

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070621\
 Data File : VX023146.D
 Acq On : 06 Jul 2021 15:19
 Operator : JC/MD
 Sample : M2920-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 02:52:30 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)

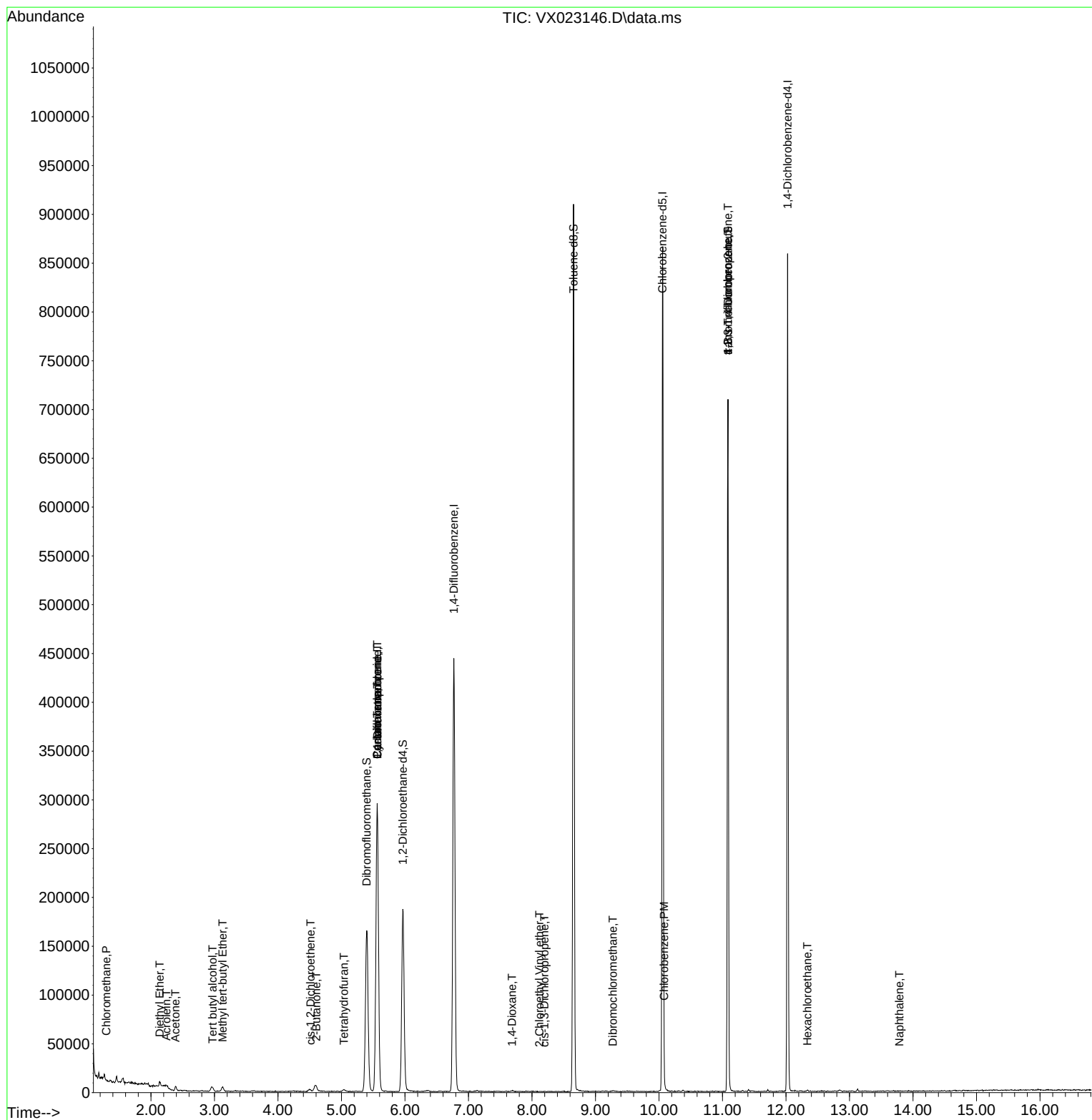
Internal Standards						
1) Pentafluorobenzene	5.562	168	272665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	444106	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	391253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	166201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	185969	50.747	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	101.500%	
35) Dibromofluoromethane	5.398	113	144263	50.304	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	100.600%	
50) Toluene-d8	8.653	98	523451	48.931	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	97.860%	
62) 4-Bromofluorobenzene	11.086	95	189224	45.818	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	91.640%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	609	0.249	ug/l	99
5) Bromomethane	1.618	94	681	Below Cal	#	57
8) Diethyl Ether	2.136	74	1605	0.966	ug/l	82
11) Tert butyl alcohol	2.971	59	4499	5.836	ug/l	99
13) Acrolein	2.240	56	105	0.205	ug/l #	14
16) Acetone	2.386	43	4089	2.820	ug/l #	84
19) Methyl tert-butyl Ether	3.130	73	4666	0.513	ug/l	93
25) 2-Butanone	4.605	43	1421	0.650	ug/l #	45
27) cis-1,2-Dichloroethene	4.514	96	1514	0.476	ug/l #	66
29) Tetrahydrofuran	5.038	42	1678	1.194	ug/l	96
31) Cyclohexane	5.562	56	6258	1.426	ug/l #	24
36) 1,1-Dichloropropene	5.562	75	21100	5.329	ug/l #	50
38) Carbon Tetrachloride	5.562	117	28087	6.797	ug/l #	16
49) 1,4-Dioxane	7.684	88	341	4.298	ug/l #	93
54) cis-1,3-Dichloropropene	8.196	75	19	2.176	ug/l #	49
58) 2-Chloroethyl Vinyl ether	8.117	63	22	4.698	ug/l #	45
60) Dibromochloromethane	9.275	129	98	3.139	ug/l #	11
65) Chlorobenzene	10.080	112	1945	0.251	ug/l	96
76) 1,2,3-Trichloropropane	11.086	75	99164	29.650	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.086	75	99164	79.665	ug/l #	12
90) Hexachloroethane	12.335	117	21	3.007	ug/l #	9
95) Naphthalene	13.786	128	322	1.301	ug/l #	69

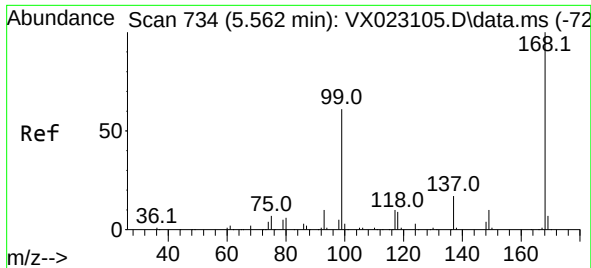
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

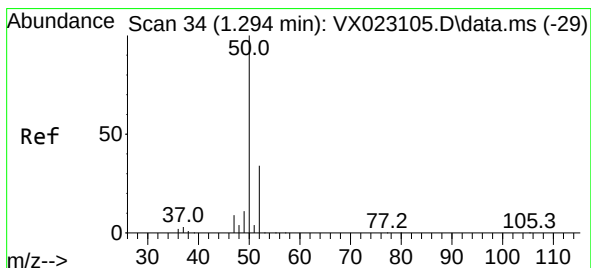
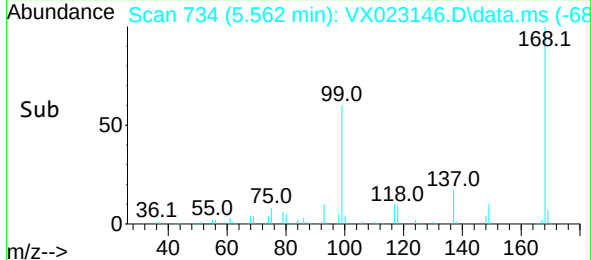
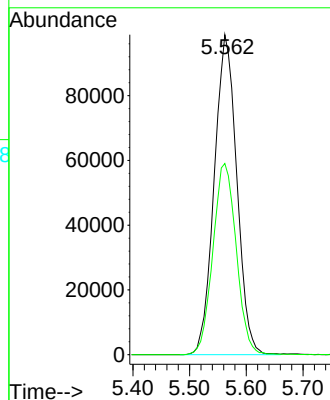
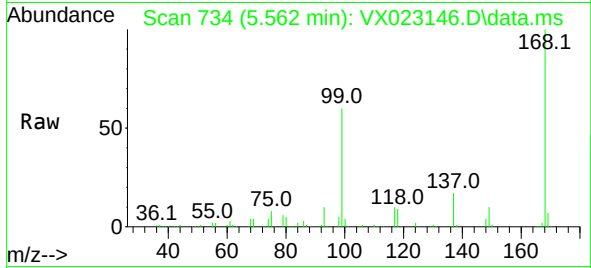




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

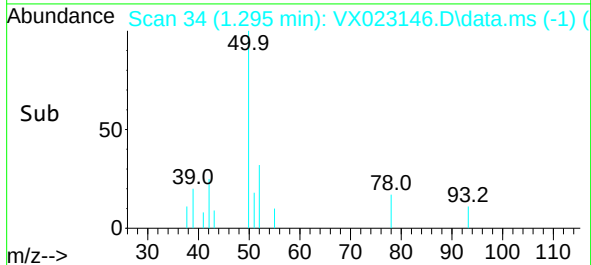
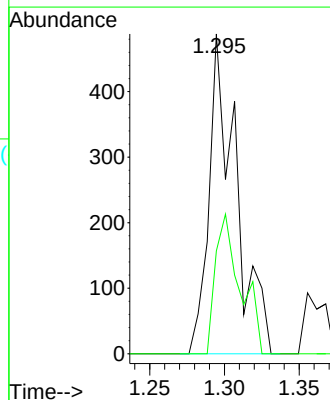
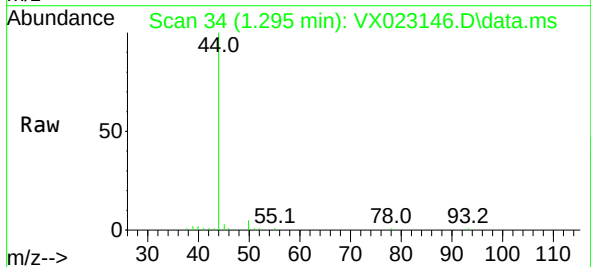
Instrument :
MSVOA_X
ClientSampleId :

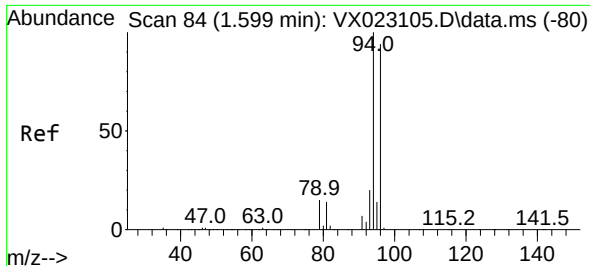
Tgt Ion:168 Resp: 272665
Ion Ratio Lower Upper
168 100
99 59.8 45.8 68.6



#3
Chloromethane
Concen: 0.249 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Tgt Ion: 50 Resp: 609
Ion Ratio Lower Upper
50 100
52 32.2 26.4 39.6

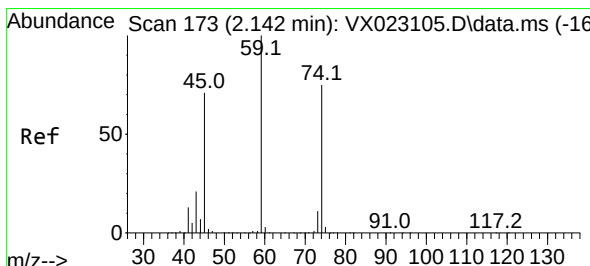
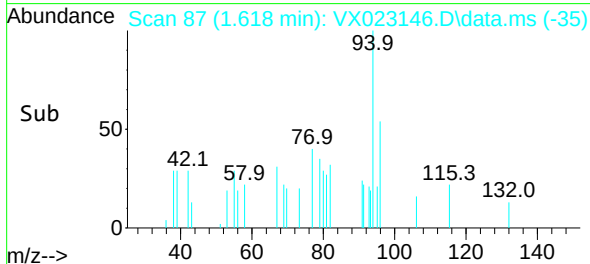
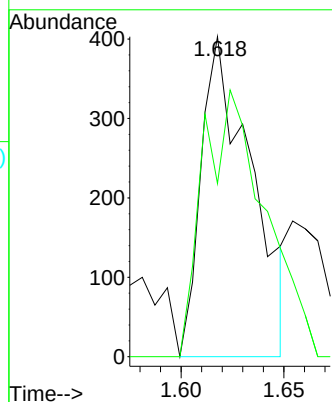
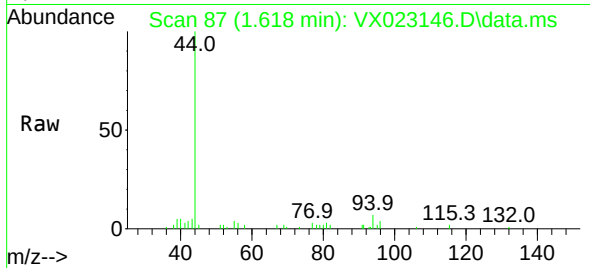




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

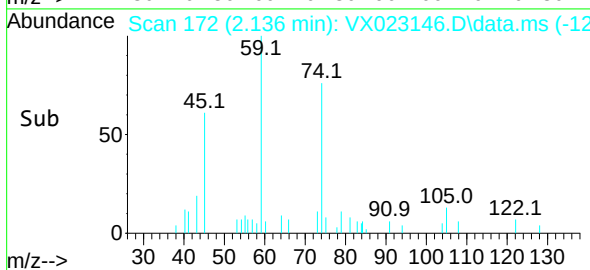
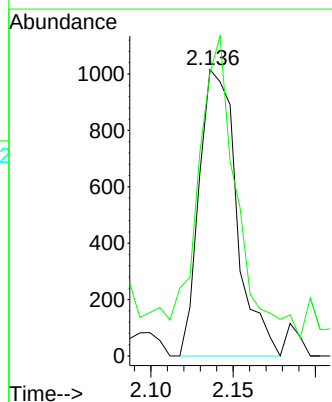
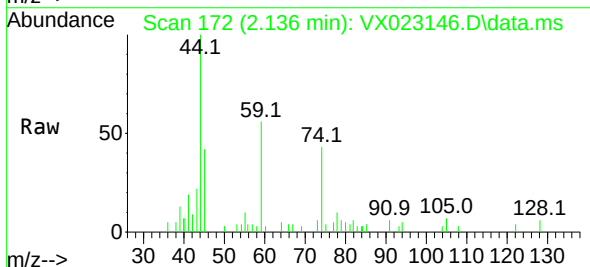
Instrument :
MSVOA_X
ClientSampled :

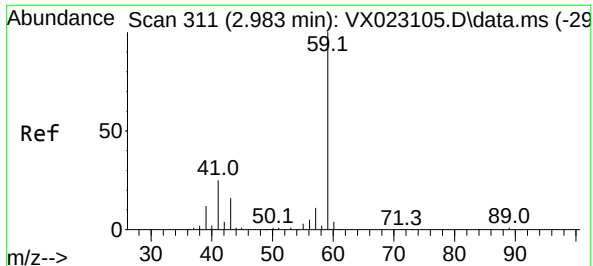
Tgt Ion: 94 Resp: 681
Ion Ratio Lower Upper
94 100
96 54.1 76.4 114.6#



#8
Diethyl Ether
Concen: 0.966 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.006 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Tgt Ion: 74 Resp: 1605
Ion Ratio Lower Upper
74 100
45 106.0 44.5 133.5

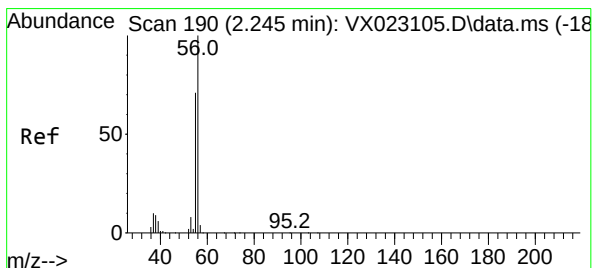
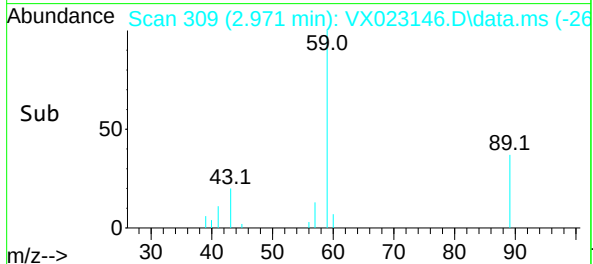
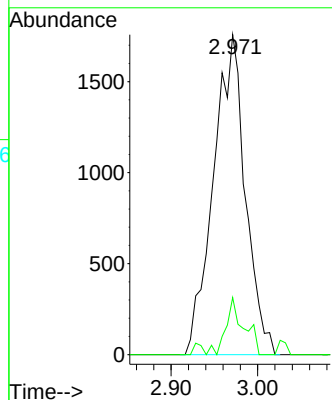
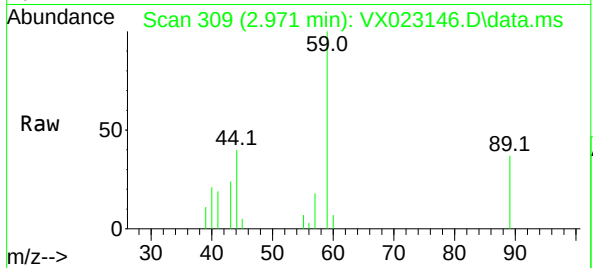




#11
Tert butyl alcohol
Concen: 5.836 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

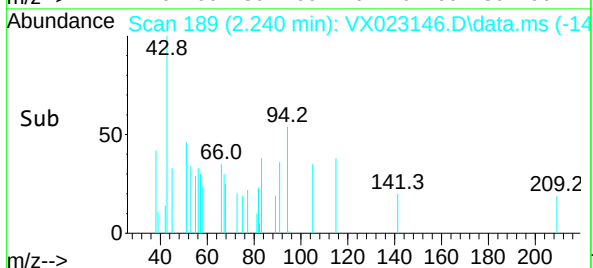
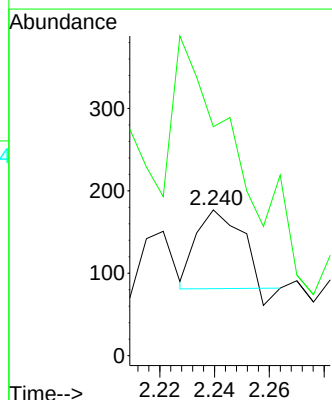
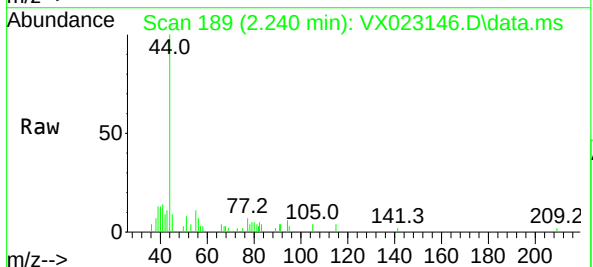
Instrument :
MSVOA_X
ClientSampled :

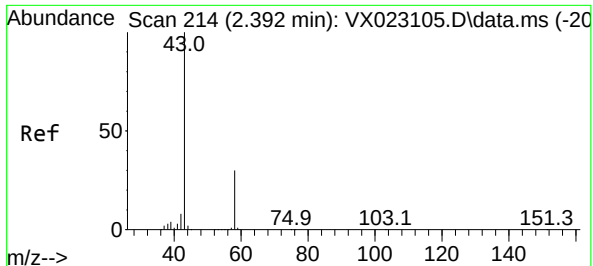
Tgt Ion: 59 Resp: 4499
Ion Ratio Lower Upper
59 100
57 10.0 7.8 11.8



#13
Acrolein
Concen: 0.205 ug/l
RT: 2.240 min Scan# 189
Delta R.T. -0.005 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

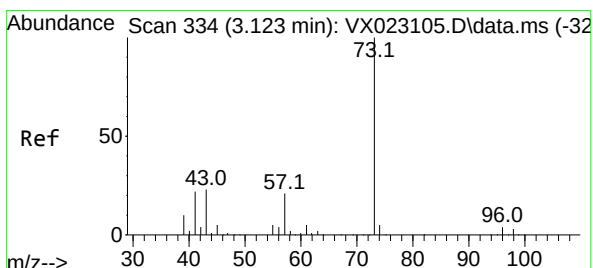
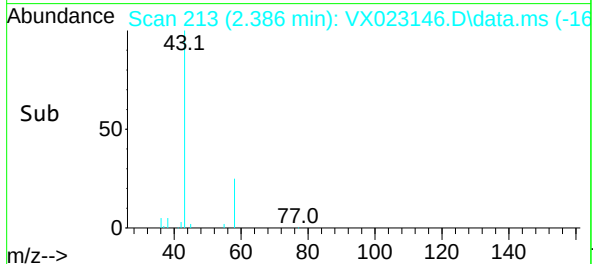
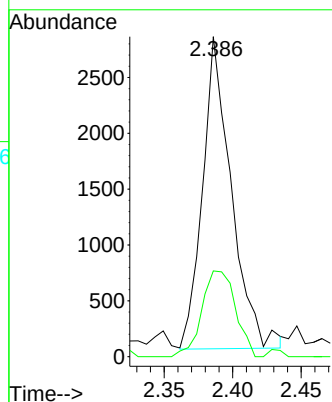
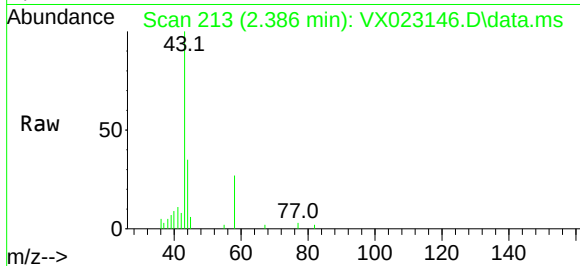




#16
Acetone
Concen: 2.820 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

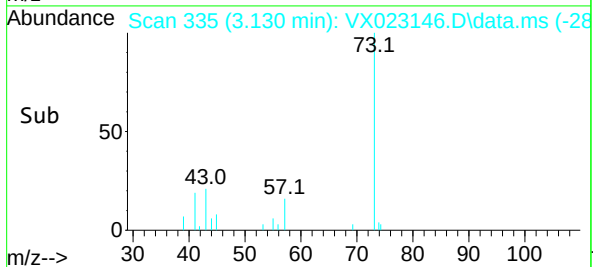
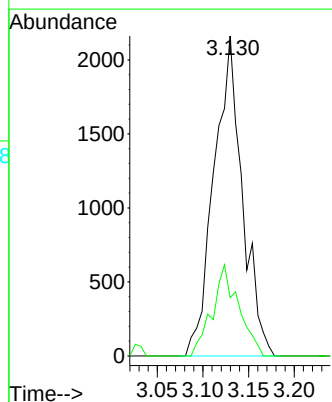
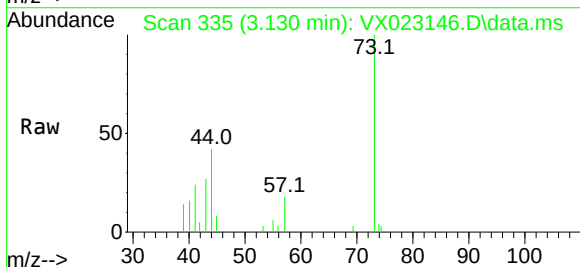
Instrument :
MSVOA_X
ClientSampleId :

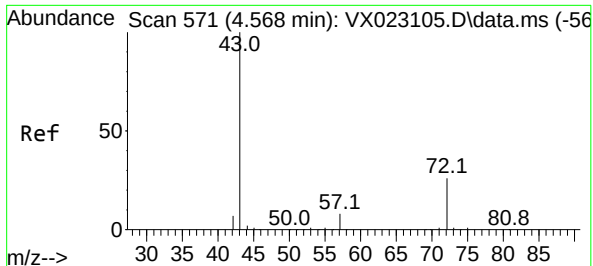
Tgt Ion: 43 Resp: 4089
Ion Ratio Lower Upper
43 100
58 25.8 27.8 41.8#



#19
Methyl tert-butyl Ether
Concen: 0.513 ug/l
RT: 3.130 min Scan# 335
Delta R.T. 0.007 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Tgt Ion: 73 Resp: 4666
Ion Ratio Lower Upper
73 100
57 18.2 17.1 25.7

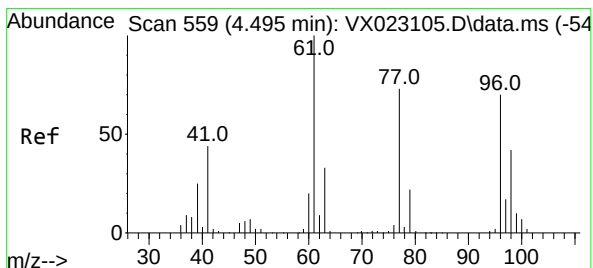
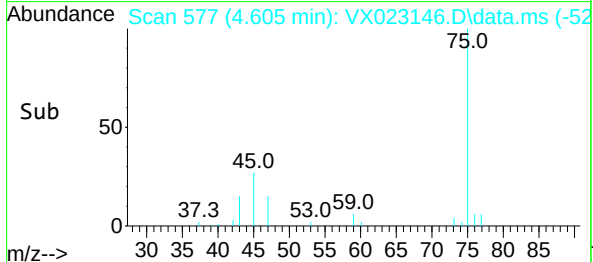
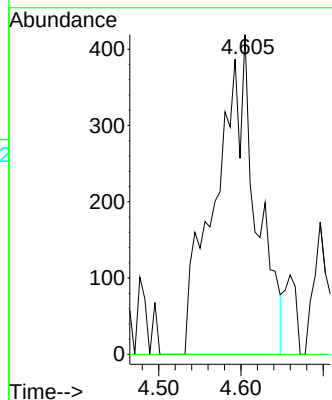
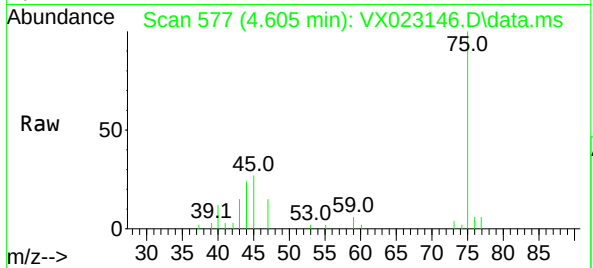




#25
2-Butanone
Concen: 0.650 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.037 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

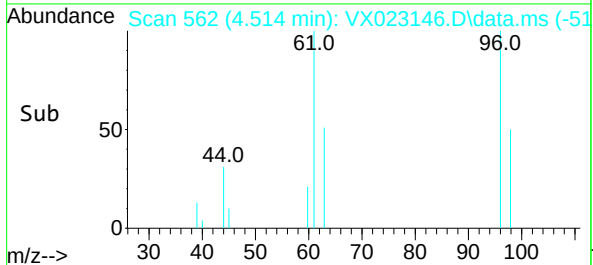
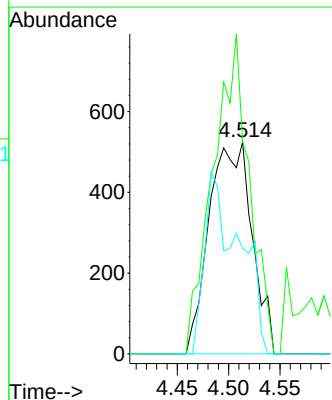
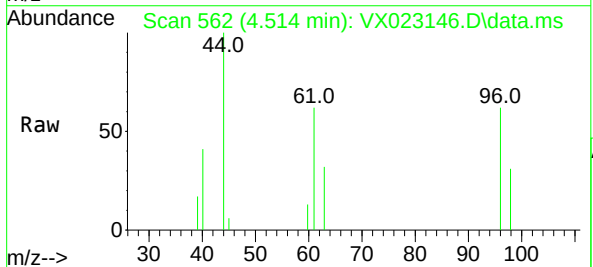
Instrument :
MSVOA_X
ClientSampled :

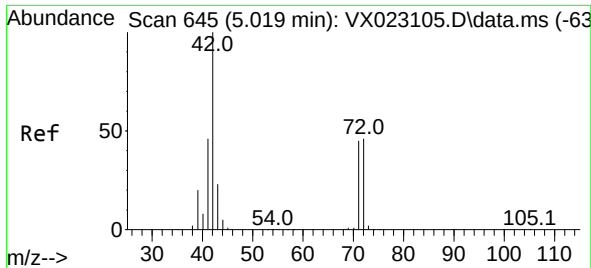
Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 0.476 ug/l
RT: 4.514 min Scan# 562
Delta R.T. 0.019 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Tgt Ion: 96 Resp: 1514
Ion Ratio Lower Upper
96 100
61 128.3 0.0 285.6
98 0.0 0.0 129.6





#29

Tetrahydrofuran

Concen: 1.194 ug/l

RT: 5.038 min Scan# 648

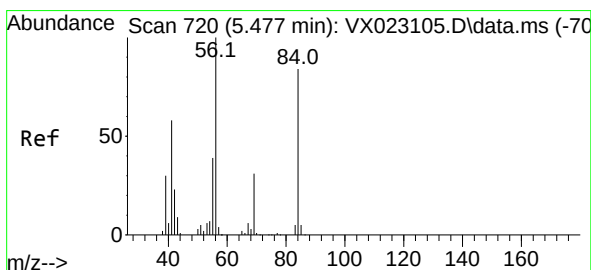
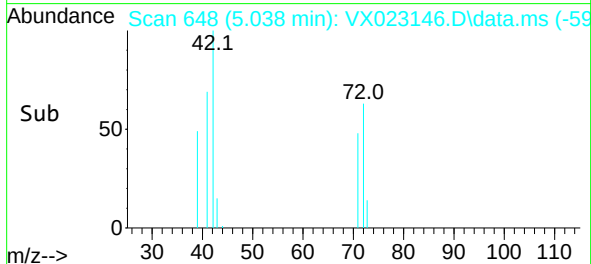
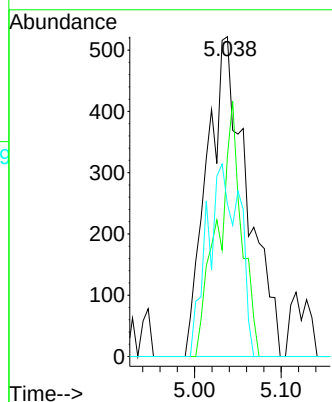
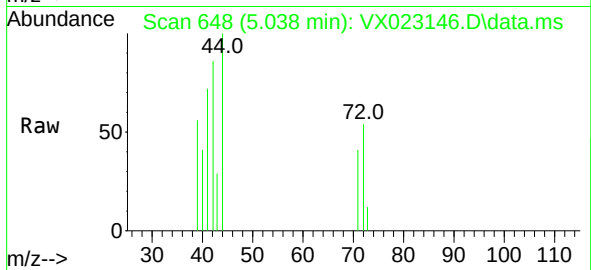
Delta R.T. 0.019 min

Lab File: VX023146.D

Acq: 06 Jul 2021 15:19

Tgt Ion:	42	Resp:	1678
Ion	Ratio	Lower	Upper
42	100		
72	47.3	41.7	62.5
71	48.5	38.4	57.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.426 ug/l

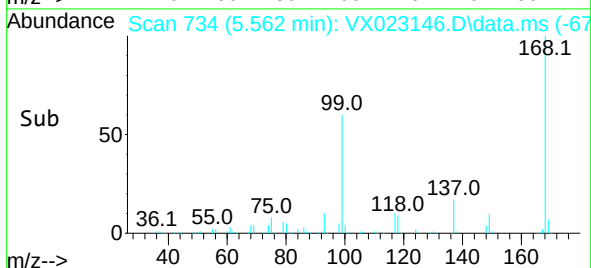
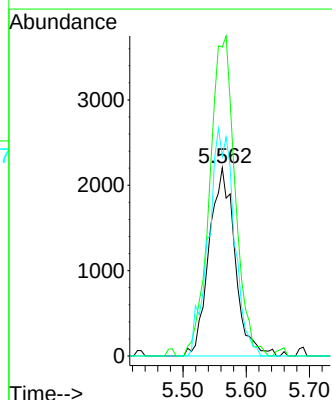
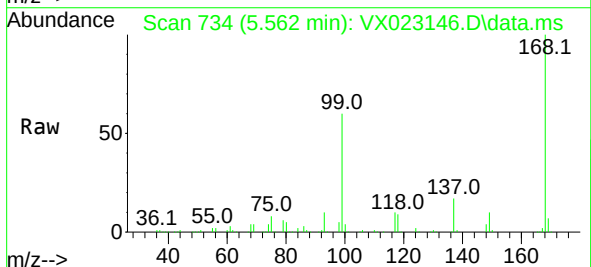
RT: 5.562 min Scan# 734

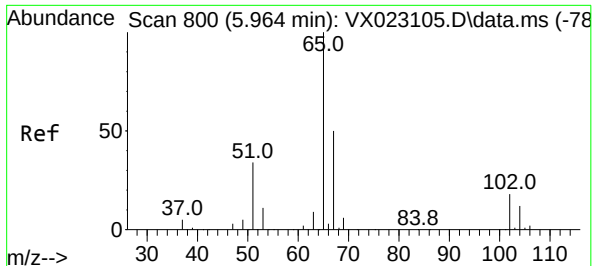
Delta R.T. 0.085 min

Lab File: VX023146.D

Acq: 06 Jul 2021 15:19

Tgt Ion:	56	Resp:	6258
Ion	Ratio	Lower	Upper
56	100		
69	164.1	25.3	37.9#
84	106.0	71.4	107.0



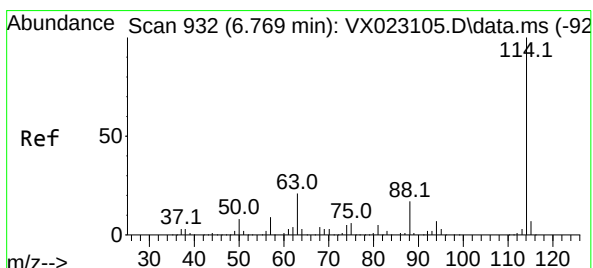
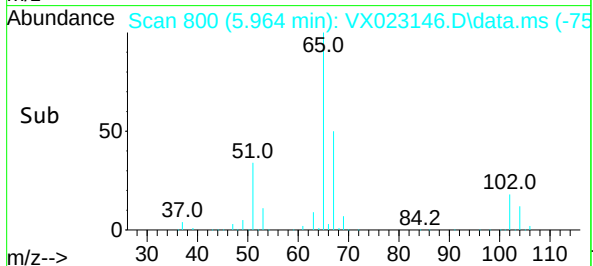
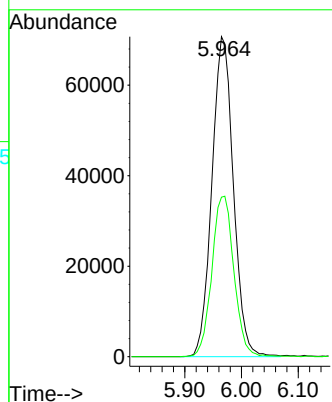
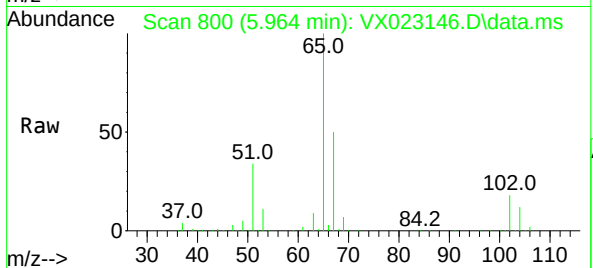


#33

1,2-Dichloroethane-d4
Concen: 50.747 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Instrument :
MSVOA_X
ClientSampleId :

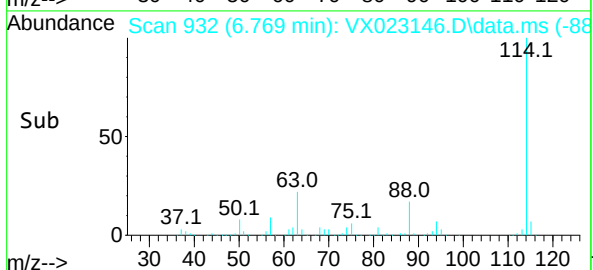
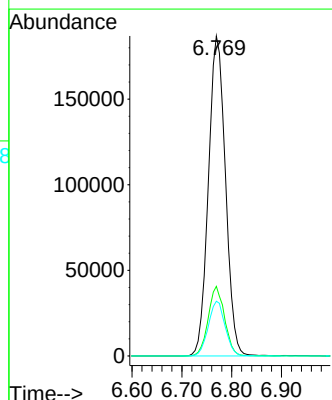
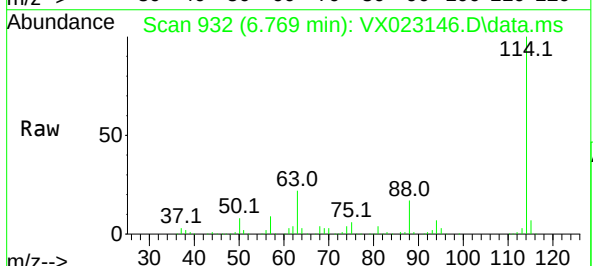
Tgt Ion: 65 Resp: 185969
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.4

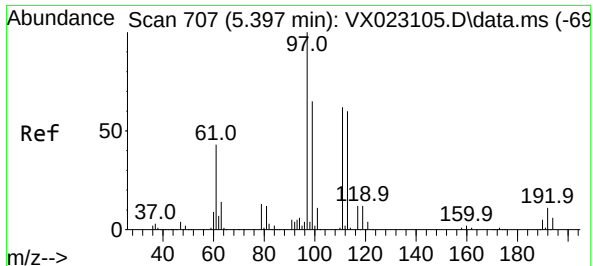


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Tgt Ion:114 Resp: 444106
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 17.1 0.0 32.8

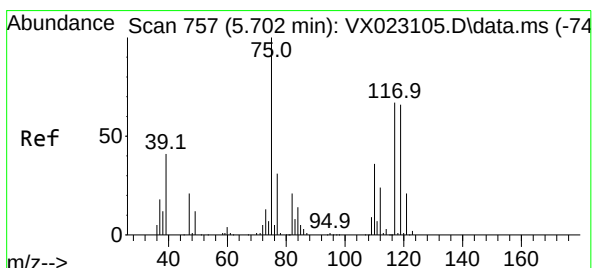
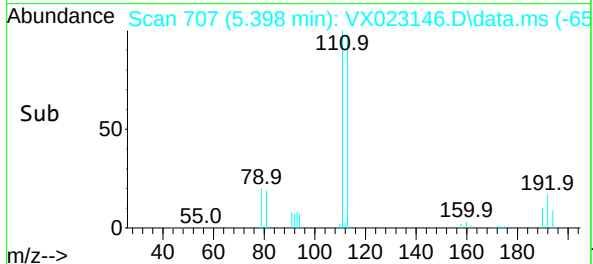
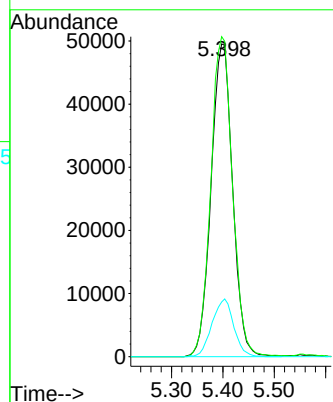
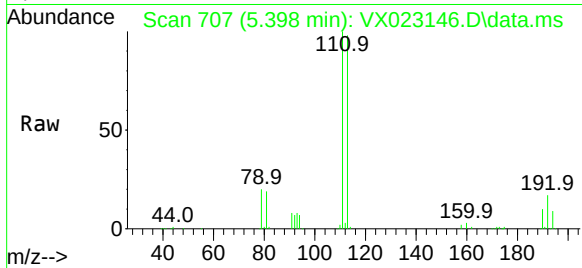




#35
Dibromofluoromethane
Concen: 50.304 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.001 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

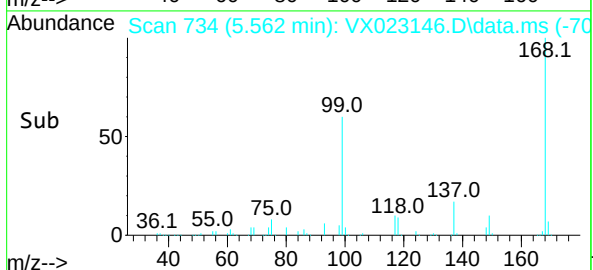
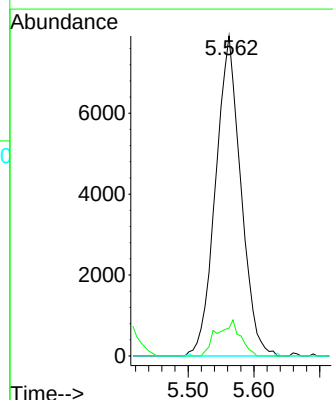
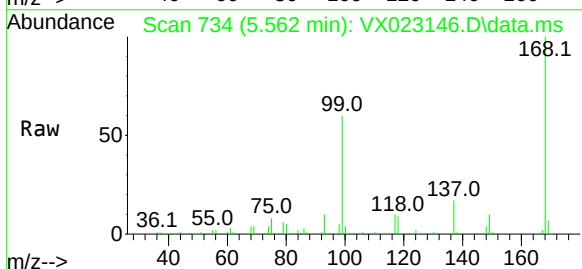
Instrument :
MSVOA_X
ClientSampled :

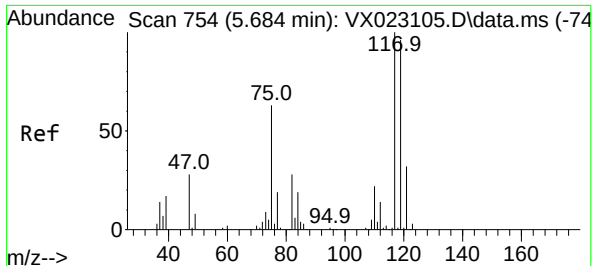
Tgt Ion:113 Resp: 144263
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 18.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.329 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

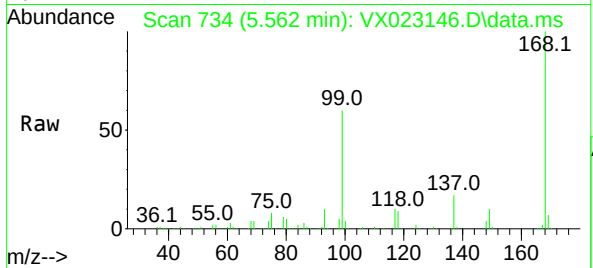
Tgt Ion: 75 Resp: 21100
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 25.3 37.9#



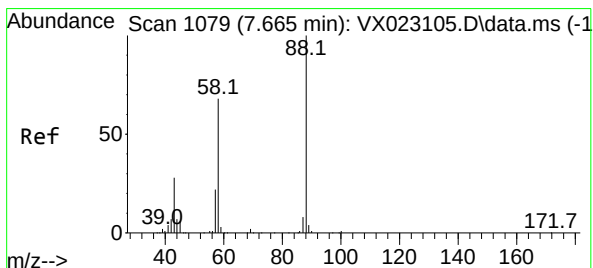
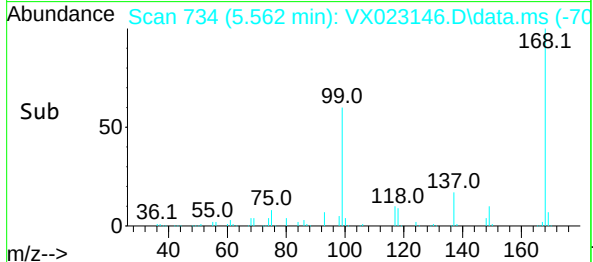
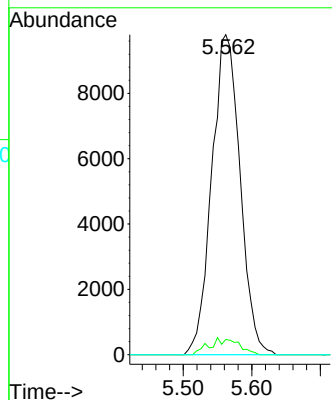


#38
Carbon Tetrachloride
Concen: 6.797 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Instrument :
MSVOA_X
ClientSampled :

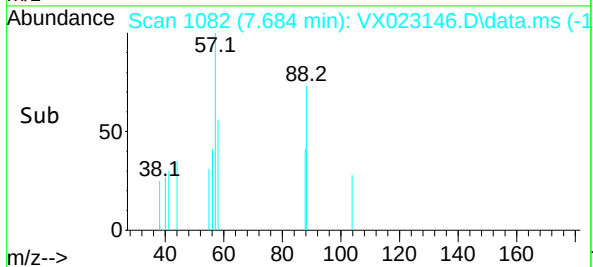
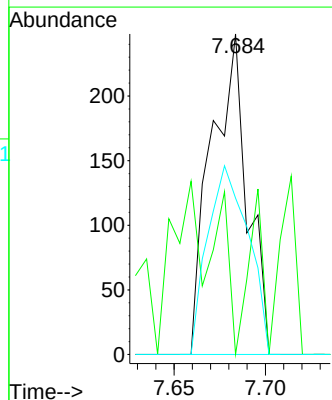
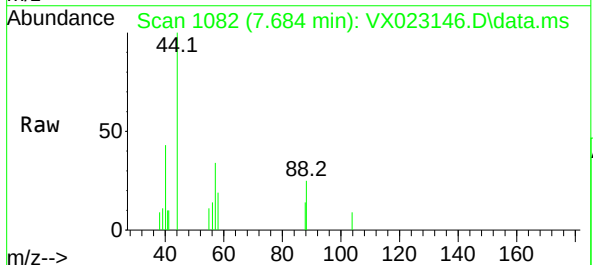


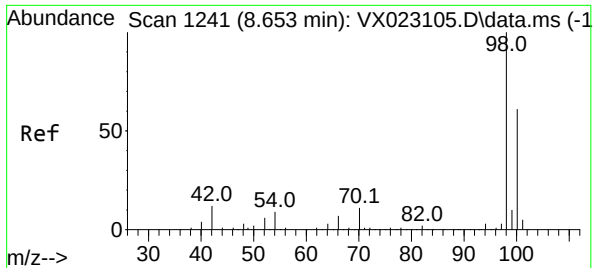
Tgt Ion:117 Resp: 28087
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#



#49
1,4-Dioxane
Concen: 4.298 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.019 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Tgt Ion: 88 Resp: 341
Ion Ratio Lower Upper
88 100
43 19.9 23.2 34.8#
58 66.3 55.0 82.4

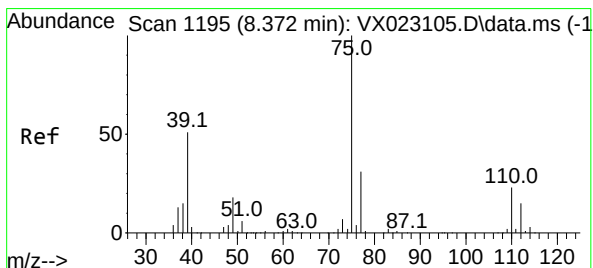
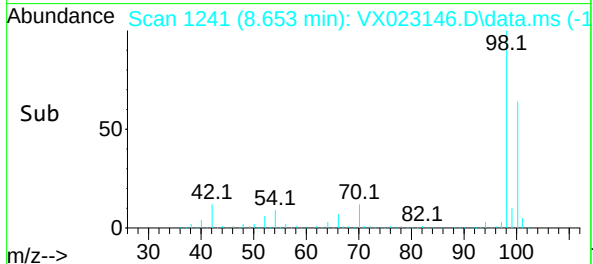
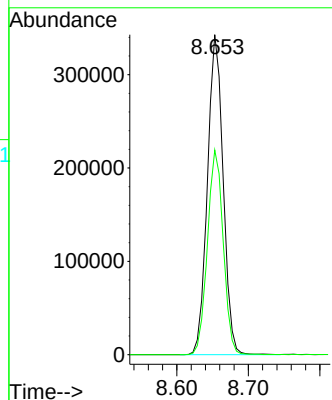
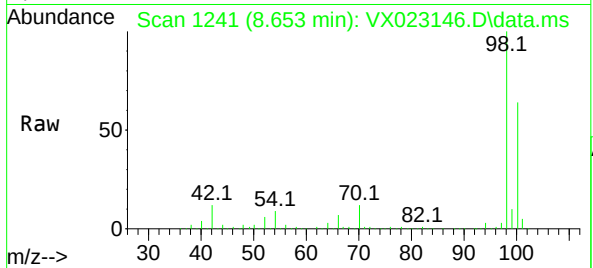




#50
Toluene-d8
Concen: 48.931 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

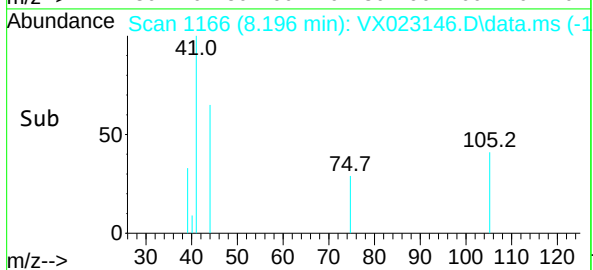
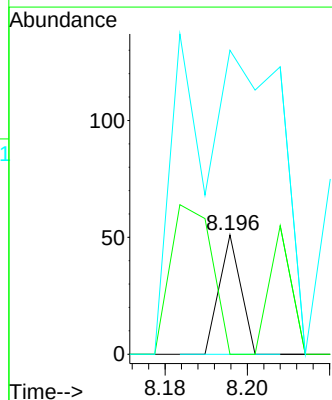
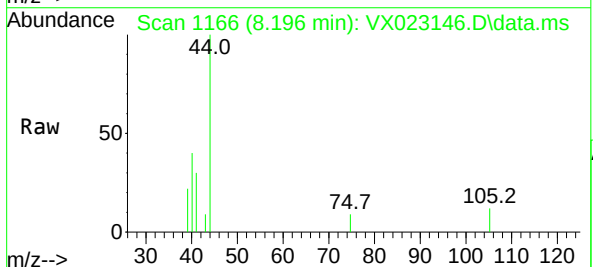
Instrument :
MSVOA_X
ClientSampled :

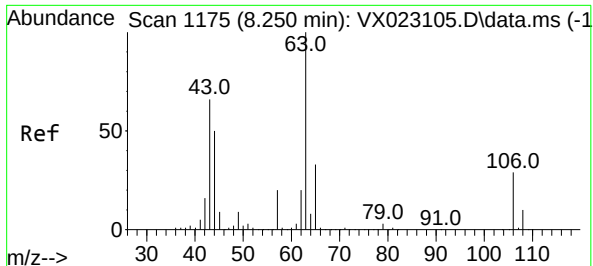
Tgt Ion: 98 Resp: 523451
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#54
cis-1,3-Dichloropropene
Concen: 2.176 ug/l
RT: 8.196 min Scan# 1166
Delta R.T. -0.176 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 13.7 35.1 52.7#

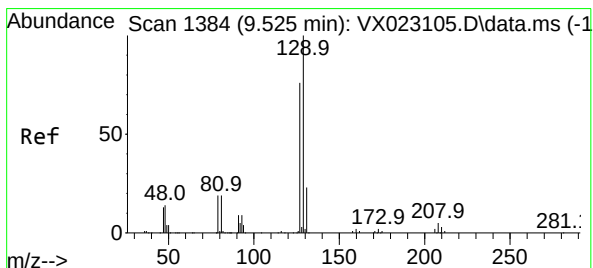
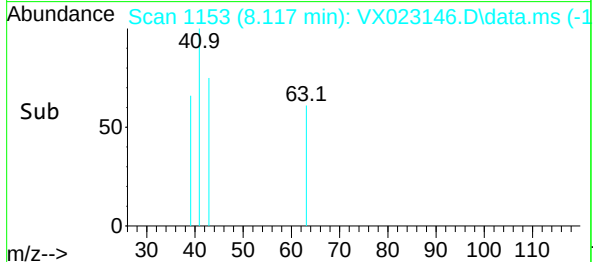
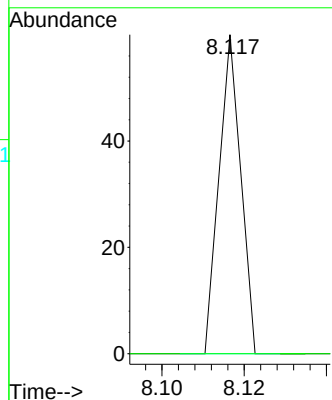
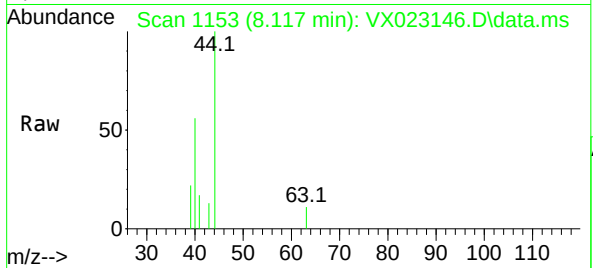




#58
2-Chloroethyl Vinyl ether
Concen: 4.698 ug/l
RT: 8.117 min Scan# 1153
Delta R.T. -0.133 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

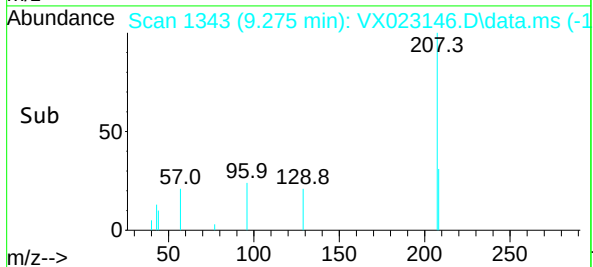
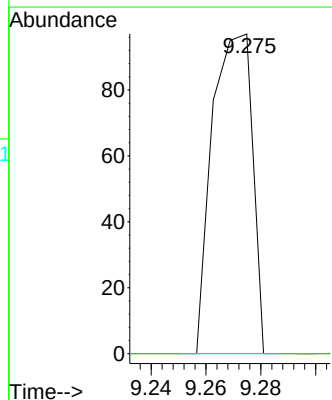
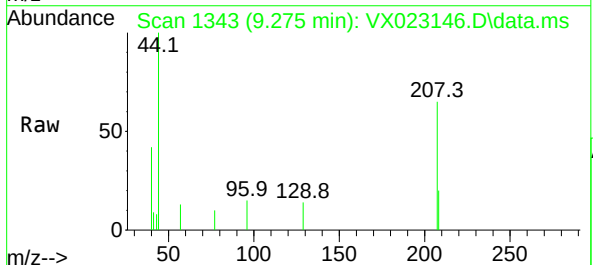
Instrument :
MSVOA_X
ClientSampled :

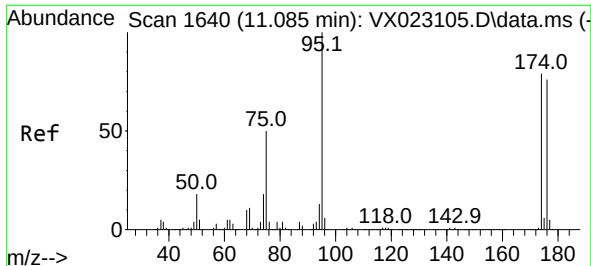
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#60
Dibromochloromethane
Concen: 3.139 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Tgt Ion: 129 Resp: 98
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

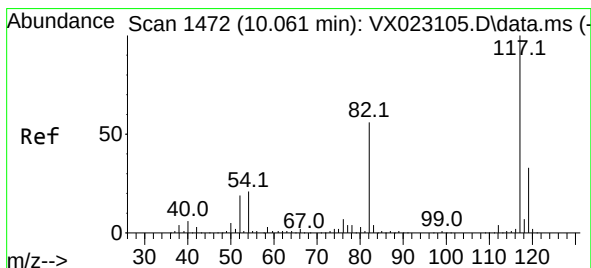
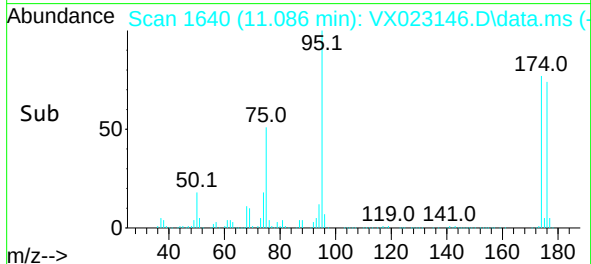
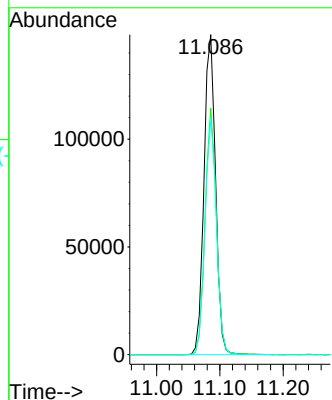
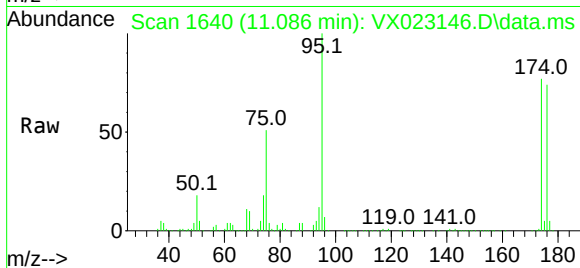




#62
4-Bromofluorobenzene
Concen: 45.818 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.001 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

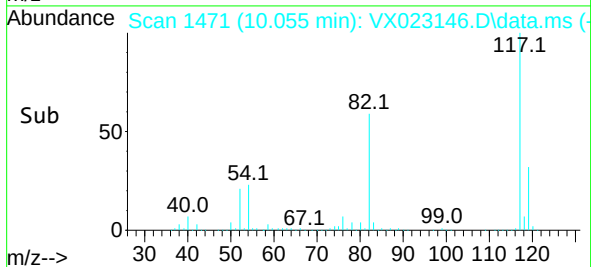
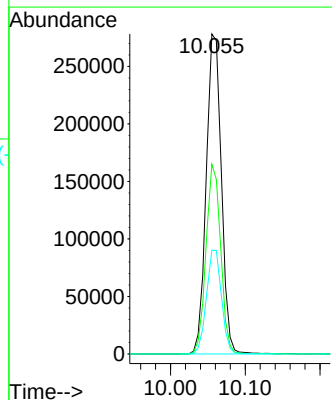
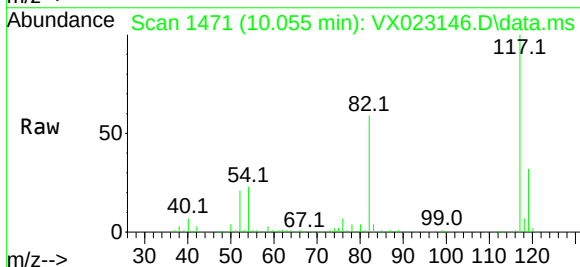
Instrument :
MSVOA_X
ClientSampled :

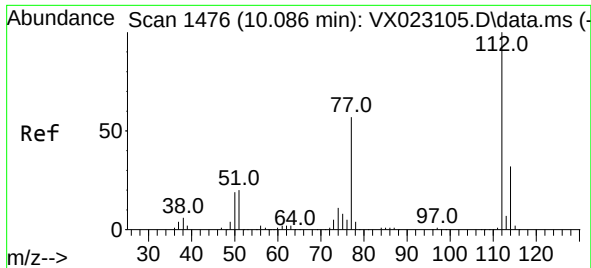
Tgt Ion: 95 Resp: 189224
Ion Ratio Lower Upper
95 100
174 75.9 0.0 154.6
176 72.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Tgt Ion: 117 Resp: 391253
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 32.4 26.6 39.8

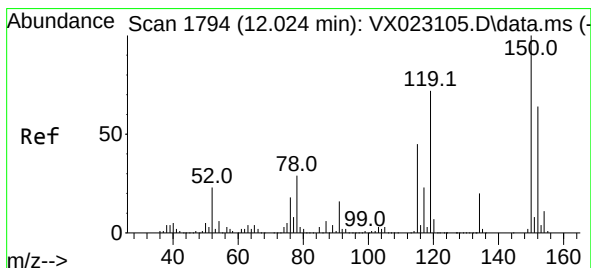
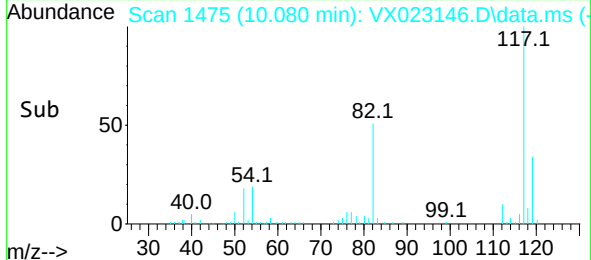
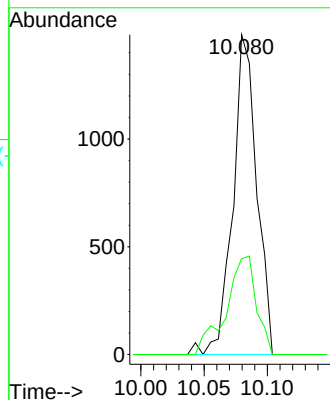
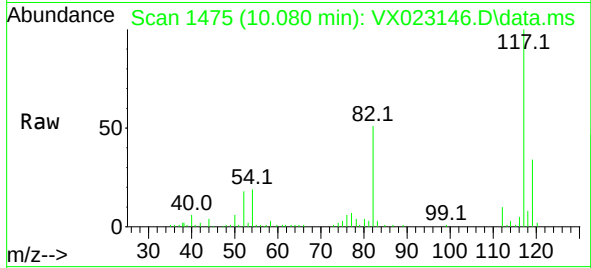




#65
Chlorobenzene
Concen: 0.251 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

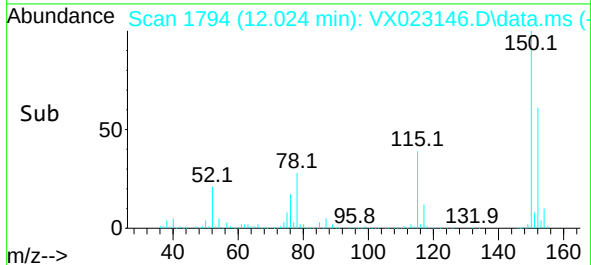
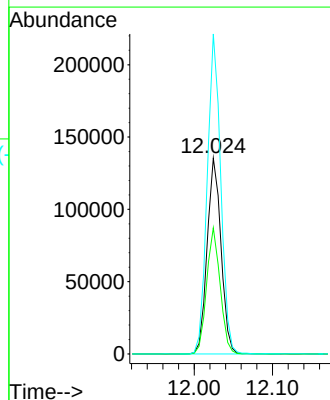
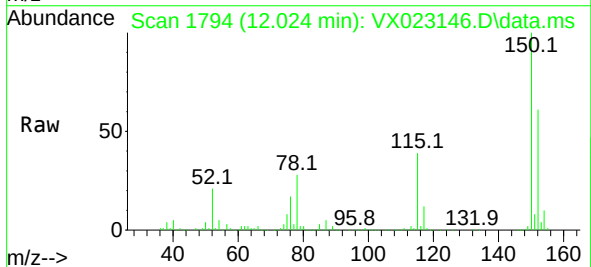
Instrument :
MSVOA_X
ClientSampled :

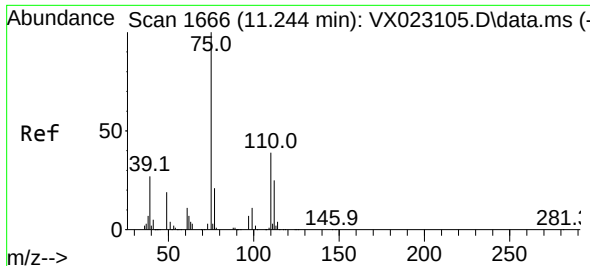
Tgt Ion:112 Resp: 1945
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Tgt Ion:152 Resp: 166201
Ion Ratio Lower Upper
152 100
115 62.7 41.1 123.3
150 158.8 0.0 349.0

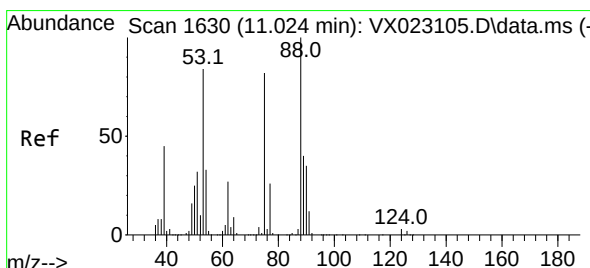
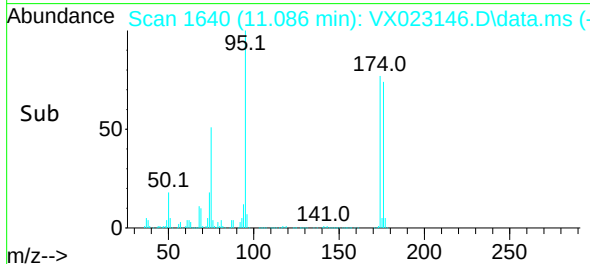
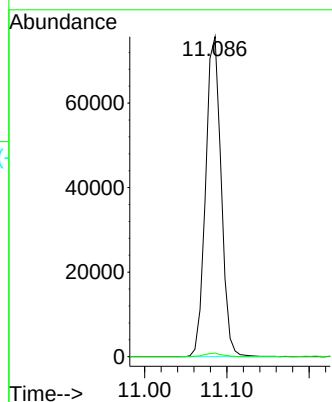
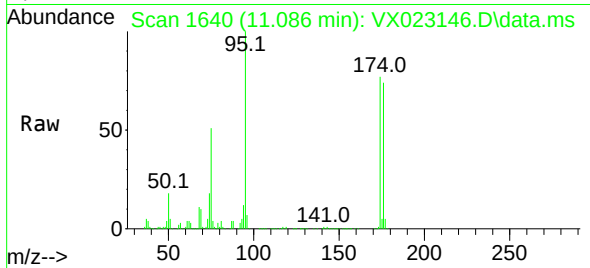




#76
1,2,3-Trichloropropane
Concen: 29.650 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

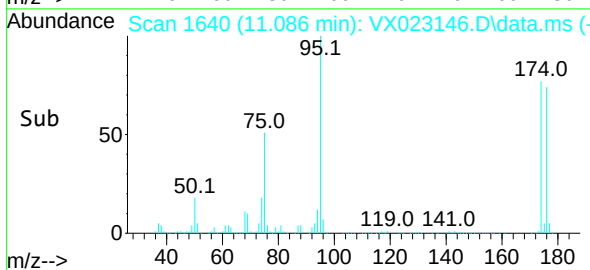
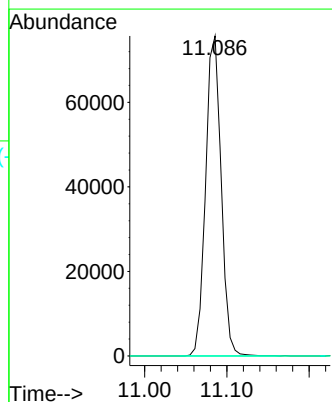
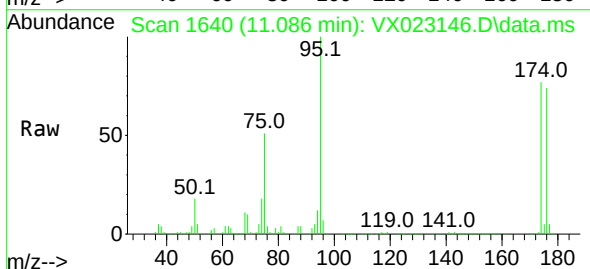
Instrument :
MSVOA_X
ClientSampled :

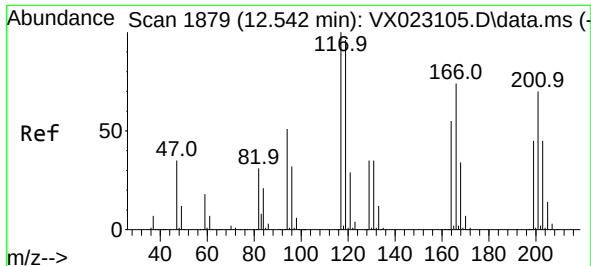
Tgt Ion: 75 Resp: 99164
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.665 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.062 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Tgt Ion: 75 Resp: 99164
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

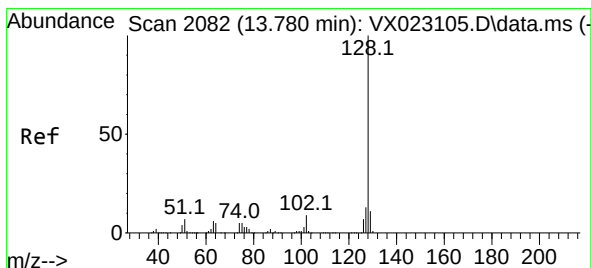
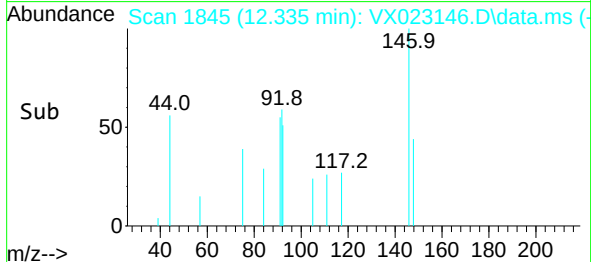
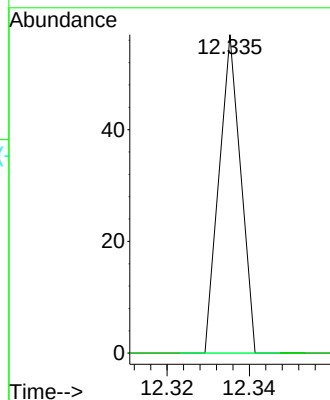
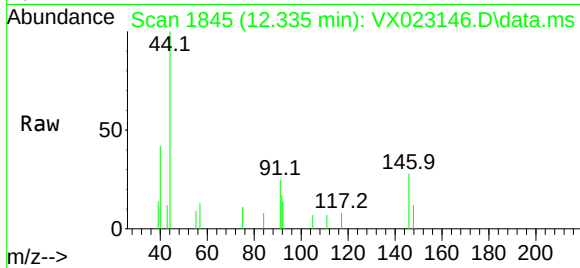




#90
Hexachloroethane
Concen: 3.007 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.207 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:117 Resp: 21
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 1.301 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023146.D
Acq: 06 Jul 2021 15:19

Tgt Ion:128 Resp: 322
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

