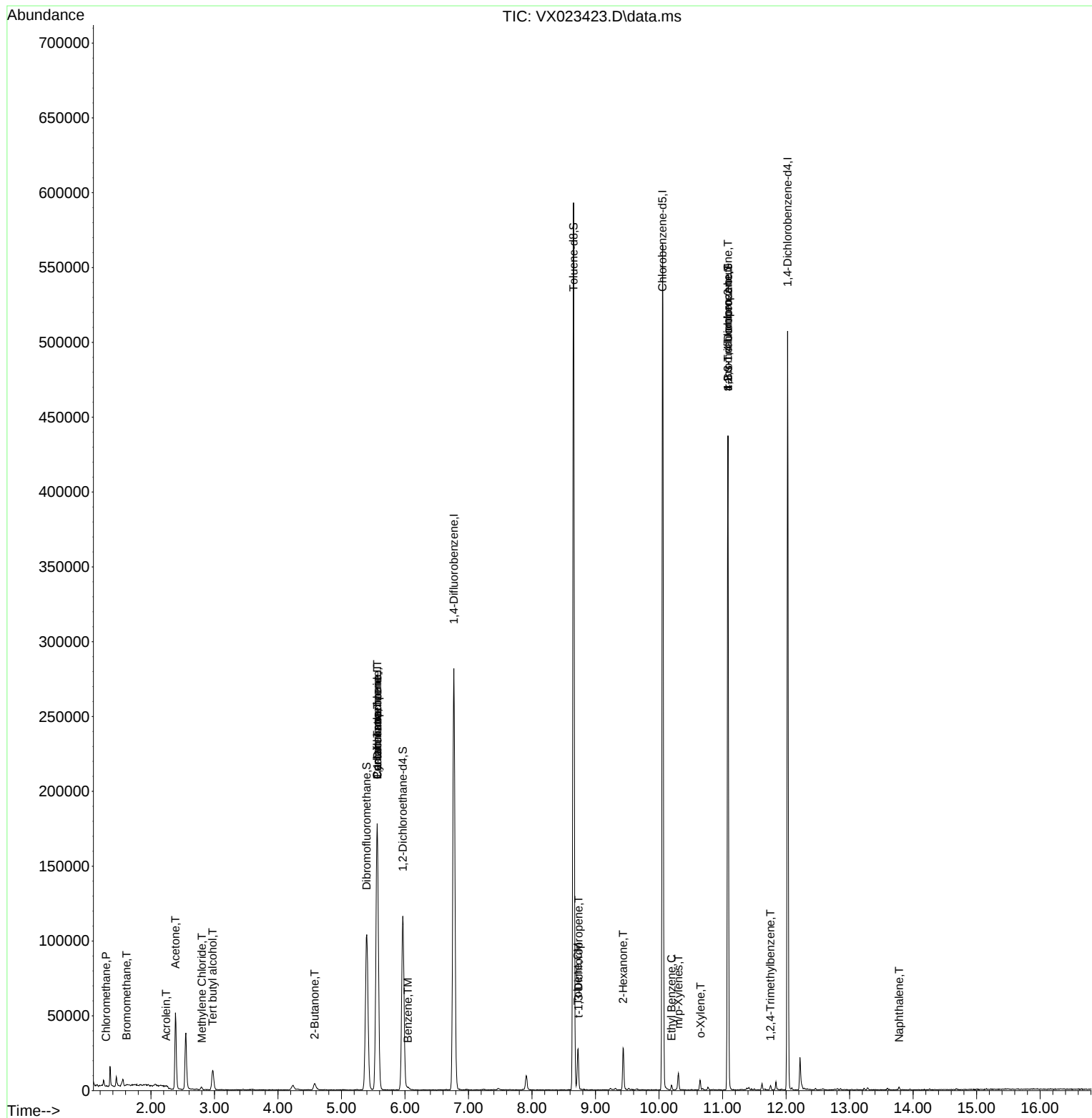
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	170380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	286439	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	110479	51.982	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.960%	
35) Dibromofluoromethane	5.397	113	90586	50.580	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.160%	
50) Toluene-d8	8.653	98	342406	52.038	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.080%	
62) 4-Bromofluorobenzene	11.085	95	108458	48.474	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.940%	
Target Compounds						Qvalue
3) Chloromethane	1.294	50	411	0.225	ug/l	90
5) Bromomethane	1.618	94	399	0.364	ug/l #	30
11) Tert butyl alcohol	2.971	59	14577	30.024	ug/l	97
13) Acrolein	2.239	56	131	1.892	ug/l #	14
16) Acetone	2.386	43	51945	49.824	ug/l	92
20) Methylene Chloride	2.800	84	716	0.353	ug/l #	80
25) 2-Butanone	4.574	43	7476	4.619	ug/l	92
31) Cyclohexane	5.562	56	3574	1.135	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	12440	4.801	ug/l #	50
38) Carbon Tetrachloride	5.562	117	17127	6.499	ug/l #	15
40) Benzene	6.044	78	1609	0.209	ug/l #	85
52) Toluene	8.720	92	10062	2.114	ug/l	97
53) t-1,3-Dichloropropene	8.732	75	44	1.830	ug/l #	1
59) 2-Hexanone	9.433	43	16612	7.065	ug/l	85
67) Ethyl Benzene	10.195	91	1842	0.204	ug/l	95
68) m/p-Xylenes	10.305	106	2769	0.797	ug/l	96
69) o-Xylene	10.653	106	1355	0.393	ug/l	99
76) 1,2,3-Trichloropropane	11.085	75	55928	24.833	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55928	66.773	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	1423	0.227	ug/l	96
95) Naphthalene	13.780	128	1553	0.215	ug/l #	96

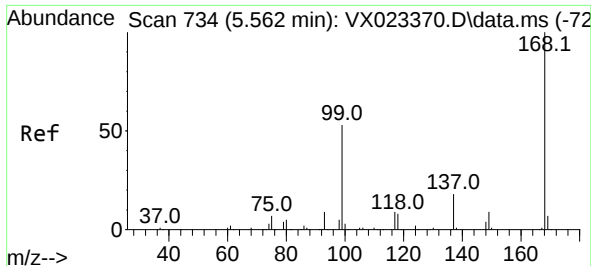
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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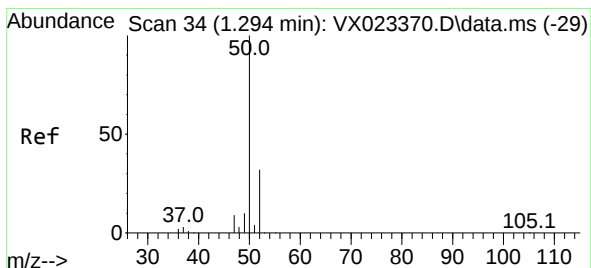
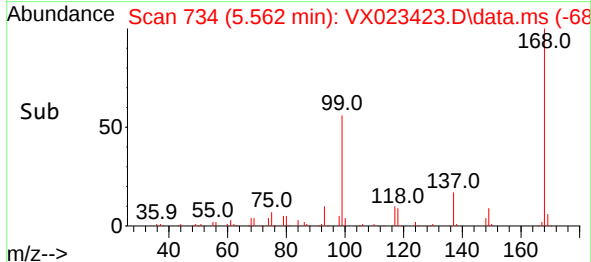
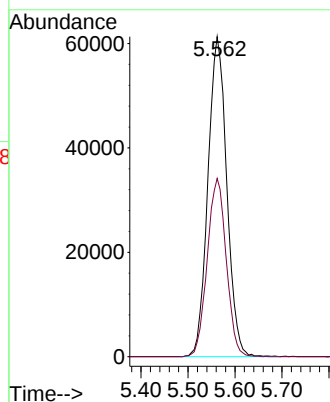
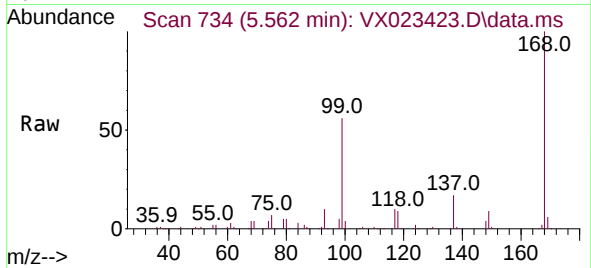




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

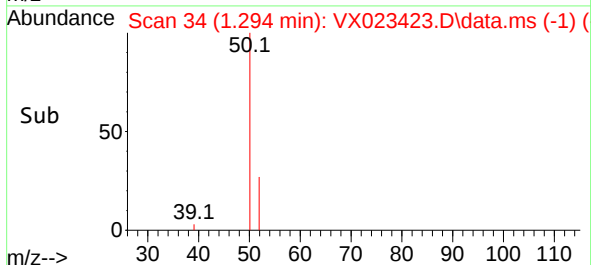
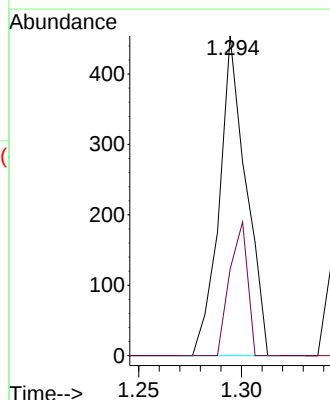
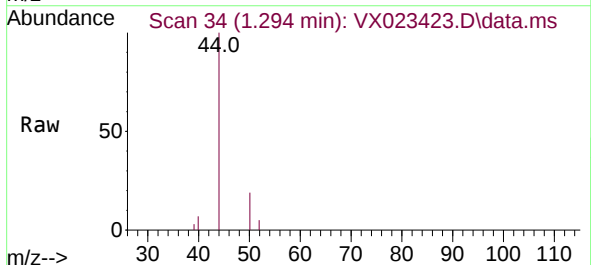
Instrument :
MSVOA_X
ClientSampleId :

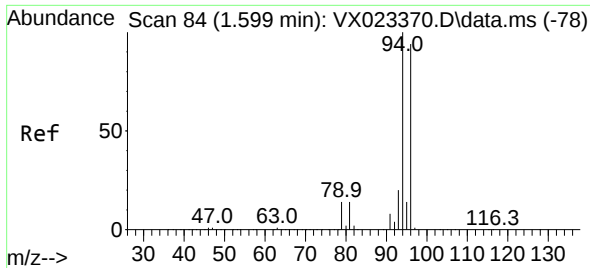
Tgt Ion:168 Resp: 170380
Ion Ratio Lower Upper
168 100
99 55.7 45.8 68.6



#3
Chloromethane
Concen: 0.225 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

Tgt Ion: 50 Resp: 411
Ion Ratio Lower Upper
50 100
52 27.1 26.4 39.6

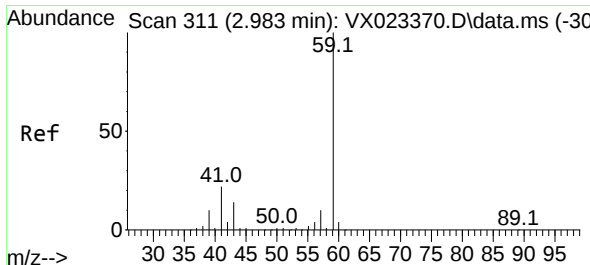
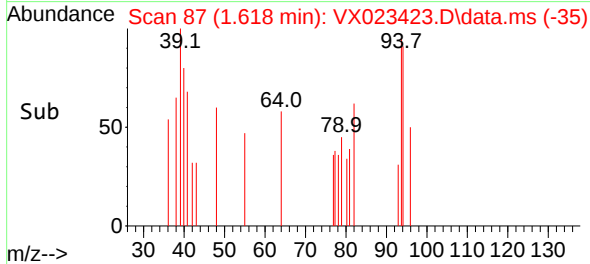
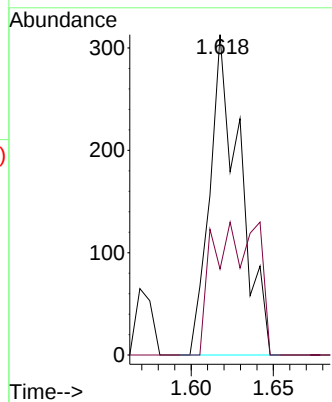
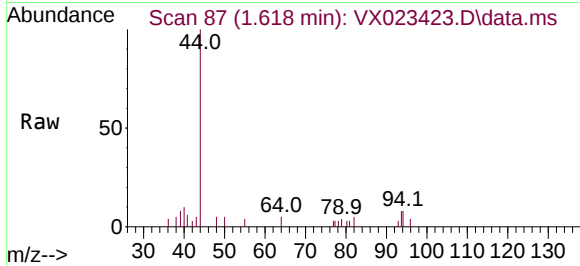




#5
Bromomethane
Concen: 0.364 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

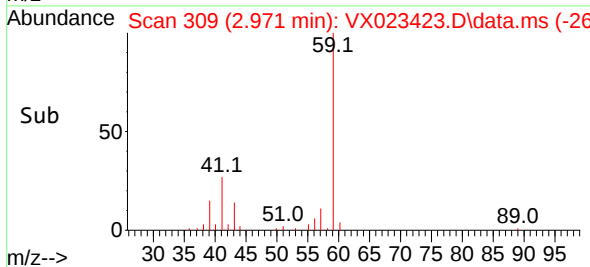
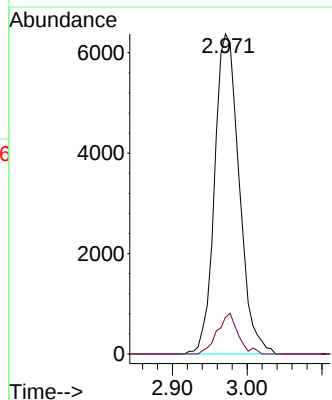
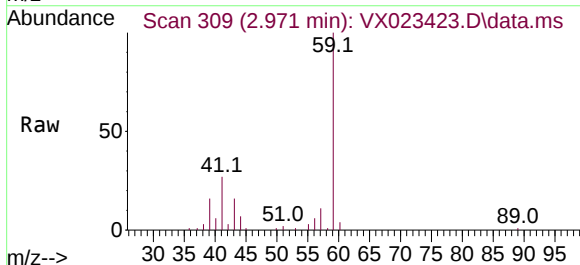
Instrument :
MSVOA_X
ClientSampleId :

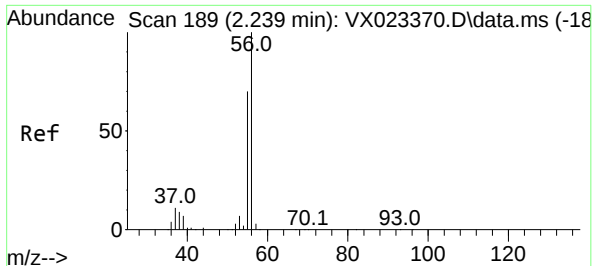
Tgt Ion: 94 Resp: 399
Ion Ratio Lower Upper
94 100
96 26.8 76.4 114.6#



#11
Tert butyl alcohol
Concen: 30.024 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

Tgt Ion: 59 Resp: 14577
Ion Ratio Lower Upper
59 100
57 10.8 7.8 11.8

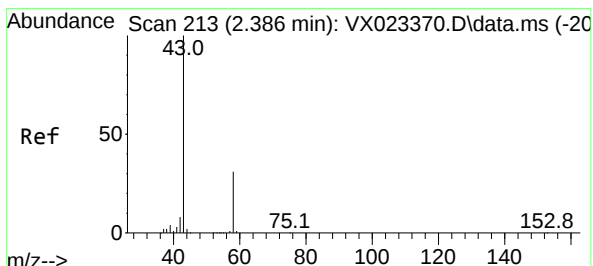
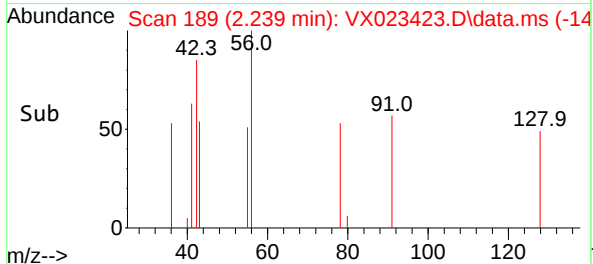
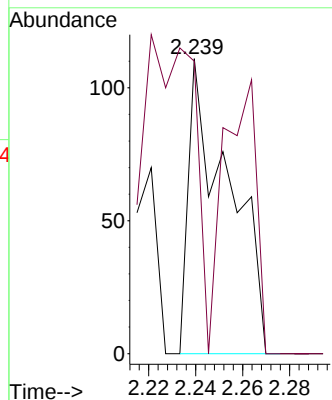
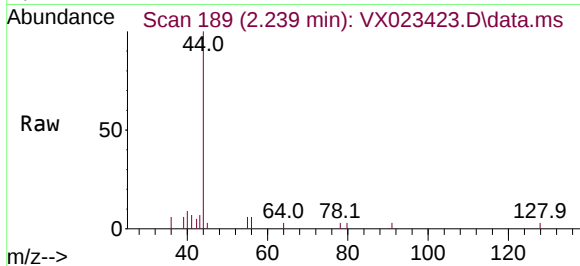




#13
Acrolein
Concen: 1.892 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

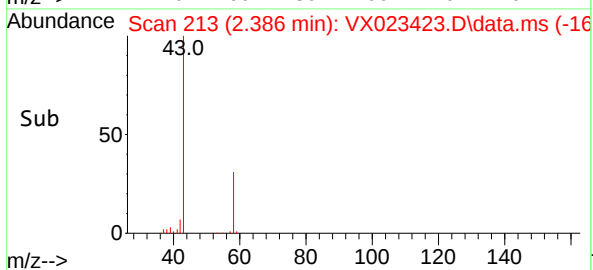
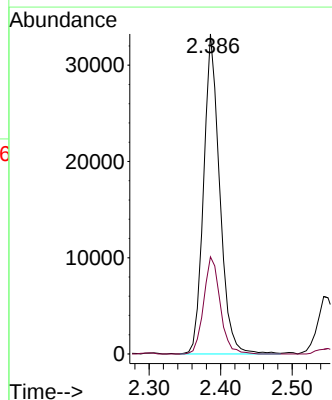
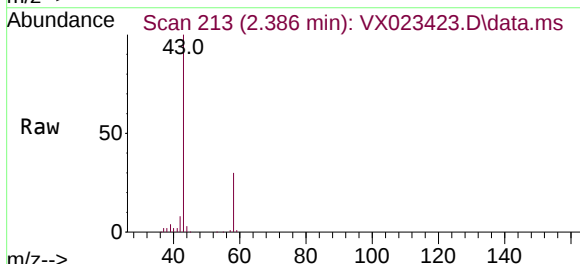
Instrument :
MSVOA_X
ClientSampleId :

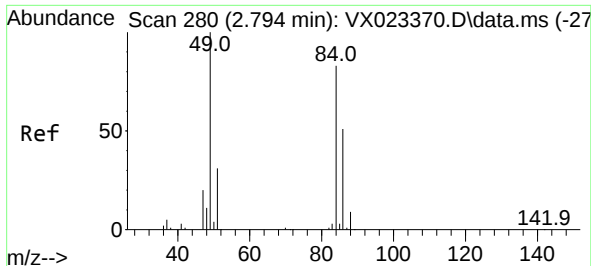
Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 49.824 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

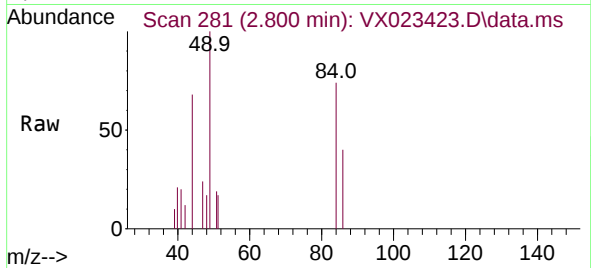
Tgt Ion: 43 Resp: 51945
Ion Ratio Lower Upper
43 100
58 30.4 27.8 41.8



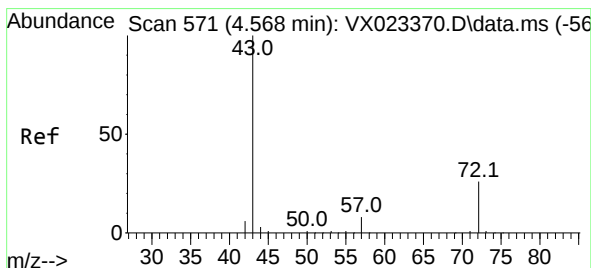
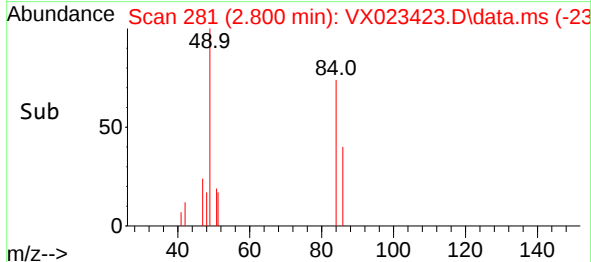
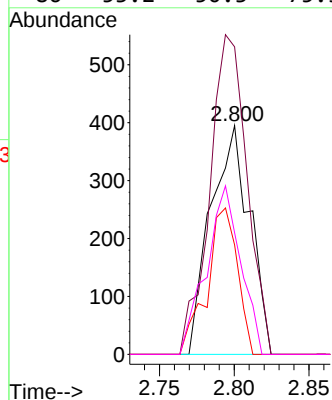


#20
Methylene Chloride
Concen: 0.353 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

Instrument :
MSVOA_X
ClientSampleId :

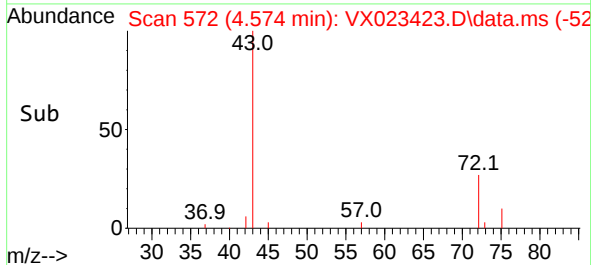
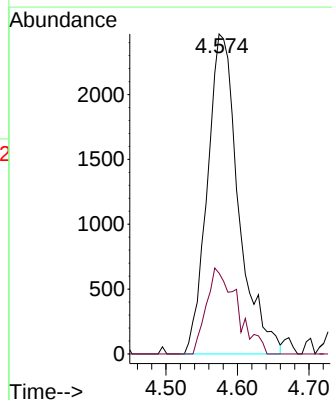
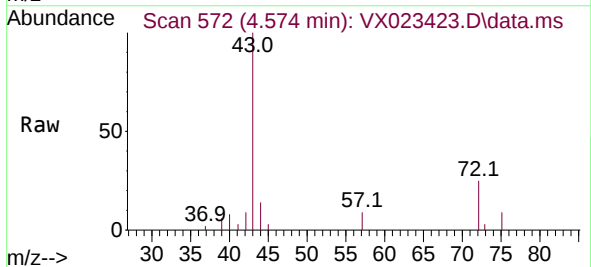


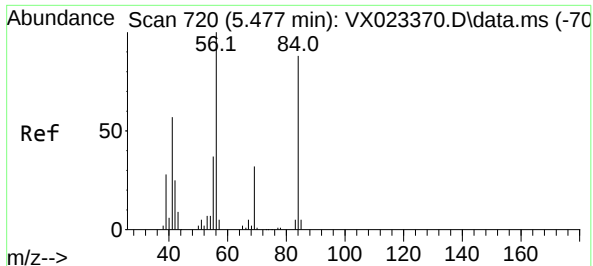
Tgt Ion:	84	Resp:	716
Ion	Ratio	Lower	Upper
84	100		
49	134.4	88.6	132.8#
51	47.8	27.0	40.6#
86	53.2	50.3	75.5



#25
2-Butanone
Concen: 4.619 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

Tgt Ion:	43	Resp:	7476
Ion	Ratio	Lower	Upper
43	100		
72	25.3	23.7	35.5

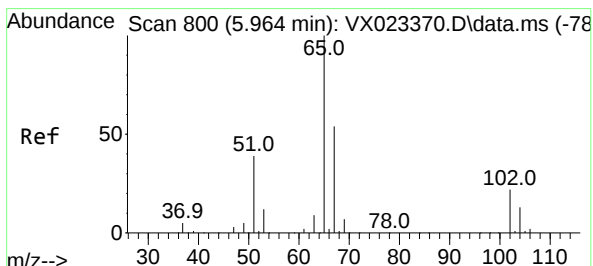
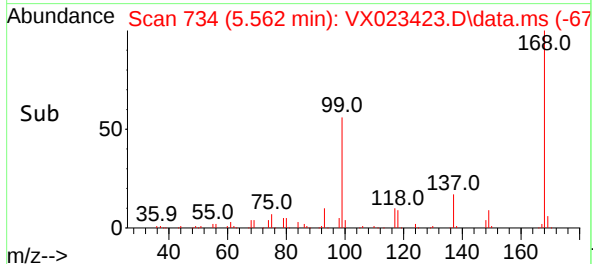
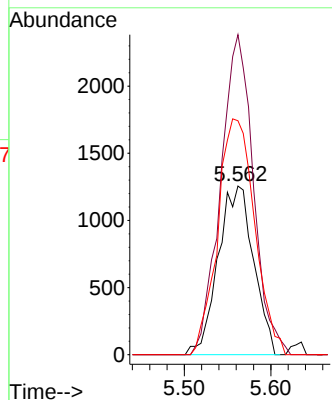
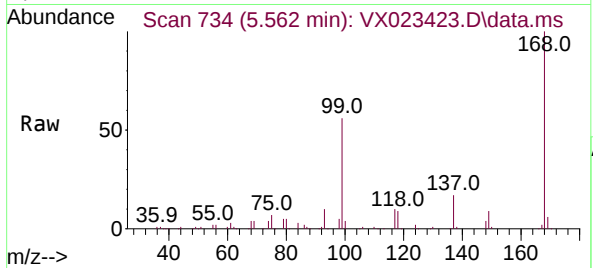




#31
Cyclohexane
Concen: 1.135 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

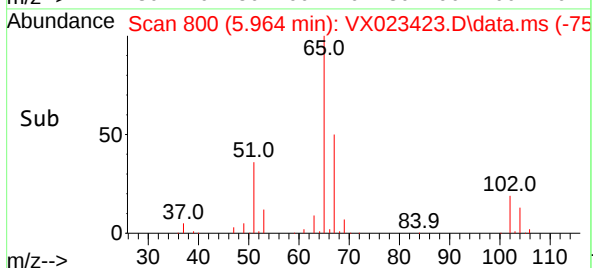
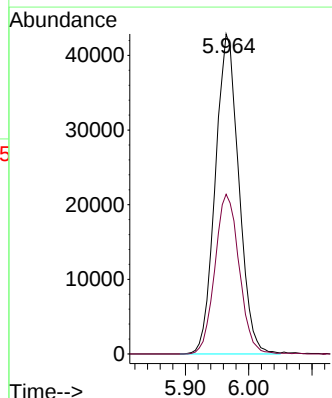
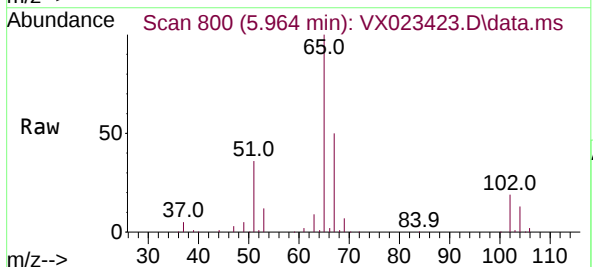
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MSVOA_X
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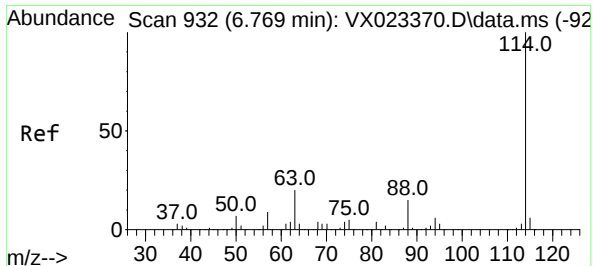
Tgt Ion: 56 Resp: 3574
Ion Ratio Lower Upper
56 100
69 189.7 25.3 37.9#
84 138.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.982 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

Tgt Ion: 65 Resp: 110479
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.4

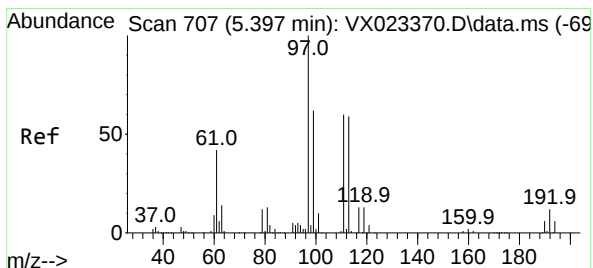
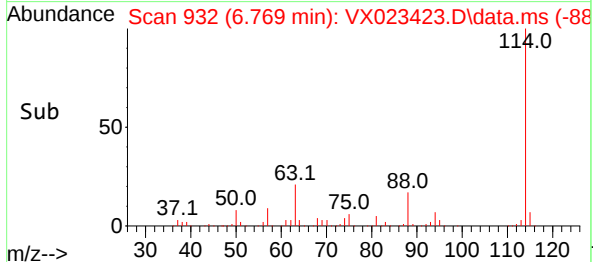
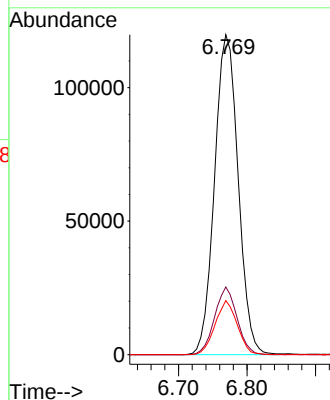
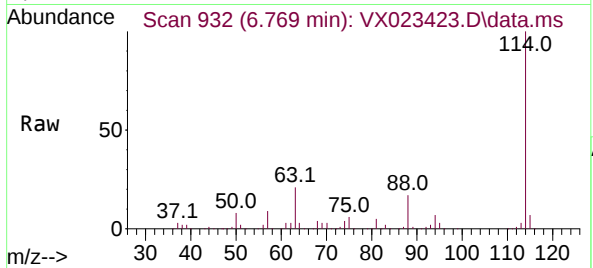




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

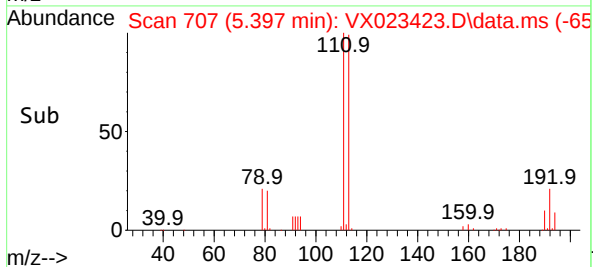
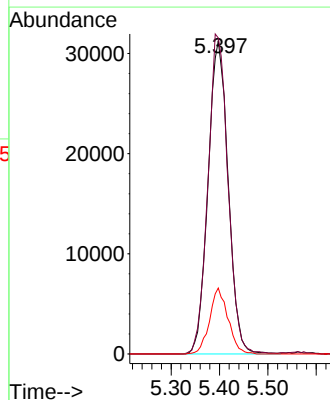
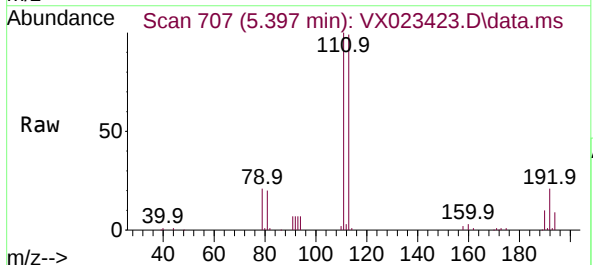
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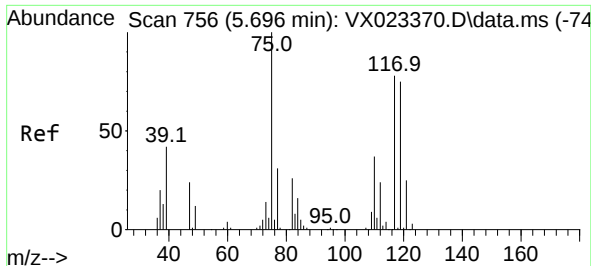
Tgt Ion:114 Resp: 286439
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.580 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

Tgt Ion:113 Resp: 90586
Ion Ratio Lower Upper
113 100
111 101.5 81.9 122.9
192 19.2 16.7 25.1

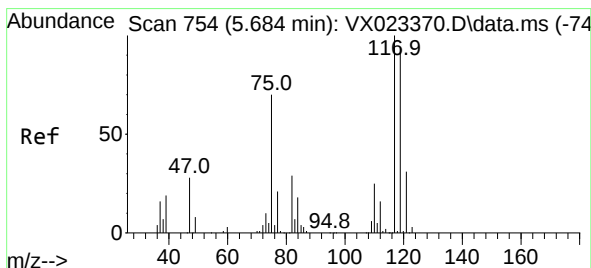
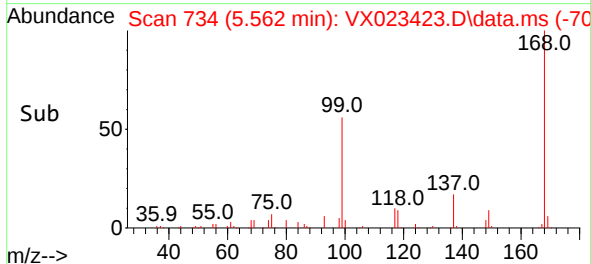
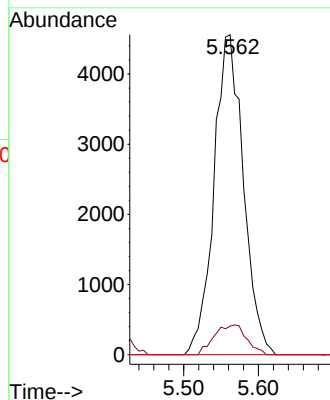
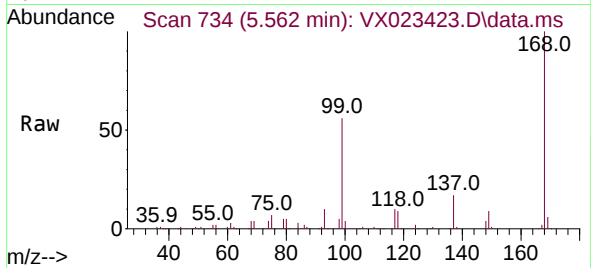




#36
1,1-Dichloropropene
Concen: 4.801 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

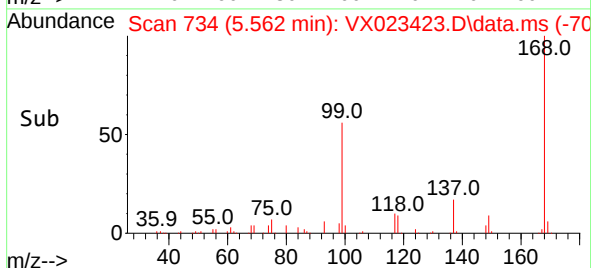
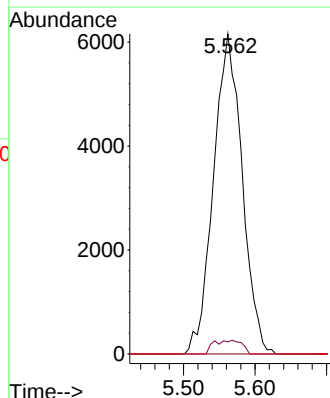
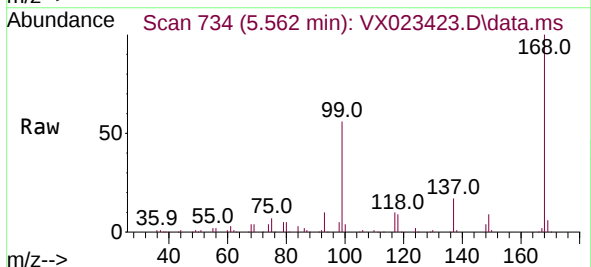
Instrument :
MSVOA_X
ClientSampleId :

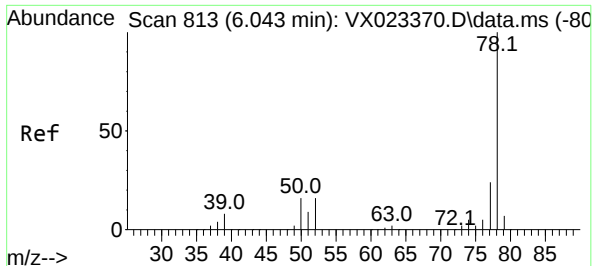
Tgt Ion: 75 Resp: 12440
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.499 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

Tgt Ion: 117 Resp: 17127
Ion Ratio Lower Upper
117 100
119 3.7 76.2 114.2#
121 0.0 24.8 37.2#

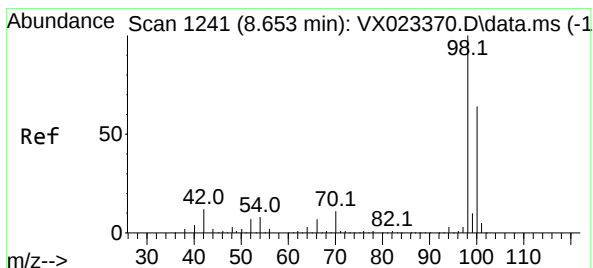
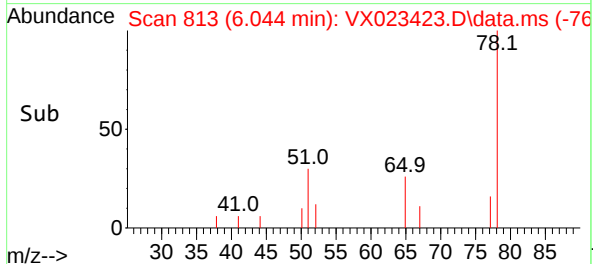
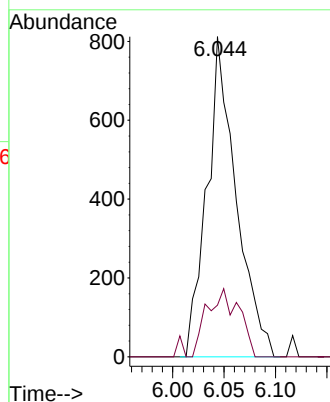
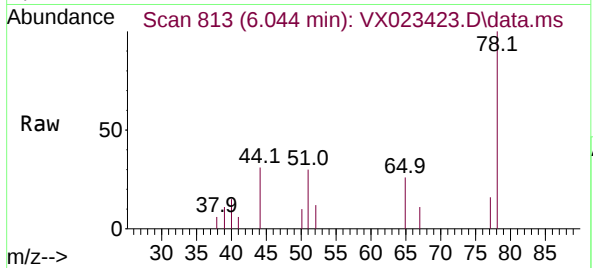




#40
Benzene
Concen: 0.209 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.001 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

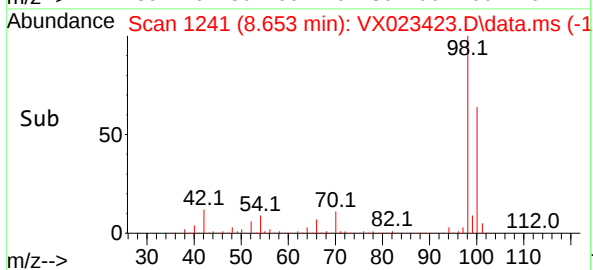
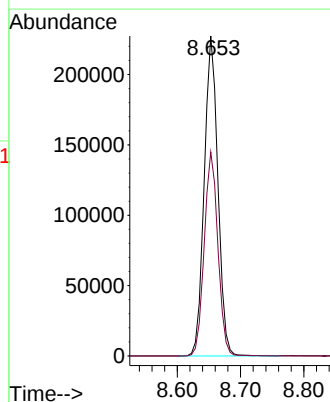
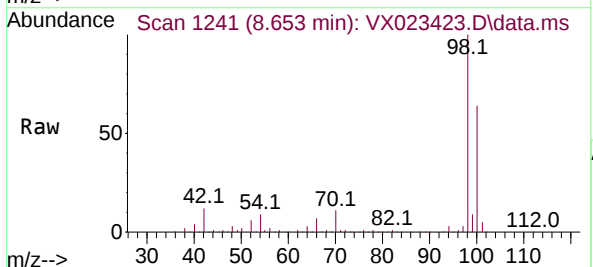
Instrument :
MSVOA_X
ClientSampled :

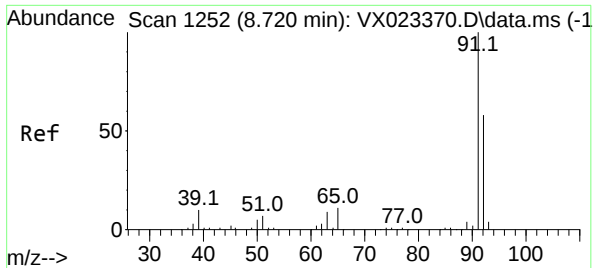
Tgt Ion: 78 Resp: 1609
Ion Ratio Lower Upper
78 100
77 16.1 18.9 28.3#



#50
Toluene-d8
Concen: 52.038 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

Tgt Ion: 98 Resp: 342406
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9

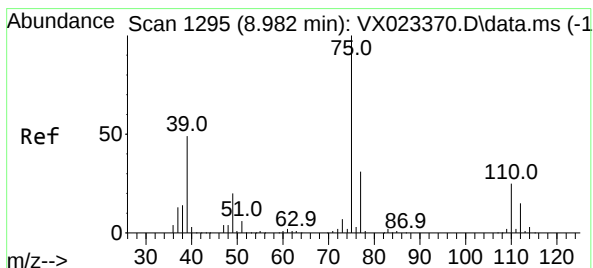
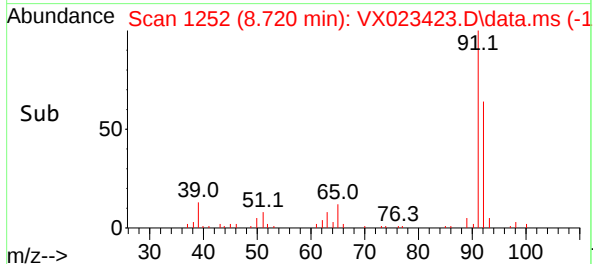
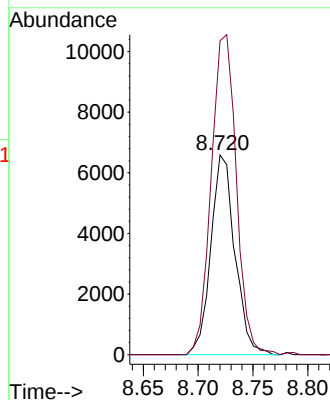
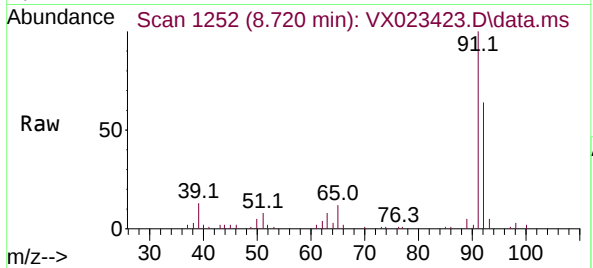




#52
Toluene
Concen: 2.114 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

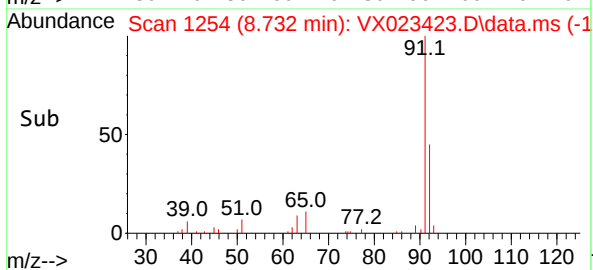
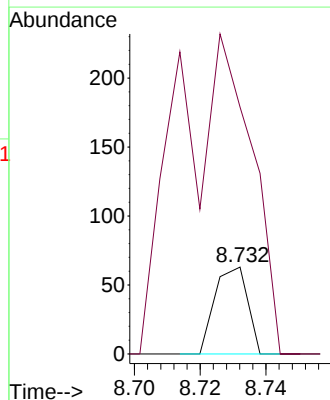
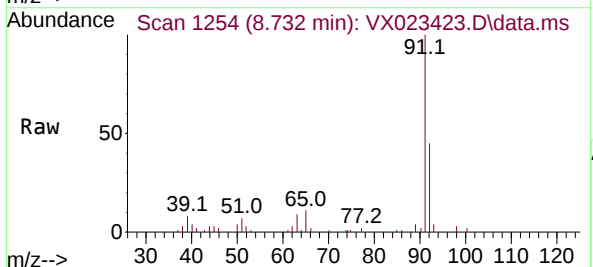
Instrument :
MSVOA_X
ClientSampled :

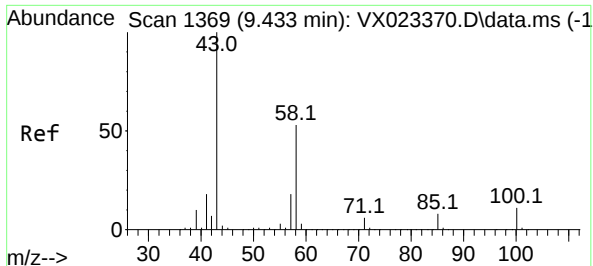
Tgt Ion: 92 Resp: 10062
Ion Ratio Lower Upper
92 100
91 167.3 137.1 205.7



#53
t-1,3-Dichloropropene
Concen: 1.830 ug/l
RT: 8.732 min Scan# 1254
Delta R.T. -0.250 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

Tgt Ion: 75 Resp: 44
Ion Ratio Lower Upper
75 100
77 284.1 24.9 37.3#

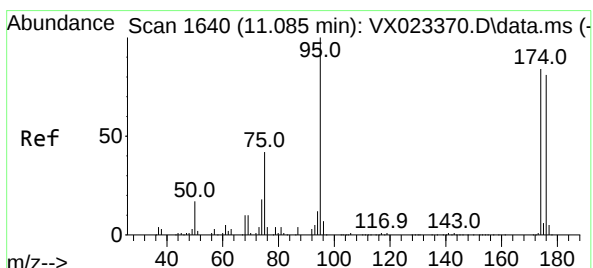
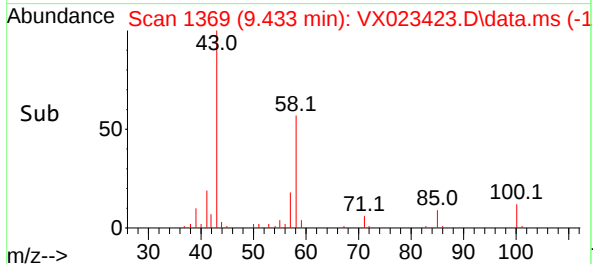
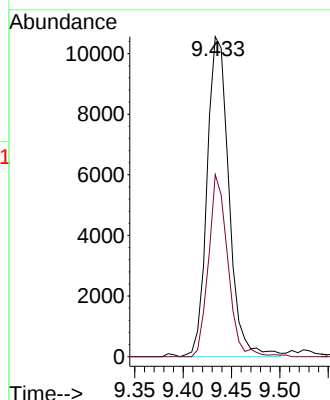
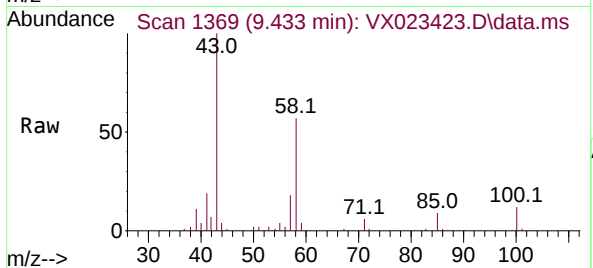




#59
2-Hexanone
Concen: 7.065 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

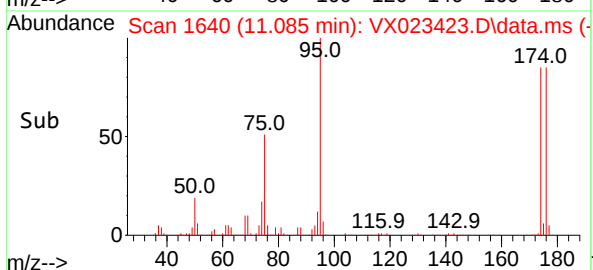
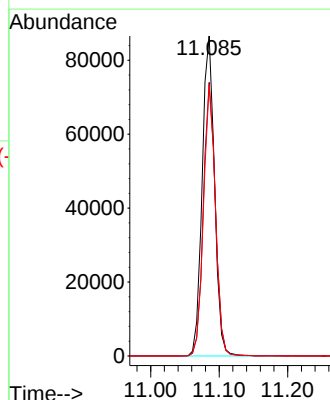
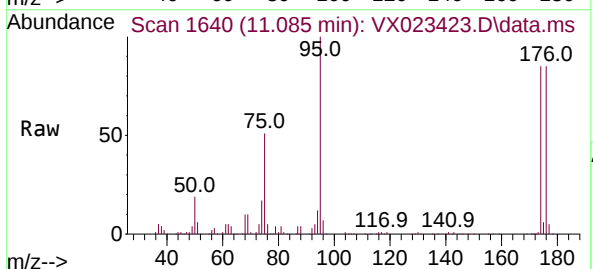
Instrument :
MSVOA_X
ClientSampled :

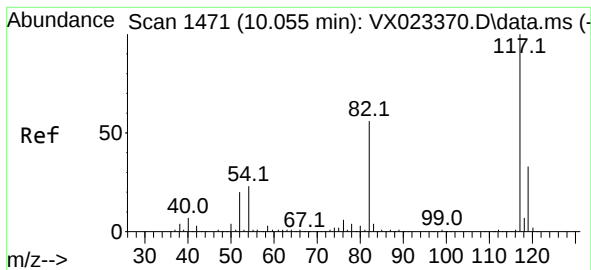
Tgt Ion: 43 Resp: 16612
Ion Ratio Lower Upper
43 100
58 50.3 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 48.474 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

Tgt Ion: 95 Resp: 108458
Ion Ratio Lower Upper
95 100
174 83.7 0.0 154.6
176 81.9 0.0 155.8

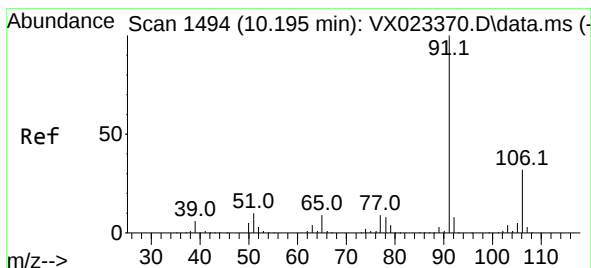
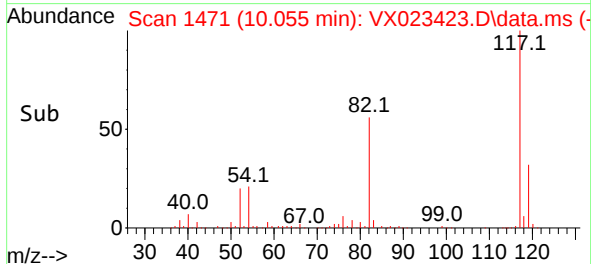
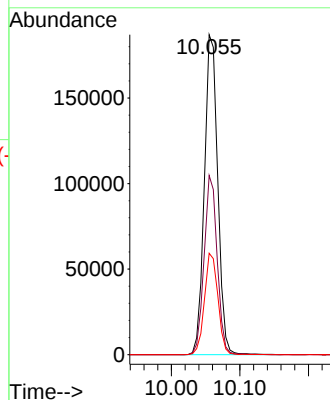
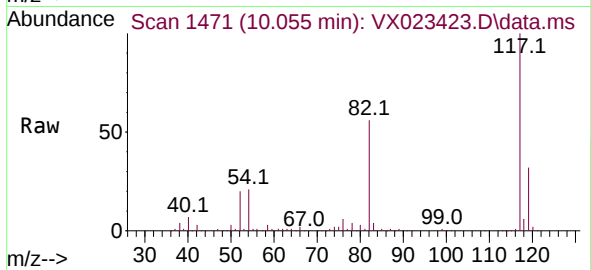




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

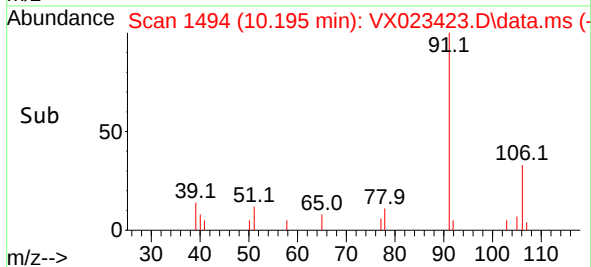
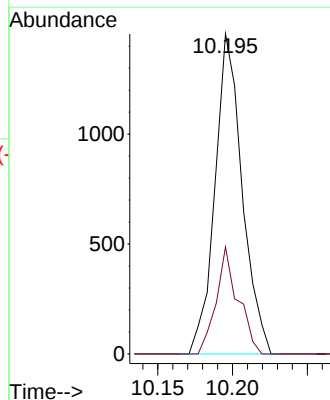
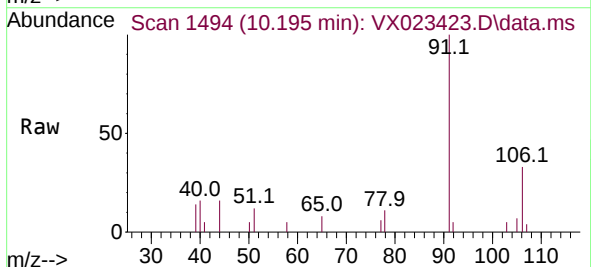
Instrument :
MSVOA_X
ClientSampled :

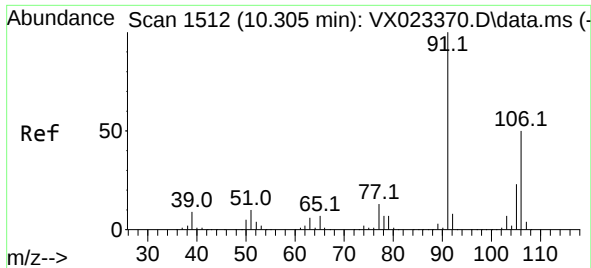
Tgt Ion:117 Resp: 254571
Ion Ratio Lower Upper
117 100
82 56.0 47.4 71.2
119 31.7 26.6 39.8



#67
Ethyl Benzene
Concen: 0.204 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

Tgt Ion: 91 Resp: 1842
Ion Ratio Lower Upper
91 100
106 33.4 24.6 37.0

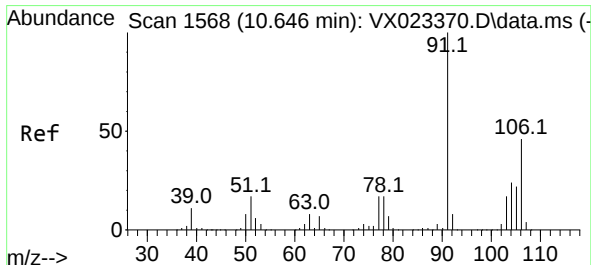
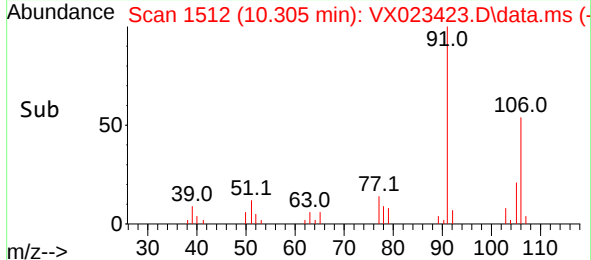
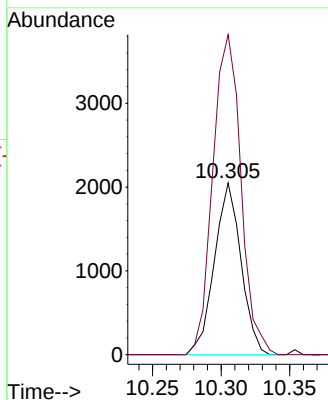
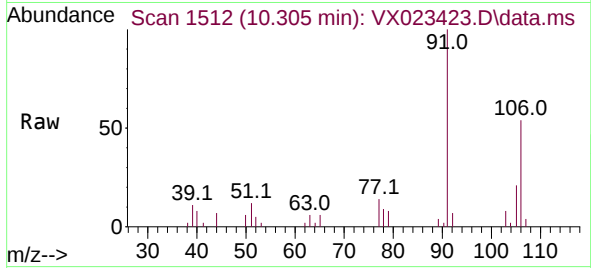




#68
m/p-Xylenes
Concen: 0.797 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

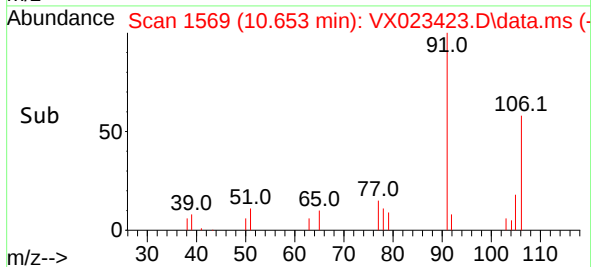
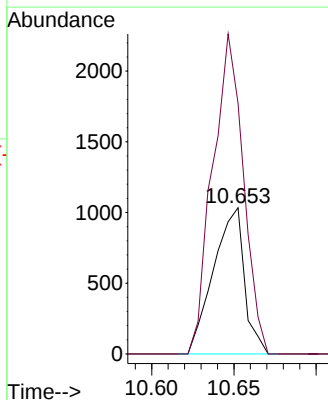
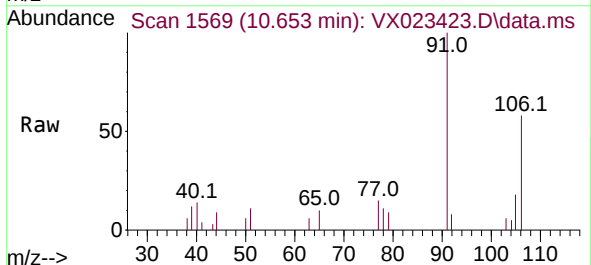
Instrument :
MSVOA_X
ClientSampled :

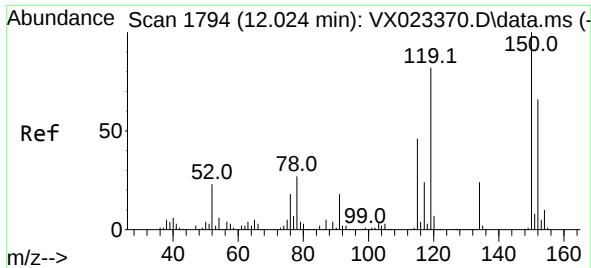
Tgt Ion:106 Resp: 2769
Ion Ratio Lower Upper
106 100
91 196.9 162.8 244.2



#69
o-Xylene
Concen: 0.393 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

Tgt Ion:106 Resp: 1355
Ion Ratio Lower Upper
106 100
91 217.7 108.1 324.2

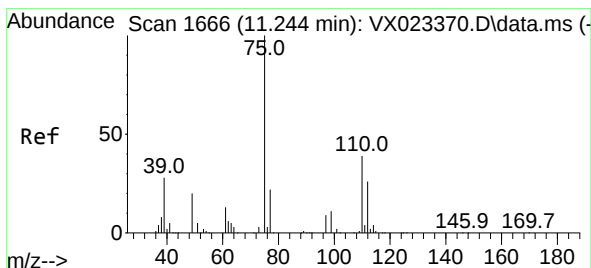
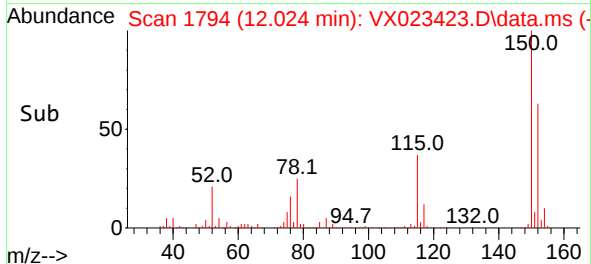
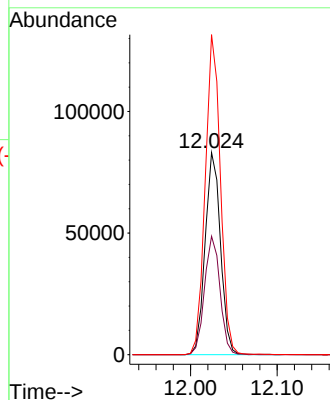
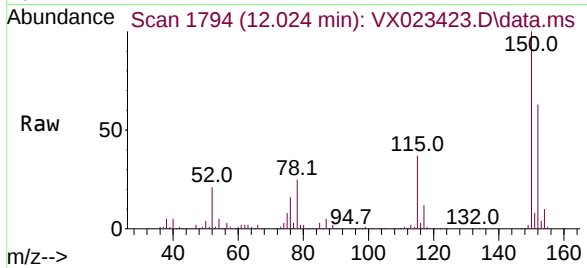




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023423.D
 Acq: 23 Jul 2021 15:01

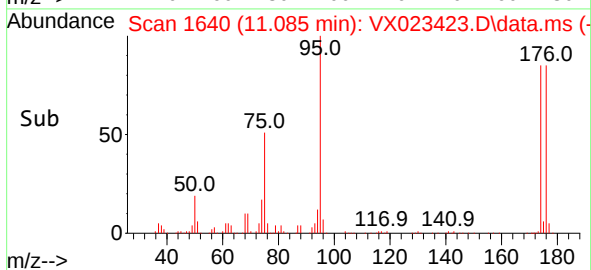
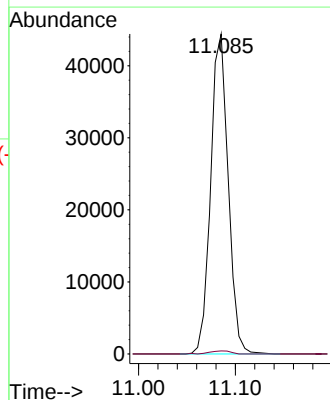
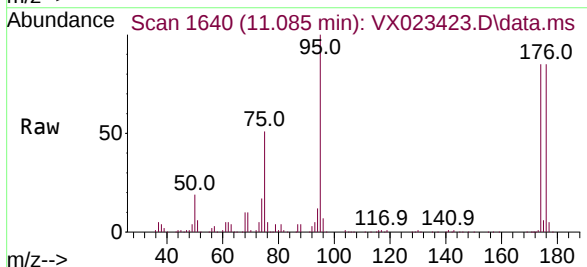
Instrument :
 MSVOA_X
 ClientSampled :

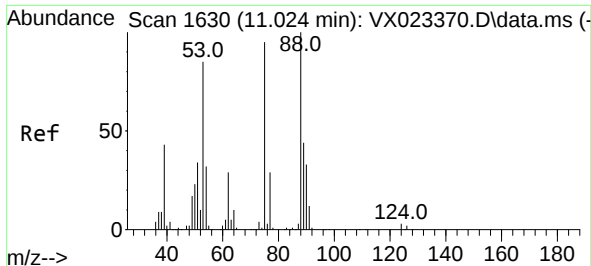
Tgt Ion:152 Resp: 102344
 Ion Ratio Lower Upper
 152 100
 115 59.0 41.1 123.3
 150 156.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.833 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023423.D
 Acq: 23 Jul 2021 15:01

Tgt Ion: 75 Resp: 55928
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

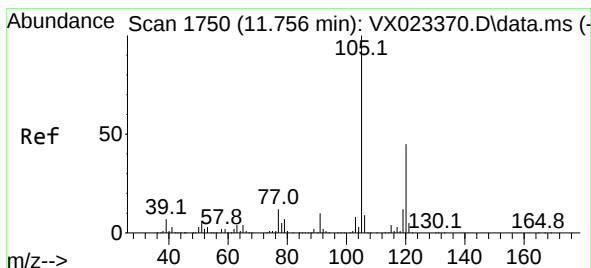
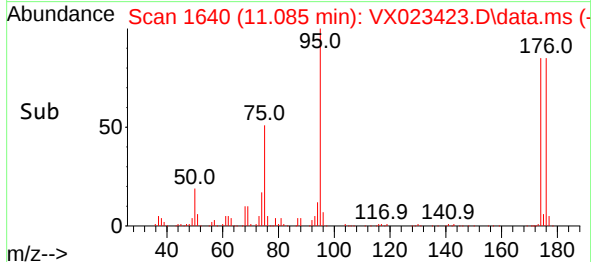
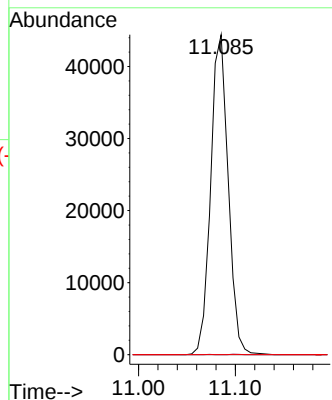
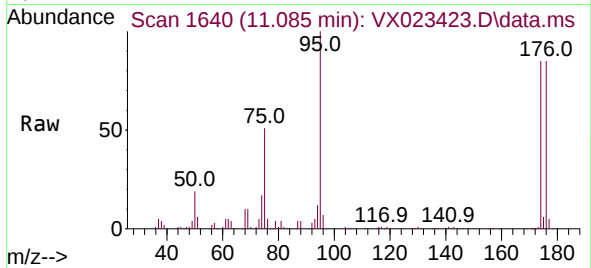




#81
trans-1,4-Dichloro-2-butene
Concen: 66.773 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

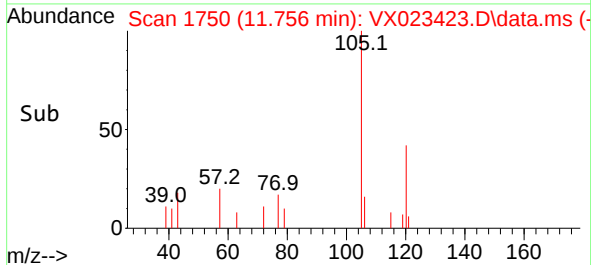
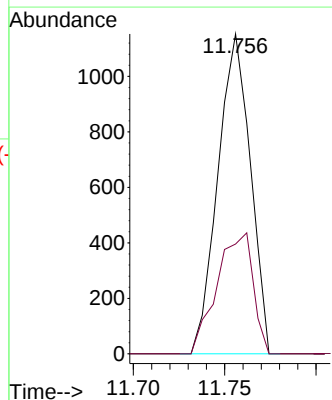
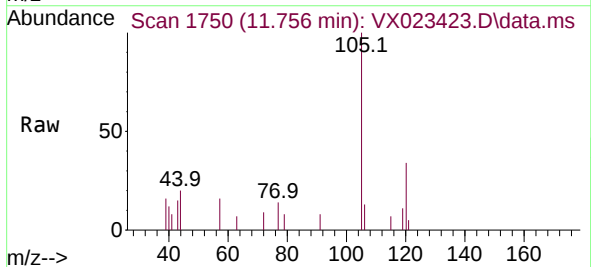
Instrument :
MSVOA_X
ClientSampled :

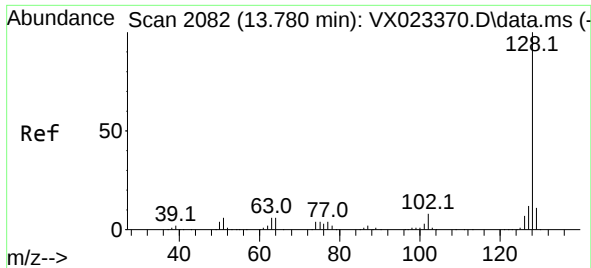
Tgt Ion: 75 Resp: 55928
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.227 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

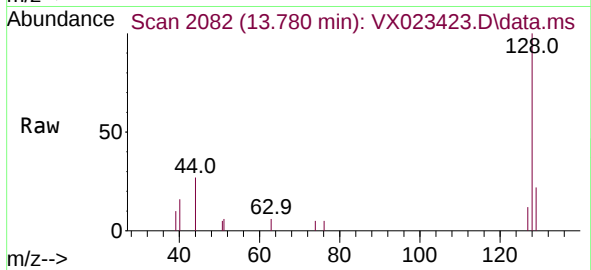
Tgt Ion: 105 Resp: 1423
Ion Ratio Lower Upper
105 100
120 42.1 22.4 67.3





#95
Naphthalene
Concen: 0.215 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023423.D
Acq: 23 Jul 2021 15:01

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1553
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 13.5 8.8 13.2#

