

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071321\
 Data File : VX023259.D
 Acq On : 13 Jul 2021 13:19
 Operator : JC/MD
 Sample : PB137639ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 14 04:52:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

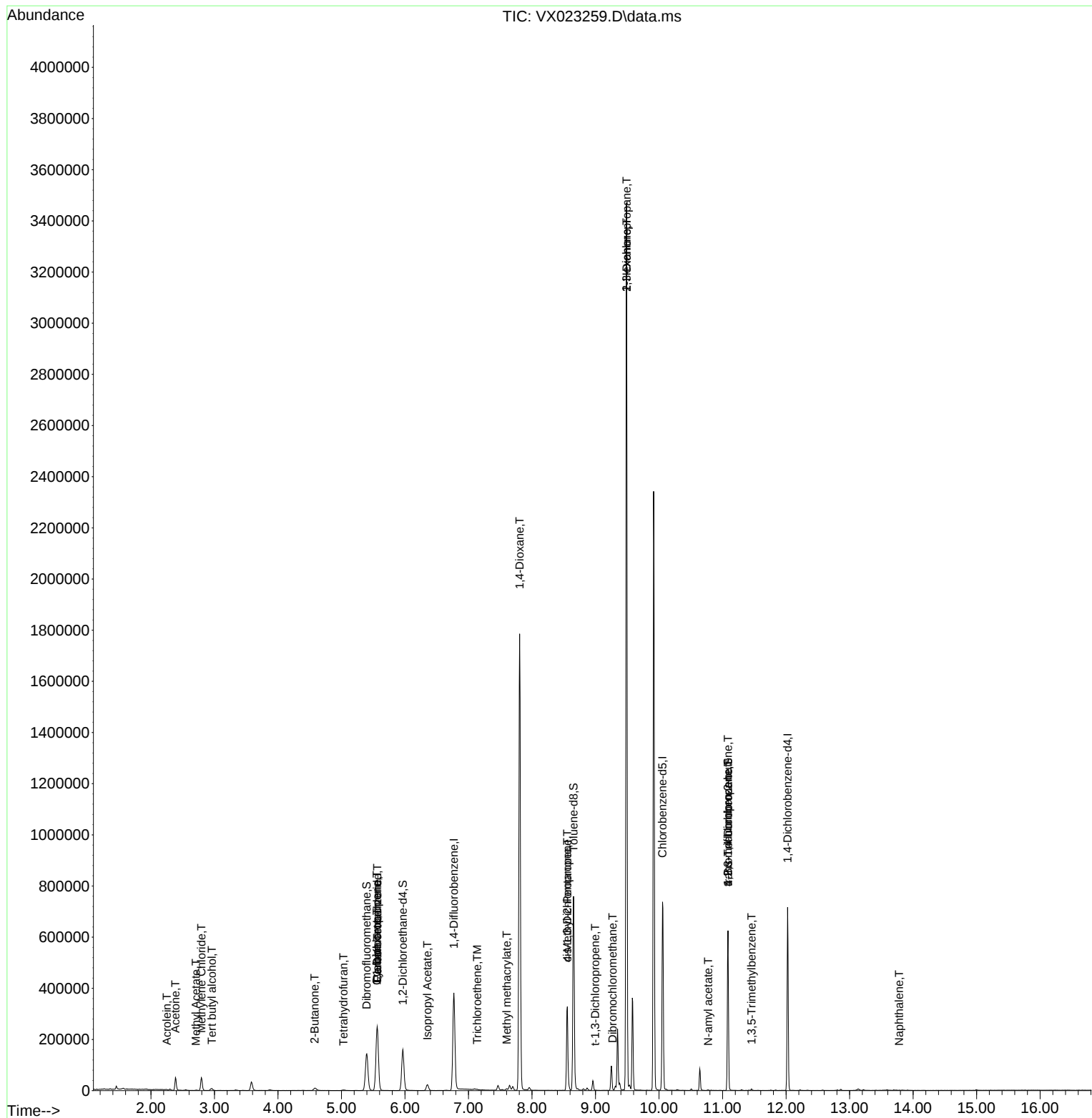
Internal Standards						
1) Pentafluorobenzene	5.562	168	234232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	384318	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	342901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	146665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	159766	50.750	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.500%			
35) Dibromofluoromethane	5.397	113	123221	49.651	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.300%			
50) Toluene-d8	8.653	98	452129	48.839	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.680%			
62) 4-Bromofluorobenzene	11.085	95	160433	44.890	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.780%			
Target Compounds					Qvalue	
5) Bromomethane	1.636	94	482	Below Cal	#	59
11) Tert butyl alcohol	2.959	59	5496	8.299	ug/l #	78
13) Acrolein	2.252	56	346	0.785	ug/l #	27
16) Acetone	2.386	43	50833	40.814	ug/l	94
18) Methyl Acetate	2.709	43	1717	0.568	ug/l	92
20) Methylene Chloride	2.794	84	22518	8.397	ug/l	97
25) 2-Butanone	4.574	43	8999	4.792	ug/l	93
29) Tetrahydrofuran	5.032	42	2175	1.802	ug/l	90
31) Cyclohexane	5.556	56	4803	1.274	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	18117	5.288	ug/l #	50
38) Carbon Tetrachloride	5.562	117	24030	6.719	ug/l #	16
43) Isopropyl Acetate	6.354	43	31490	5.065	ug/l	95
44) Trichloroethene	7.135	130	675	0.239	ug/l	62
48) Methyl methacrylate	7.604	41	8524	2.794	ug/l #	10
49) 1,4-Dioxane	7.805	88	298	4.341	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	115829	30.068	ug/l #	46
53) t-1,3-Dichloropropene	8.994	75	91	2.757	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	52464	13.434	ug/l #	62
57) 1,3-Dichloropropane	9.488	76	29753	6.659	ug/l #	43
59) 2-Hexanone	9.488	43	394429	133.446	ug/l #	44
60) Dibromochloromethane	9.269	129	19	3.119	ug/l #	11
74) N-amyl acetate	10.774	43	1186	0.271	ug/l #	49
76) 1,2,3-Trichloropropane	11.085	75	82173	27.842	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	2287	0.257	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.085	75	82173	75.099	ug/l #	12
95) Naphthalene	13.780	128	682	1.336	ug/l #	84

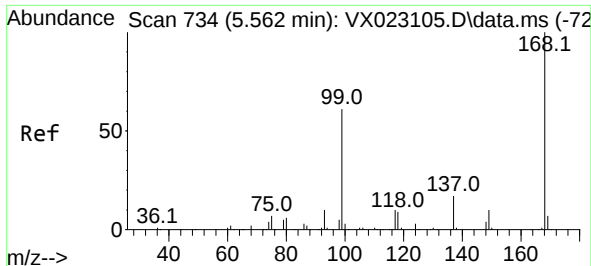
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071321\
Data File : VX023259.D
Acq On : 13 Jul 2021 13:19
Operator : JC/MD
Sample : PB137639ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 14 04:52:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 02 14:29:42 2021
Response via : Initial Calibration

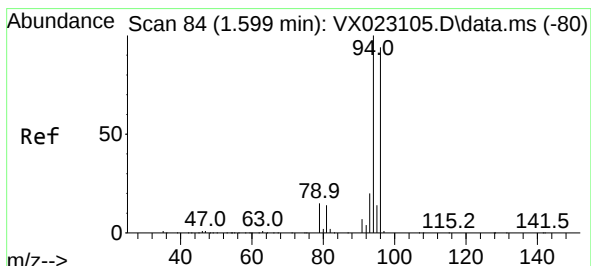
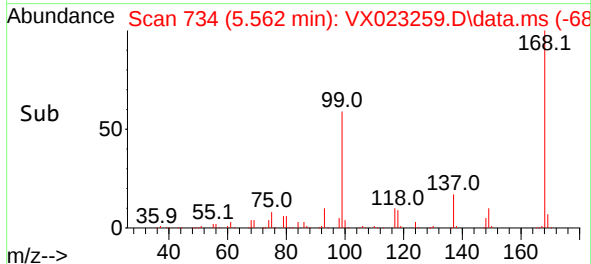
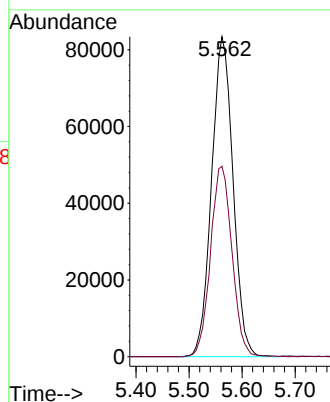
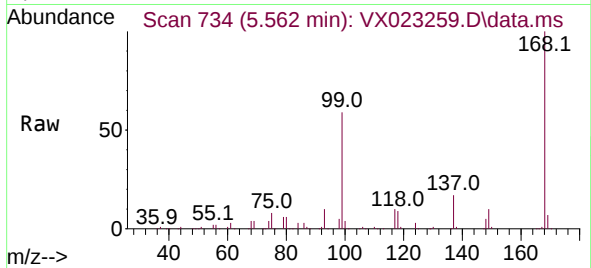




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

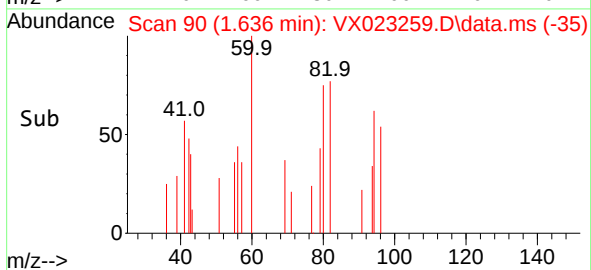
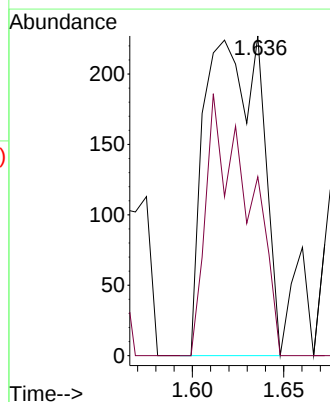
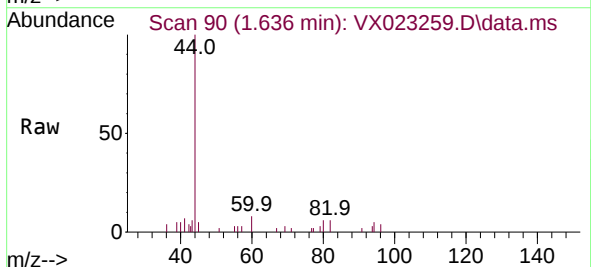
Instrument :
MSVOA_X
ClientSampleId :

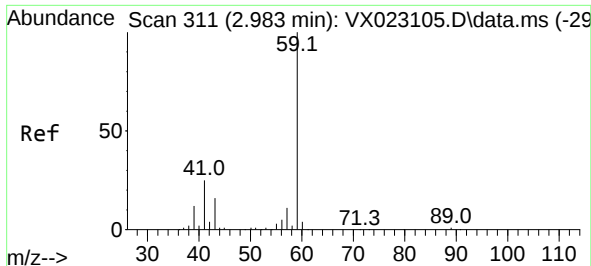
Tgt Ion:168 Resp: 234232
Ion Ratio Lower Upper
168 100
99 59.5 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.636 min Scan# 90
Delta R.T. 0.037 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

Tgt Ion: 94 Resp: 482
Ion Ratio Lower Upper
94 100
96 55.9 76.4 114.6#



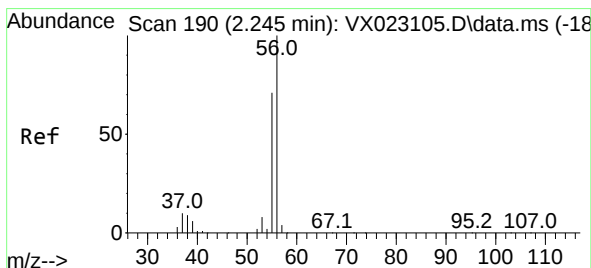
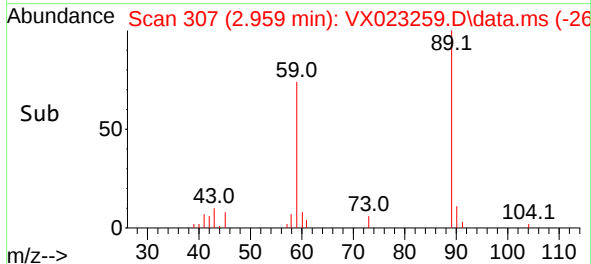
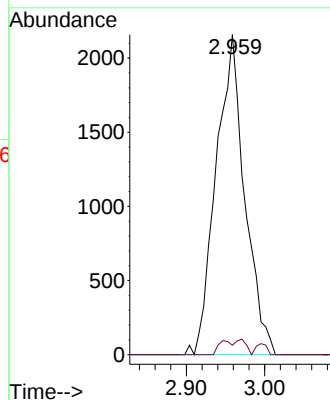
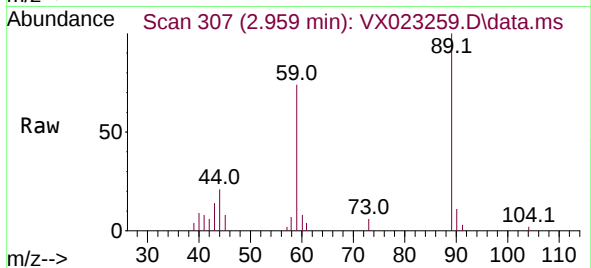


#11

Tert butyl alcohol
Concen: 8.299 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

Instrument :
MSVOA_X
ClientSampled :

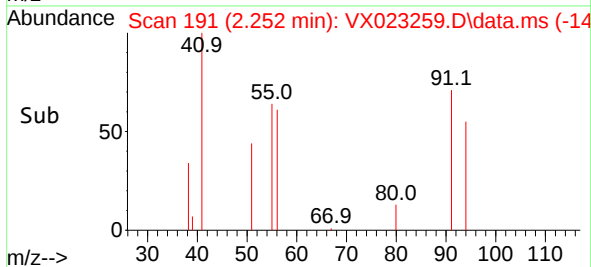
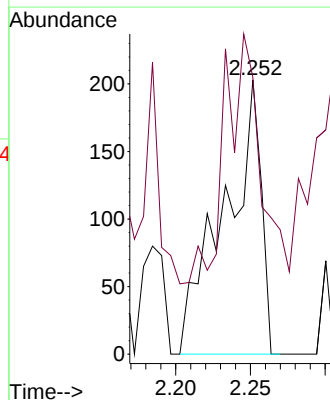
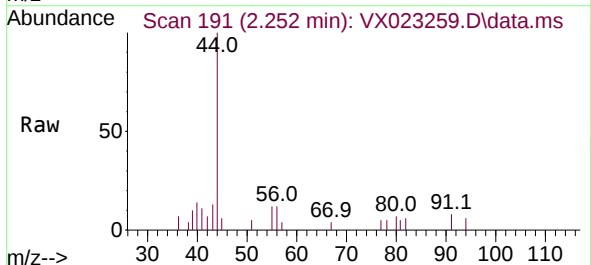
Tgt Ion: 59 Resp: 5496
Ion Ratio Lower Upper
59 100
57 1.7 7.8 11.8#

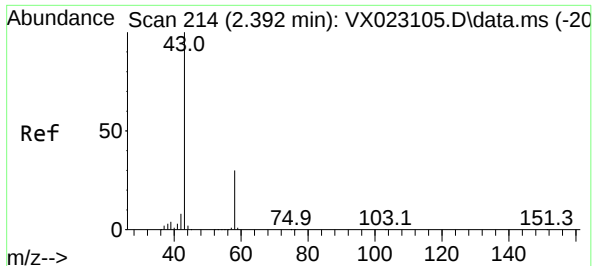


#13

Acrolein
Concen: 0.785 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.007 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

Tgt Ion: 56 Resp: 346
Ion Ratio Lower Upper
56 100
55 130.6 56.4 84.6#





#16

Acetone

Concen: 40.814 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX023259.D

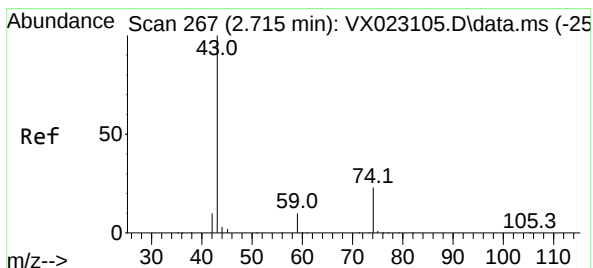
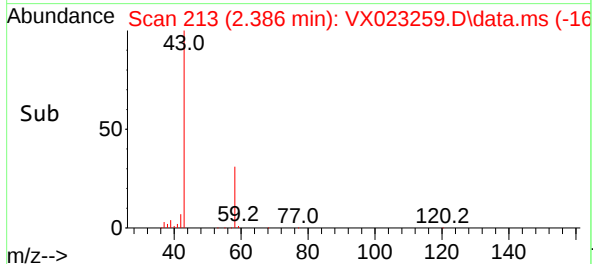
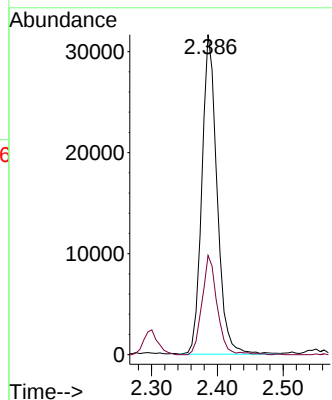
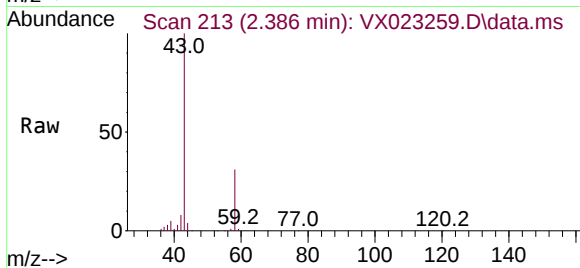
Acq: 13 Jul 2021 13:19

Tgt Ion: 43 Resp: 50833

Ion Ratio Lower Upper

43 100

58 31.1 27.8 41.8



#18

Methyl Acetate

Concen: 0.568 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.006 min

Lab File: VX023259.D

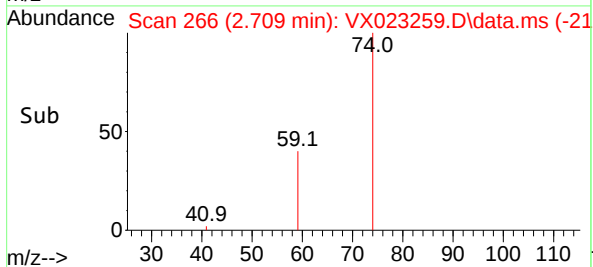
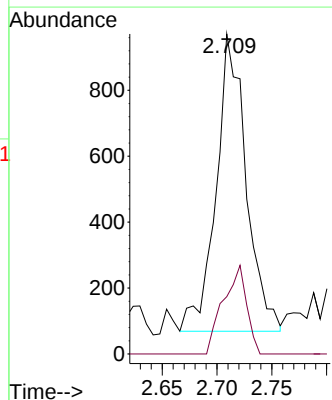
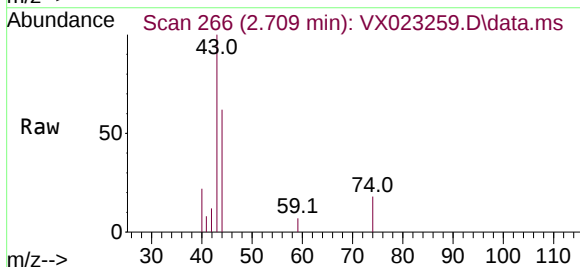
Acq: 13 Jul 2021 13:19

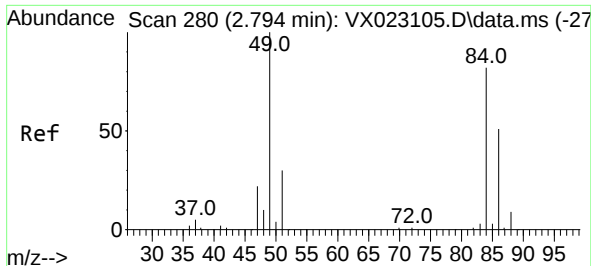
Tgt Ion: 43 Resp: 1717

Ion Ratio Lower Upper

43 100

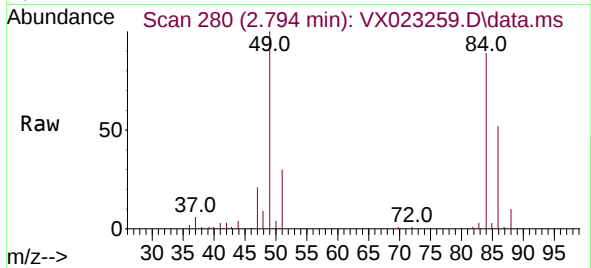
74 23.2 21.9 32.9



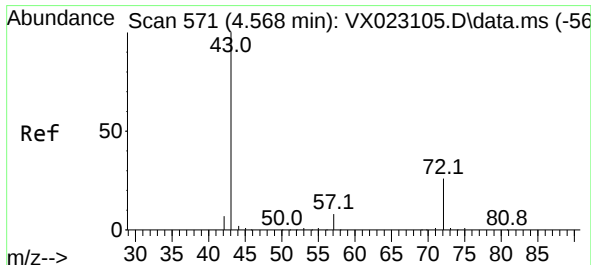
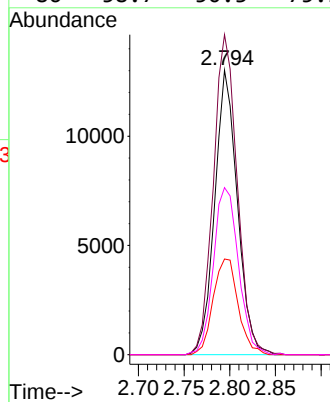
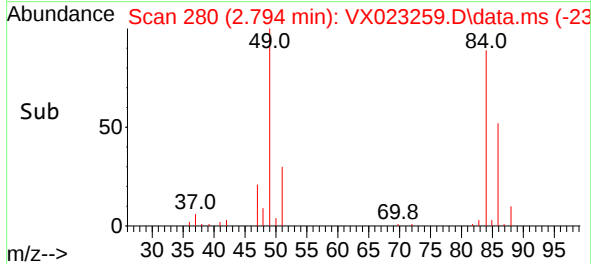


#20
Methylene Chloride
Concen: 8.397 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

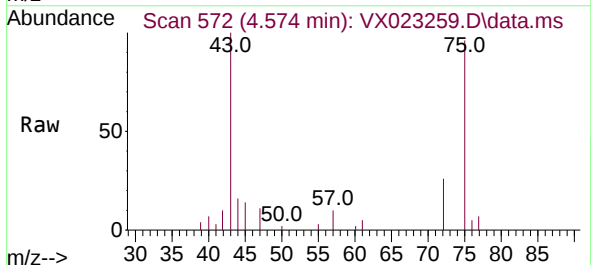
Instrument :
MSVOA_X
ClientSampled :



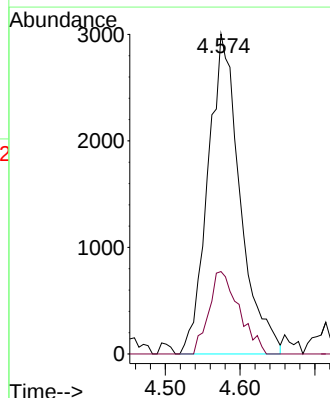
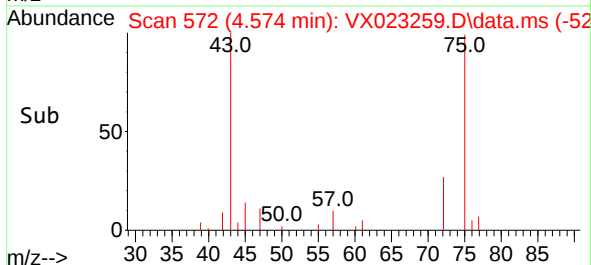
Tgt Ion:	84	Resp:	22518
Ion	Ratio	Lower	Upper
84	100		
49	112.5	88.6	132.8
51	33.6	27.0	40.6
86	58.7	50.3	75.5

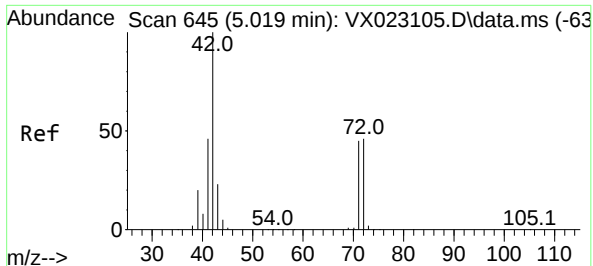


#25
2-Butanone
Concen: 4.792 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19



Tgt Ion:	43	Resp:	8999
Ion	Ratio	Lower	Upper
43	100		
72	25.8	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.802 ug/l

RT: 5.032 min Scan# 647

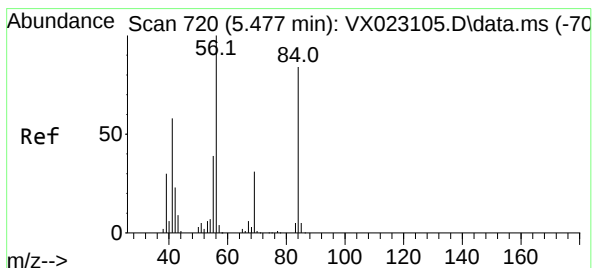
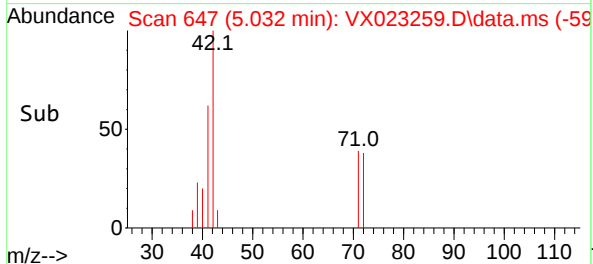
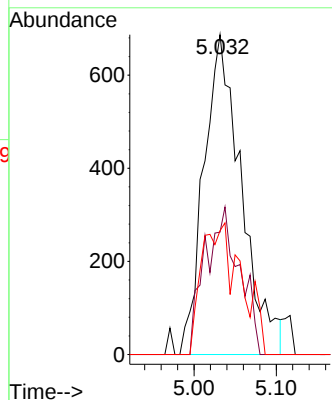
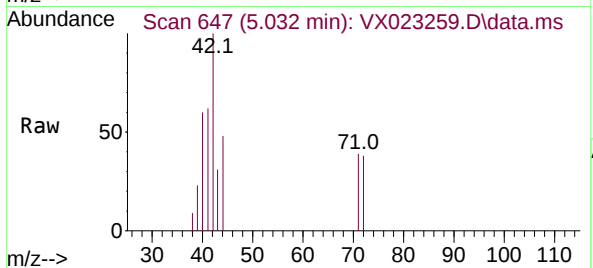
Delta R.T. 0.013 min

Lab File: VX023259.D

Acq: 13 Jul 2021 13:19

Tgt Ion:	42	Resp:	2175
Ion	Ratio	Lower	Upper
42	100		
72	42.3	41.7	62.5
71	43.4	38.4	57.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.274 ug/l

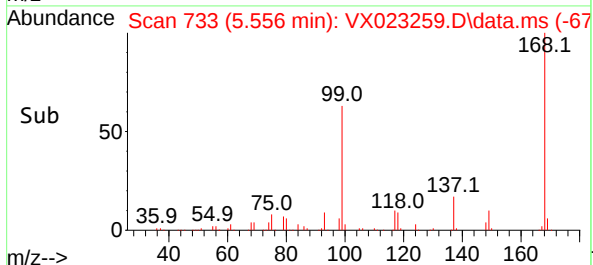
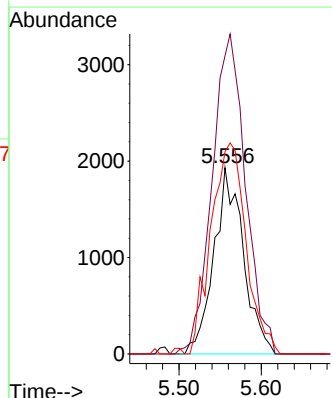
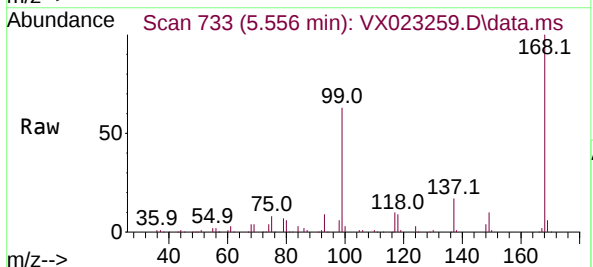
RT: 5.556 min Scan# 733

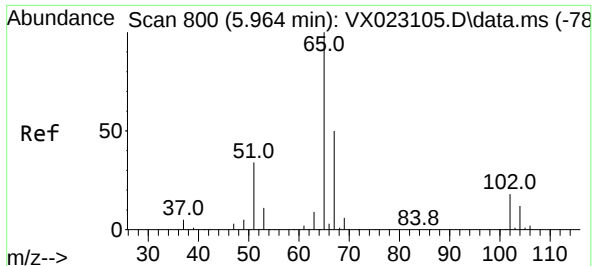
Delta R.T. 0.079 min

Lab File: VX023259.D

Acq: 13 Jul 2021 13:19

Tgt Ion:	56	Resp:	4803
Ion	Ratio	Lower	Upper
56	100		
69	160.1	25.3	37.9#
84	108.6	71.4	107.0#

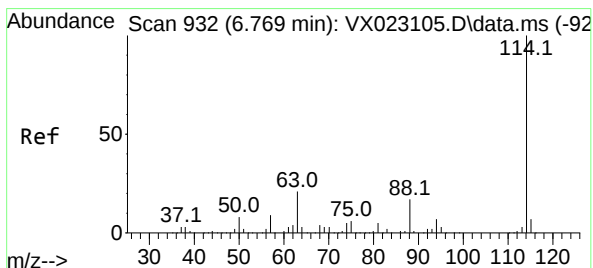
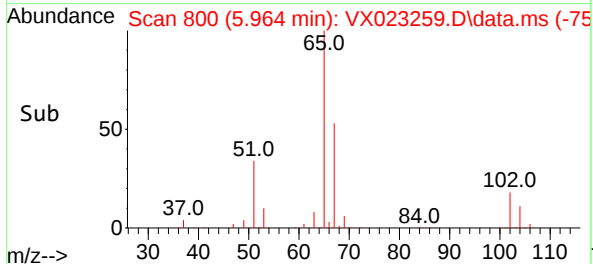
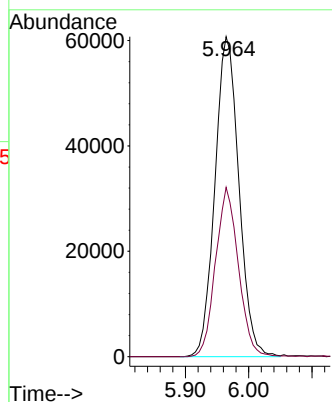
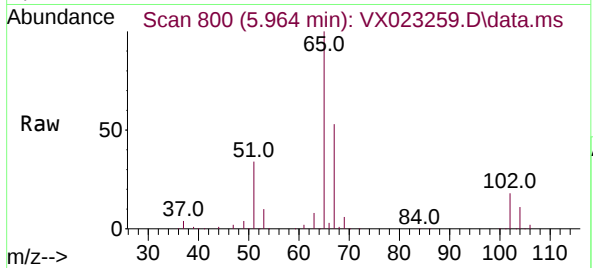




#33
1,2-Dichloroethane-d4
Concen: 50.750 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

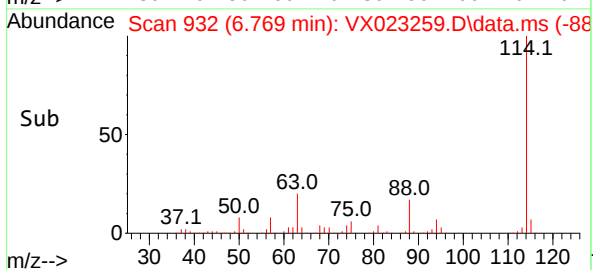
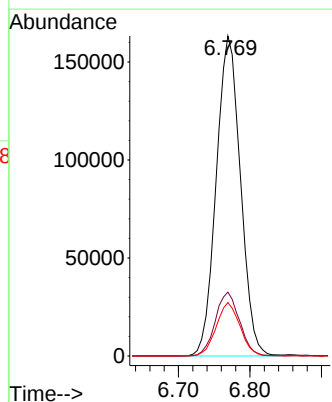
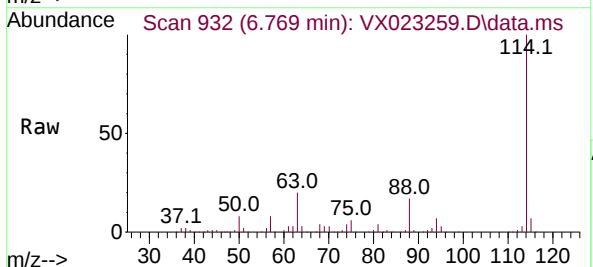
Instrument :
MSVOA_X
ClientSampleId :

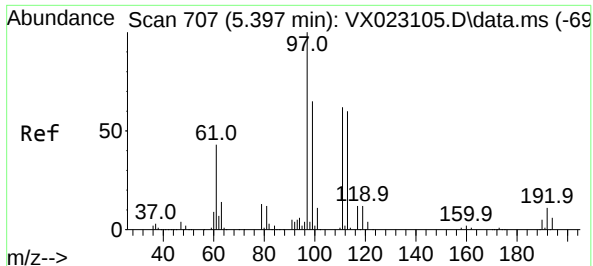
Tgt Ion: 65 Resp: 159766
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

Tgt Ion: 114 Resp: 384318
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.651 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023259.D

Acq: 13 Jul 2021 13:19

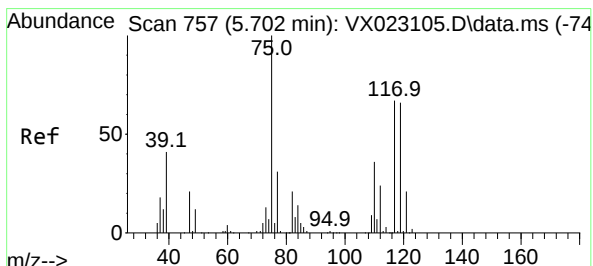
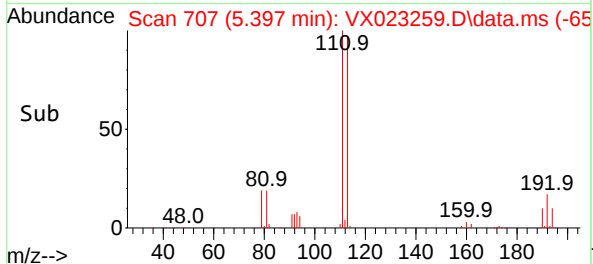
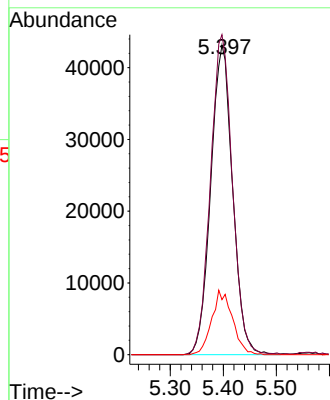
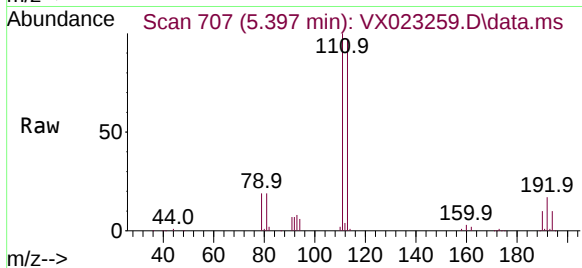
Tgt Ion:113 Resp: 123221

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

192 19.8 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.288 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023259.D

Acq: 13 Jul 2021 13:19

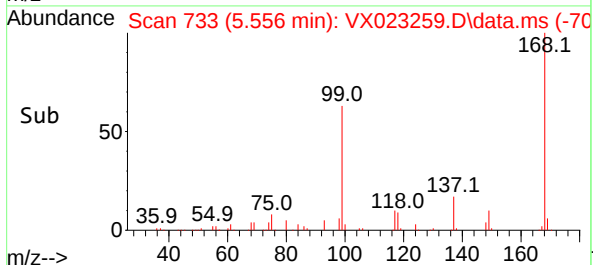
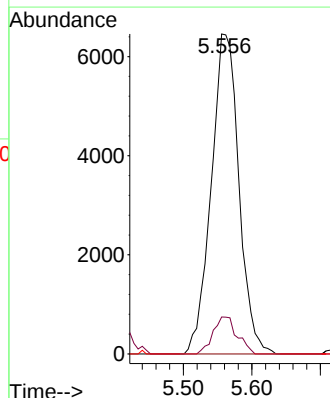
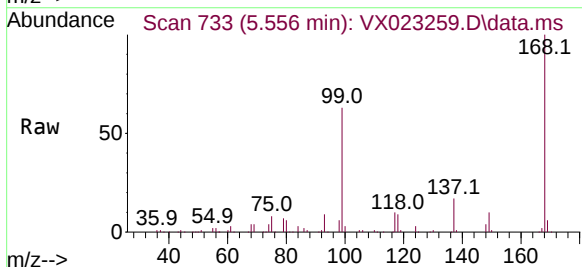
Tgt Ion: 75 Resp: 18117

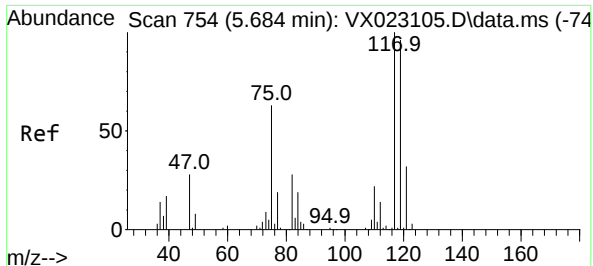
Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.4#

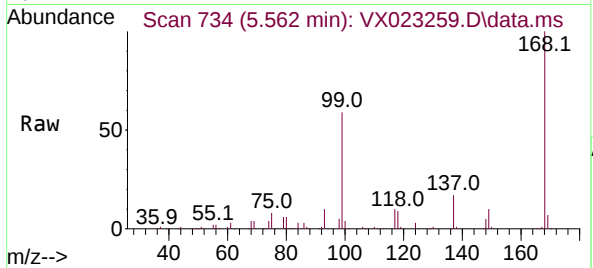
77 0.0 25.3 37.9#



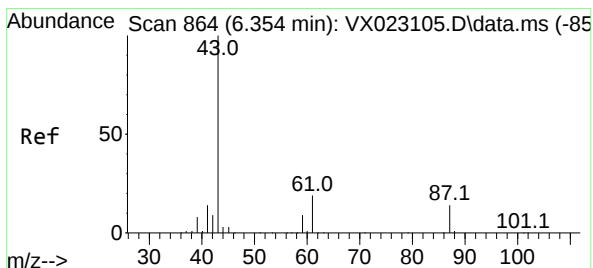
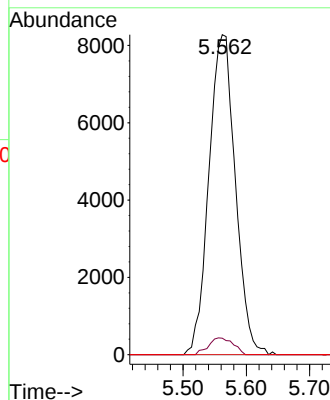
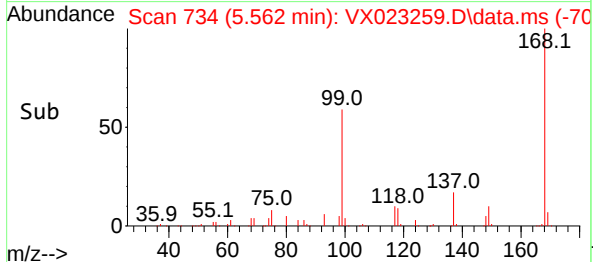


#38
Carbon Tetrachloride
Concen: 6.719 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

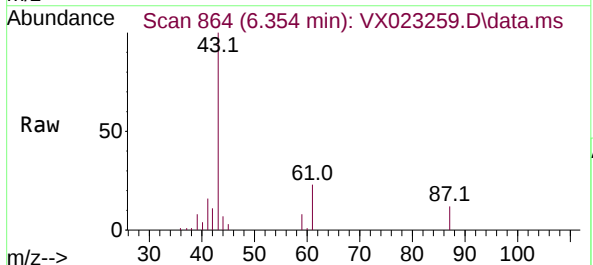
Instrument :
MSVOA_X
ClientSampleId :



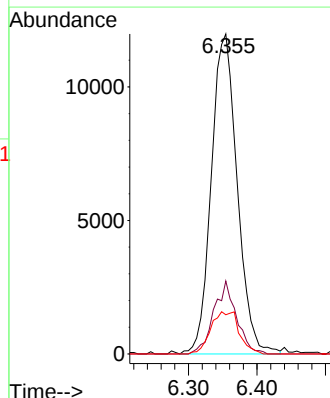
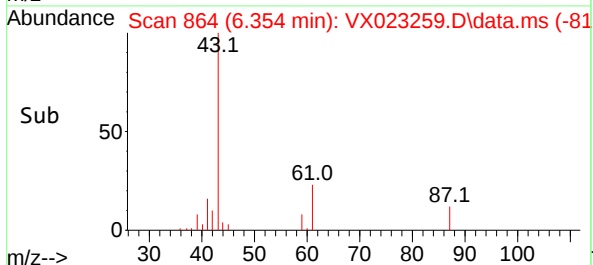
Tgt Ion:117 Resp: 24030
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#

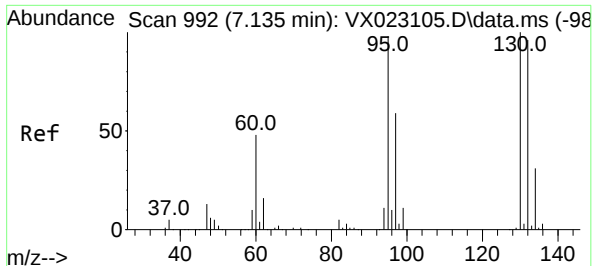


#43
Isopropyl Acetate
Concen: 5.065 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19



Tgt Ion: 43 Resp: 31490
Ion Ratio Lower Upper
43 100
61 20.0 18.2 27.4
87 14.5 12.5 18.7

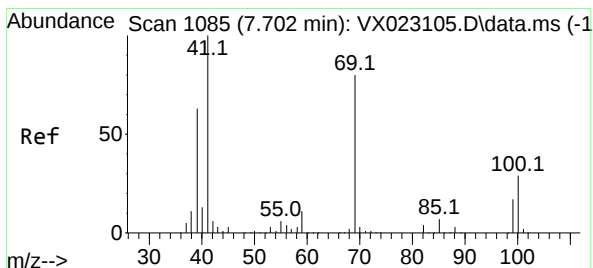
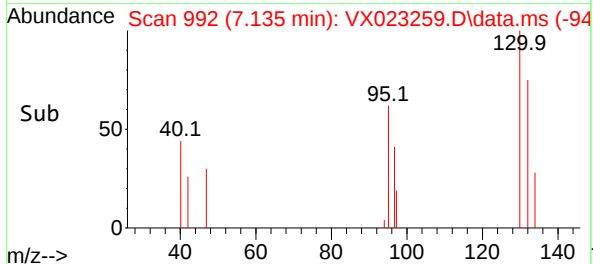
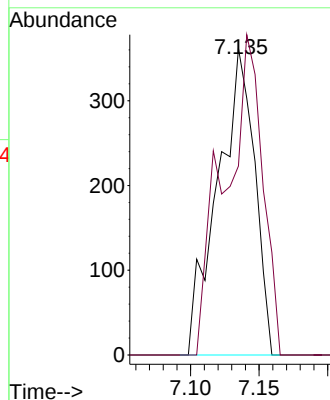
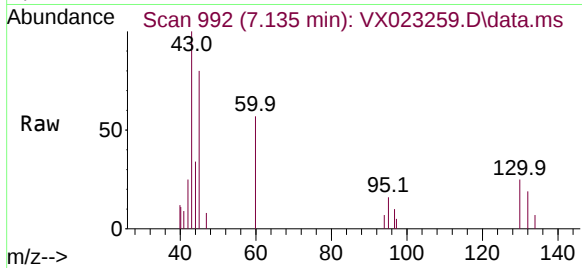




#44
Trichloroethene
Concen: 0.239 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

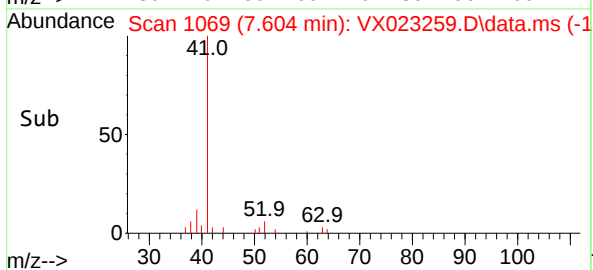
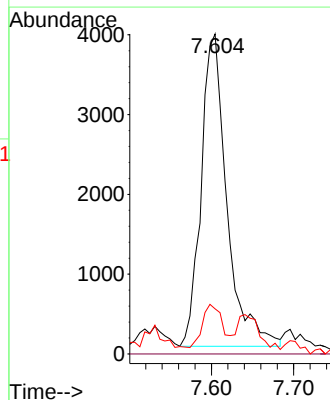
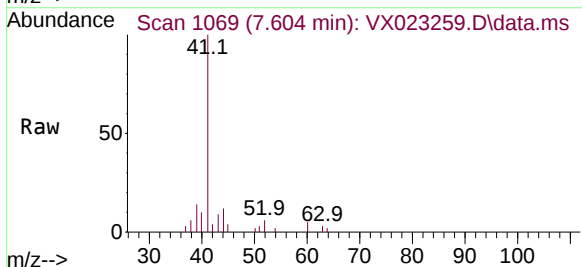
Instrument :
MSVOA_X
ClientSampleId :

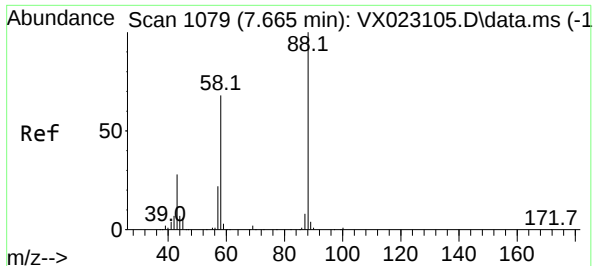
Tgt Ion:130 Resp: 675
Ion Ratio Lower Upper
130 100
95 61.6 0.0 198.0



#48
Methyl methacrylate
Concen: 2.794 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

Tgt Ion: 41 Resp: 8524
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

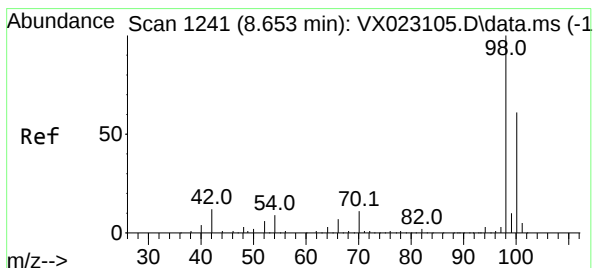
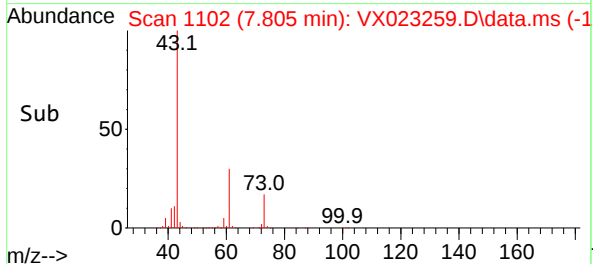
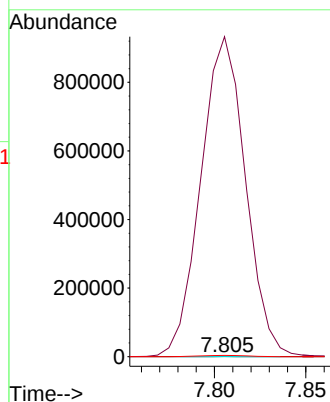
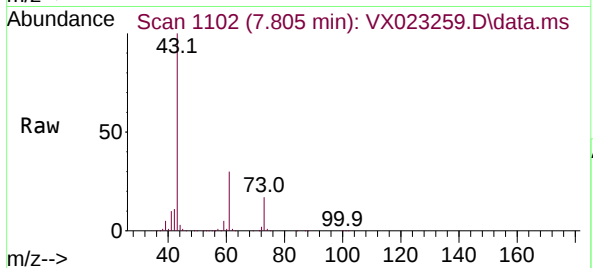




#49
1,4-Dioxane
Concen: 4.341 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

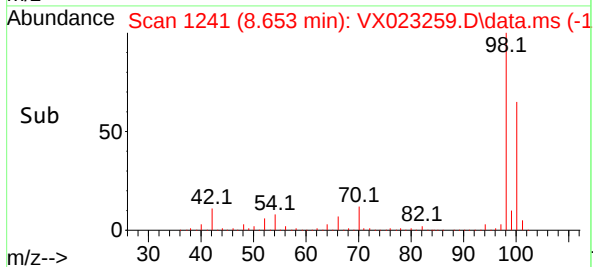
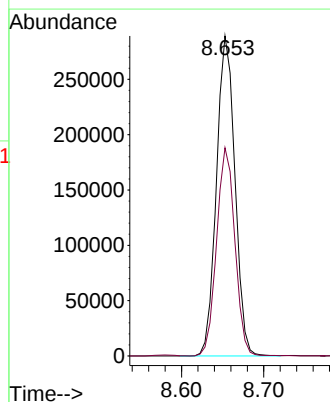
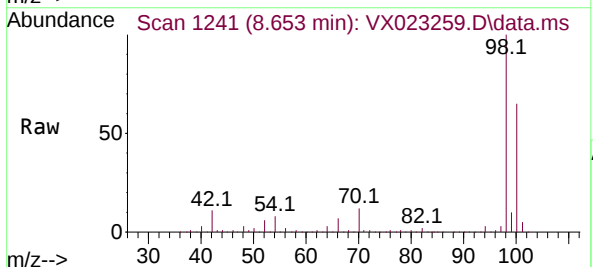
Instrument :
MSVOA_X
ClientSampled :

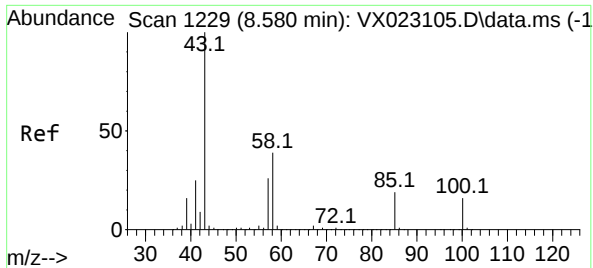
Tgt Ion: 88 Resp: 298
Ion Ratio Lower Upper
88 100
43 535816.4 23.2 34.8#
58 2331.5 55.0 82.4#



#50
Toluene-d8
Concen: 48.839 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

Tgt Ion: 98 Resp: 452129
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

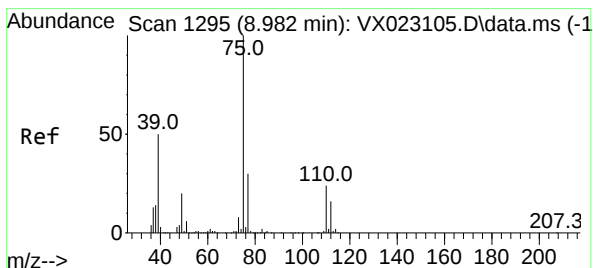
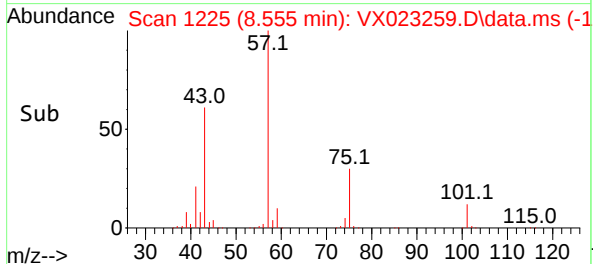
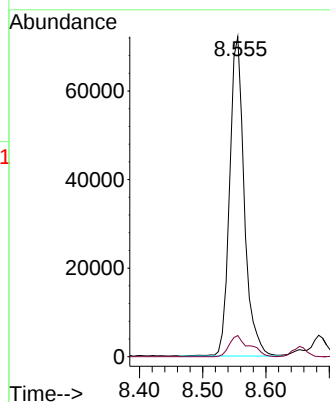
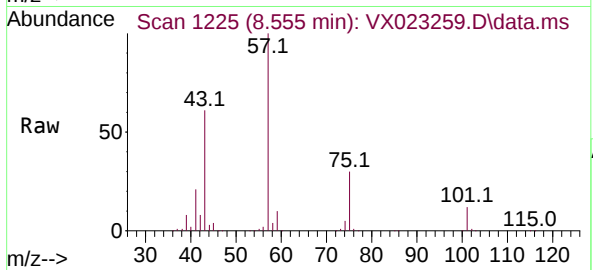




#51
4-Methyl-2-Pentanone
Concen: 30.068 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

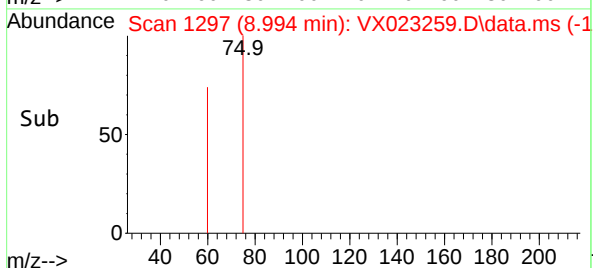
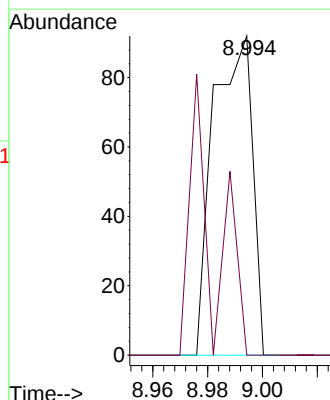
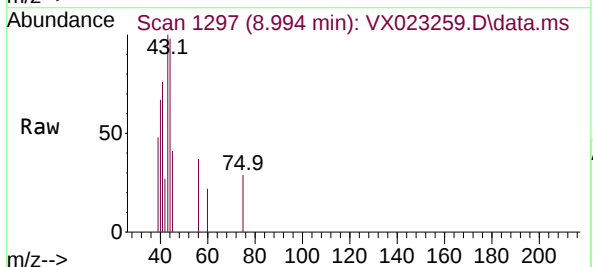
Instrument :
MSVOA_X
ClientSampleId :

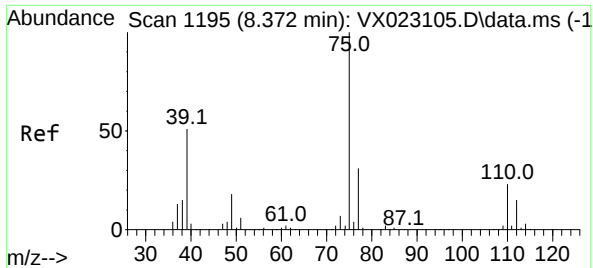
Tgt Ion: 43 Resp: 115829
Ion Ratio Lower Upper
43 100
58 9.0 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.757 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

Tgt Ion: 75 Resp: 91
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

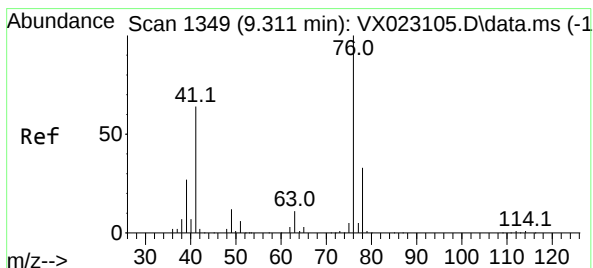
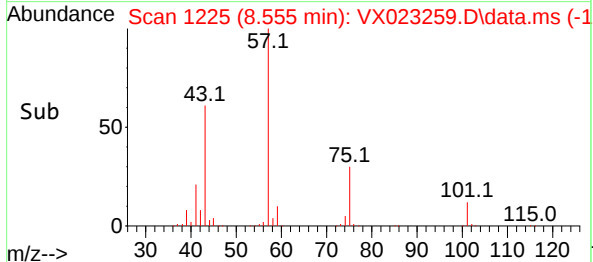
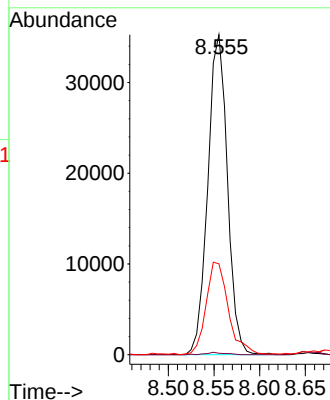
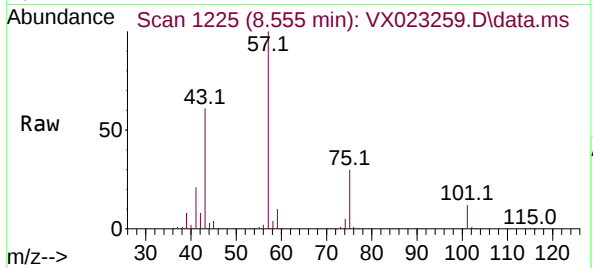




#54
 cis-1,3-Dichloropropene
 Concen: 13.434 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023259.D
 Acq: 13 Jul 2021 13:19

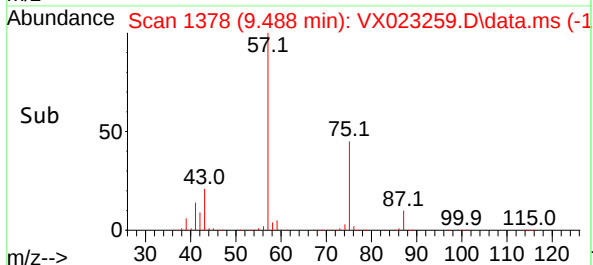
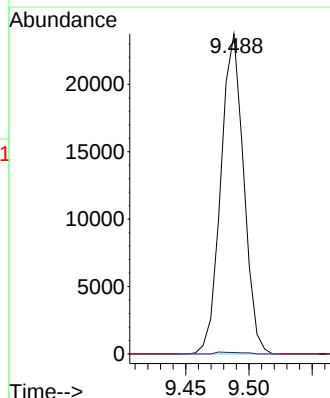
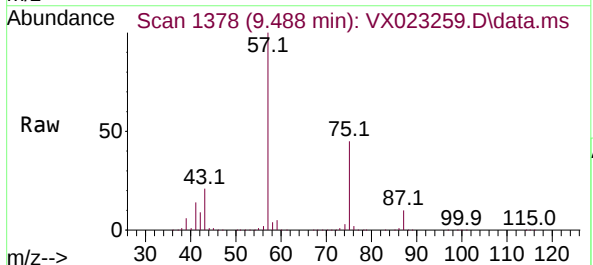
Instrument :
 MSVOA_X
 ClientSampleId :

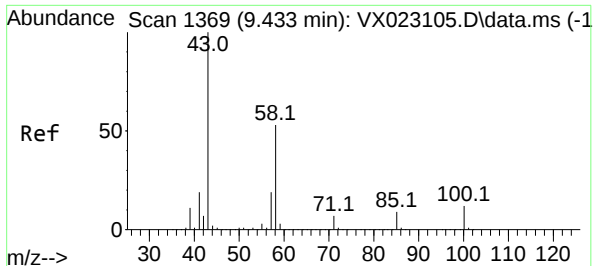
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.5	25.7	38.5#
39	28.4	35.1	52.7#



#57
 1,3-Dichloropropane
 Concen: 6.659 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023259.D
 Acq: 13 Jul 2021 13:19

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.7	26.2	39.2#

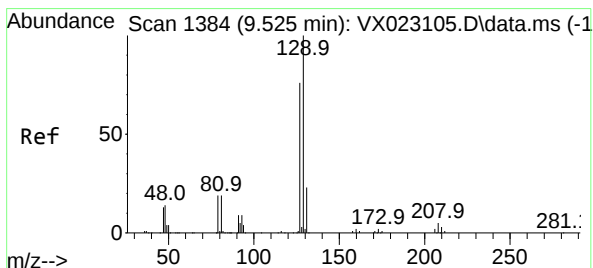
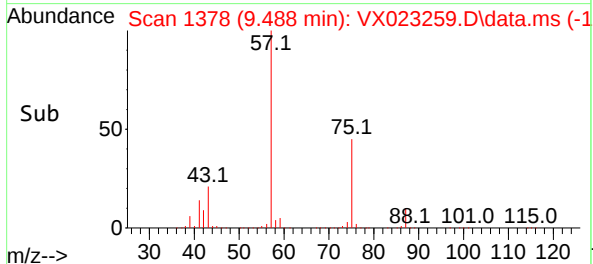
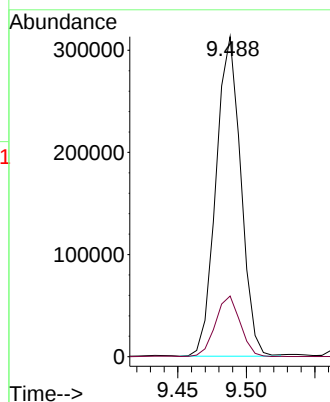
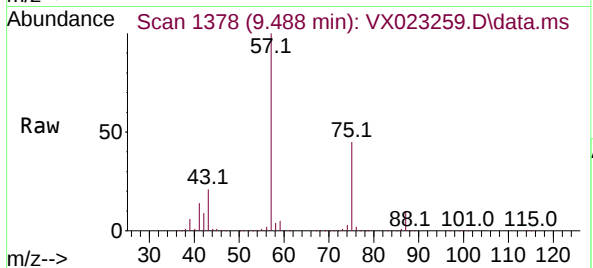




#59
2-Hexanone
Concen: 133.446 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

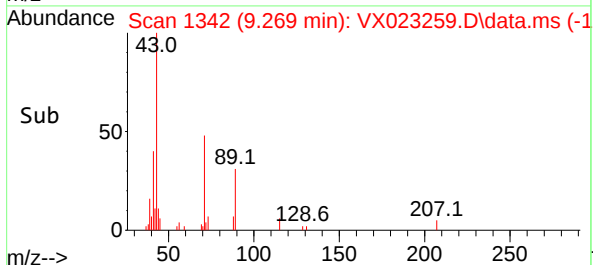
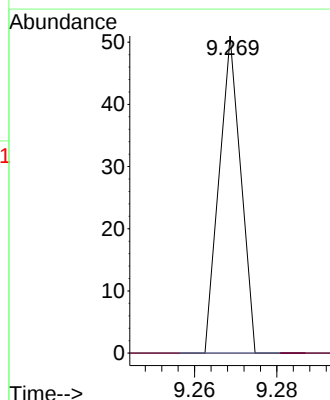
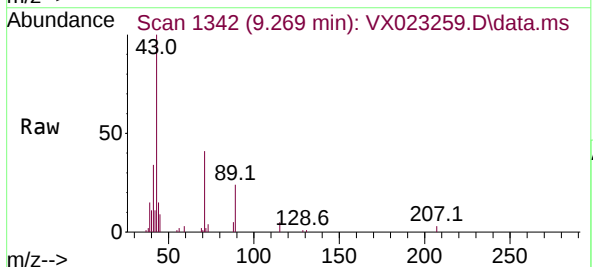
Instrument :
MSVOA_X
ClientSampled :

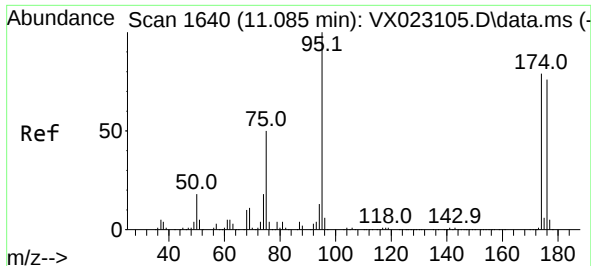
Tgt Ion: 43 Resp: 394429
Ion Ratio Lower Upper
43 100
58 18.9 30.9 92.8#



#60
Dibromochloromethane
Concen: 3.119 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

Tgt Ion: 129 Resp: 19
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

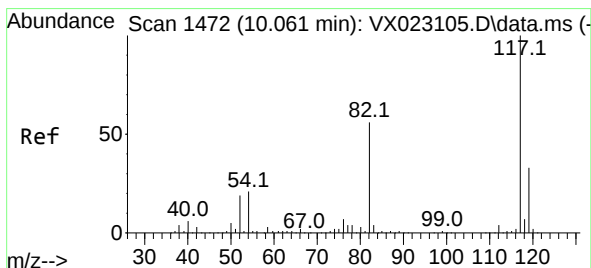
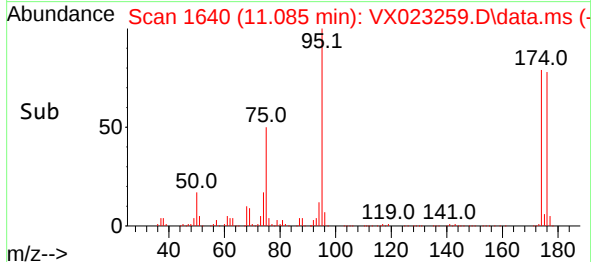
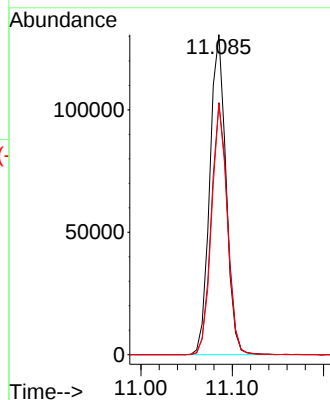
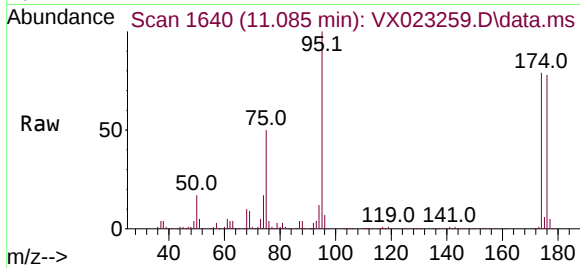




#62
4-Bromofluorobenzene
Concen: 44.890 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

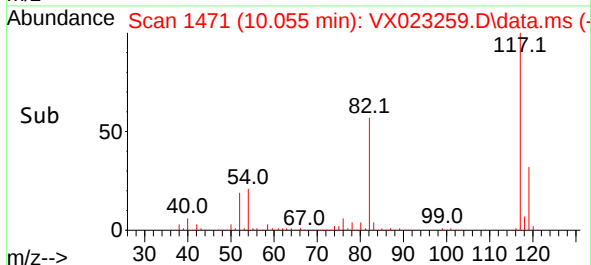
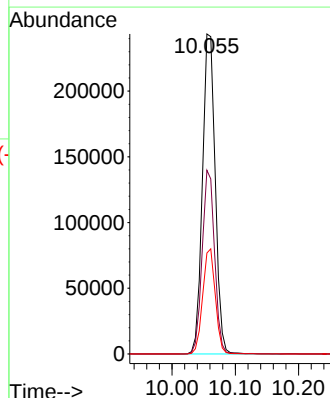
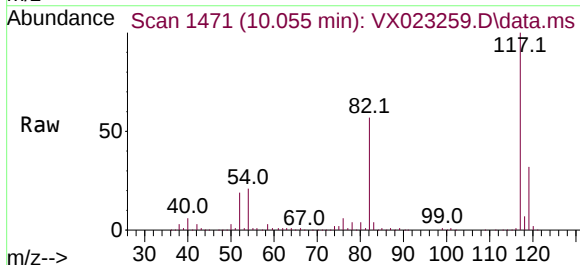
Instrument :
MSVOA_X
ClientSampleId :

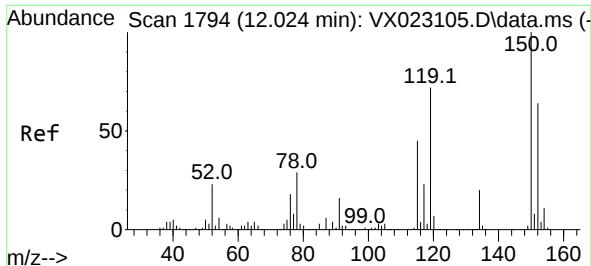
Tgt Ion: 95 Resp: 160433
Ion Ratio Lower Upper
95 100
174 78.9 0.0 154.6
176 75.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

Tgt Ion: 117 Resp: 342901
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 31.5 26.6 39.8

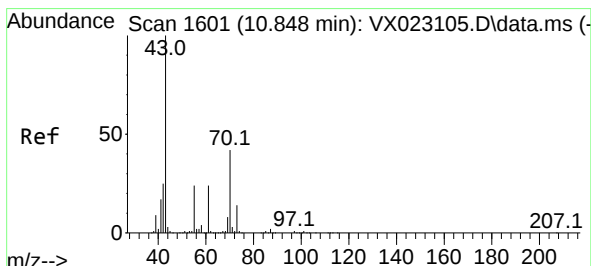
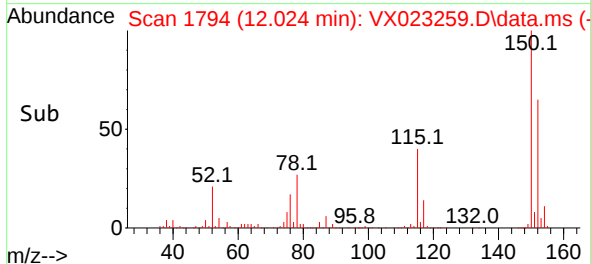
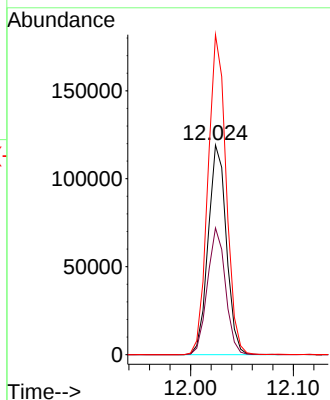
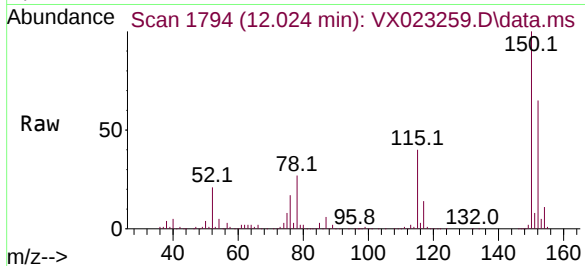




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

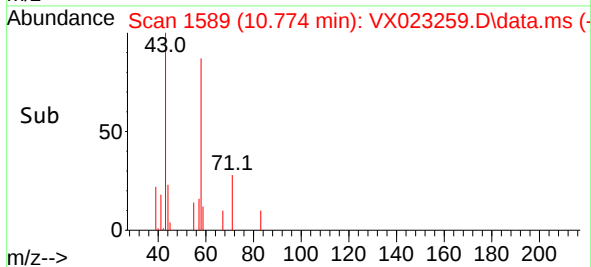
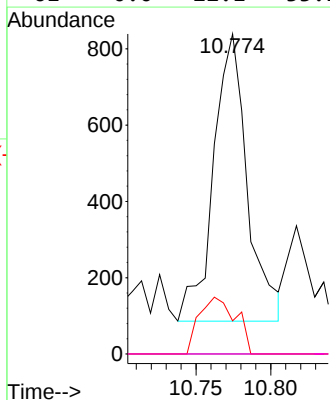
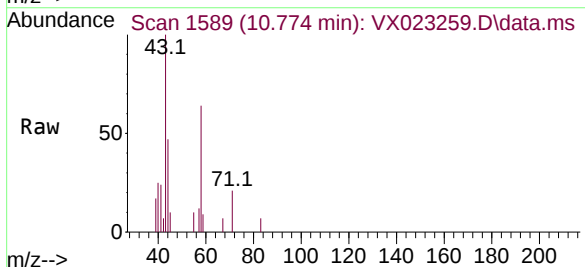
Instrument :
MSVOA_X
ClientSampleId :

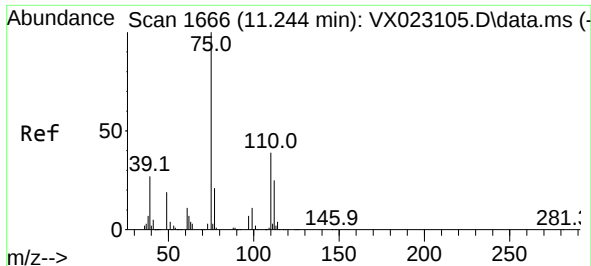
Tgt Ion:152 Resp: 146665
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 152.6 0.0 349.0



#74
N-ethyl acetate
Concen: 0.271 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

Tgt Ion: 43 Resp: 1186
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 21.5 21.5 32.3#
61 0.0 22.1 33.1#

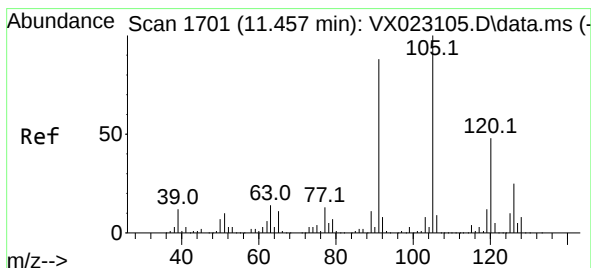
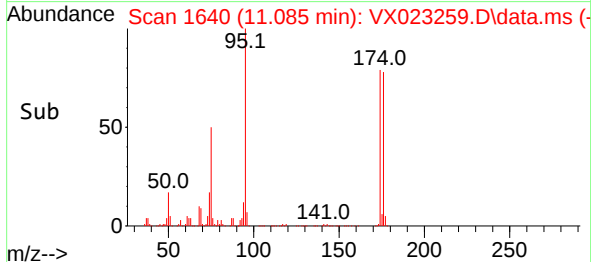
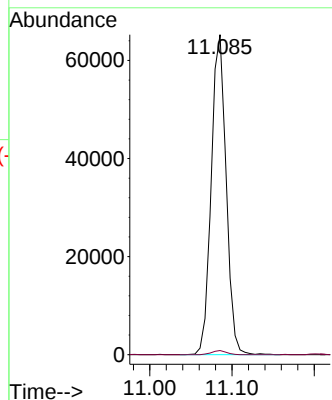
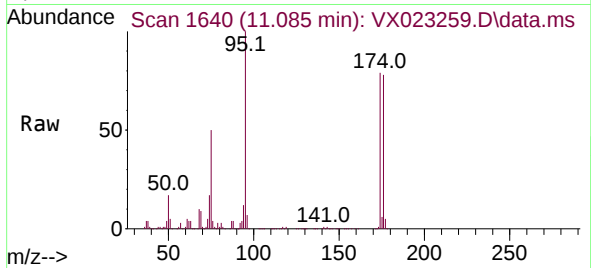




#76
1,2,3-Trichloropropane
Concen: 27.842 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

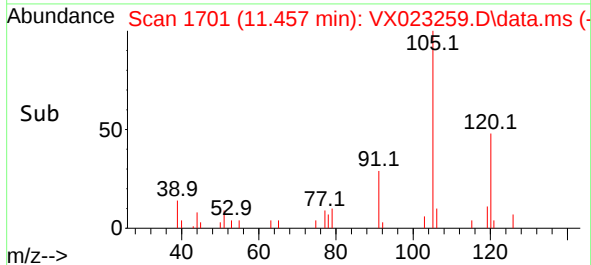
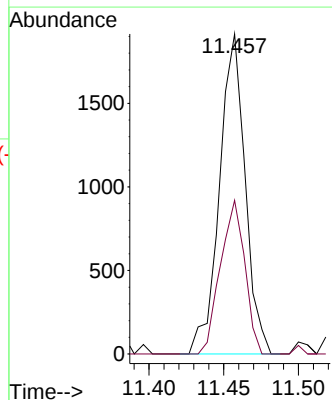
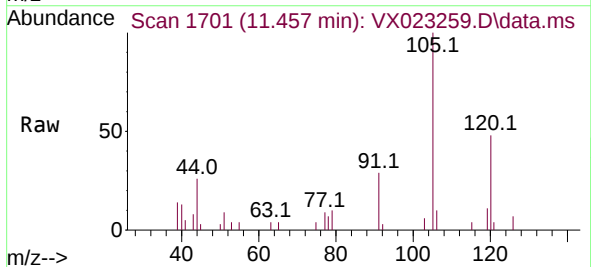
Instrument :
MSVOA_X
ClientSampleId :

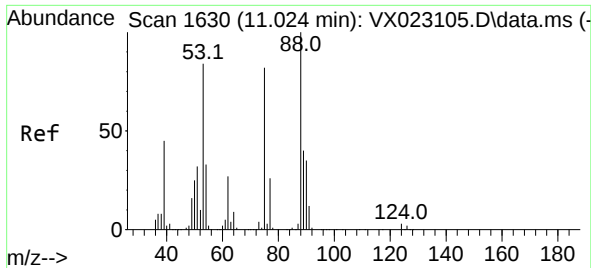
Tgt Ion: 75 Resp: 82173
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.257 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

Tgt Ion:105 Resp: 2287
Ion Ratio Lower Upper
105 100
120 45.5 23.8 71.5

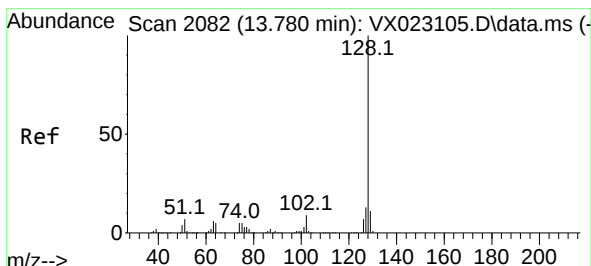
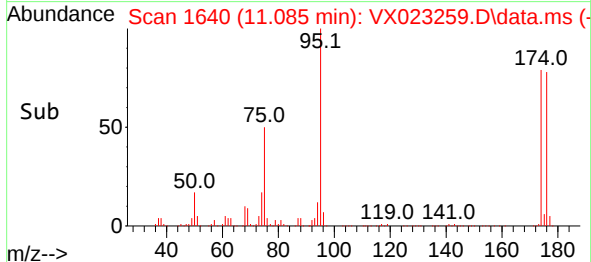
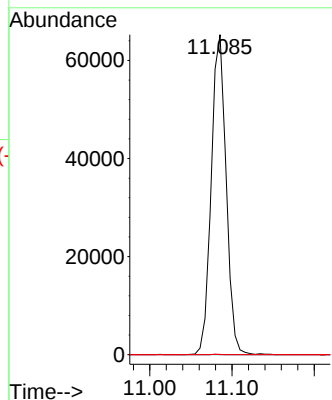
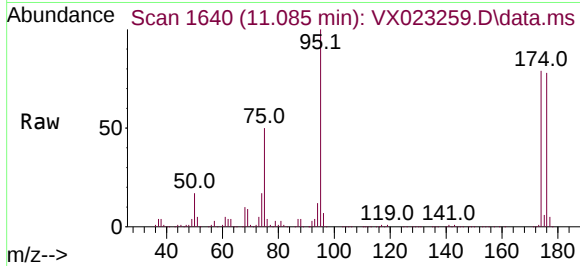




#81
trans-1,4-Dichloro-2-butene
Concen: 75.099 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 82173
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.336 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023259.D
Acq: 13 Jul 2021 13:19

Tgt Ion:128 Resp: 682
Ion Ratio Lower Upper
128 100
127 11.0 10.3 15.5
129 0.0 8.8 13.2#

