

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071321\
 Data File : VX023261.D
 Acq On : 13 Jul 2021 14:06
 Operator : JC/MD
 Sample : PB137639ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 14 04:52:52 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)

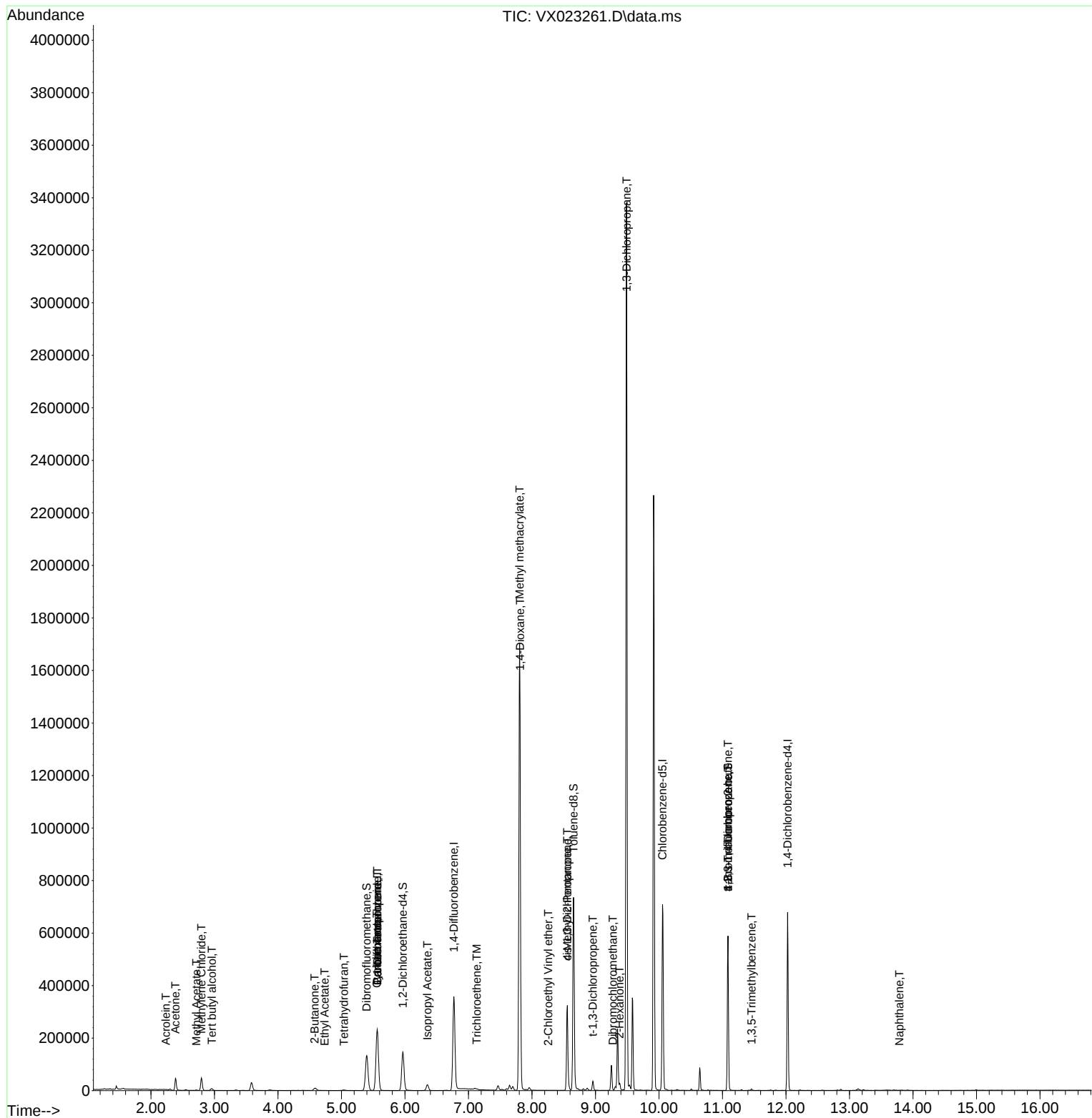
Internal Standards						
1) Pentafluorobenzene	5.562	168	219298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	362002	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	326175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	149447	50.705	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.420%			
35) Dibromofluoromethane	5.398	113	116162	49.692	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.380%			
50) Toluene-d8	8.653	98	432613	49.611	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.220%			
62) 4-Bromofluorobenzene	11.086	95	153197	45.508	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.020%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	481	Below Cal	#	50
11) Tert butyl alcohol	2.959	59	4817	7.769	ug/l #	81
13) Acrolein	2.233	56	167	0.404	ug/l #	28
16) Acetone	2.386	43	47870	41.053	ug/l	92
18) Methyl Acetate	2.715	43	2069	0.731	ug/l	92
20) Methylene Chloride	2.794	84	21210	8.448	ug/l	98
25) 2-Butanone	4.574	43	8792	5.000	ug/l #	88
29) Tetrahydrofuran	5.038	42	1924	1.702	ug/l	93
31) Cyclohexane	5.556	56	4708	1.334	ug/l #	6
36) 1,1-Dichloropropene	5.562	75	16792	5.203	ug/l #	49
37) Ethyl Acetate	4.733	43	1059	0.301	ug/l #	64
38) Carbon Tetrachloride	5.562	117	22310	6.623	ug/l #	16
43) Isopropyl Acetate	6.355	43	30060	5.133	ug/l	94
44) Trichloroethene	7.129	130	577	0.217	ug/l	71
48) Methyl methacrylate	7.806	41	151123	52.595	ug/l #	37
49) 1,4-Dioxane	7.812	88	256	3.959	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	110440	30.436	ug/l #	46
53) t-1,3-Dichloropropene	8.958	75	18	2.741	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	51605	13.932	ug/l #	63
57) 1,3-Dichloropropane	9.488	76	28675	6.813	ug/l #	43
58) 2-Chloroethyl Vinyl ether	8.257	63	43	4.709	ug/l #	45
59) 2-Hexanone	9.378	43	11681	4.196	ug/l #	19
60) Dibromochloromethane	9.275	129	57	3.131	ug/l #	11
76) 1,2,3-Trichloropropane	11.086	75	78116	28.325	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	2425	0.292	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.086	75	78116	76.320	ug/l #	12
95) Naphthalene	13.786	128	506	1.324	ug/l #	69

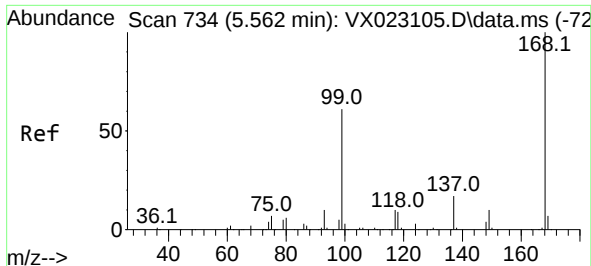
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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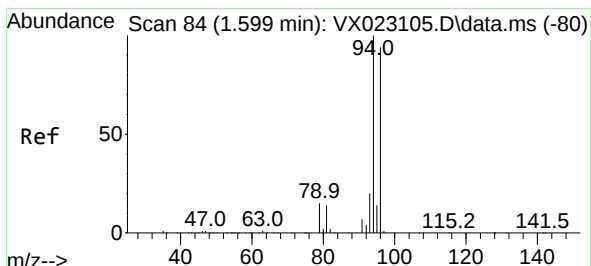
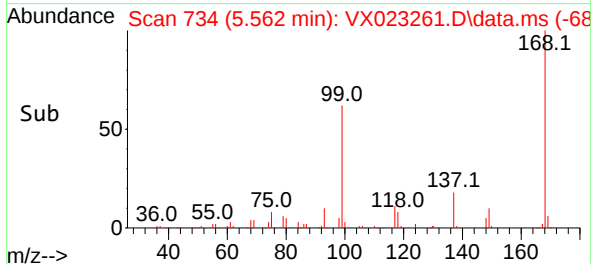
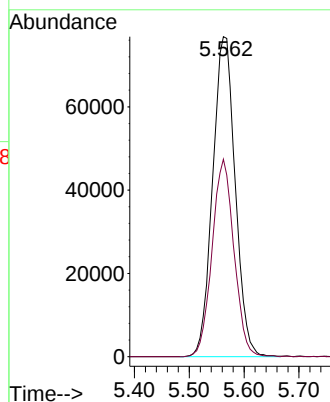
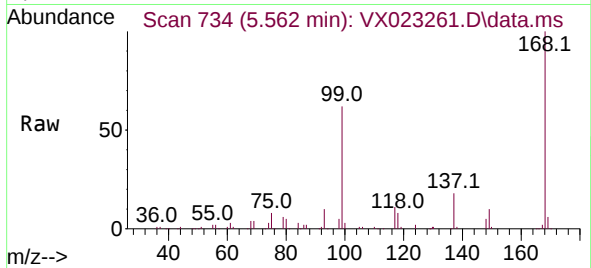




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

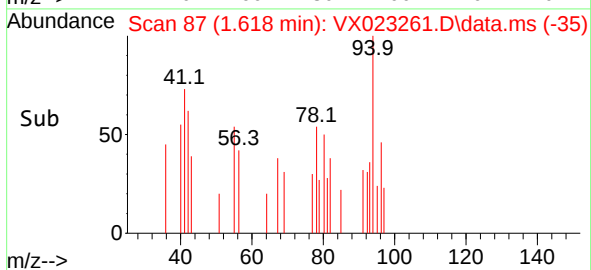
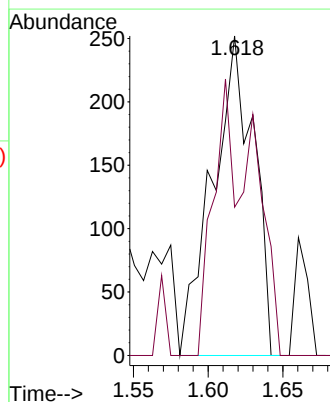
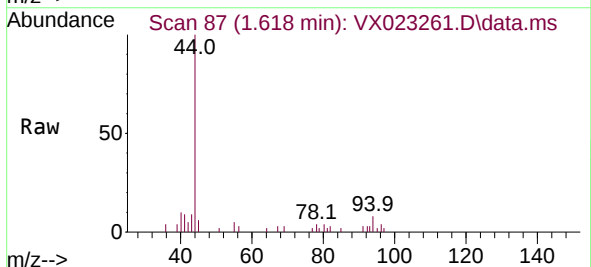
Instrument :
MSVOA_X
ClientSampleId :

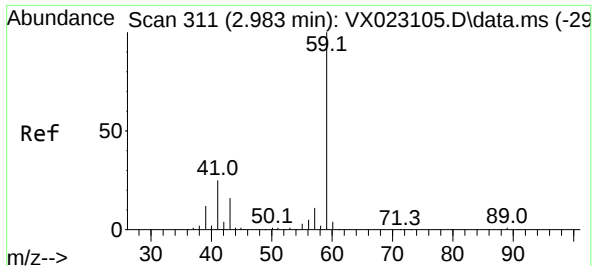
Tgt Ion:168 Resp: 219298
Ion Ratio Lower Upper
168 100
99 61.7 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

Tgt Ion: 94 Resp: 481
Ion Ratio Lower Upper
94 100
96 46.4 76.4 114.6#



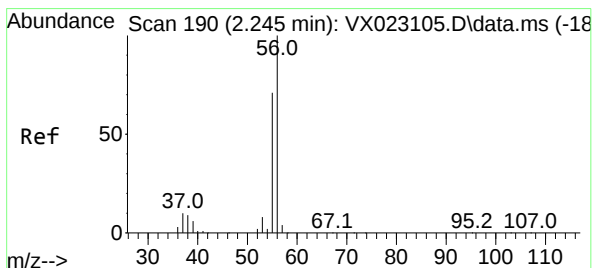
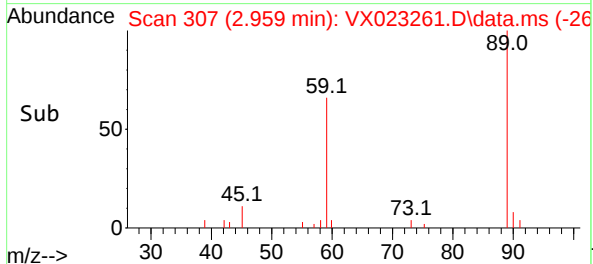
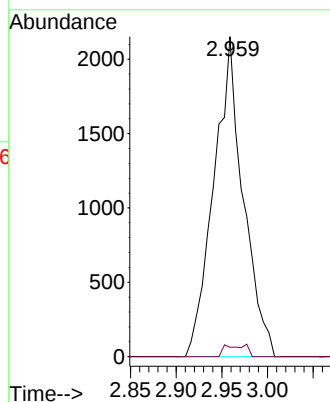
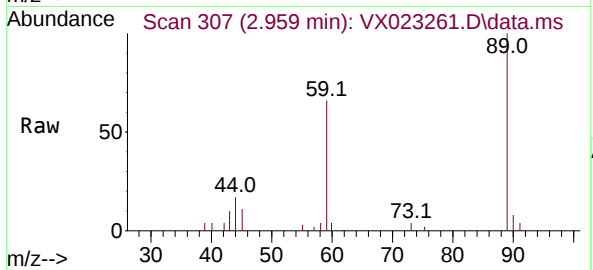


#11

Tert butyl alcohol
Concen: 7.769 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

Instrument :
MSVOA_X
ClientSampled :

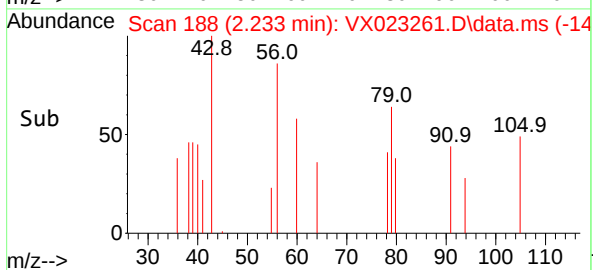
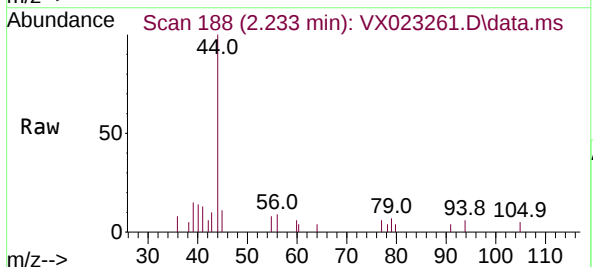
Tgt Ion: 59 Resp: 4817
Ion Ratio Lower Upper
59 100
57 2.7 7.8 11.8#

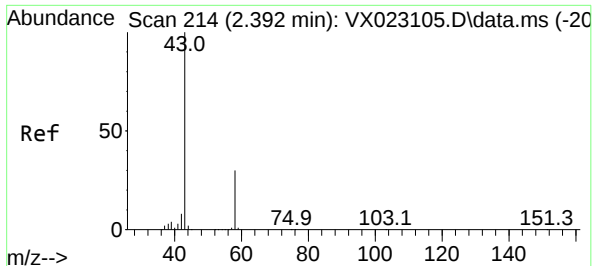


#13

Acrolein
Concen: 0.404 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.012 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 129.9 56.4 84.6#

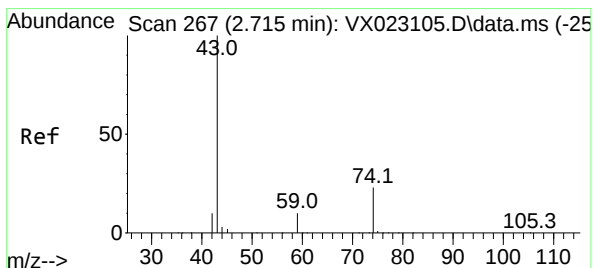
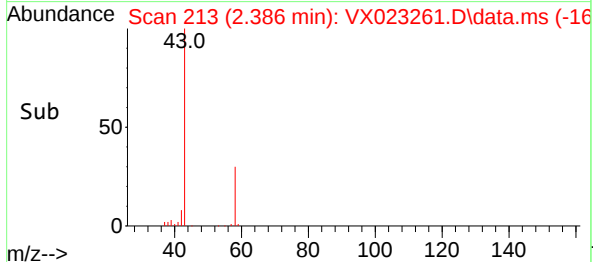
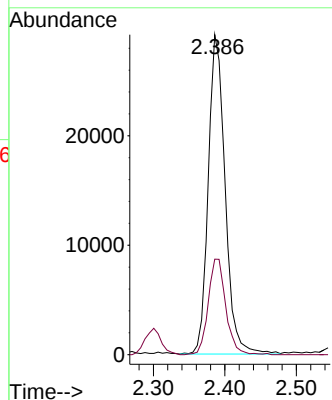
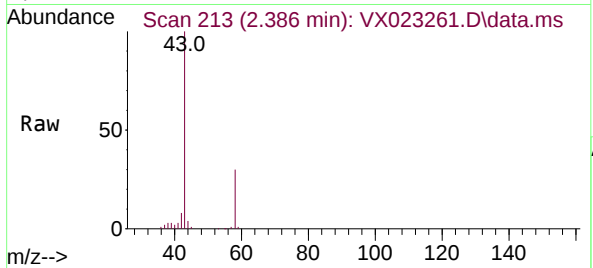




#16
Acetone
Concen: 41.053 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

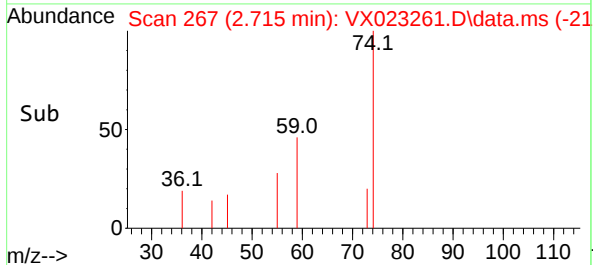
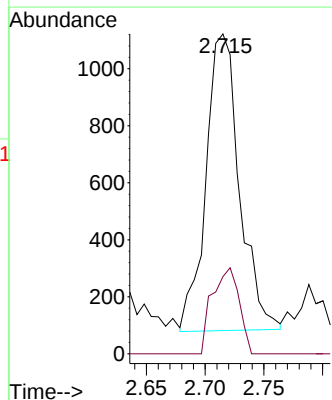
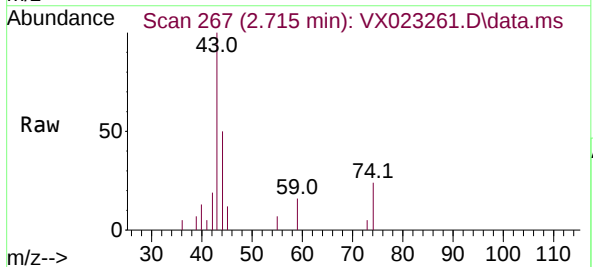
Instrument :
MSVOA_X
ClientSampled :

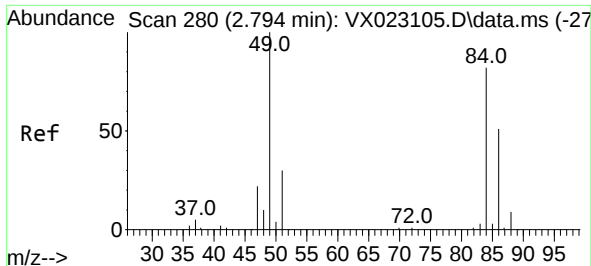
Tgt Ion: 43 Resp: 47870
Ion Ratio Lower Upper
43 100
58 29.9 27.8 41.8



#18
Methyl Acetate
Concen: 0.731 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

Tgt Ion: 43 Resp: 2069
Ion Ratio Lower Upper
43 100
74 23.2 21.9 32.9

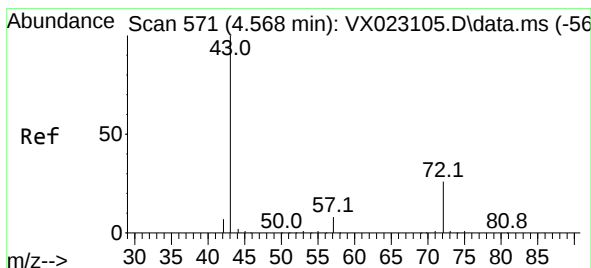
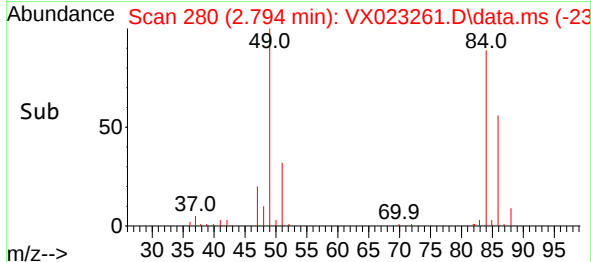
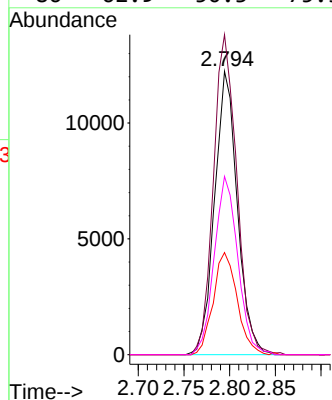
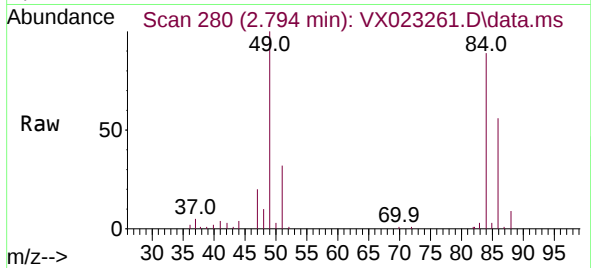




#20
Methylene Chloride
Concen: 8.448 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

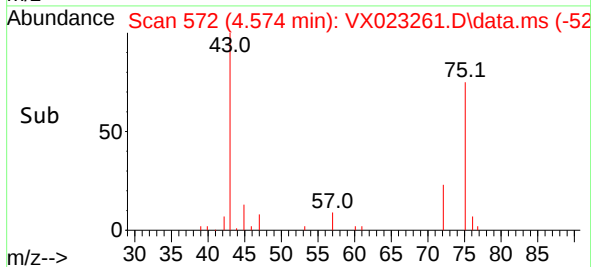
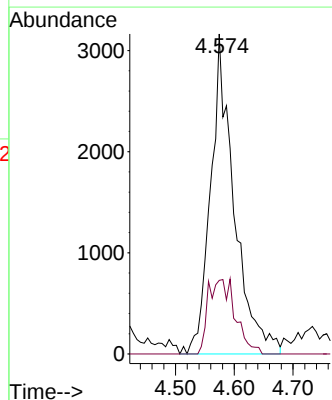
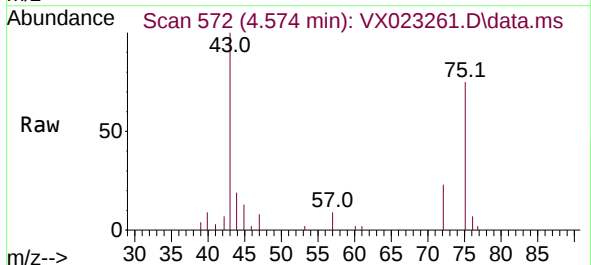
Instrument :
MSVOA_X
ClientSampleId :

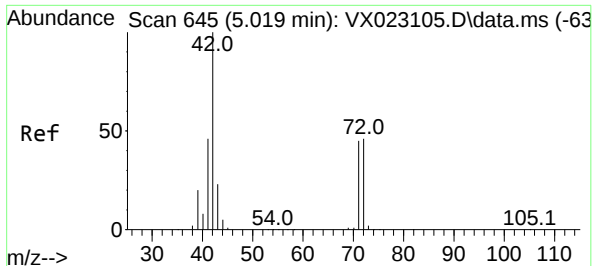
Tgt Ion:	84	Resp:	21210
Ion	Ratio	Lower	Upper
84	100		
49	112.9	88.6	132.8
51	36.0	27.0	40.6
86	62.9	50.3	75.5



#25
2-Butanone
Concen: 5.000 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

Tgt Ion:	43	Resp:	8792
Ion	Ratio	Lower	Upper
43	100		
72	23.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.702 ug/l

RT: 5.038 min Scan# 648

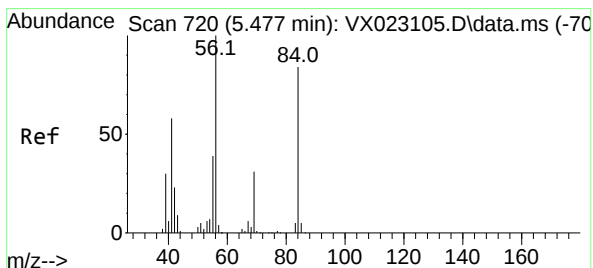
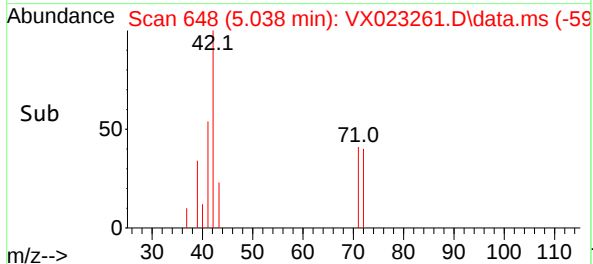
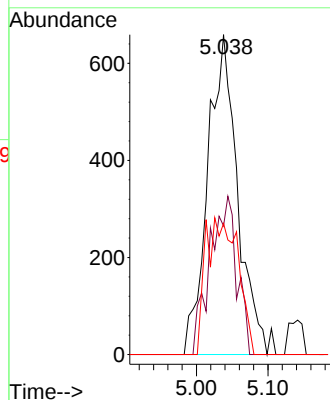
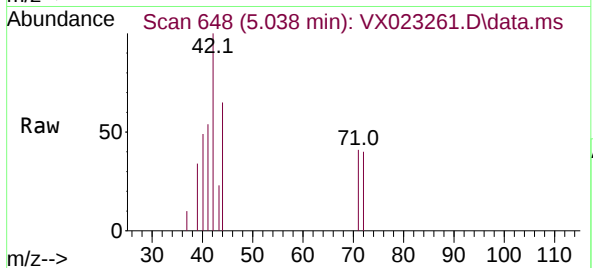
Delta R.T. 0.019 min

Lab File: VX023261.D

Acq: 13 Jul 2021 14:06

Tgt Ion:	42	Resp:	1924
Ion	Ratio	Lower	Upper
42	100		
72	44.3	41.7	62.5
71	45.9	38.4	57.6

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.334 ug/l

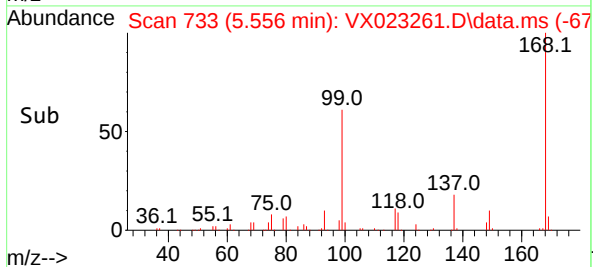
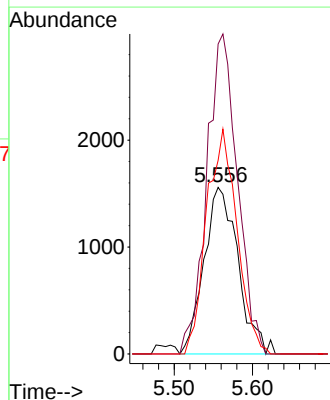
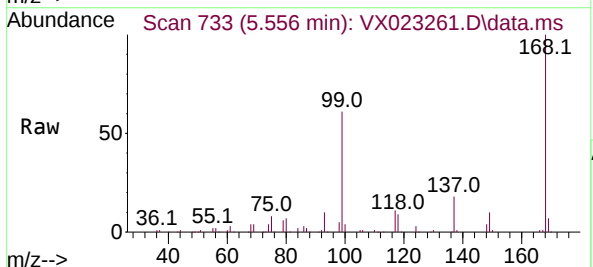
RT: 5.556 min Scan# 733

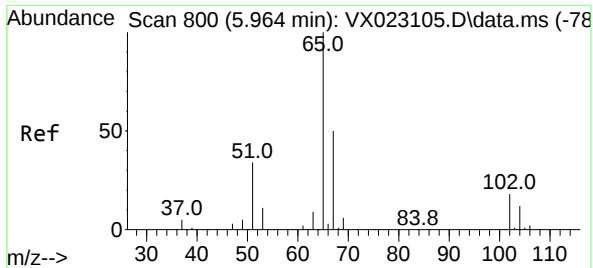
Delta R.T. 0.079 min

Lab File: VX023261.D

Acq: 13 Jul 2021 14:06

Tgt Ion:	56	Resp:	4708
Ion	Ratio	Lower	Upper
56	100		
69	186.1	25.3	37.9#
84	116.2	71.4	107.0#

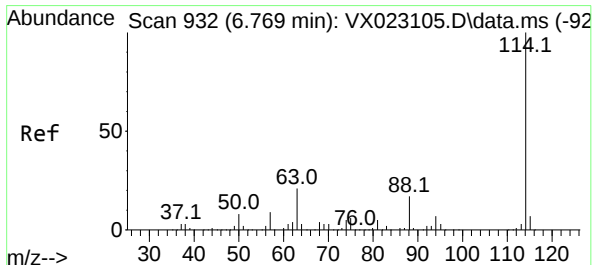
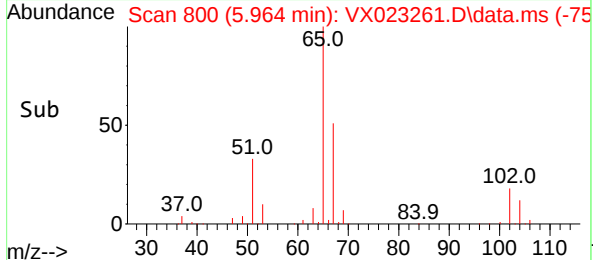
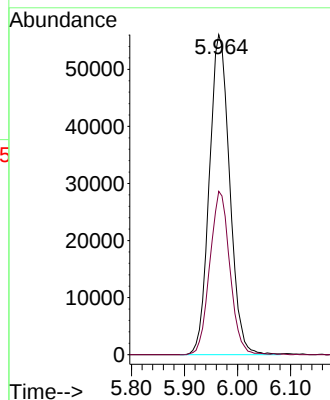
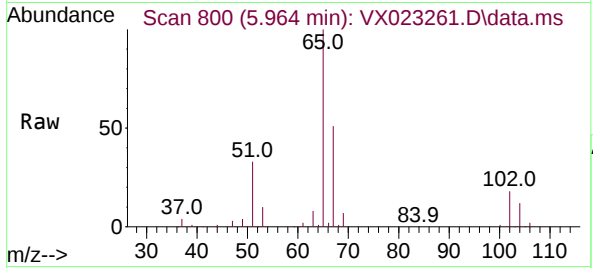




#33
 1,2-Dichloroethane-d4
 Concen: 50.705 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023261.D
 Acq: 13 Jul 2021 14:06

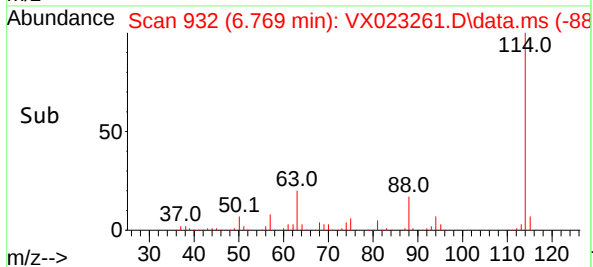
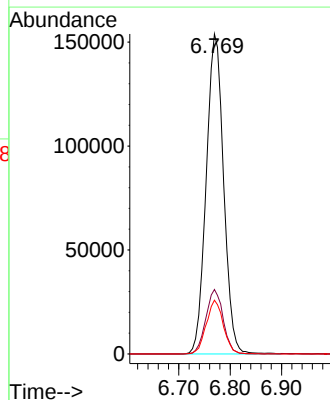
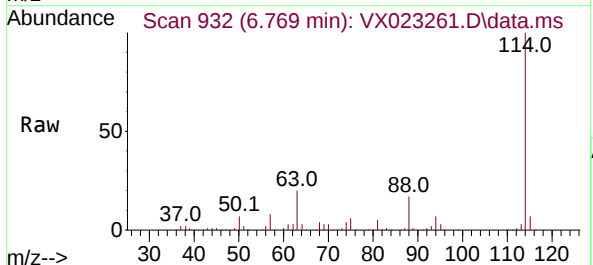
Instrument :
 MSVOA_X
 ClientSampled :

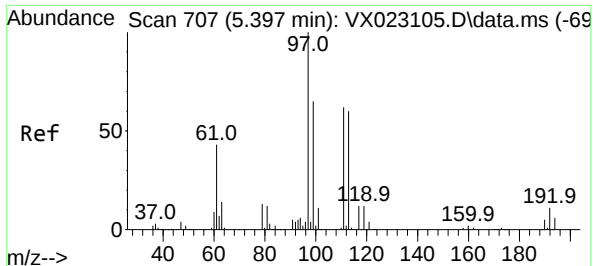
Tgt Ion: 65 Resp: 149447
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023261.D
 Acq: 13 Jul 2021 14:06

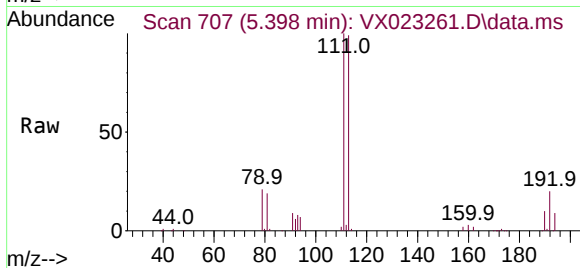
Tgt Ion: 114 Resp: 362002
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 16.8 0.0 32.8



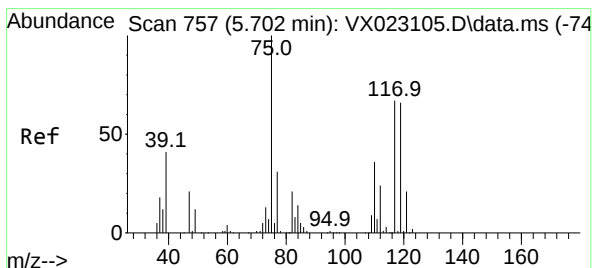
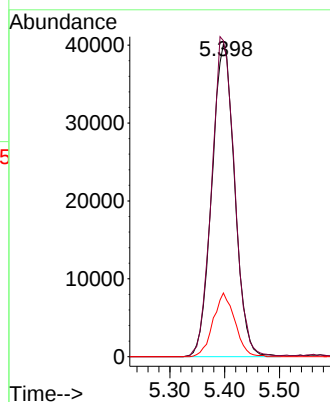
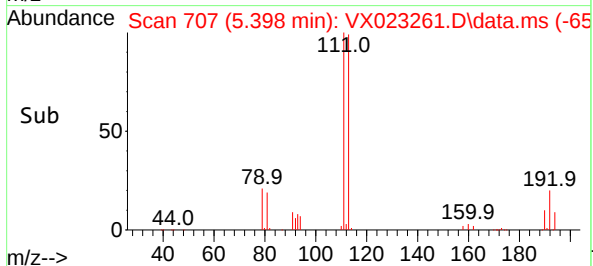


#35
Dibromofluoromethane
Concen: 49.692 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

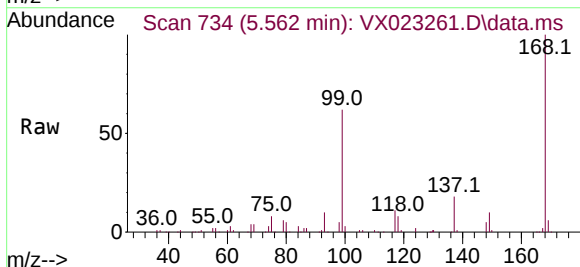
Instrument :
MSVOA_X
ClientSampled :



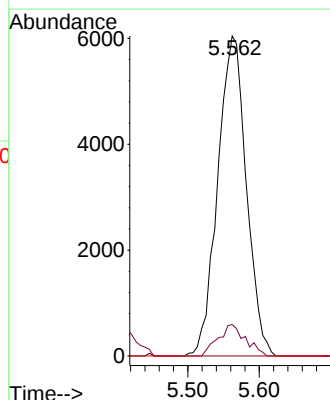
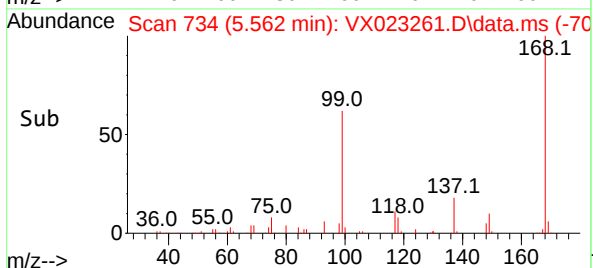
Tgt Ion:113 Resp: 116162
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 19.4 16.7 25.1

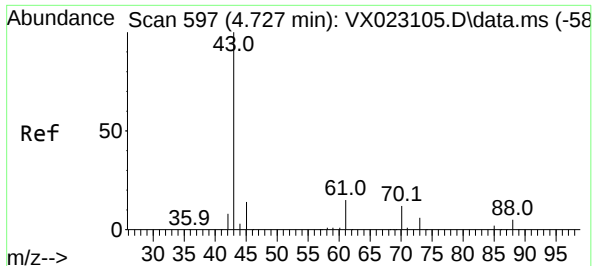


#36
1,1-Dichloropropene
Concen: 5.203 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06



Tgt Ion: 75 Resp: 16792
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.301 ug/l

RT: 4.733 min Scan# 598

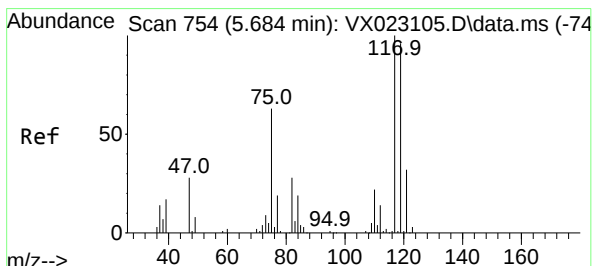
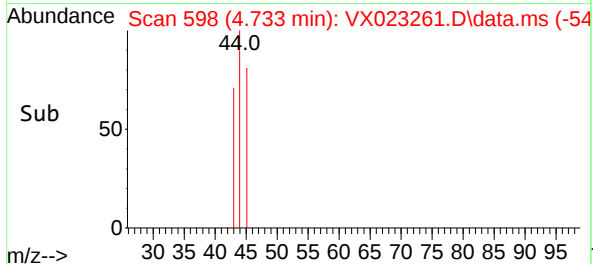
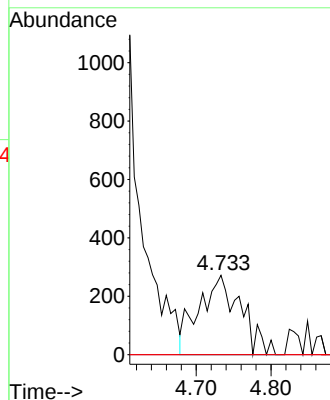
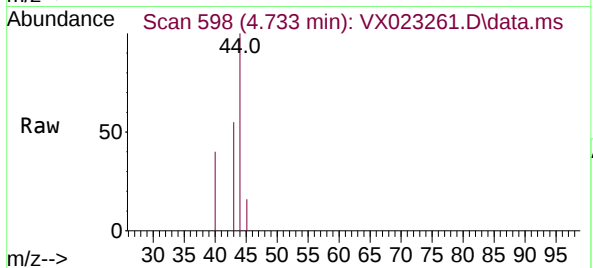
Delta R.T. 0.006 min

Lab File: VX023261.D

Acq: 13 Jul 2021 14:06

Tgt Ion:	43	Resp:	1059
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.623 ug/l

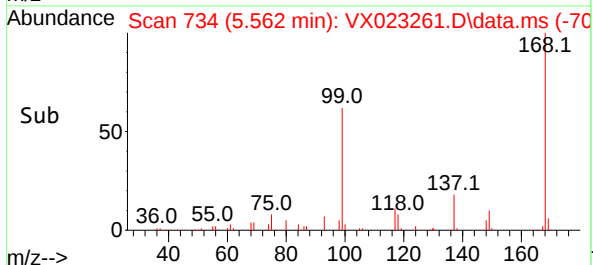
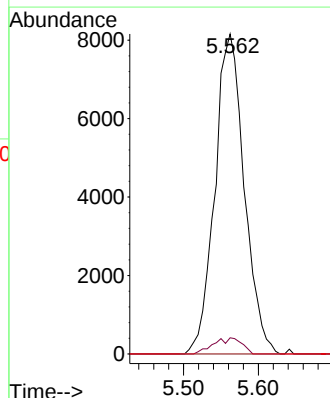
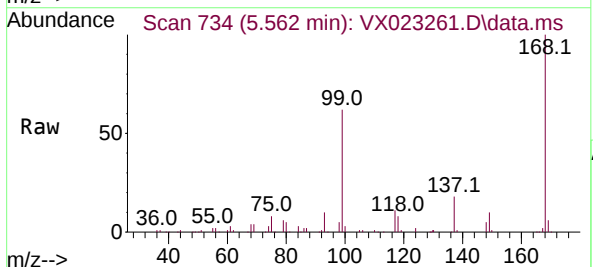
RT: 5.562 min Scan# 734

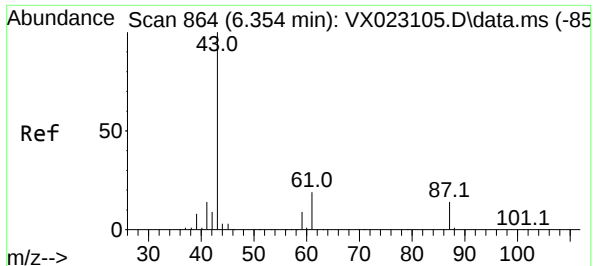
Delta R.T. -0.122 min

Lab File: VX023261.D

Acq: 13 Jul 2021 14:06

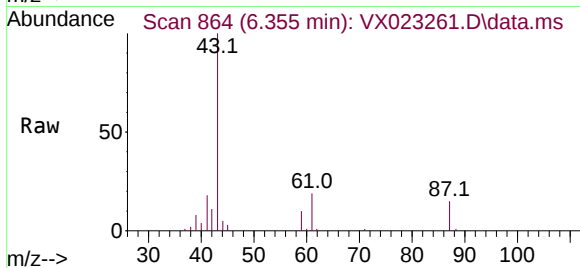
Tgt Ion:	117	Resp:	22310
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.2	114.2#
121	0.0	24.8	37.2#



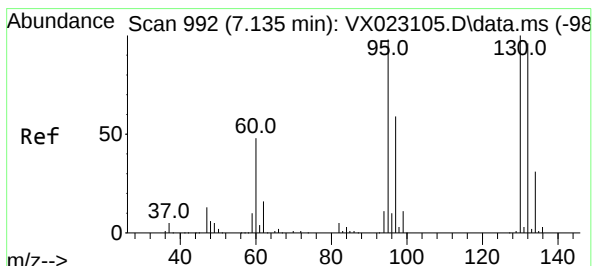
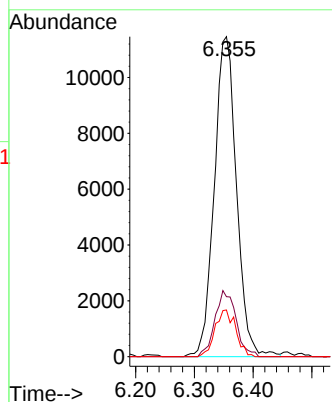
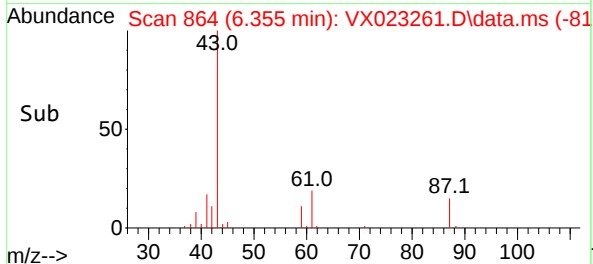


#43
Isopropyl Acetate
Concen: 5.133 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

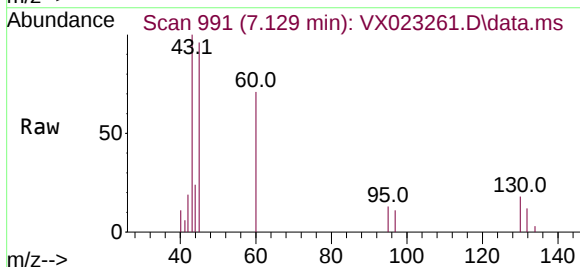
Instrument :
MSVOA_X
ClientSampled :



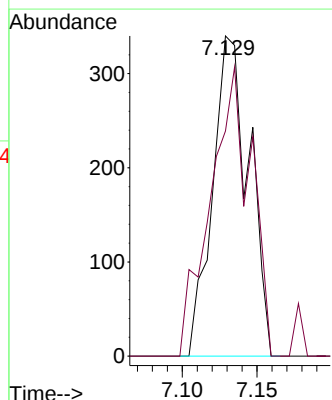
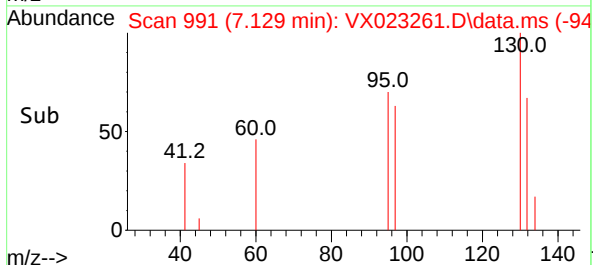
Tgt Ion: 43 Resp: 30060
Ion Ratio Lower Upper
43 100
61 19.7 18.2 27.4
87 13.6 12.5 18.7

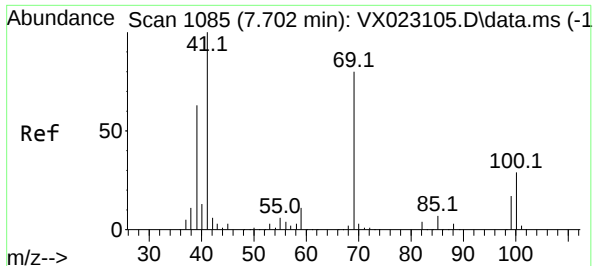


#44
Trichloroethene
Concen: 0.217 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06



Tgt Ion: 130 Resp: 577
Ion Ratio Lower Upper
130 100
95 70.3 0.0 198.0





#48

Methyl methacrylate

Concen: 52.595 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.104 min

Lab File: VX023261.D

Acq: 13 Jul 2021 14:06

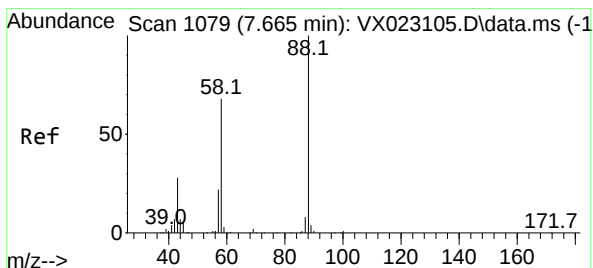
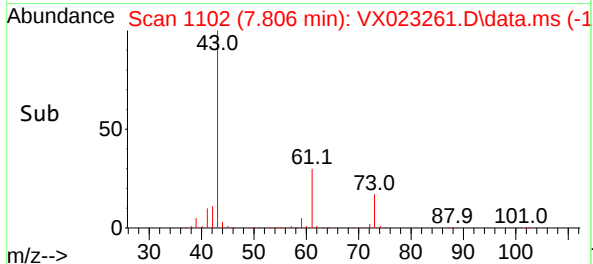
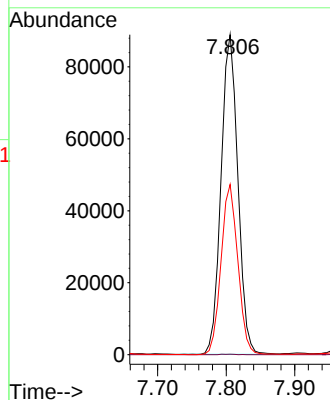
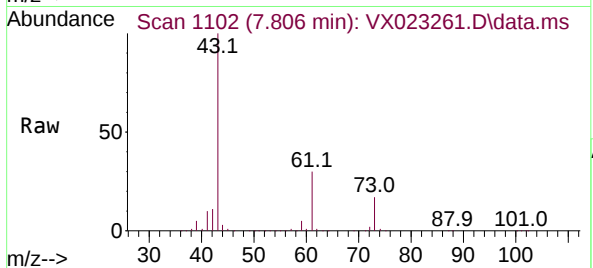
Tgt Ion: 41 Resp: 151123

Ion Ratio Lower Upper

41 100

69 0.1 76.0 114.0#

39 53.3 44.6 67.0



#49

1,4-Dioxane

Concen: 3.959 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.147 min

Lab File: VX023261.D

Acq: 13 Jul 2021 14:06

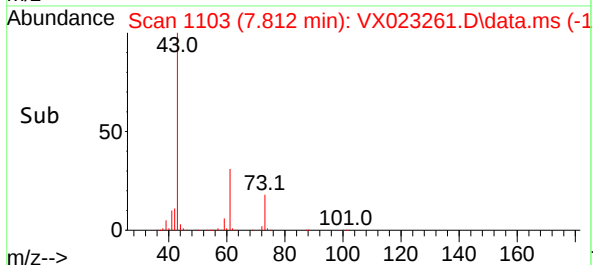
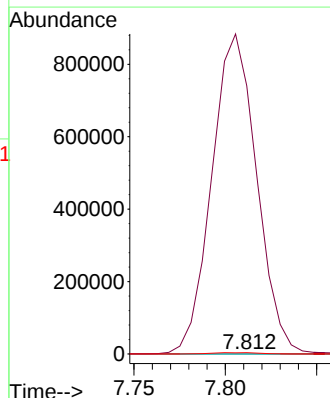
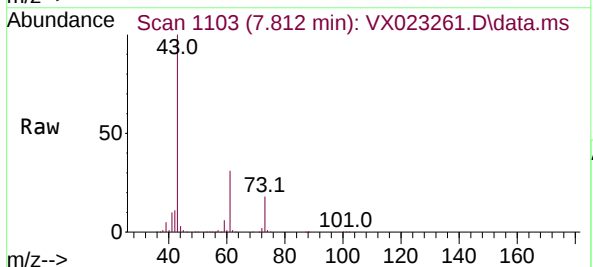
Tgt Ion: 88 Resp: 256

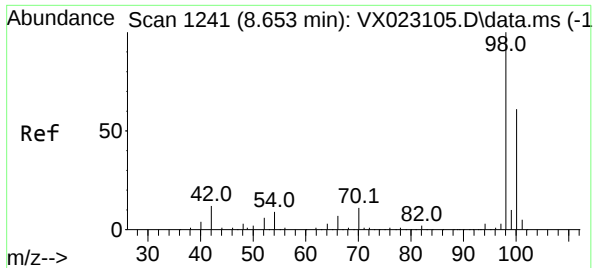
Ion Ratio Lower Upper

88 100

43 593463.3 23.2 34.8#

58 2573.4 55.0 82.4#

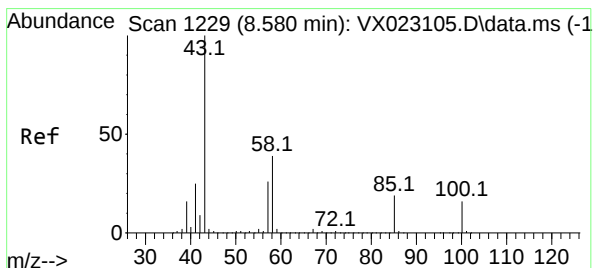
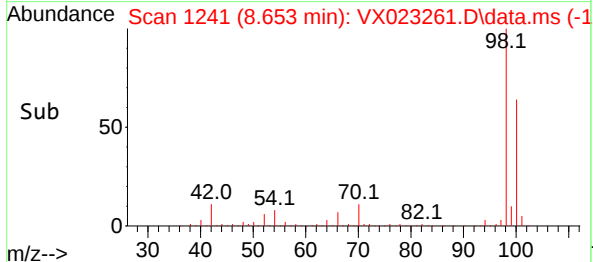
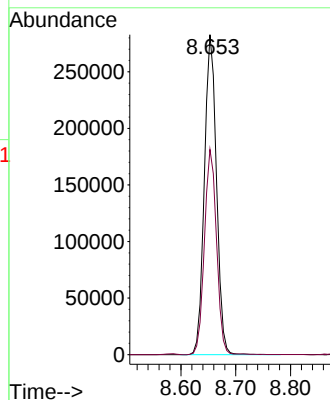
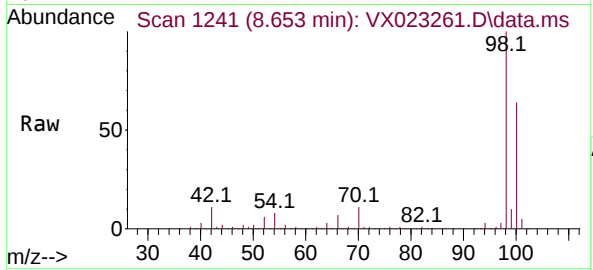




#50
Toluene-d8
Concen: 49.611 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

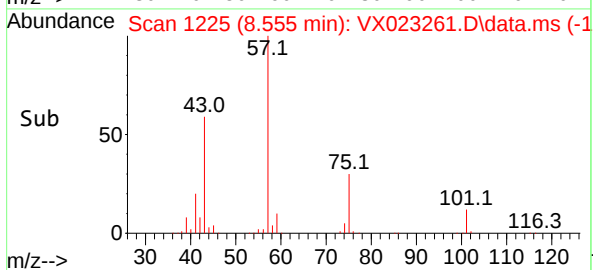
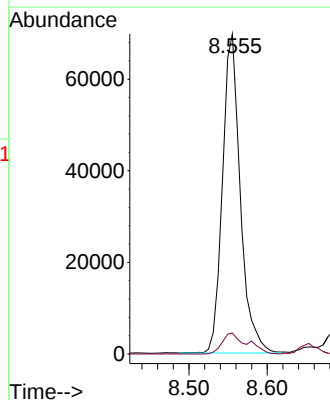
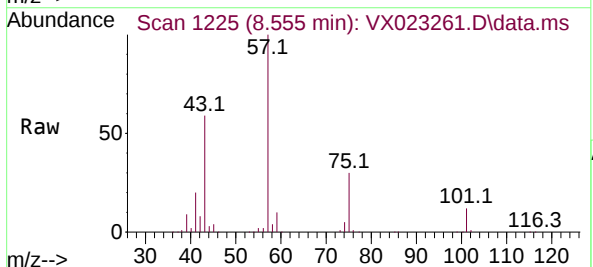
Instrument :
MSVOA_X
ClientSampled :

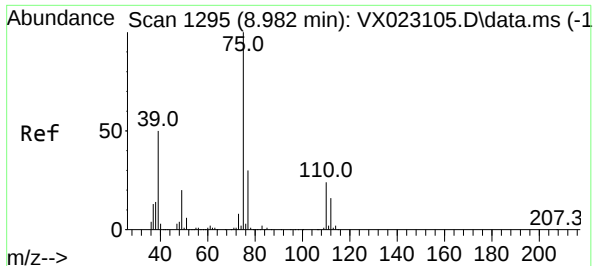
Tgt Ion: 98 Resp: 432613
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 30.436 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

Tgt Ion: 43 Resp: 110440
Ion Ratio Lower Upper
43 100
58 9.2 35.4 53.0#

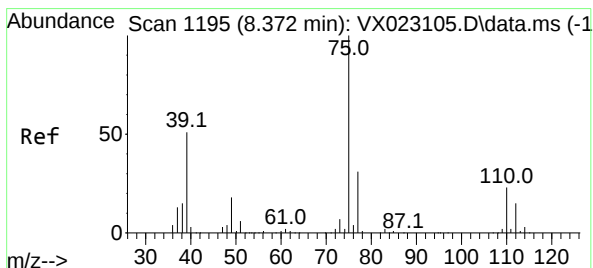
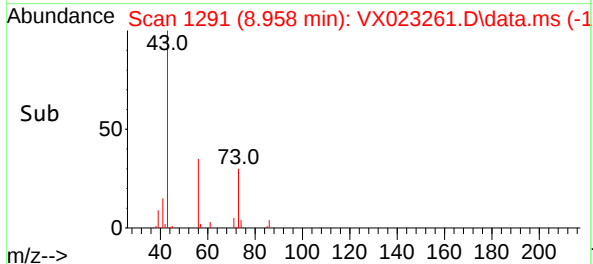
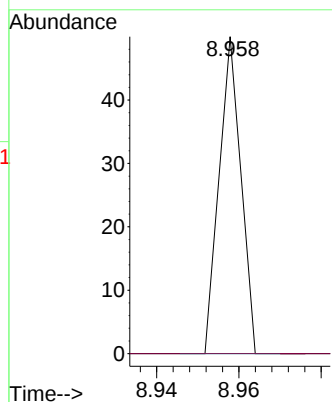
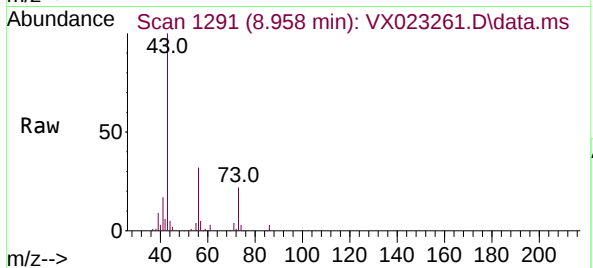




#53
t-1,3-Dichloropropene
Concen: 2.741 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

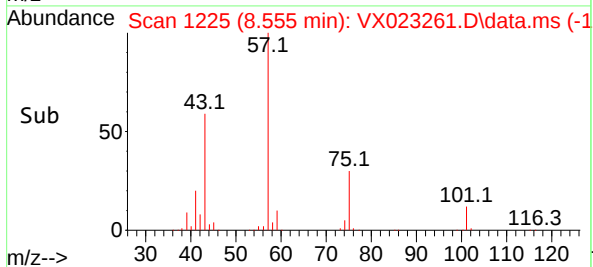
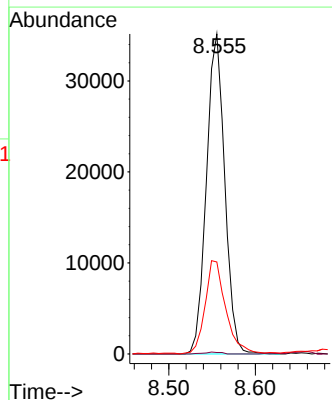
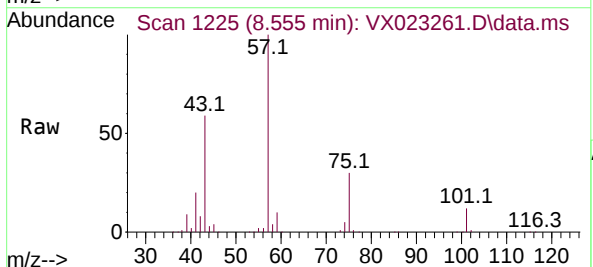
Instrument :
MSVOA_X
ClientSampled :

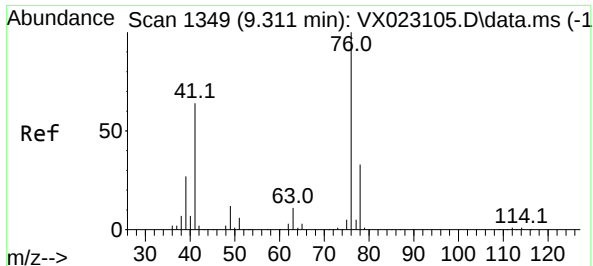
Tgt Ion: 75 Resp: 18
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 13.932 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

Tgt Ion: 75 Resp: 51605
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 28.7 35.1 52.7#



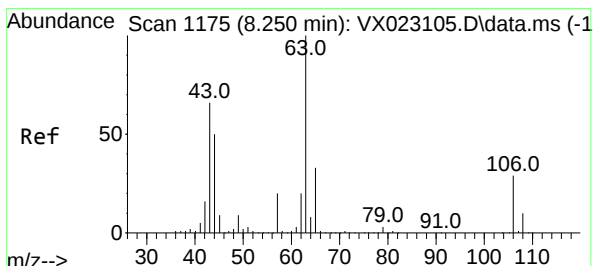
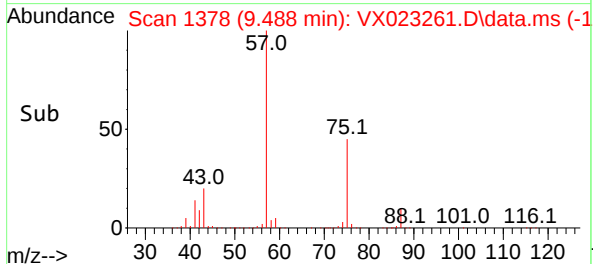
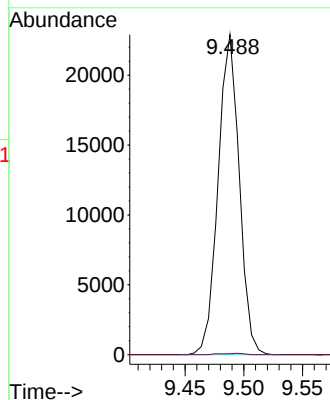
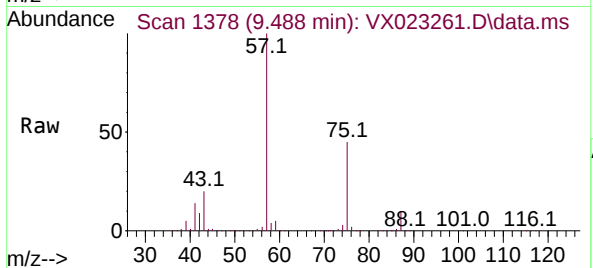


#57

1,3-Dichloropropane
Concen: 6.813 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

Instrument :
MSVOA_X
ClientSampled :

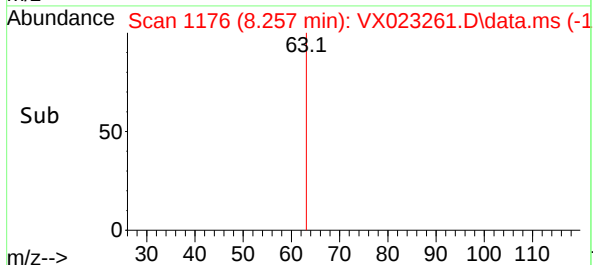
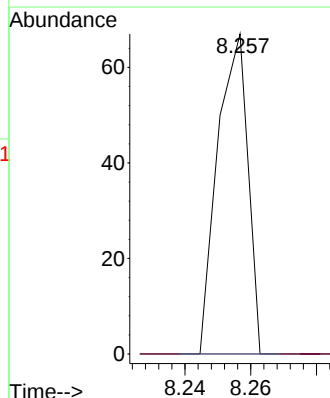
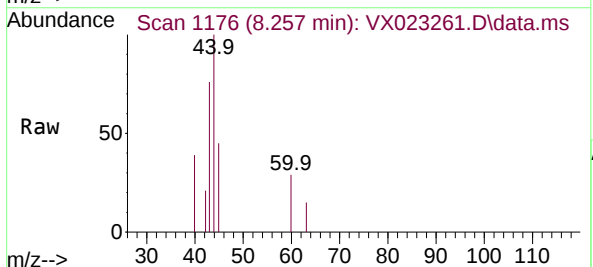
Tgt Ion: 76 Resp: 28675
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#

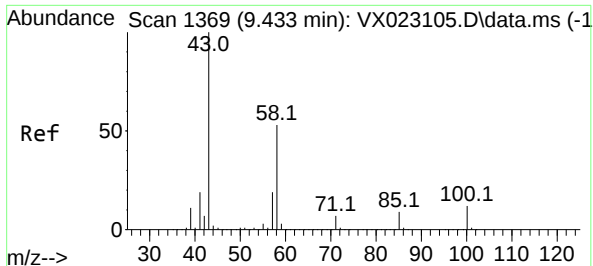


#58

2-Chloroethyl Vinyl ether
Concen: 4.709 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.007 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

Tgt Ion: 63 Resp: 43
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#

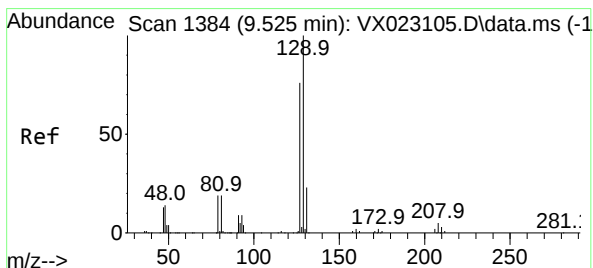
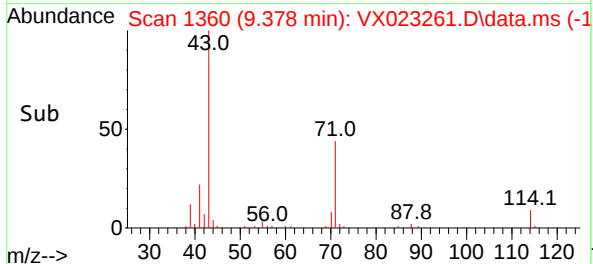
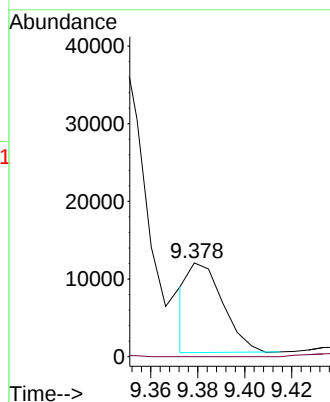
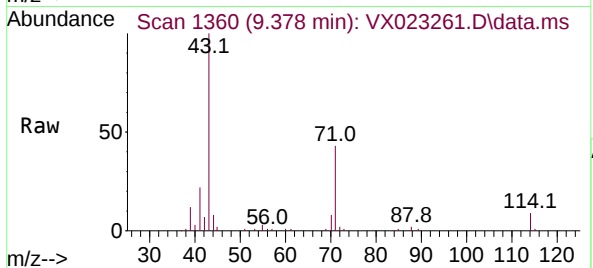




#59
2-Hexanone
Concen: 4.196 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

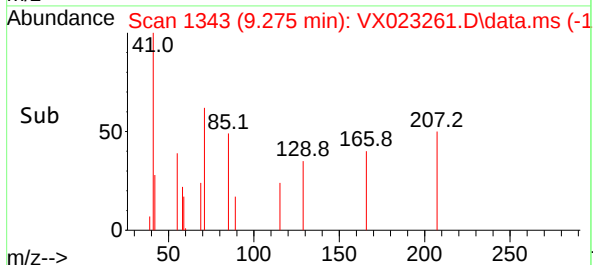
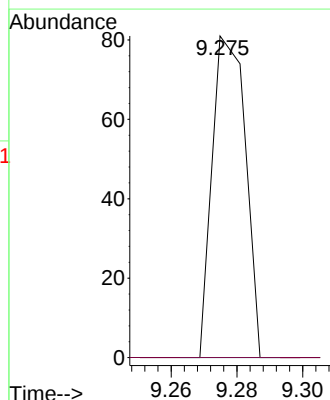
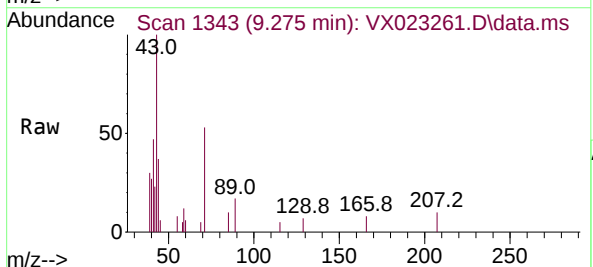
Instrument :
MSVOA_X
ClientSampled :

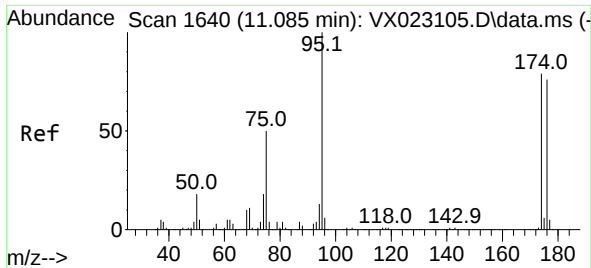
Tgt Ion: 43 Resp: 11681
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#60
Dibromochloromethane
Concen: 3.131 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

Tgt Ion: 129 Resp: 57
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

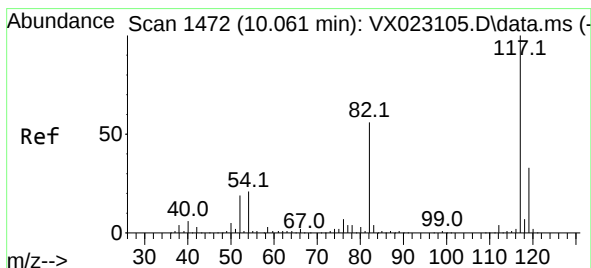
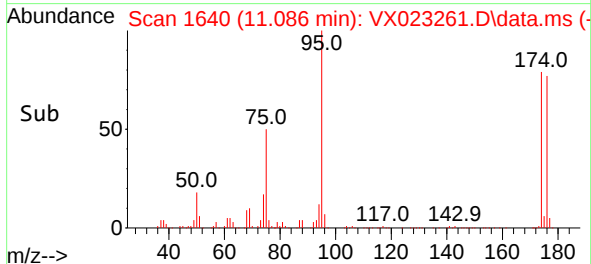
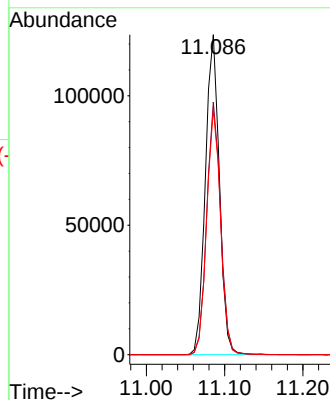
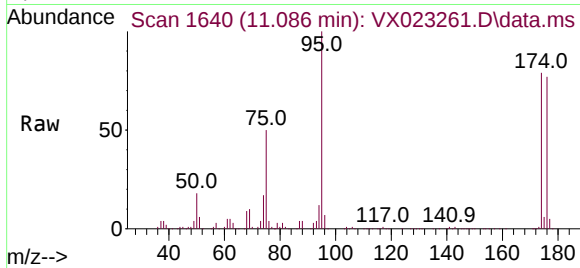




#62
4-Bromofluorobenzene
Concen: 45.508 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

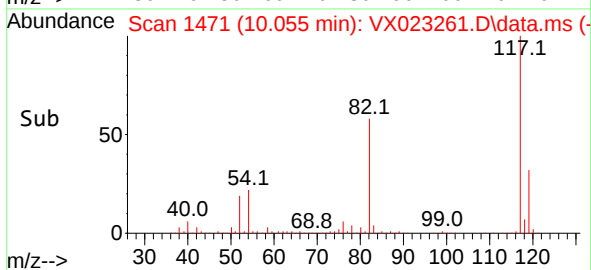
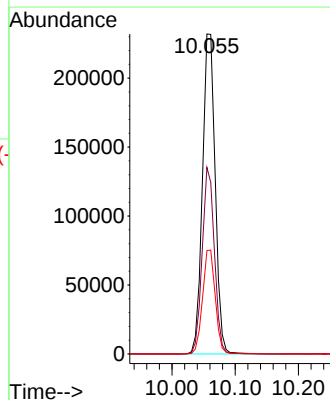
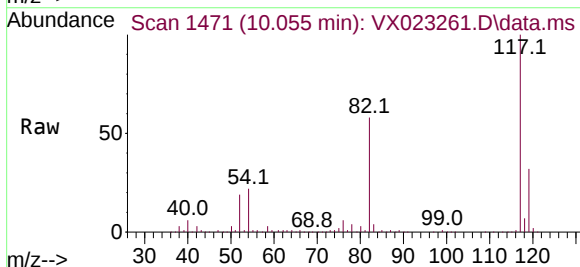
Instrument :
MSVOA_X
ClientSampleId :

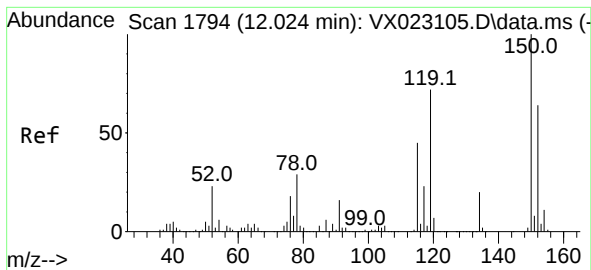
Tgt Ion: 95 Resp: 153197
Ion Ratio Lower Upper
95 100
174 78.1 0.0 154.6
176 76.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

Tgt Ion: 117 Resp: 326175
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 32.3 26.6 39.8

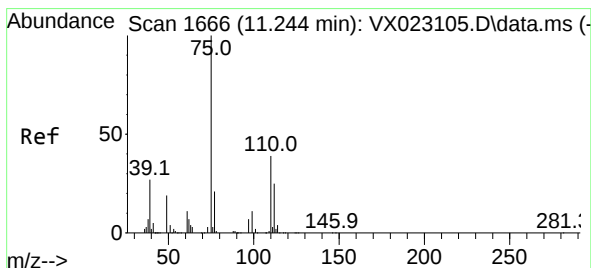
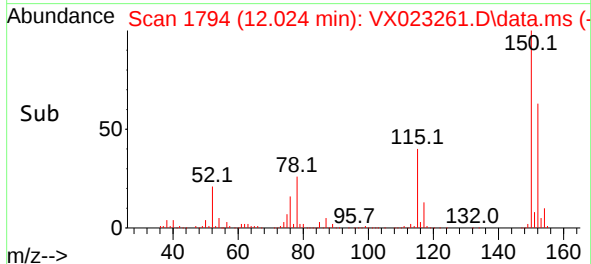
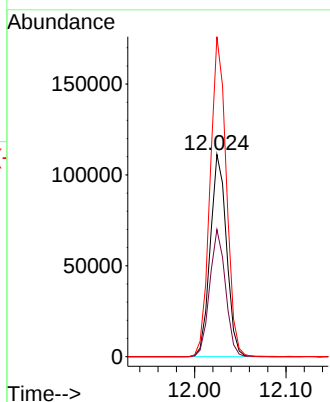
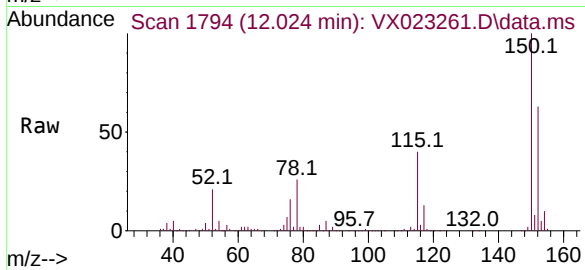




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023261.D
 Acq: 13 Jul 2021 14:06

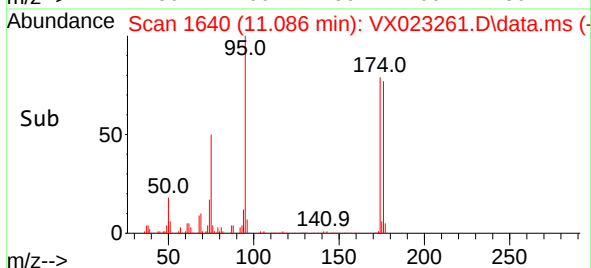
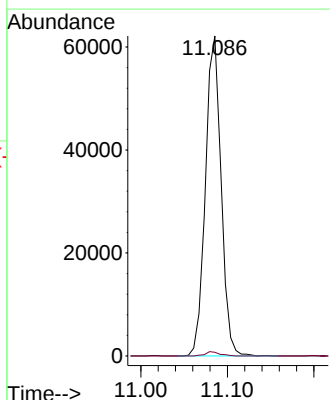
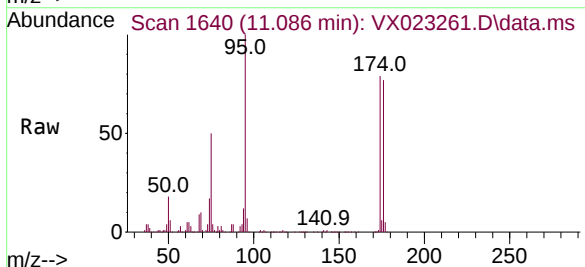
Instrument :
 MSVOA_X
 ClientSampled :

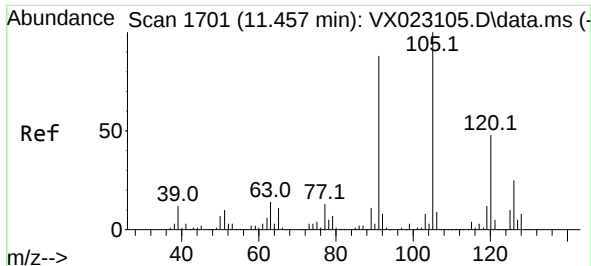
Tgt Ion:152 Resp: 137046
 Ion Ratio Lower Upper
 152 100
 115 61.1 41.1 123.3
 150 157.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.325 ug/l
 RT: 11.086 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023261.D
 Acq: 13 Jul 2021 14:06

Tgt Ion: 75 Resp: 78116
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

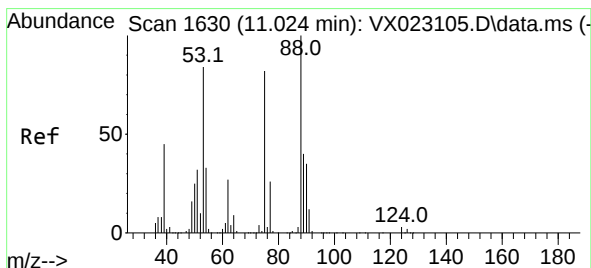
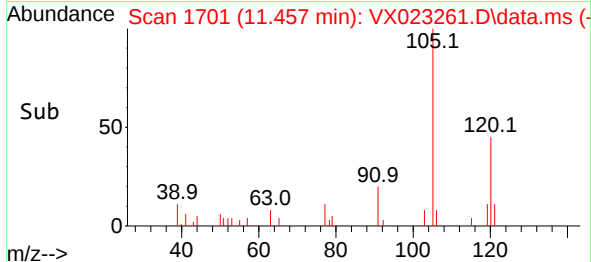
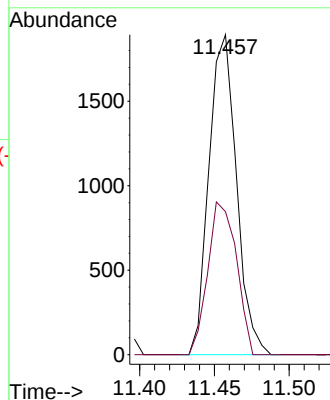
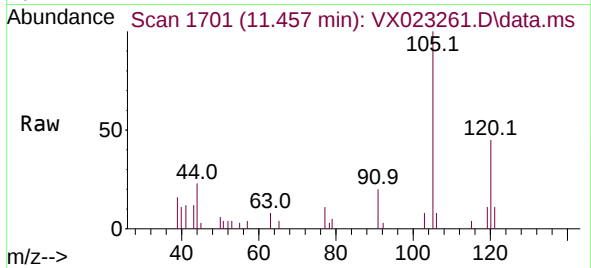




#80
1,3,5-Trimethylbenzene
Concen: 0.292 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

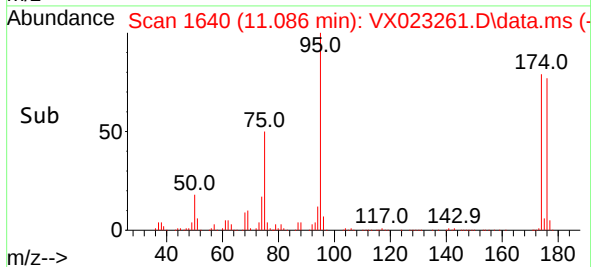
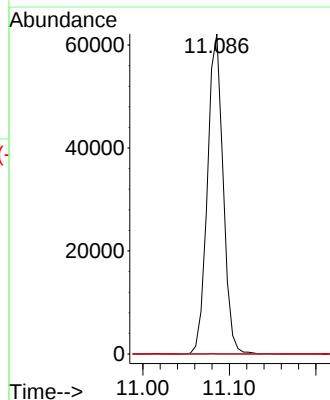
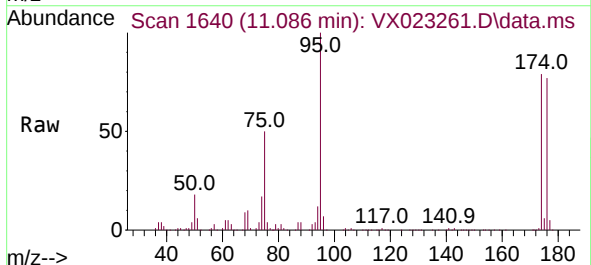
Instrument :
MSVOA_X
ClientSampleId :

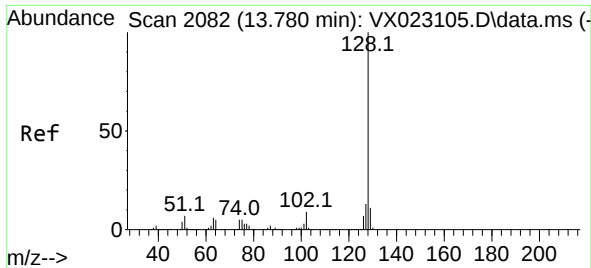
Tgt Ion:105 Resp: 2425
Ion Ratio Lower Upper
105 100
120 49.6 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 76.320 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.062 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

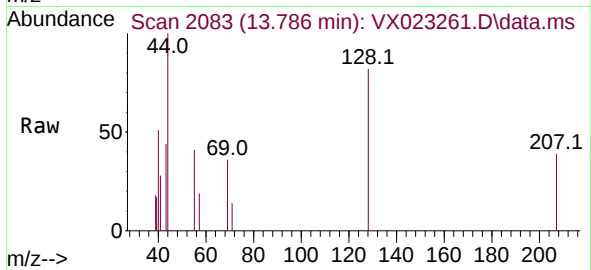
Tgt Ion: 75 Resp: 78116
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.324 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023261.D
Acq: 13 Jul 2021 14:06

Instrument :
MSVOA_X
ClientSampleId :



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

