

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071421\
 Data File : VX023277.D
 Acq On : 14 Jul 2021 14:24
 Operator : JC/MD
 Sample : PB137668ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 04:27:10 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)

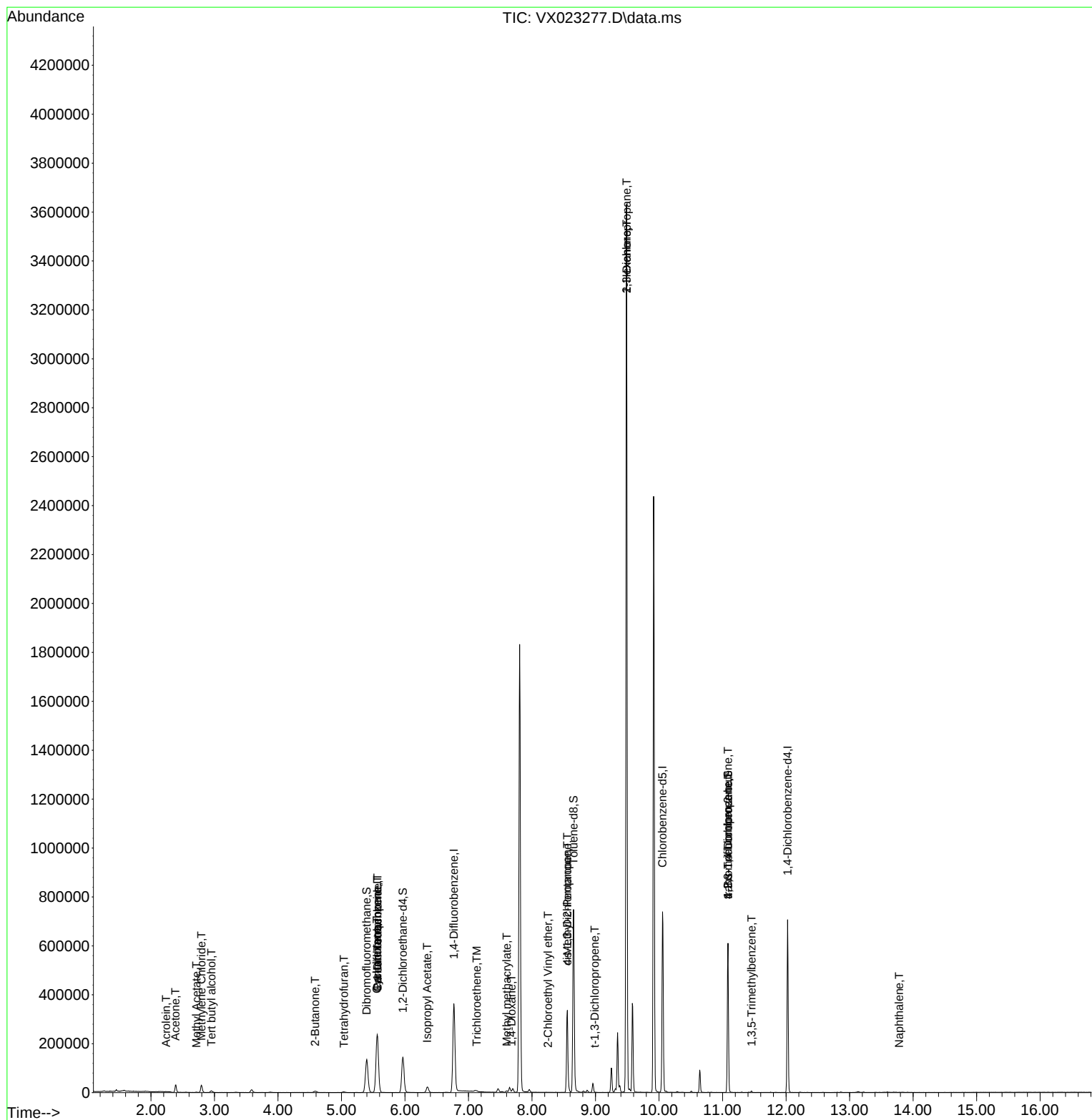
Internal Standards						
1) Pentafluorobenzene	5.562	168	224742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	363664	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	335272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	149433	49.472	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.940%		
35) Dibromofluoromethane	5.397	113	116682	49.686	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.380%		
50) Toluene-d8	8.653	98	435749	49.743	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.480%		
62) 4-Bromofluorobenzene	11.085	95	159209	47.077	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.160%		
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	497	Below Cal	#	51
11) Tert butyl alcohol	2.953	59	4640	7.302	ug/l #	75
13) Acrolein	2.239	56	183	0.432	ug/l #	26
16) Acetone	2.386	43	32028	26.801	ug/l #	85
18) Methyl Acetate	2.715	43	2114	0.729	ug/l	90
20) Methylene Chloride	2.794	84	13524	5.256	ug/l	93
25) 2-Butanone	4.586	43	5945	3.299	ug/l #	89
29) Tetrahydrofuran	5.038	42	2464	2.127	ug/l	92
31) Cyclohexane	5.556	56	4499	1.244	ug/l #	8
36) 1,1-Dichloropropene	5.562	75	16855	5.199	ug/l #	49
38) Carbon Tetrachloride	5.568	117	23172	6.848	ug/l #	15
43) Isopropyl Acetate	6.348	43	31118	5.290	ug/l	94
44) Trichloroethene	7.129	130	796	0.298	ug/l	98
48) Methyl methacrylate	7.604	41	7577	2.625	ug/l #	10
49) 1,4-Dioxane	7.677	88	18	0.277	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	115467	31.676	ug/l #	45
53) t-1,3-Dichloropropene	8.988	75	60	2.751	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	52306	14.038	ug/l #	63
57) 1,3-Dichloropropane	9.488	76	30804	7.286	ug/l #	43
58) 2-Chloroethyl Vinyl ether	8.250	63	20	4.699	ug/l #	45
59) 2-Hexanone	9.488	43	407277	145.618	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	81486	28.619	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	2555	0.298	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.085	75	81486	77.062	ug/l #	12
95) Naphthalene	13.780	128	497	1.321	ug/l #	81

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

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

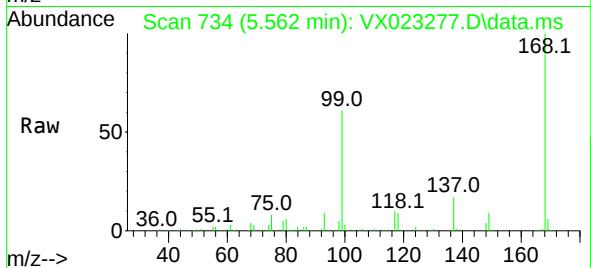
Quant Time: Jul 15 04:27:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 02 14:29:42 2021
Response via : Initial Calibration



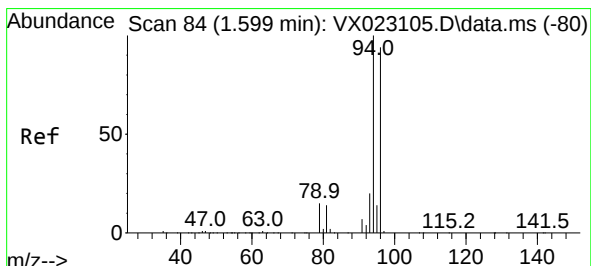
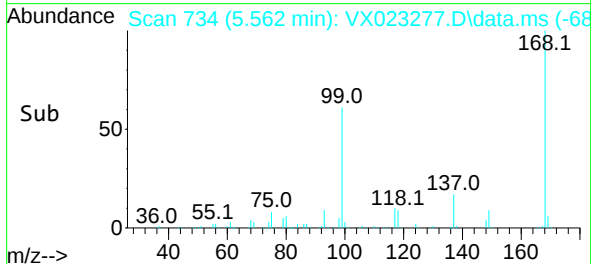
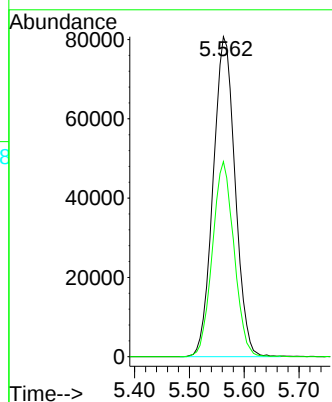


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

Instrument :
MSVOA_X
ClientSampleId :

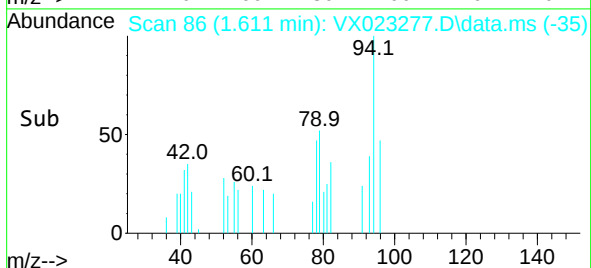
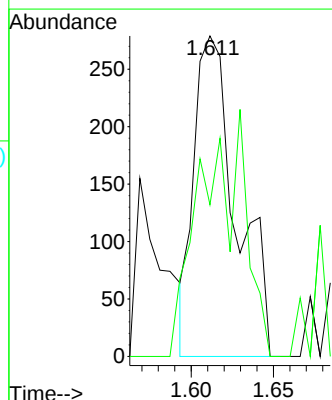
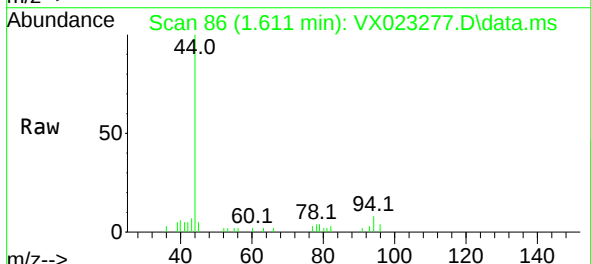


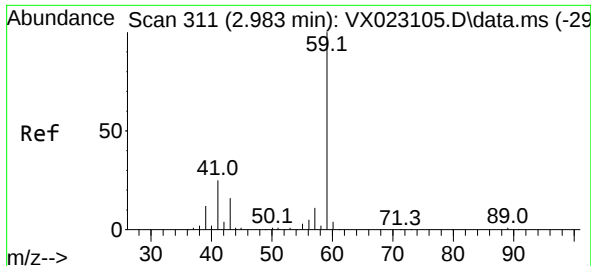
Tgt Ion:168 Resp: 224742
Ion Ratio Lower Upper
168 100
99 60.9 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

Tgt Ion: 94 Resp: 497
Ion Ratio Lower Upper
94 100
96 47.3 76.4 114.6#



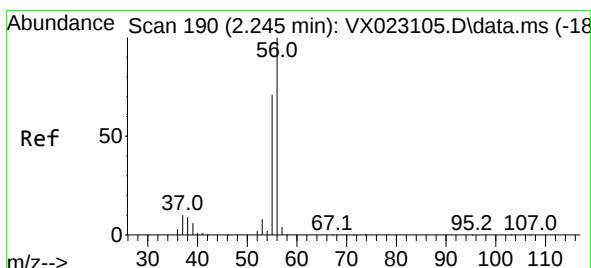
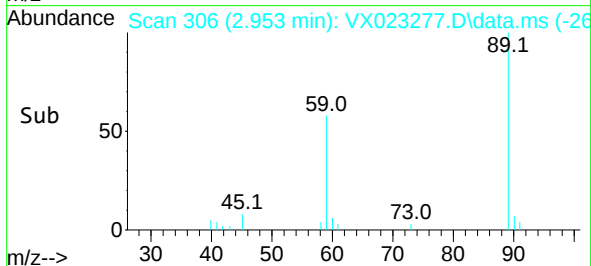
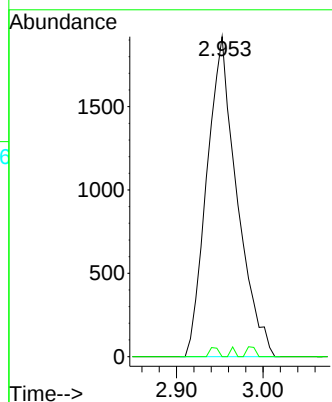
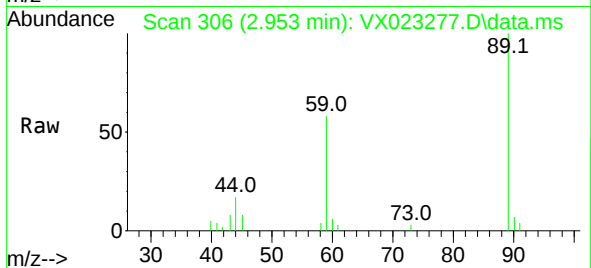


#11

Tert butyl alcohol
Concen: 7.302 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

Instrument :
MSVOA_X
ClientSampled :

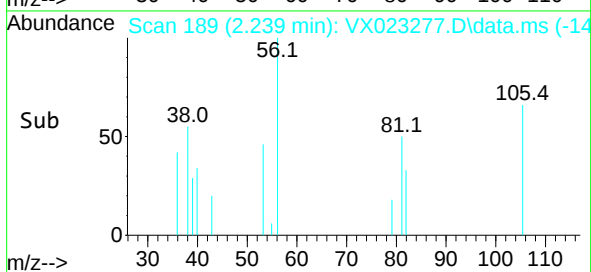
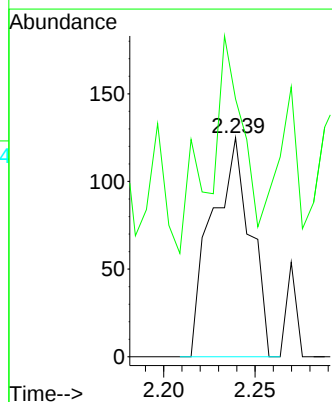
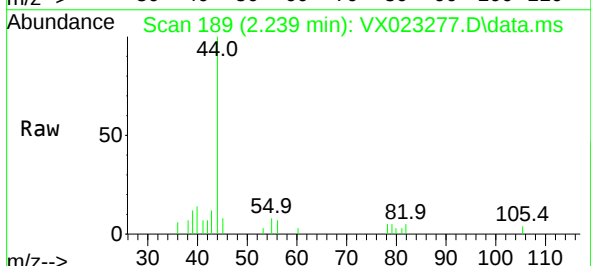
Tgt Ion: 59 Resp: 4640
Ion Ratio Lower Upper
59 100
57 0.5 7.8 11.8#

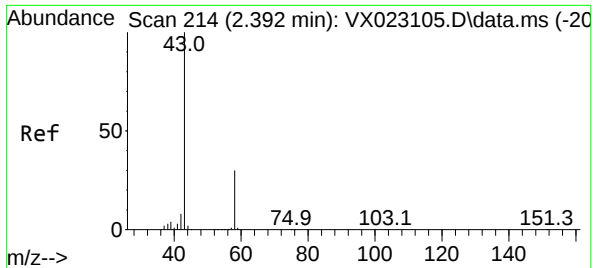


#13

Acrolein
Concen: 0.432 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 131.1 56.4 84.6#

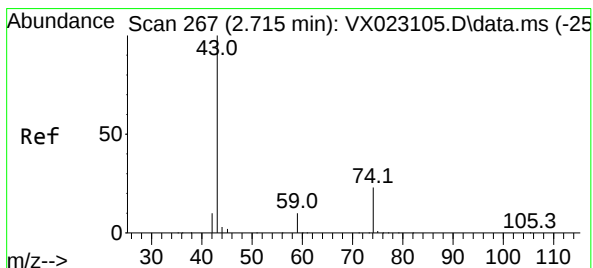
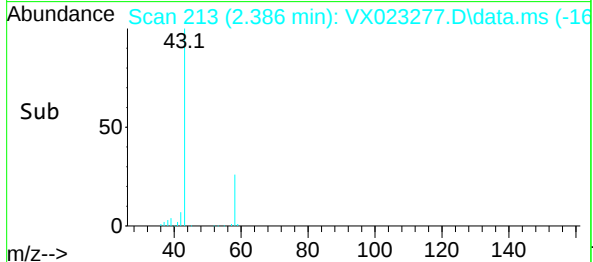
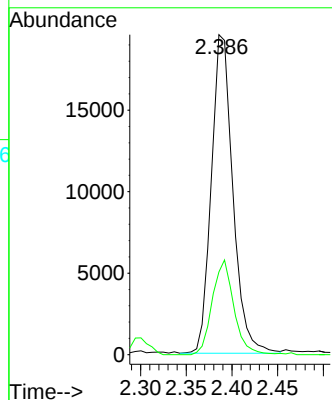
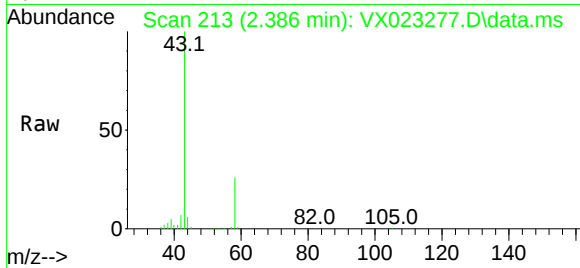




#16
Acetone
Concen: 26.801 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

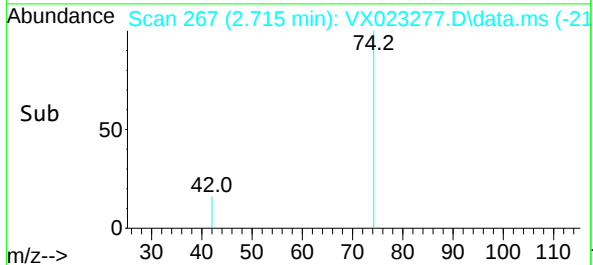
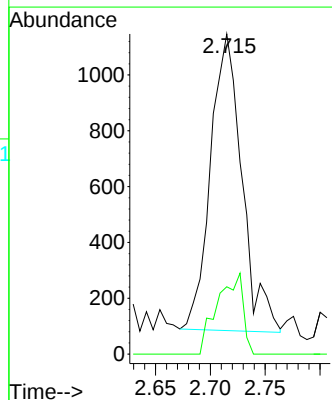
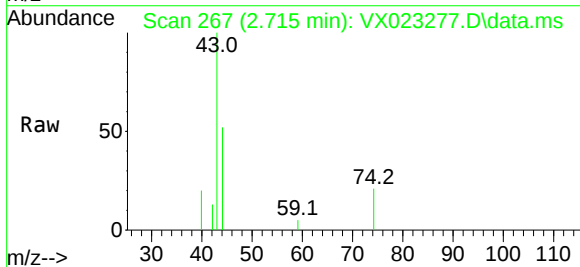
Instrument :
MSVOA_X
ClientSampled :

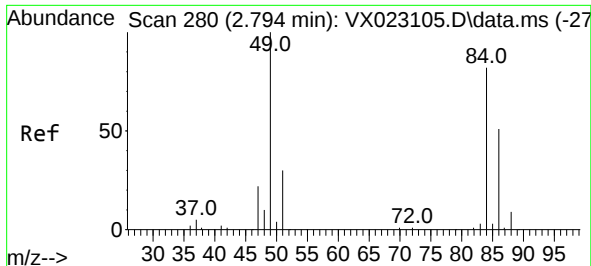
Tgt Ion: 43 Resp: 32028
Ion Ratio Lower Upper
43 100
58 26.0 27.8 41.8#



#18
Methyl Acetate
Concen: 0.729 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

Tgt Ion: 43 Resp: 2114
Ion Ratio Lower Upper
43 100
74 22.3 21.9 32.9

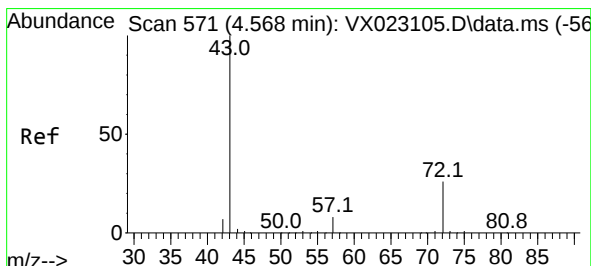
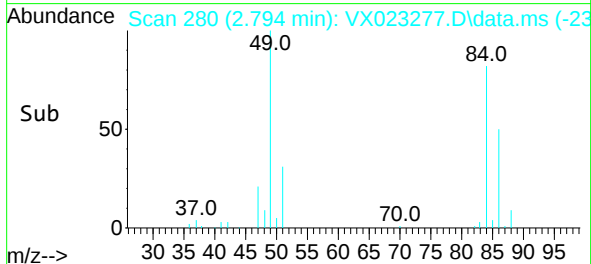
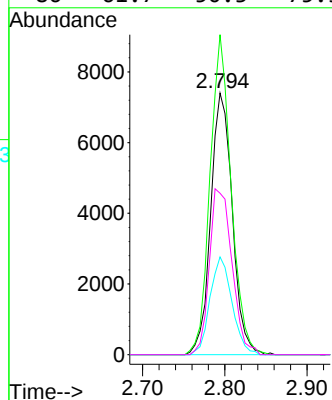
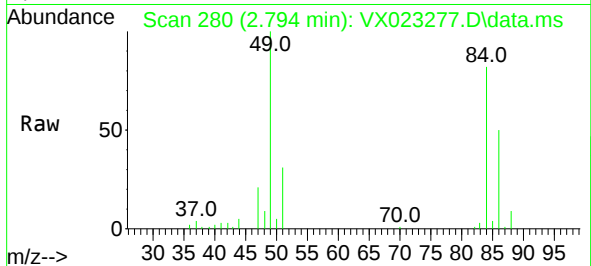




#20
Methylene Chloride
Concen: 5.256 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

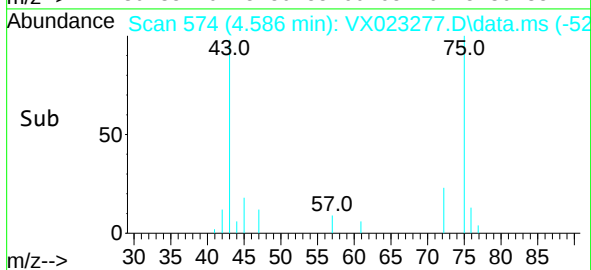
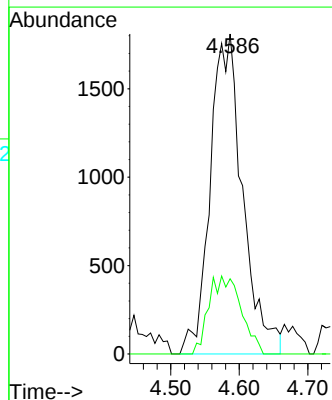
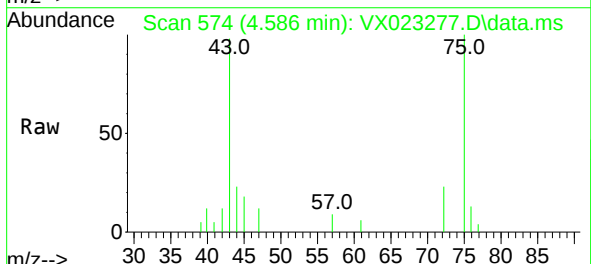
Instrument :
MSVOA_X
ClientSampled :

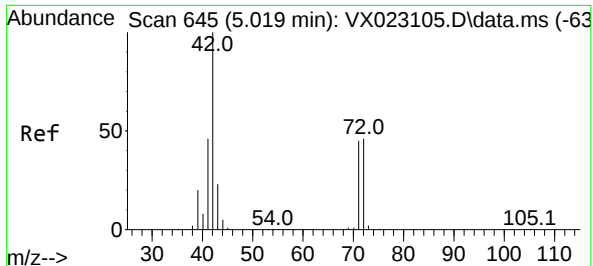
Tgt Ion:	84	Resp:	13524
Ion	Ratio	Lower	Upper
84	100		
49	122.3	88.6	132.8
51	37.4	27.0	40.6
86	61.7	50.3	75.5



#25
2-Butanone
Concen: 3.299 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

Tgt Ion:	43	Resp:	5945
Ion	Ratio	Lower	Upper
43	100		
72	23.5	23.7	35.5#





#29

Tetrahydrofuran

Concen: 2.127 ug/l

RT: 5.038 min Scan# 648

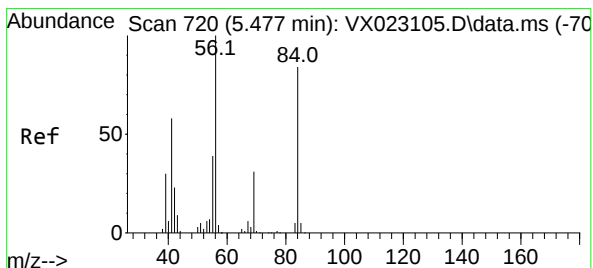
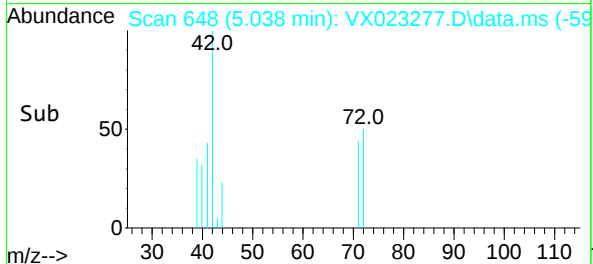
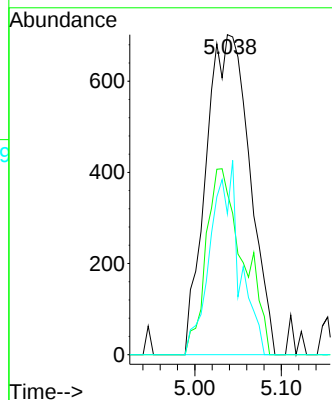
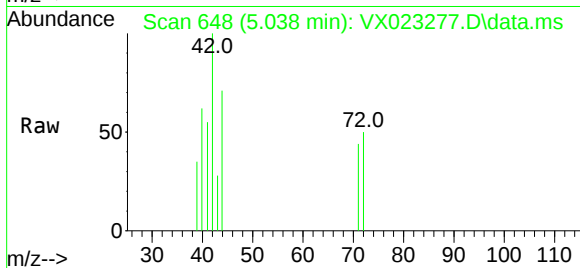
Delta R.T. 0.019 min

Lab File: VX023277.D

Acq: 14 Jul 2021 14:24

Tgt Ion: 42 Resp: 2464

Ion	Ratio	Lower	Upper
42	100		
72	48.9	41.7	62.5
71	40.2	38.4	57.6



#31

Cyclohexane

Concen: 1.244 ug/l

RT: 5.556 min Scan# 733

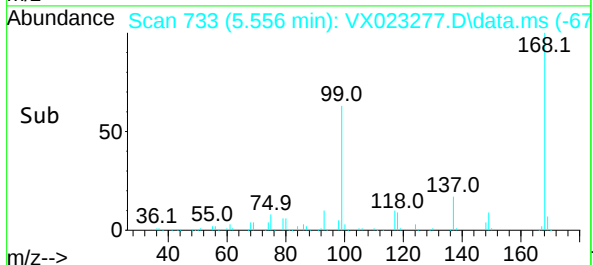
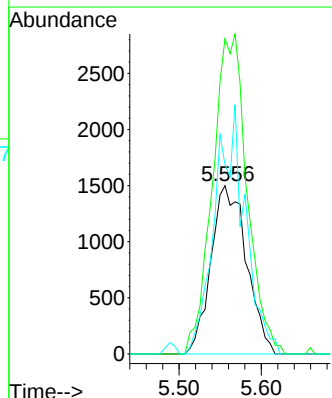
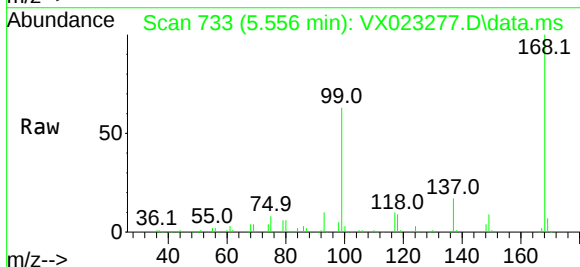
Delta R.T. 0.079 min

Lab File: VX023277.D

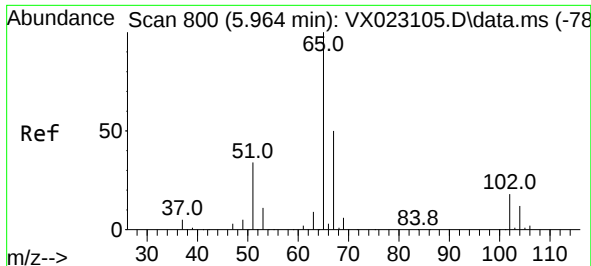
Acq: 14 Jul 2021 14:24

Tgt Ion: 56 Resp: 4499

Ion	Ratio	Lower	Upper
56	100		
69	187.3	25.3	37.9#
84	112.5	71.4	107.0#



Instrument :
MSVOA_X
ClientSampleId :



#33

1,2-Dichloroethane-d4

Concen: 49.472 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023277.D

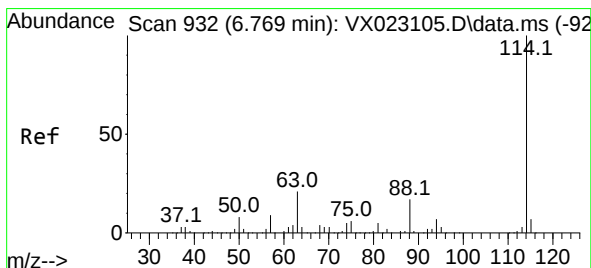
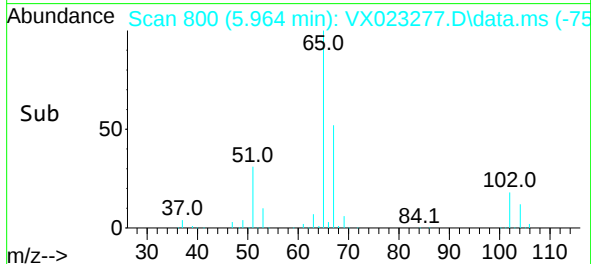
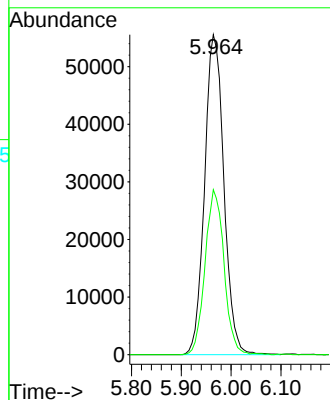
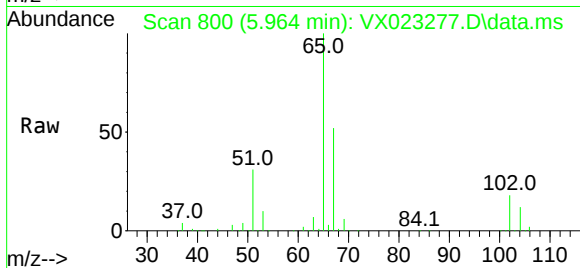
Acq: 14 Jul 2021 14:24

Tgt Ion: 65 Resp: 149433

Ion Ratio Lower Upper

65 100

67 50.8 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: VX023277.D

Acq: 14 Jul 2021 14:24

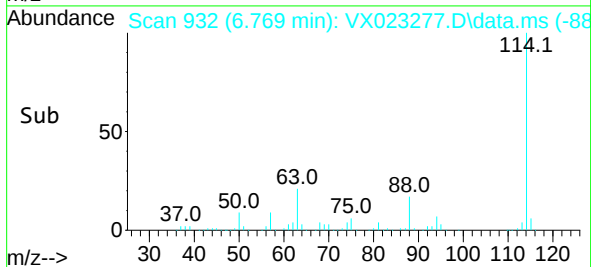
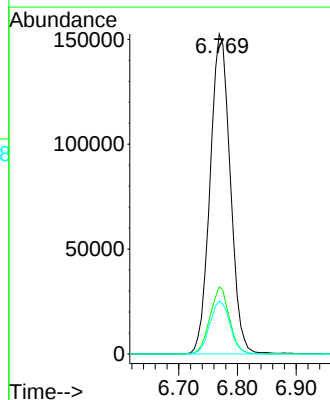
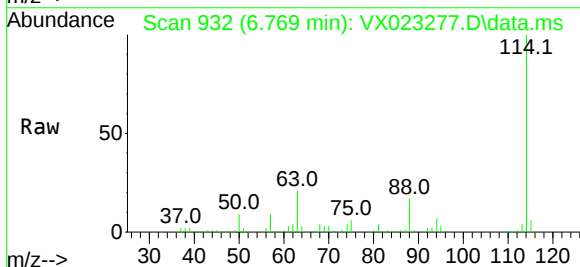
Tgt Ion: 114 Resp: 363664

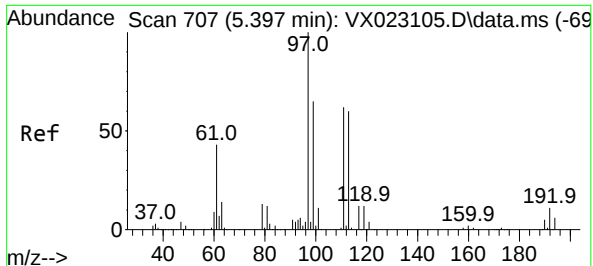
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 16.6 0.0 32.8

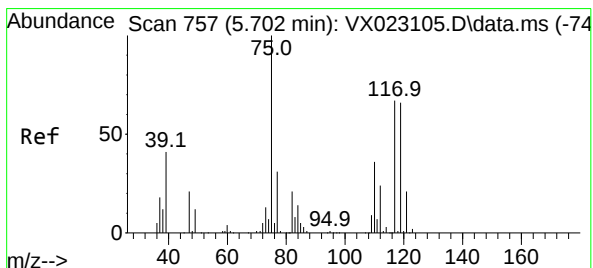
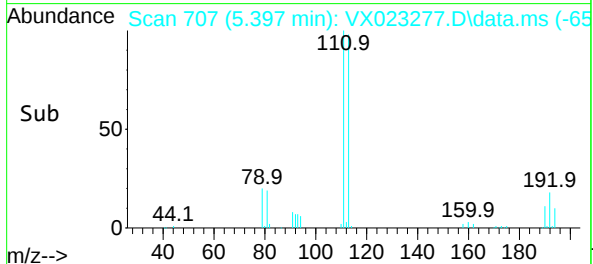
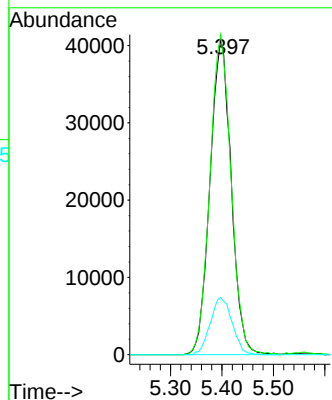
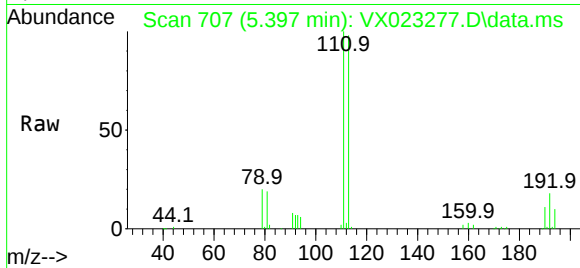




#35
Dibromofluoromethane
Concen: 49.686 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

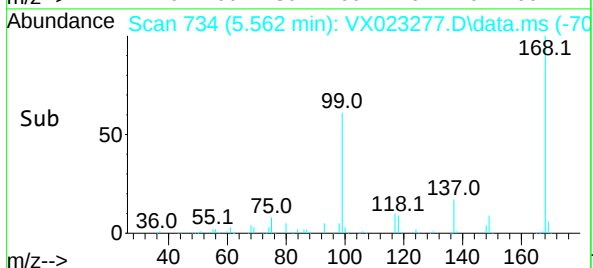
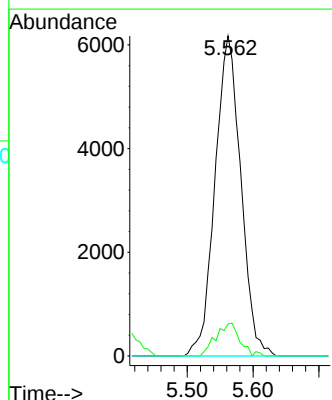
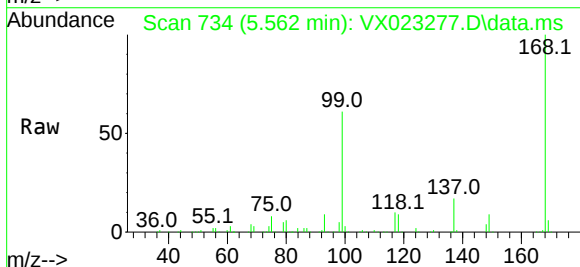
Instrument :
MSVOA_X
ClientSampleId :

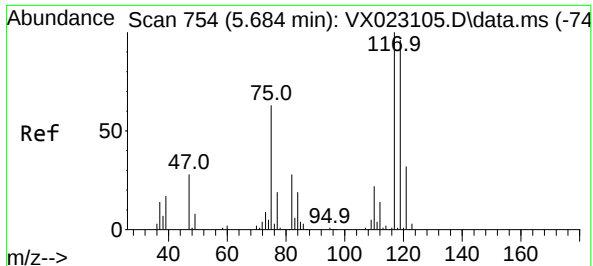
Tgt Ion:113 Resp: 116682
Ion Ratio Lower Upper
113 100
111 101.5 81.9 122.9
192 18.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.199 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

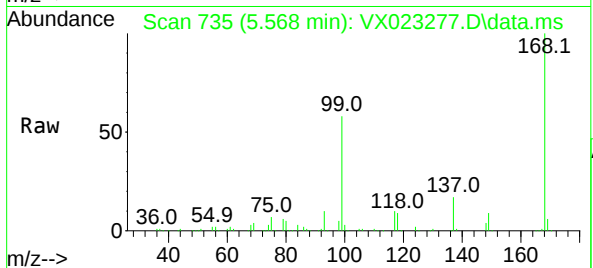
Tgt Ion: 75 Resp: 16855
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.0 25.3 37.9#



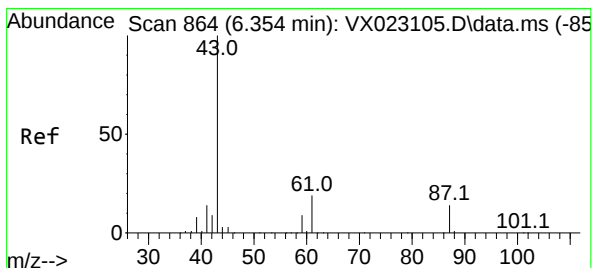
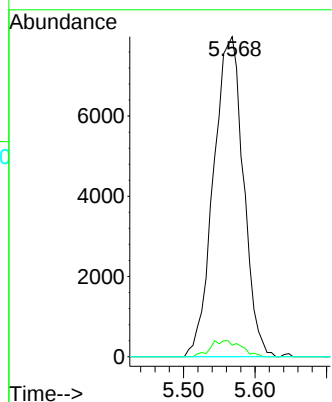
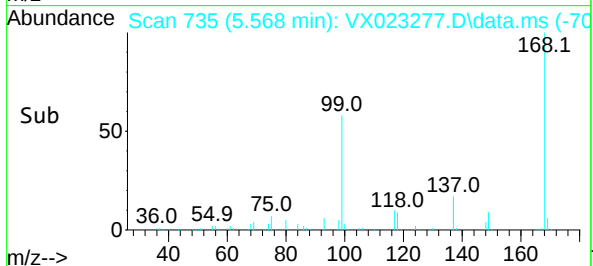


#38
Carbon Tetrachloride
Concen: 6.848 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

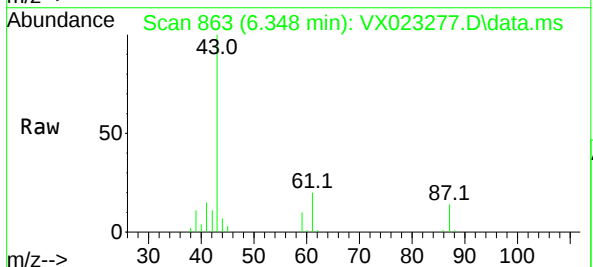
Instrument :
MSVOA_X
ClientSampleId :



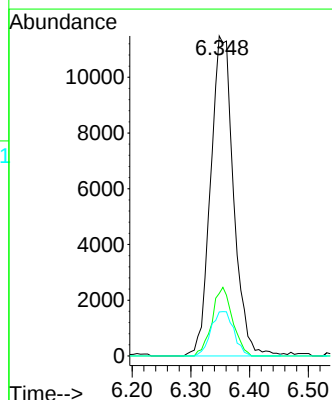
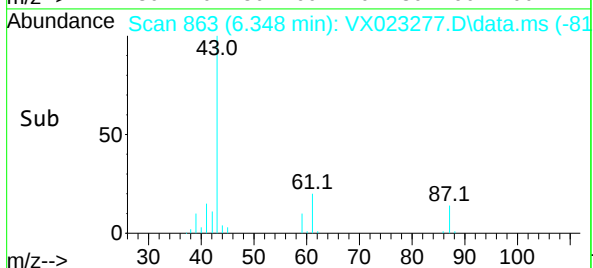
Tgt Ion:117 Resp: 23172
Ion Ratio Lower Upper
117 100
119 3.6 76.2 114.2#
121 0.0 24.8 37.2#

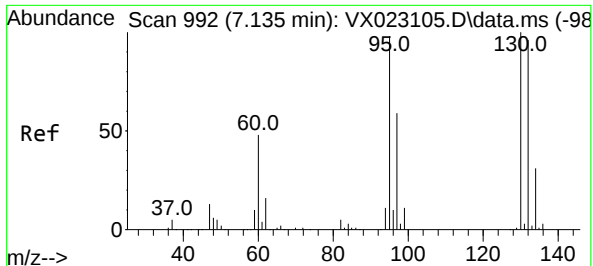


#43
Isopropyl Acetate
Concen: 5.290 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24



Tgt Ion: 43 Resp: 31118
Ion Ratio Lower Upper
43 100
61 19.2 18.2 27.4
87 13.7 12.5 18.7

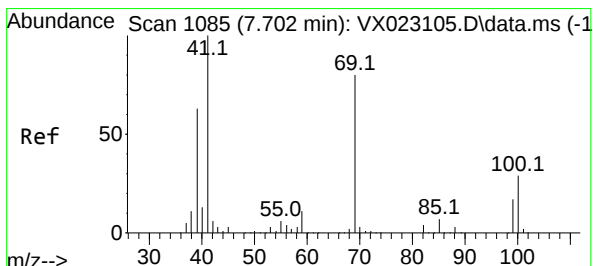
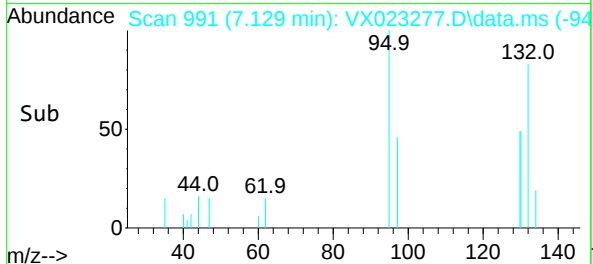
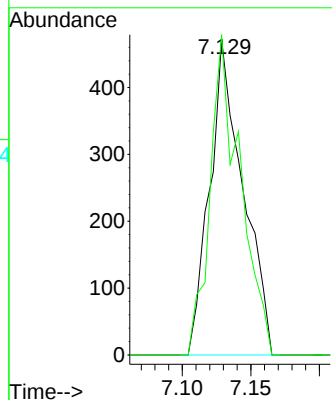
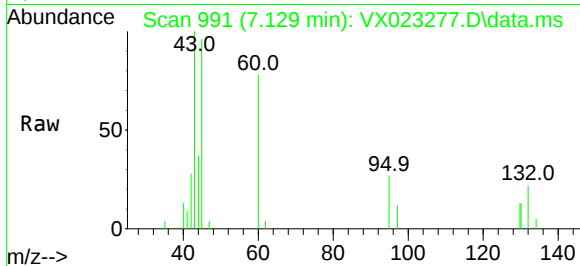




#44
Trichloroethene
Concen: 0.298 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

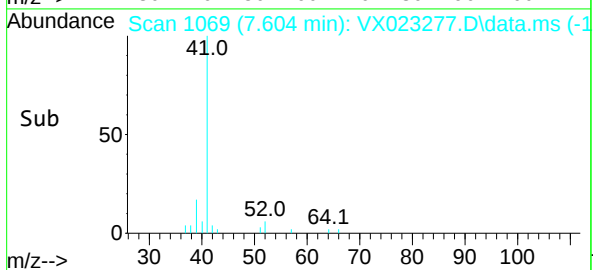
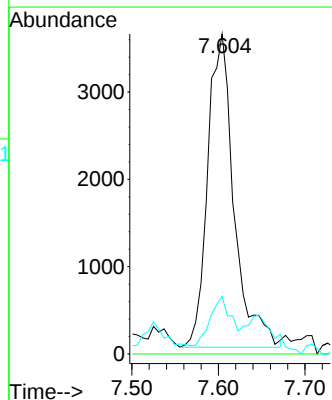
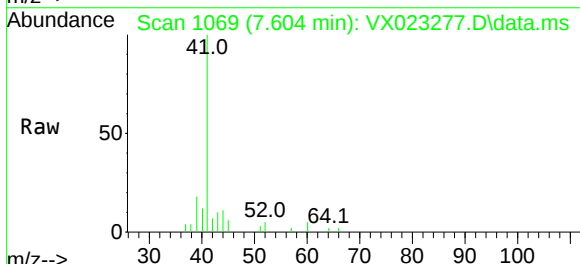
Instrument :
MSVOA_X
ClientSampled :

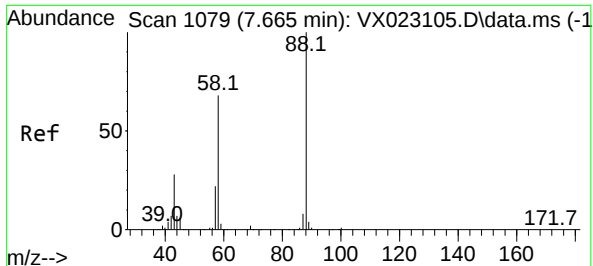
Tgt Ion:130 Resp: 796
Ion Ratio Lower Upper
130 100
95 101.5 0.0 198.0



#48
Methyl methacrylate
Concen: 2.625 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

Tgt Ion: 41 Resp: 7577
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

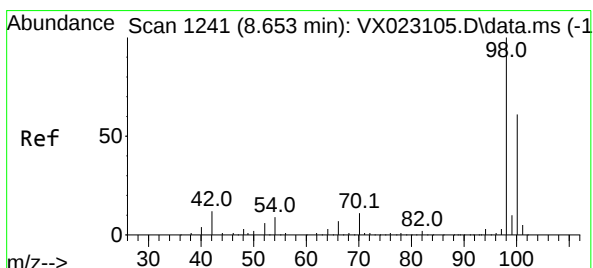
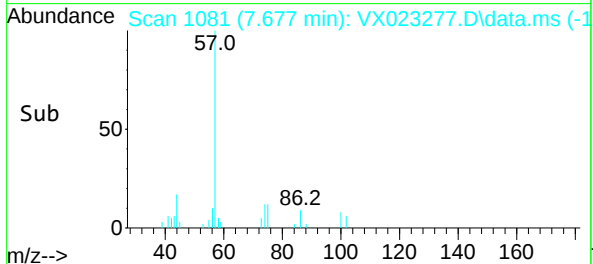
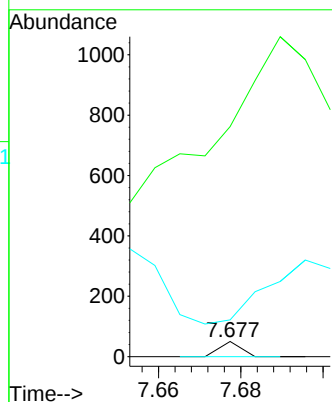
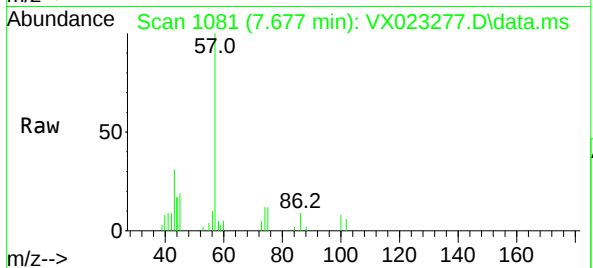




#49
1,4-Dioxane
Concen: 0.277 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

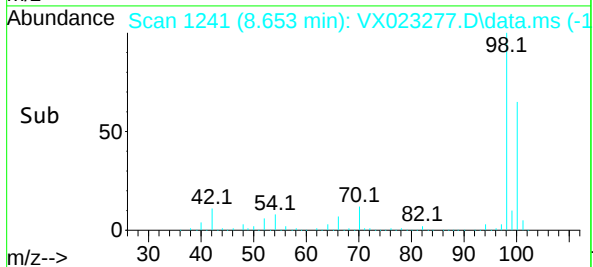
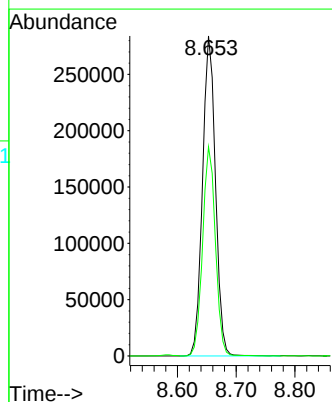
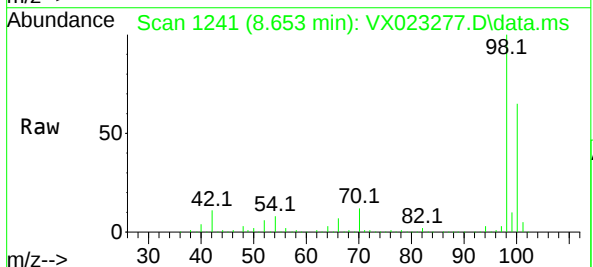
Instrument :
MSVOA_X
ClientSampled :

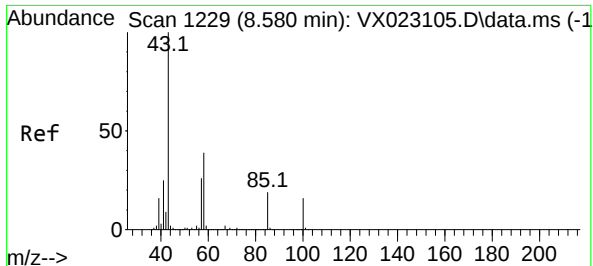
Tgt Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 3083.3 55.0 82.4#



#50
Toluene-d8
Concen: 49.743 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

Tgt Ion: 98 Resp: 435749
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

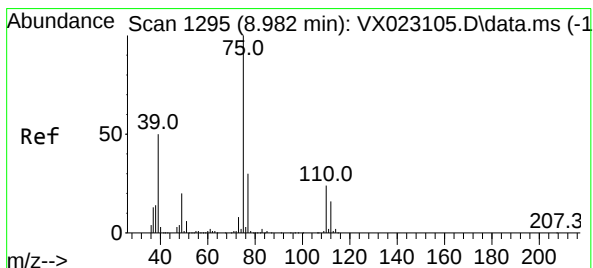
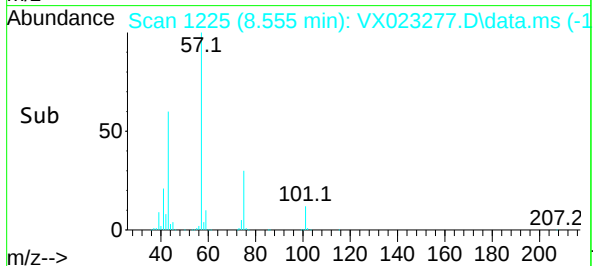
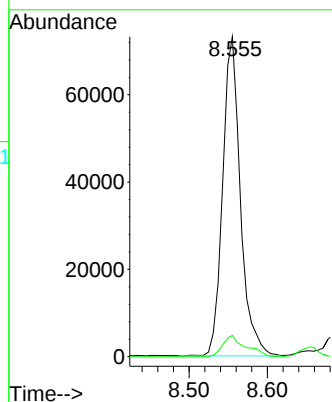
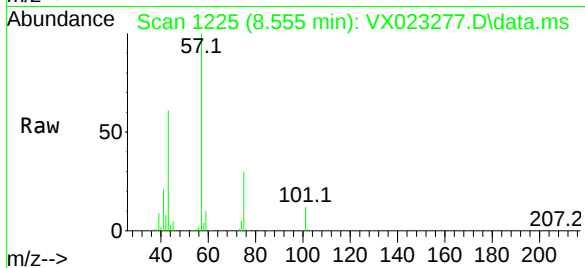




#51
4-Methyl-2-Pentanone
Concen: 31.676 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

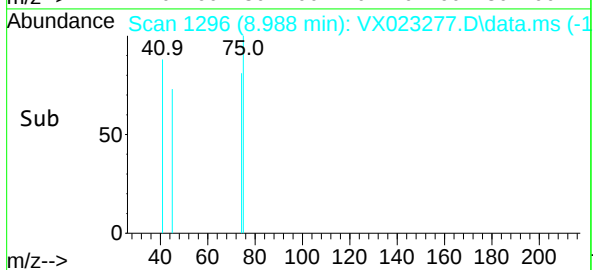
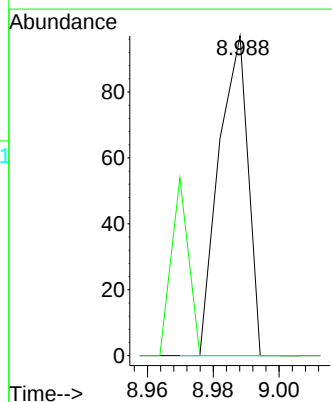
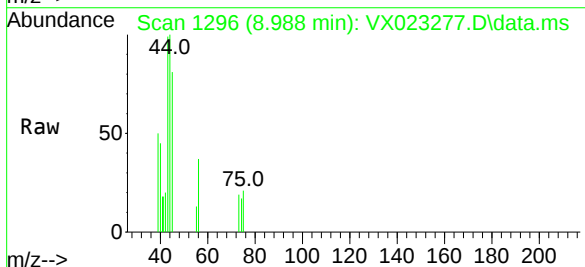
Instrument :
MSVOA_X
ClientSampleId :

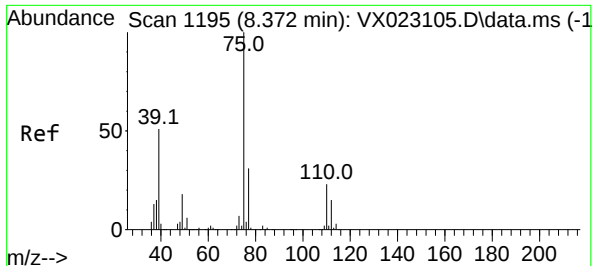
Tgt Ion: 43 Resp: 115467
Ion Ratio Lower Upper
43 100
58 8.6 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.751 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

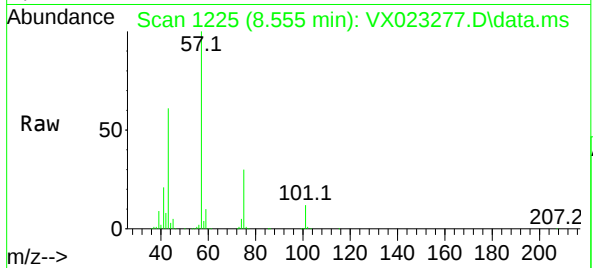
Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



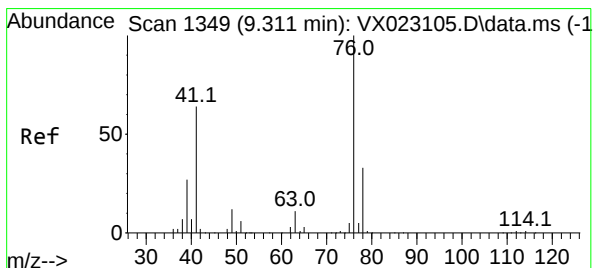
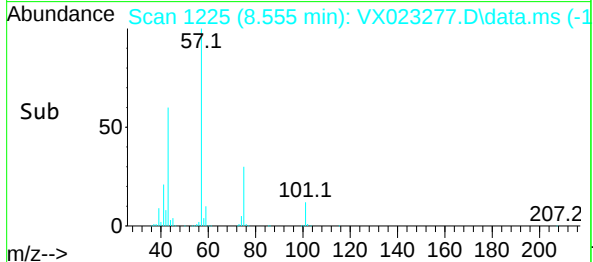
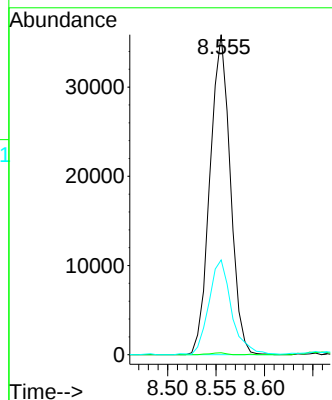


#54
 cis-1,3-Dichloropropene
 Concen: 14.038 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023277.D
 Acq: 14 Jul 2021 14:24

Instrument :
 MSVOA_X
 ClientSampleId :

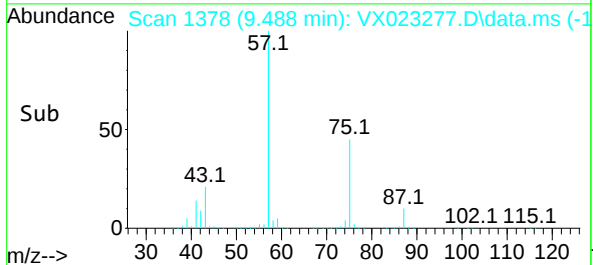
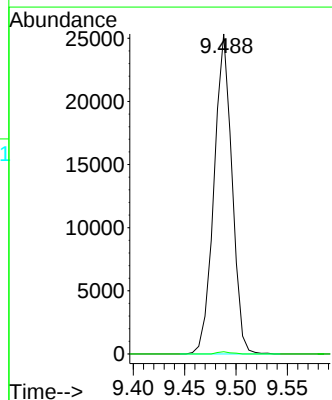
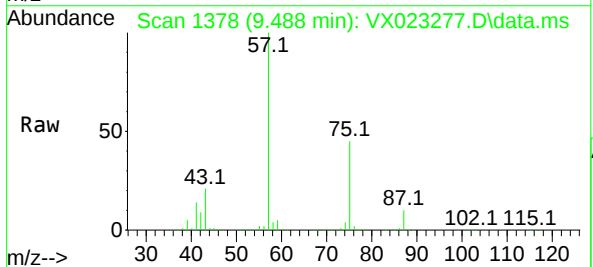


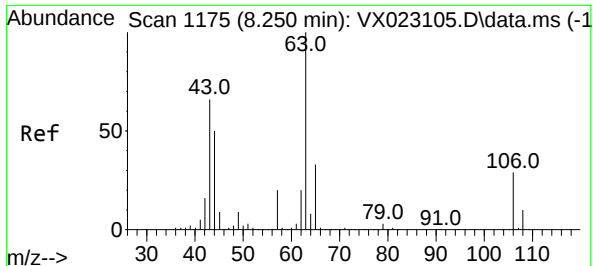
Tgt Ion: 75 Resp: 52306
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 29.5 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 7.286 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023277.D
 Acq: 14 Jul 2021 14:24

Tgt Ion: 76 Resp: 30804
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

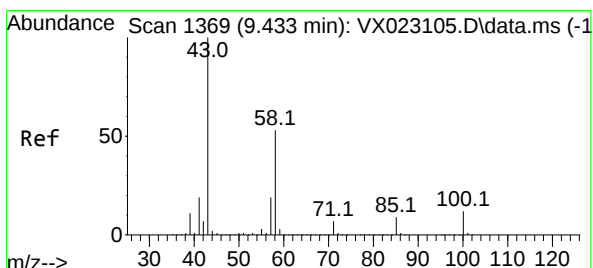
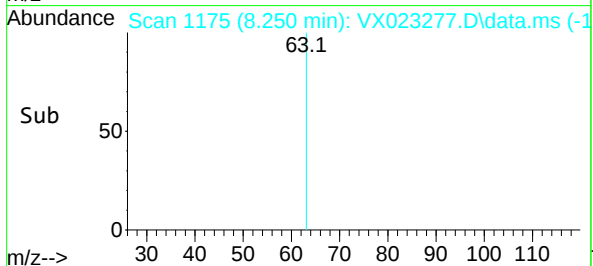
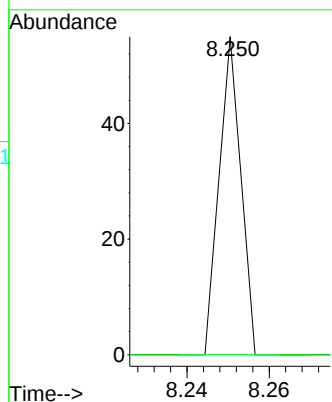
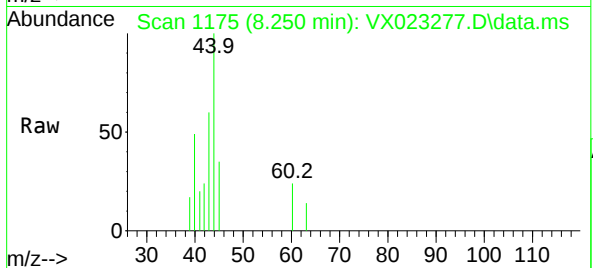




#58
2-Chloroethyl Vinyl ether
Concen: 4.699 ug/l
RT: 8.250 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

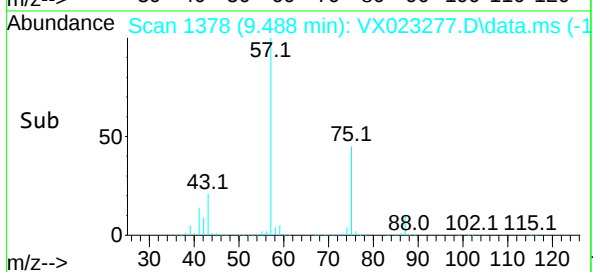
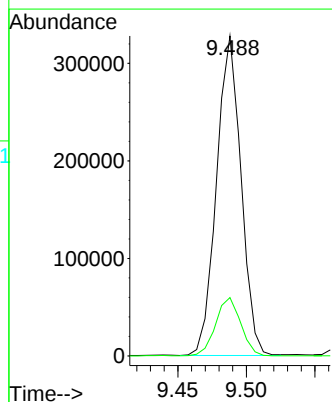
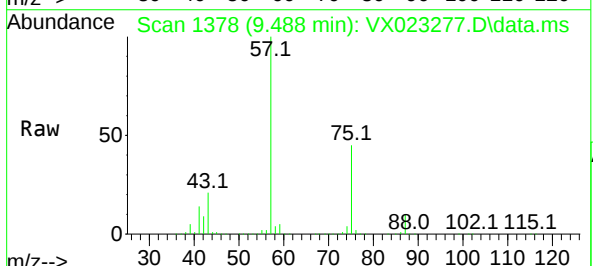
Instrument :
MSVOA_X
ClientSampled :

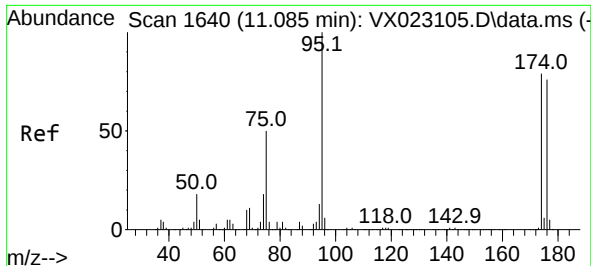
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#59
2-Hexanone
Concen: 145.618 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

Tgt Ion: 43 Resp: 407277
Ion Ratio Lower Upper
43 100
58 18.7 30.9 92.8#

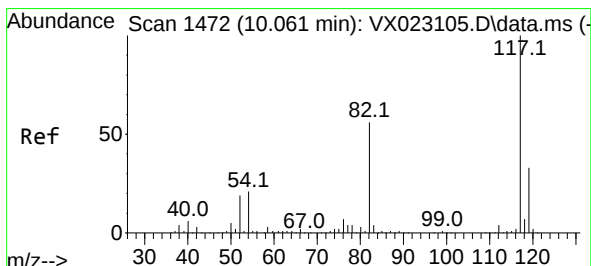
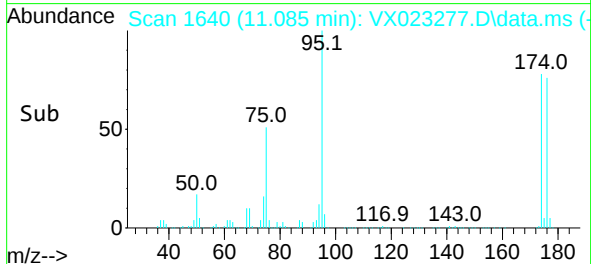
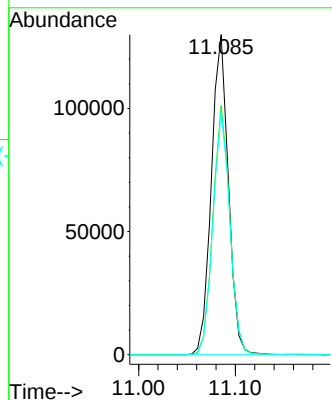
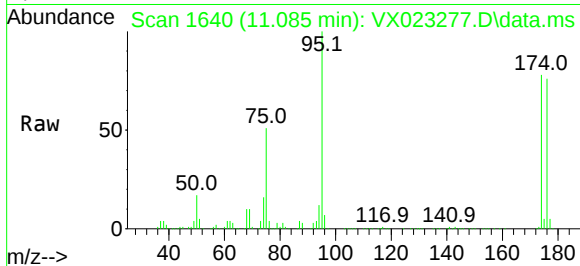




#62
4-Bromofluorobenzene
Concen: 47.077 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

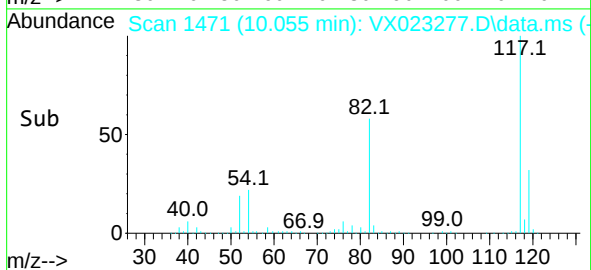
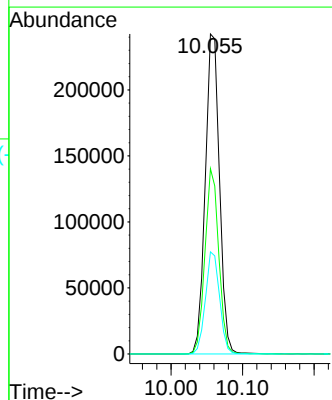
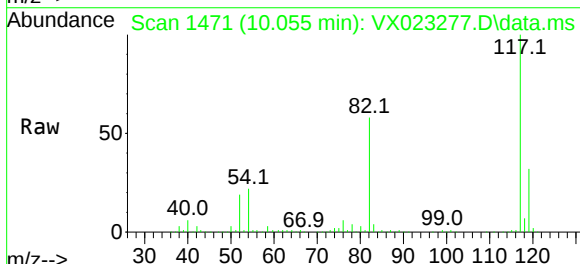
Instrument :
MSVOA_X
ClientSampleId :

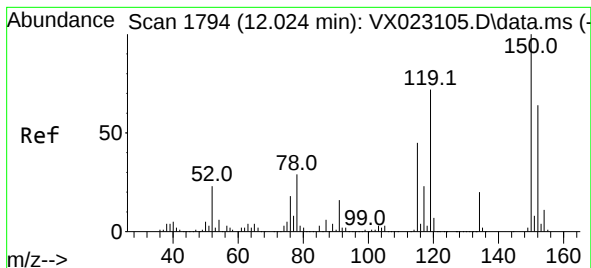
Tgt Ion: 95 Resp: 159209
Ion Ratio Lower Upper
95 100
174 77.4 0.0 154.6
176 75.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

Tgt Ion: 117 Resp: 335272
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 31.9 26.6 39.8

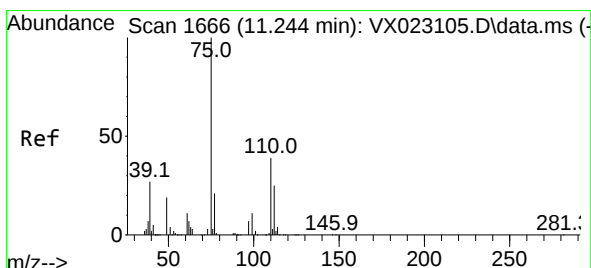
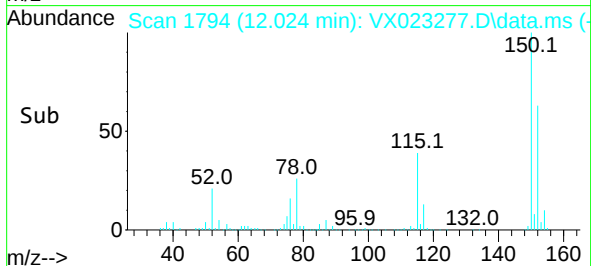
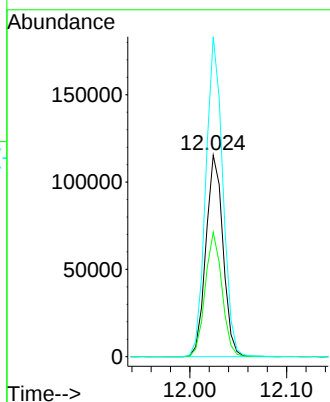
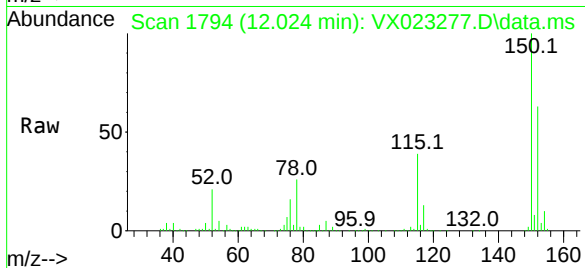




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

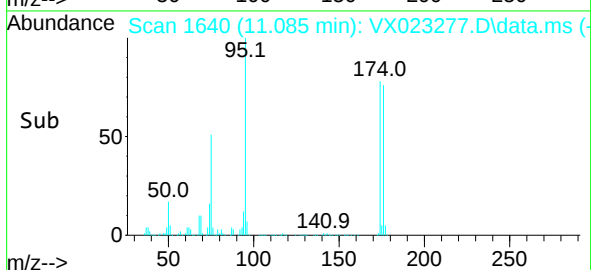
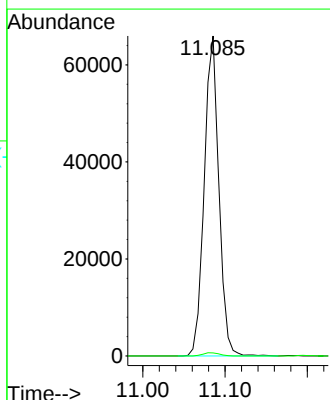
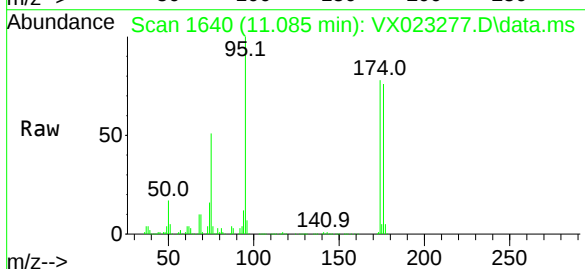
Instrument :
MSVOA_X
ClientSampled :

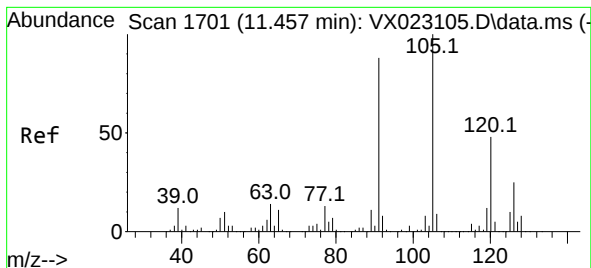
Tgt Ion:152 Resp: 141490
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 157.8 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 28.619 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

Tgt Ion: 75 Resp: 81486
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

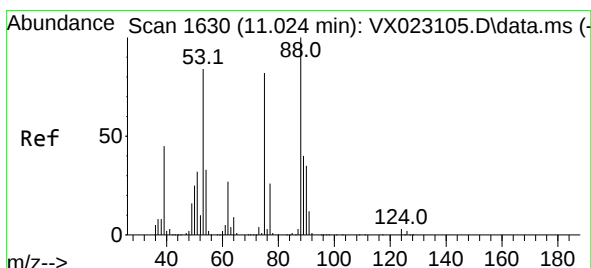
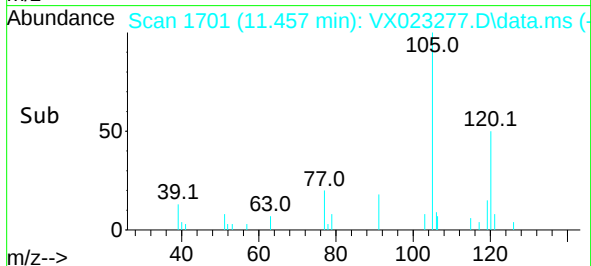
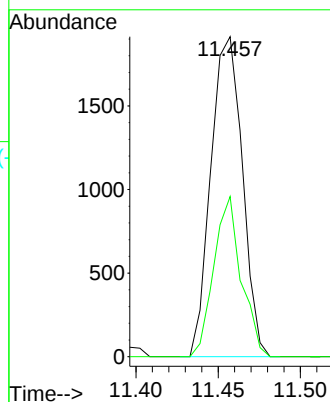
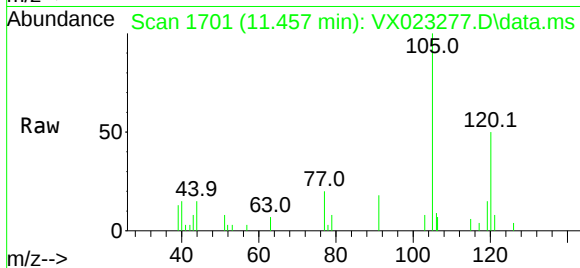




#80
1,3,5-Trimethylbenzene
Concen: 0.298 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

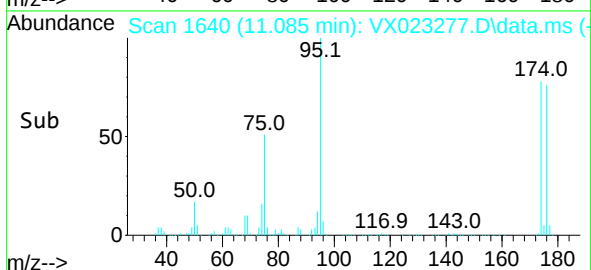
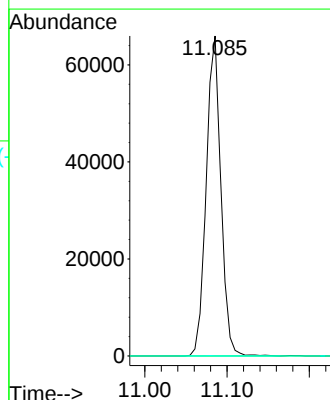
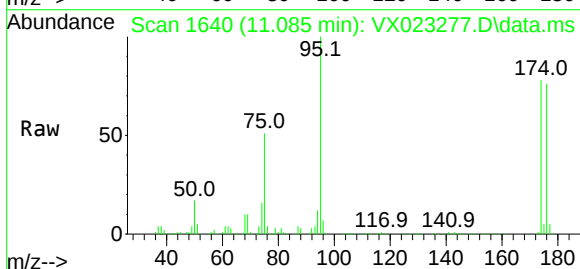
Instrument :
MSVOA_X
ClientSampled :

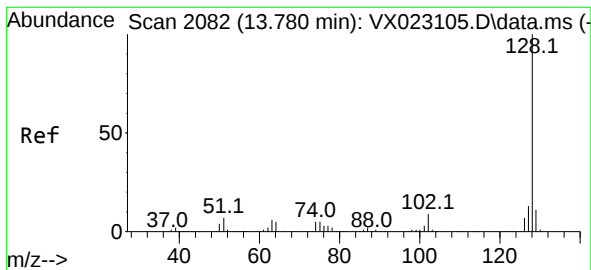
Tgt Ion:105 Resp: 2555
Ion Ratio Lower Upper
105 100
120 43.5 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 77.062 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

Tgt Ion: 75 Resp: 81486
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.321 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023277.D
Acq: 14 Jul 2021 14:24

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 497
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 10.1 8.8 13.2

