

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081621\
 Data File : VX023745.D
 Acq On : 16 Aug 2021 17:58
 Operator : JC/MD
 Sample : M3407-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 17 06:19:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

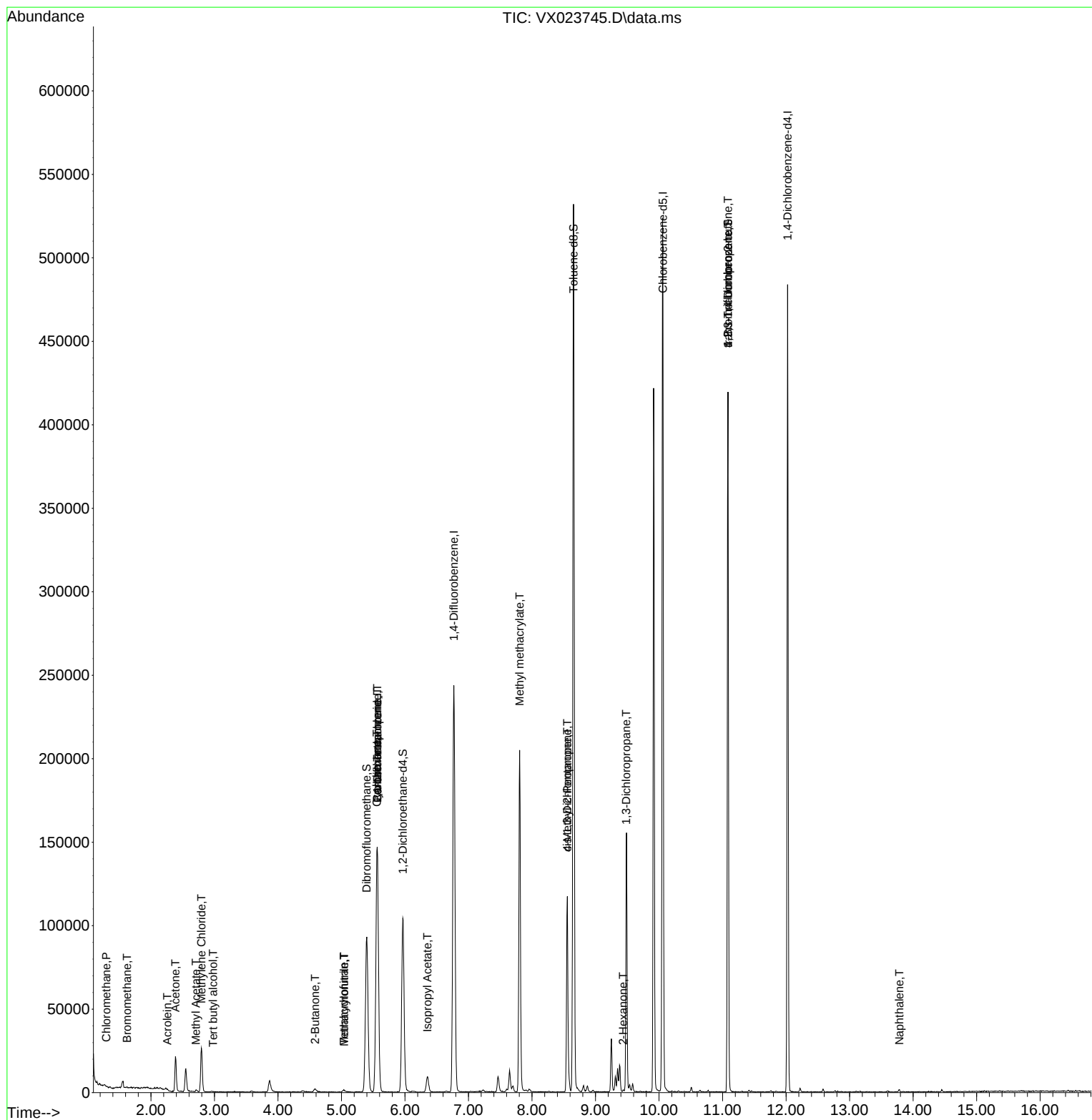
Internal Standards						
1) Pentafluorobenzene	5.562	168	140308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	243573	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	232454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102185	58.384	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 116.760%	
35) Dibromofluoromethane	5.397	113	79183	51.994	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.980%	
50) Toluene-d8	8.653	98	304444	54.411	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.820%	
62) 4-Bromofluorobenzene	11.085	95	104882	55.125	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	333	0.221	ug/l #	42
5) Bromomethane	1.624	94	405	0.448	ug/l	92
11) Tert butyl alcohol	2.977	59	359	0.898	ug/l #	73
13) Acrolein	2.258	56	39	1.555	ug/l #	58
16) Acetone	2.386	43	22287	25.959	ug/l	89
18) Methyl Acetate	2.709	43	1542	0.756	ug/l #	80
20) Methylene Chloride	2.794	84	11620	6.958	ug/l #	90
25) 2-Butanone	4.587	43	2877	2.158	ug/l	95
29) Tetrahydrofuran	5.038	42	1125	1.288	ug/l #	63
31) Cyclohexane	5.556	56	3136	1.210	ug/l #	46
36) 1,1-Dichloropropene	5.562	75	10950	4.970	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14089	6.288	ug/l #	15
41) Methacrylonitrile	5.044	41	504	0.344	ug/l #	38
43) Isopropyl Acetate	6.355	43	12824	2.979	ug/l	93
48) Methyl methacrylate	7.806	41	19686	9.874	ug/l #	37
51) 4-Methyl-2-Pentanone	8.555	43	42759	16.239	ug/l #	47
54) cis-1,3-Dichloropropene	8.555	75	16305	6.191	ug/l #	74
57) 1,3-Dichloropropane	9.482	76	1422	0.511	ug/l #	42
59) 2-Hexanone	9.433	43	724	0.362	ug/l	81
76) 1,2,3-Trichloropropane	11.085	75	55922	26.629	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55922	71.603	ug/l #	12
95) Naphthalene	13.786	128	1347	0.200	ug/l #	84

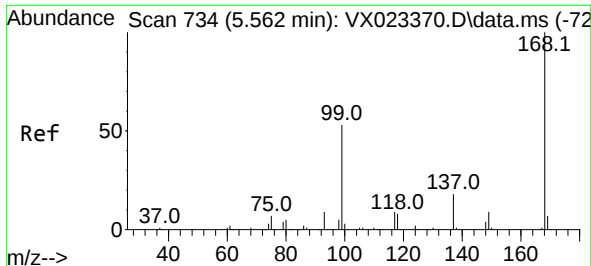
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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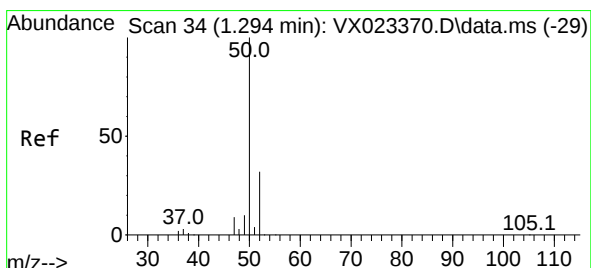
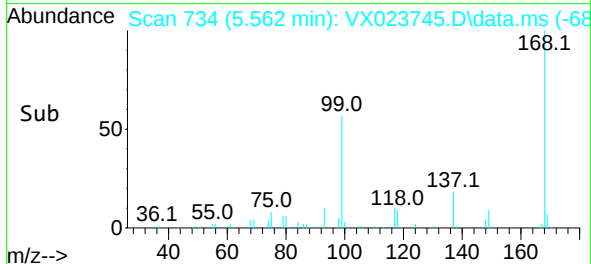
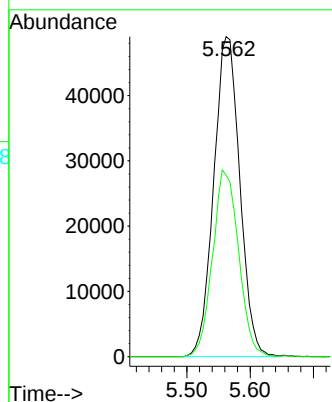
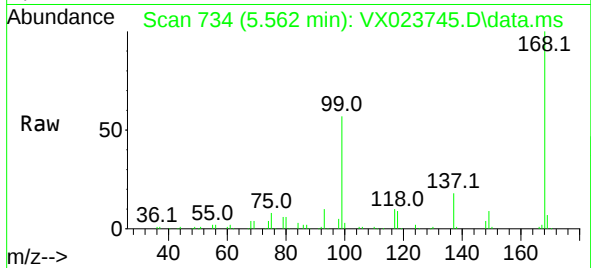




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

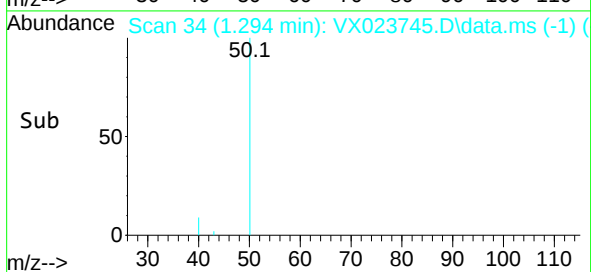
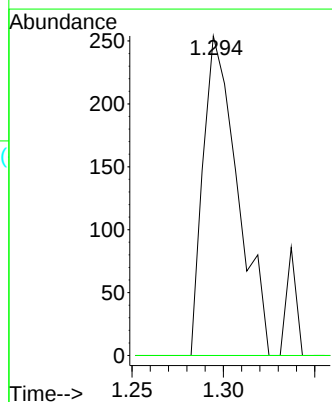
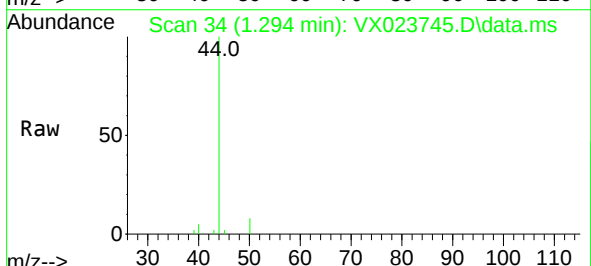
Instrument :
MSVOA_X
ClientSampleId :

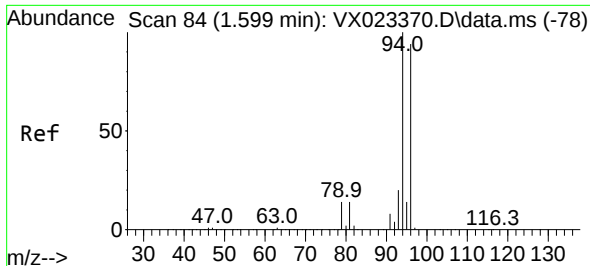
Tgt Ion:168 Resp: 140308
Ion Ratio Lower Upper
168 100
99 56.8 45.8 68.6



#3
Chloromethane
Concen: 0.221 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

Tgt Ion: 50 Resp: 333
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

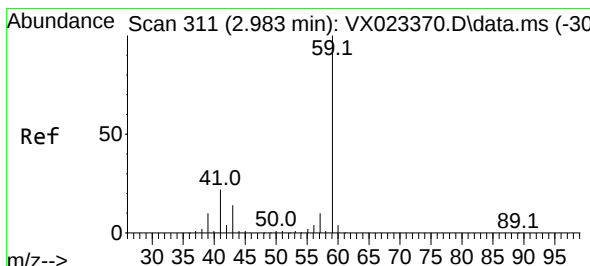
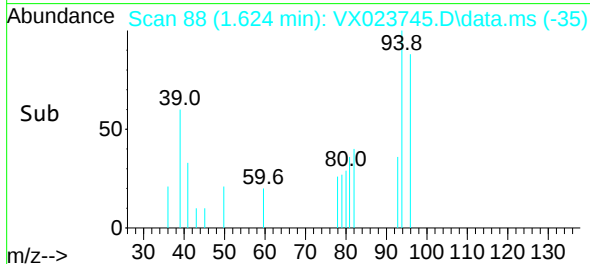
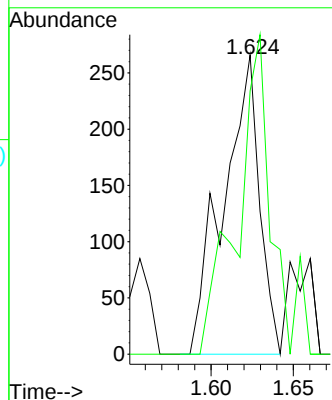
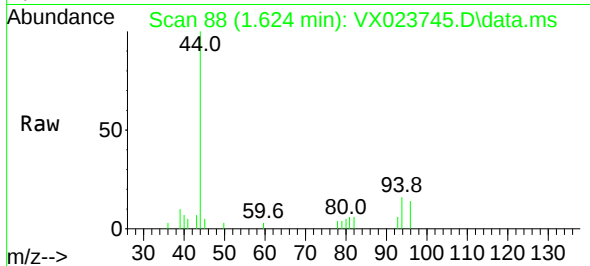




#5
Bromomethane
Concen: 0.448 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

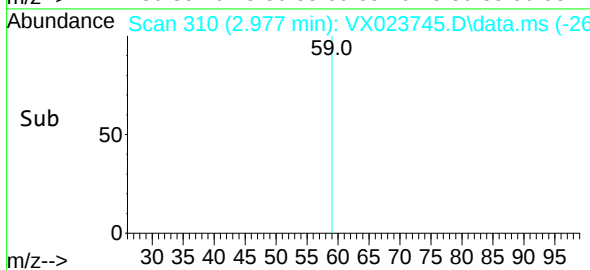
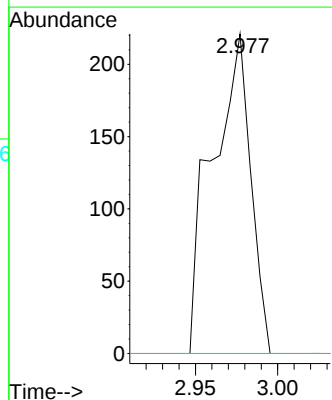
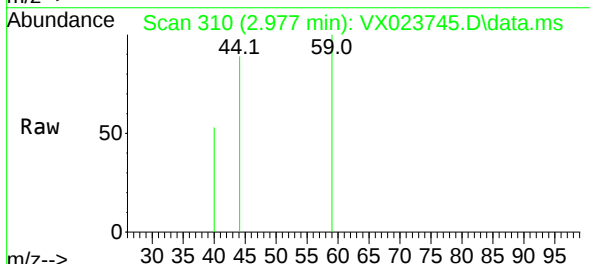
Instrument :
MSVOA_X
ClientSampled :

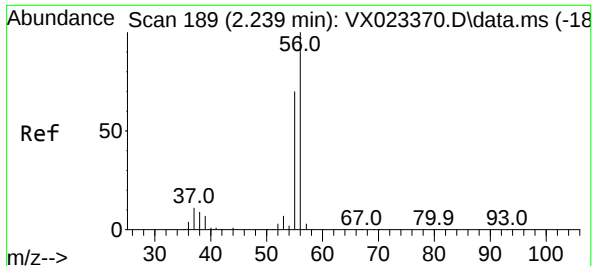
Tgt Ion: 94 Resp: 405
Ion Ratio Lower Upper
94 100
96 88.0 76.4 114.6



#11
Tert butyl alcohol
Concen: 0.898 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

Tgt Ion: 59 Resp: 359
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

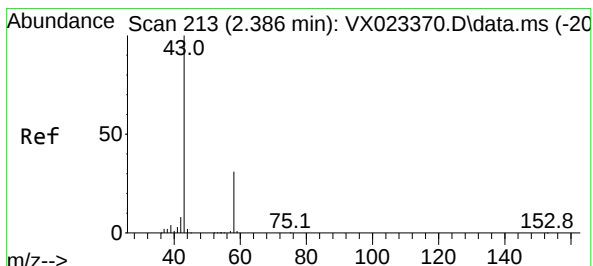
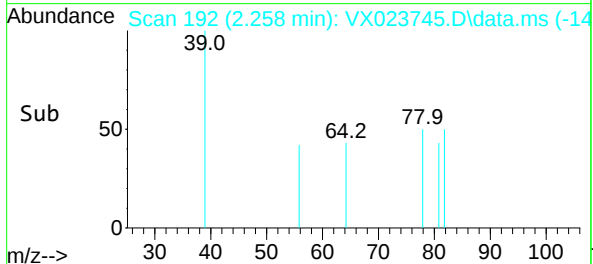
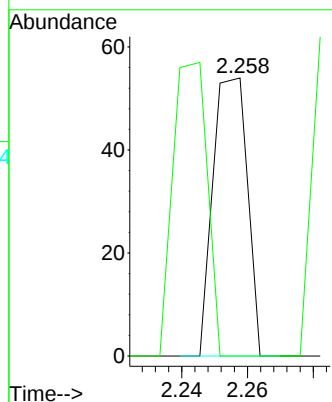
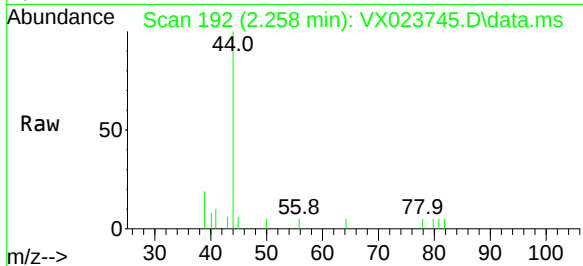




#13
Acrolein
Concen: 1.555 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.019 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

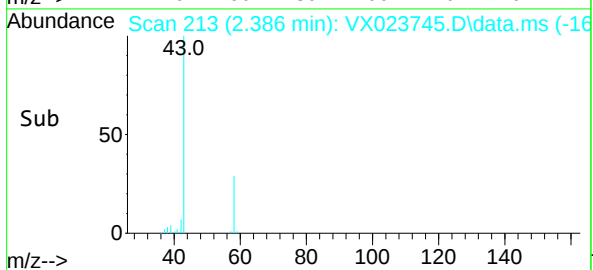
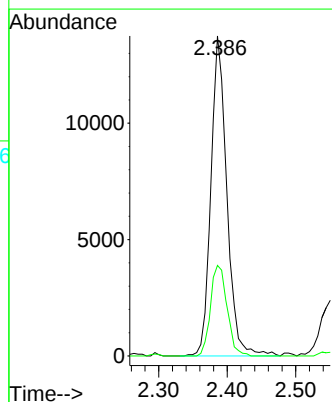
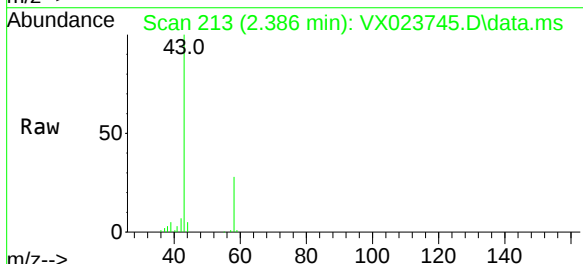
Instrument :
MSVOA_X
ClientSampleId :

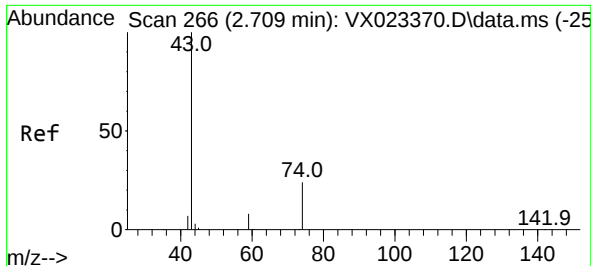
Tgt Ion: 56 Resp: 39
Ion Ratio Lower Upper
56 100
55 105.1 56.4 84.6#



#16
Acetone
Concen: 25.959 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

Tgt Ion: 43 Resp: 22287
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8





#18

Methyl Acetate

Concen: 0.756 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX023745.D

Acq: 16 Aug 2021 17:58

Tgt Ion: 43 Resp: 1542

Ion Ratio Lower Upper

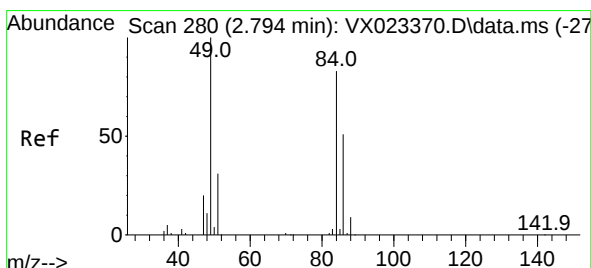
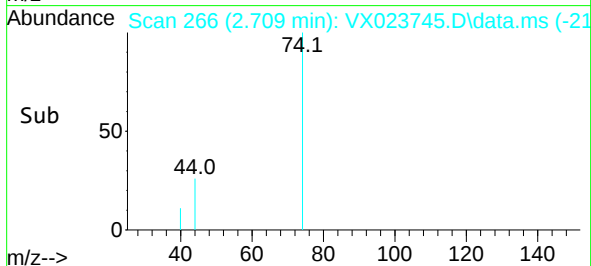
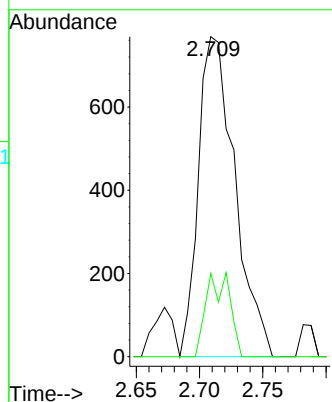
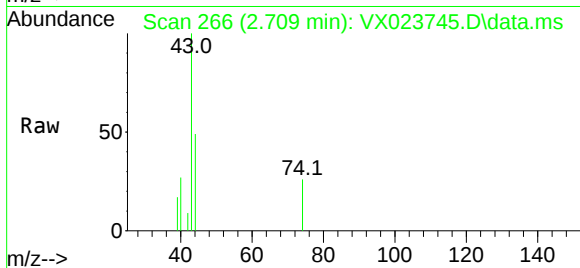
43 100

74 16.8 21.9 32.9#

Instrument :

MSVOA_X

ClientSampled :



#20

Methylene Chloride

Concen: 6.958 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023745.D

Acq: 16 Aug 2021 17:58

Tgt Ion: 84 Resp: 11620

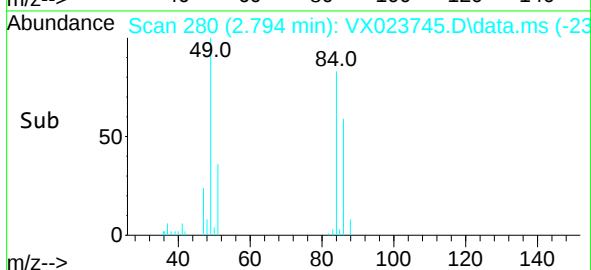
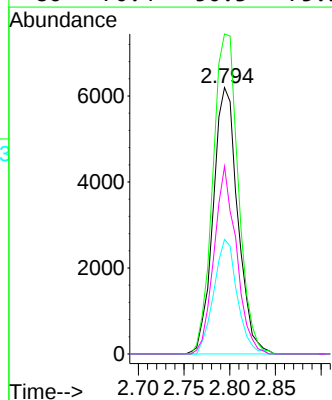
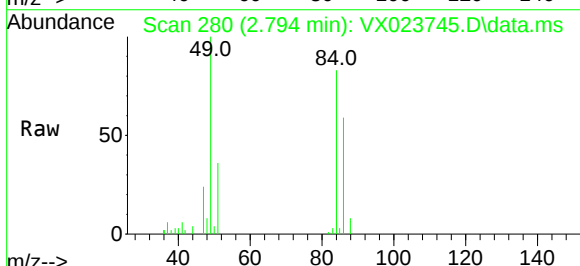
Ion Ratio Lower Upper

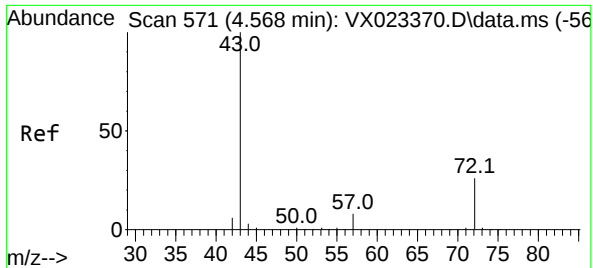
84 100

49 120.1 88.6 132.8

51 43.0 27.0 40.6#

86 70.4 50.3 75.5

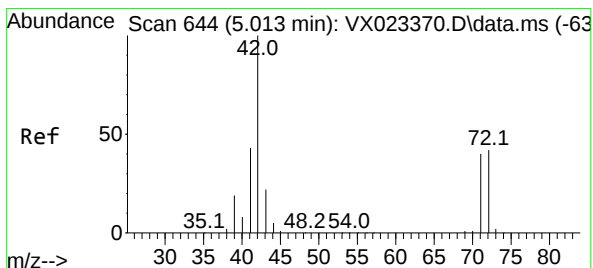
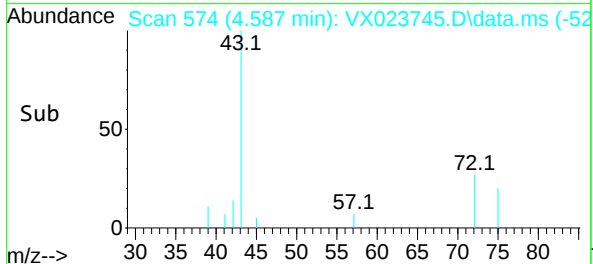
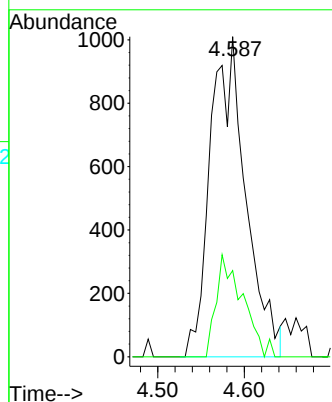
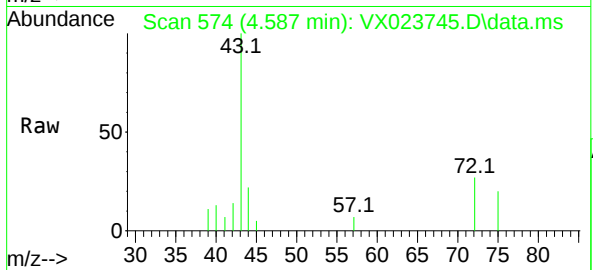




#25
2-Butanone
Concen: 2.158 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

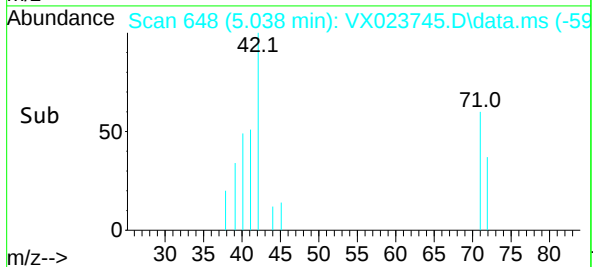
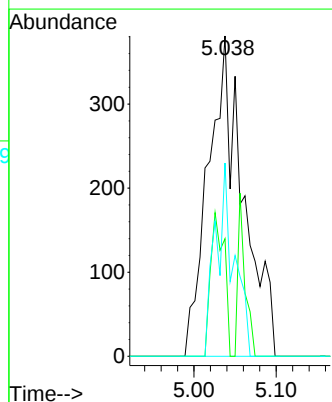
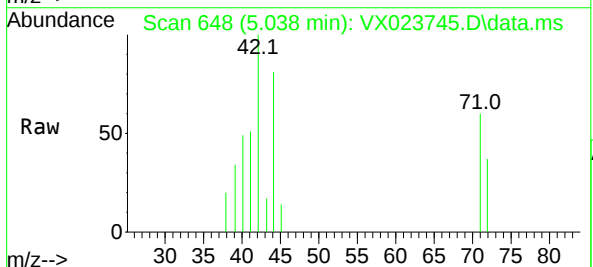
Instrument :
MSVOA_X
ClientSampled :

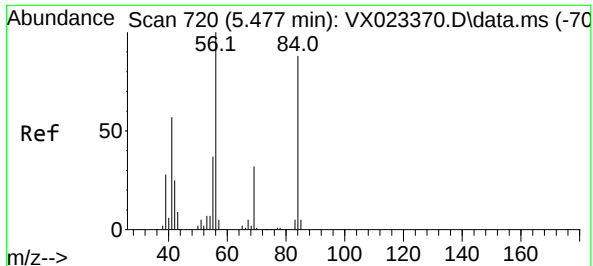
Tgt Ion: 43 Resp: 2877
Ion Ratio Lower Upper
43 100
72 26.9 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.288 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

Tgt Ion: 42 Resp: 1125
Ion Ratio Lower Upper
42 100
72 17.4 41.7 62.5#
71 31.6 38.4 57.6#

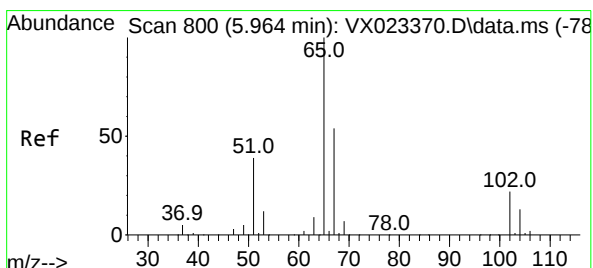
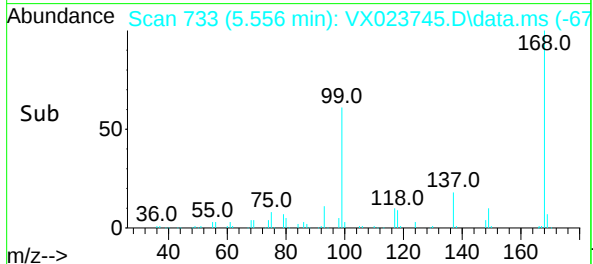
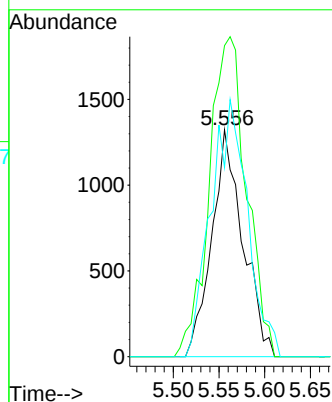
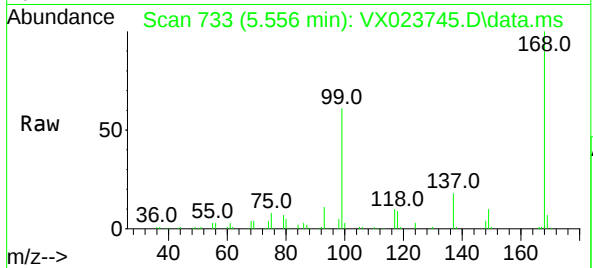




#31
Cyclohexane
Concen: 1.210 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

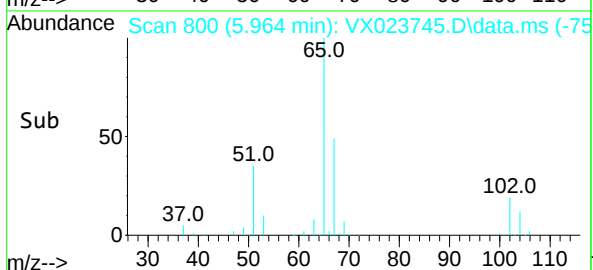
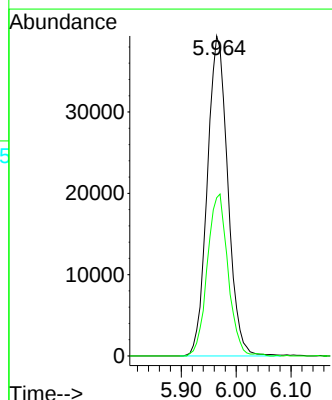
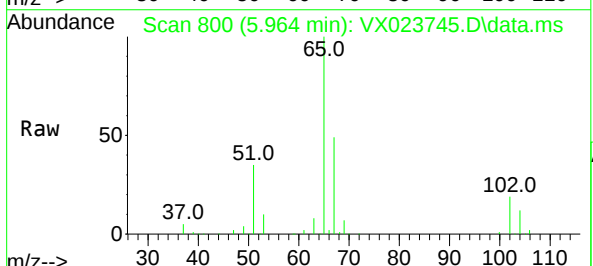
Instrument :
MSVOA_X
ClientSampleId :

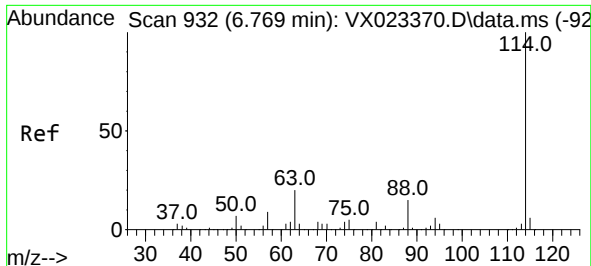
Tgt Ion: 56 Resp: 3136
Ion Ratio Lower Upper
56 100
69 137.1 25.3 37.9#
84 83.4 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 58.384 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

Tgt Ion: 65 Resp: 102185
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

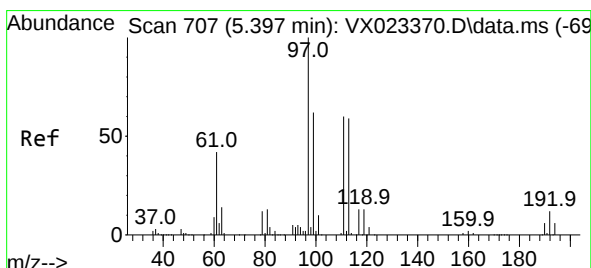
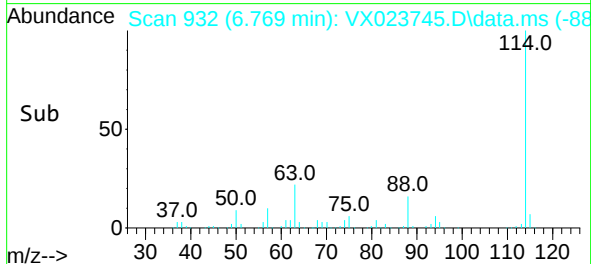
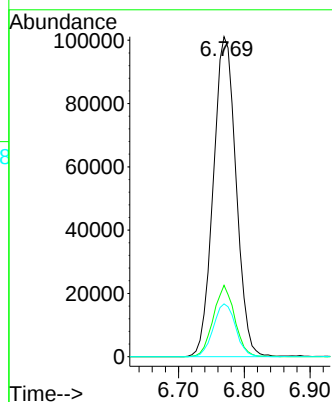
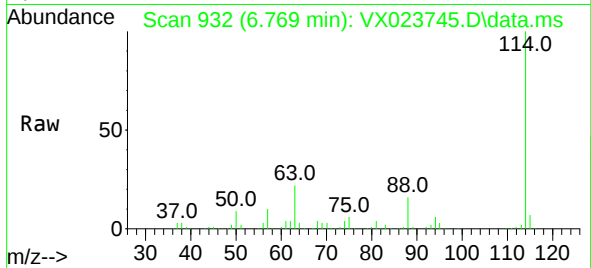




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

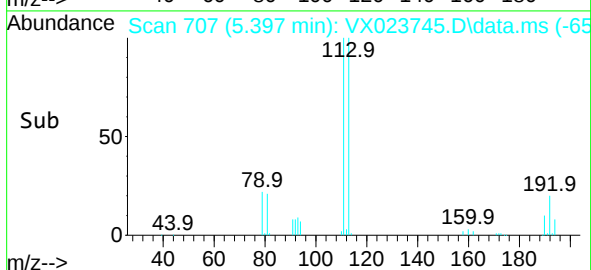
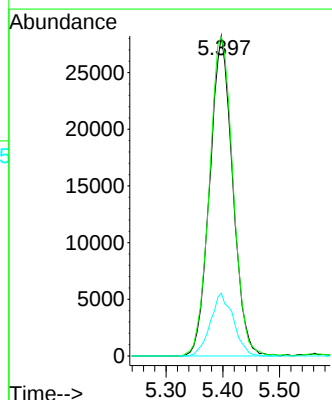
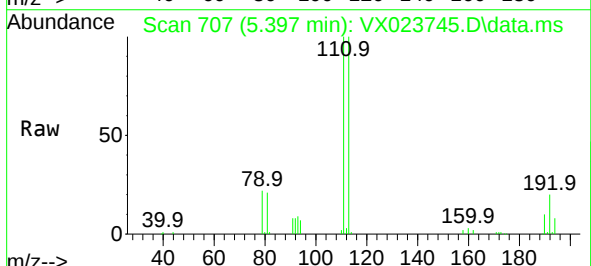
Instrument :
MSVOA_X
ClientSampleId :

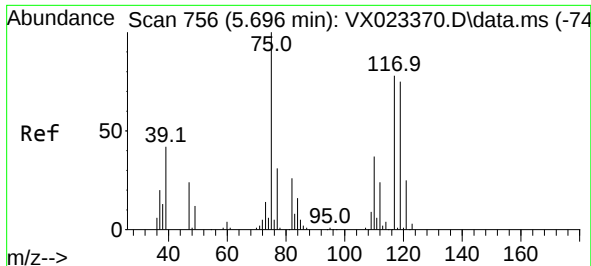
Tgt Ion:114 Resp: 243573
Ion Ratio Lower Upper
114 100
63 22.3 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.994 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

Tgt Ion:113 Resp: 79183
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 19.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.970 ug/l

RT: 5.562 min Scan# 734

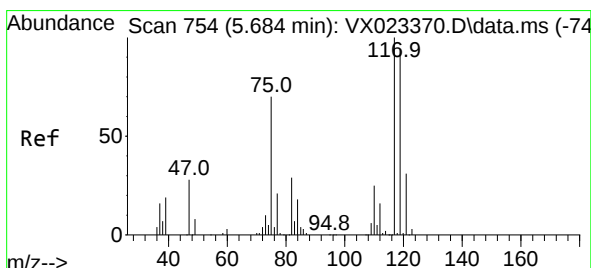
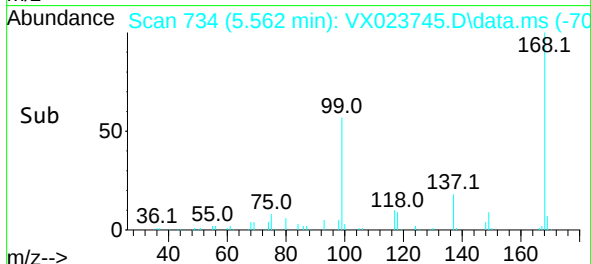
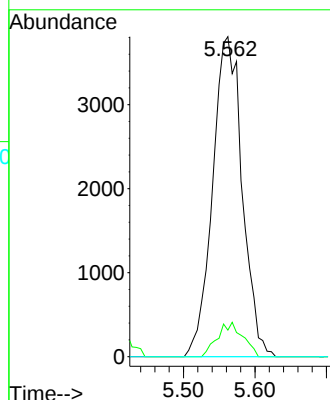
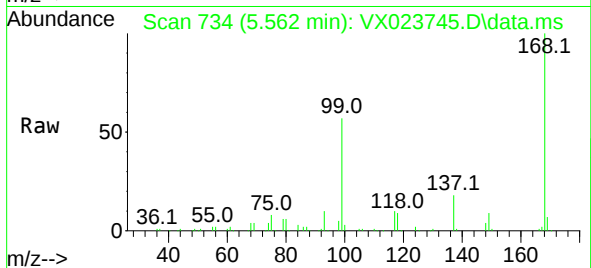
Delta R.T. -0.134 min

Lab File: VX023745.D

Acq: 16 Aug 2021 17:58

Tgt Ion:	75	Resp:	10950
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.288 ug/l

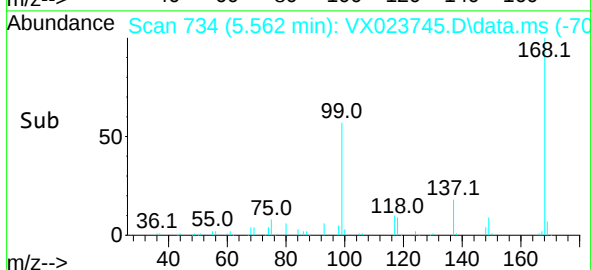
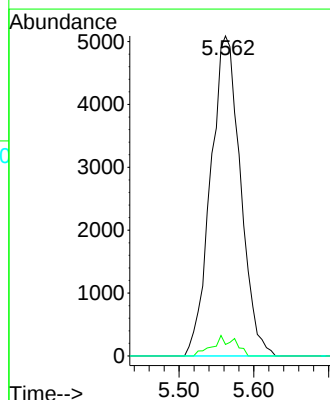
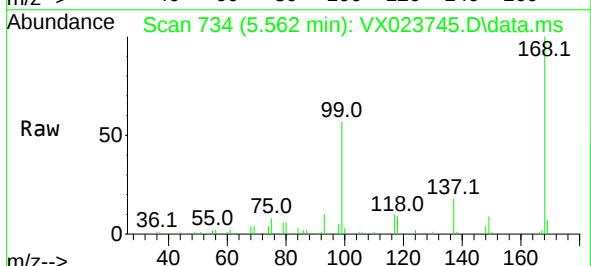
RT: 5.562 min Scan# 734

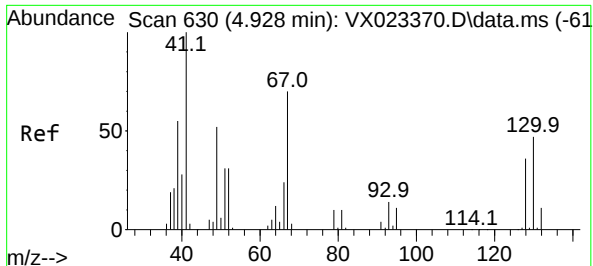
Delta R.T. -0.122 min

Lab File: VX023745.D

Acq: 16 Aug 2021 17:58

Tgt Ion:	117	Resp:	14089
Ion	Ratio	Lower	Upper
117	100		
119	3.6	76.2	114.2#
121	0.0	24.8	37.2#

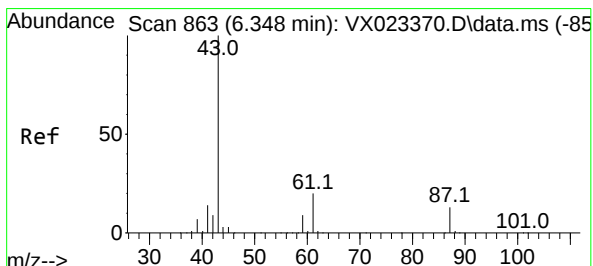
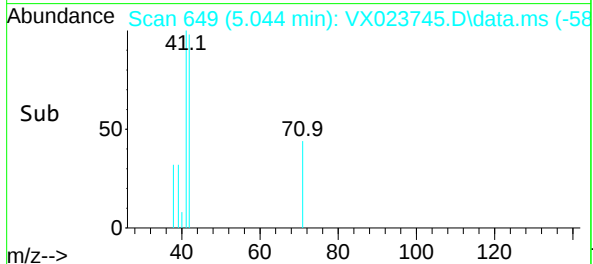
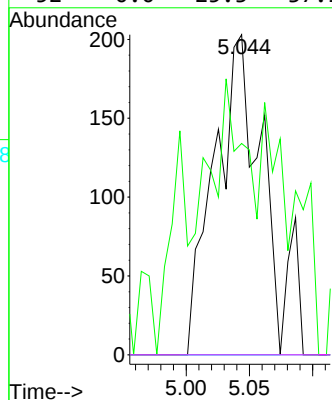
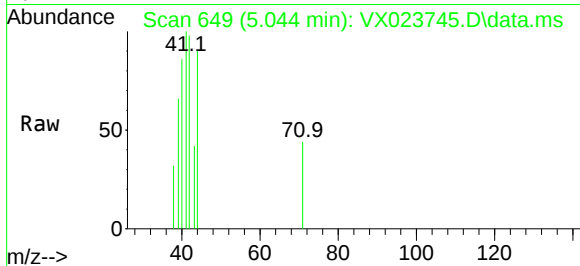




#41
Methacrylonitrile
Concen: 0.344 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

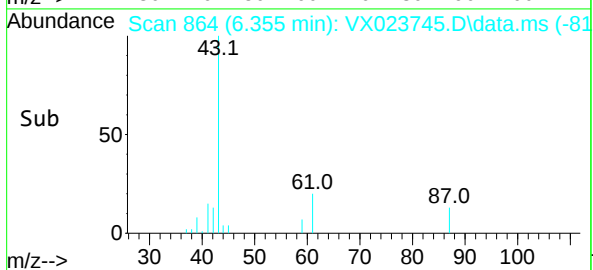
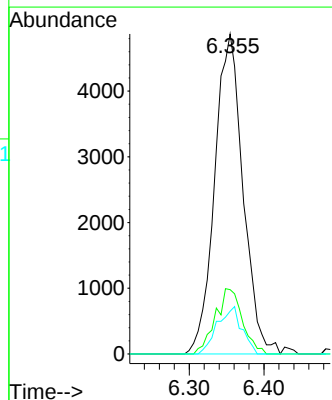
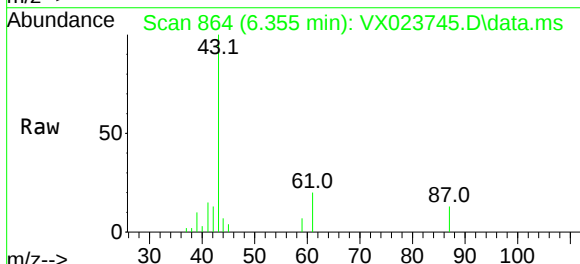
Instrument :
MSVOA_X
ClientSampleId :

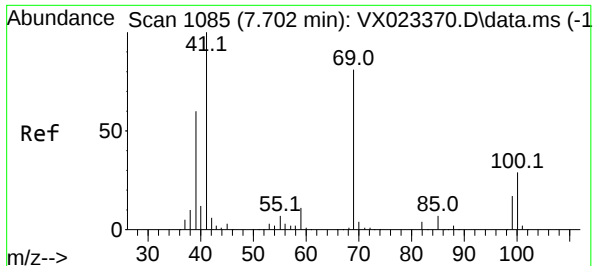
Tgt Ion:	41	Resp:	504
Ion	Ratio	Lower	Upper
41	100		
39	38.3	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 2.979 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

Tgt Ion:	43	Resp:	12824
Ion	Ratio	Lower	Upper
43	100		
61	19.4	18.2	27.4
87	12.7	12.5	18.7





#48

Methyl methacrylate

Concen: 9.874 ug/l

RT: 7.806 min Scan# 1102

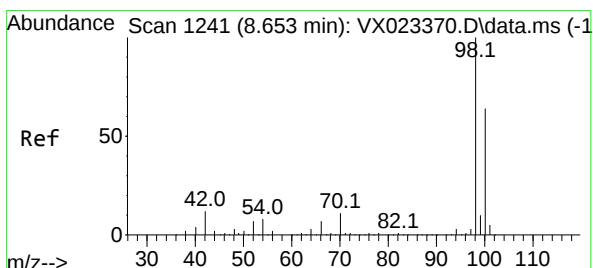
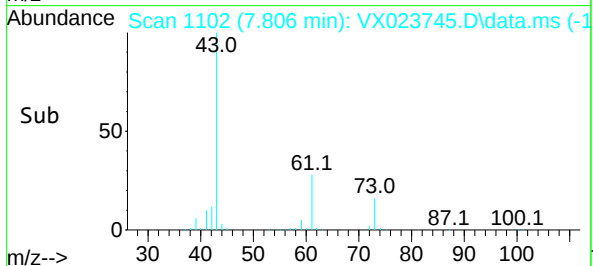
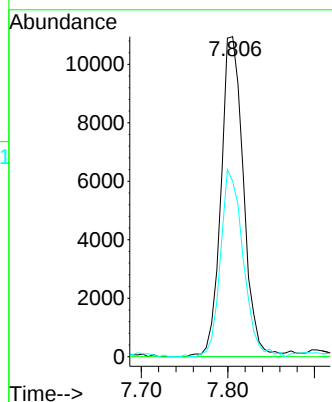
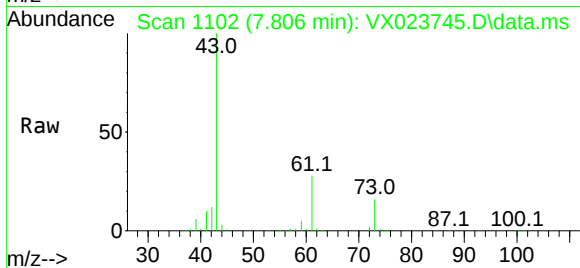
Delta R.T. 0.104 min

Lab File: VX023745.D

Acq: 16 Aug 2021 17:58

Tgt Ion:	41	Resp:	19686
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	59.0	44.6	67.0

Instrument :
MSVOA_X
ClientSampled :



#50

Toluene-d8

Concen: 54.411 ug/l

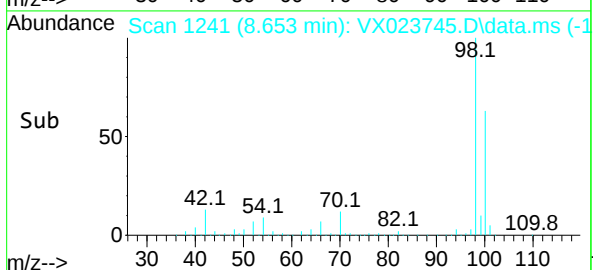
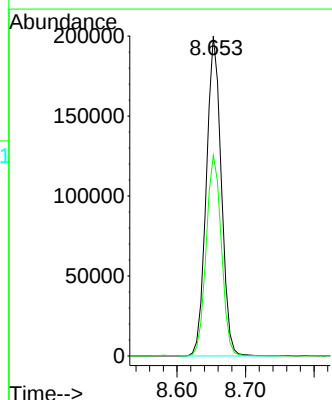
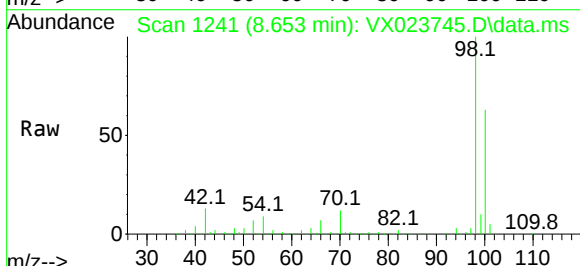
RT: 8.653 min Scan# 1241

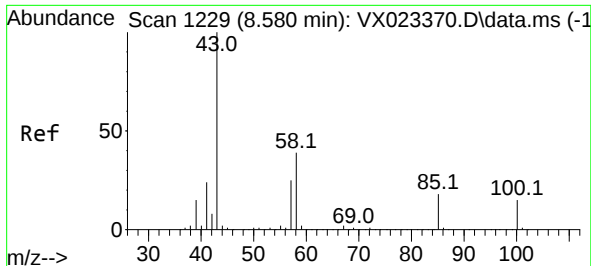
Delta R.T. -0.000 min

Lab File: VX023745.D

Acq: 16 Aug 2021 17:58

Tgt Ion:	98	Resp:	304444
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.9	77.9

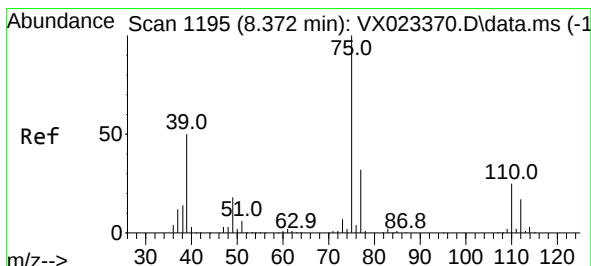
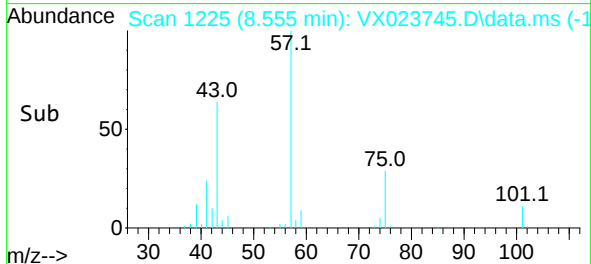
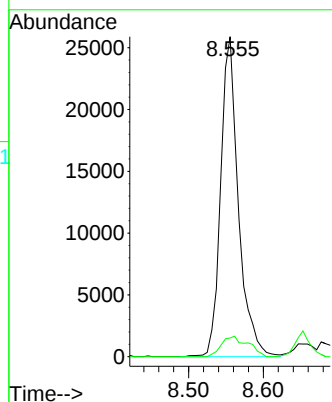
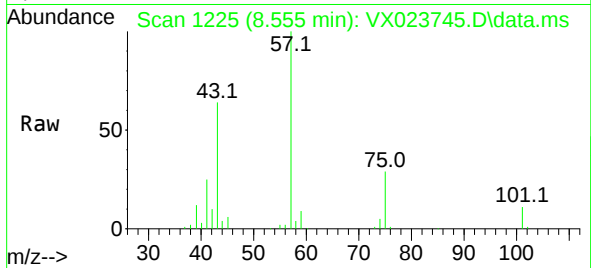




#51
4-Methyl-2-Pentanone
Concen: 16.239 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

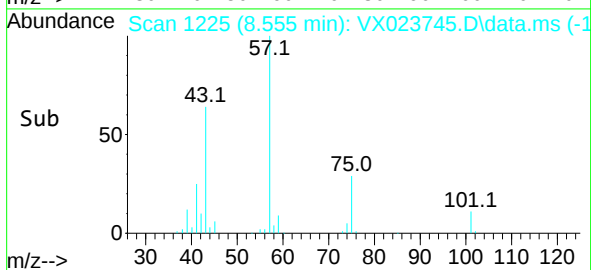
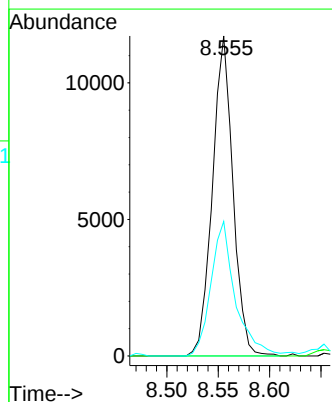
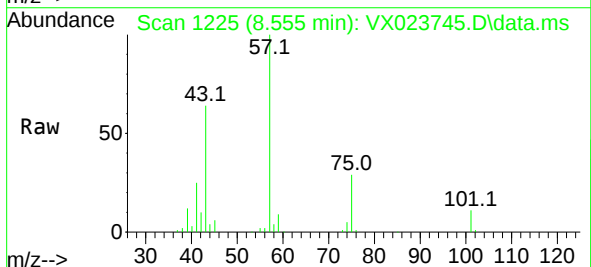
Instrument :
MSVOA_X
ClientSampled :

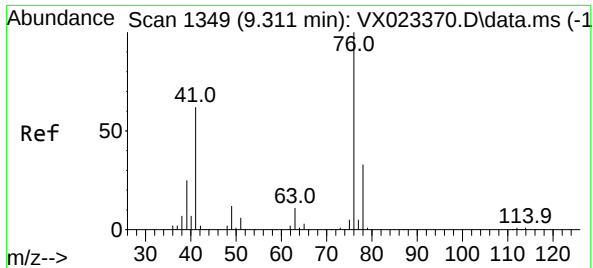
Tgt Ion: 43 Resp: 42759
Ion Ratio Lower Upper
43 100
58 9.6 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 6.191 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

Tgt Ion: 75 Resp: 16305
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 42.0 35.1 52.7

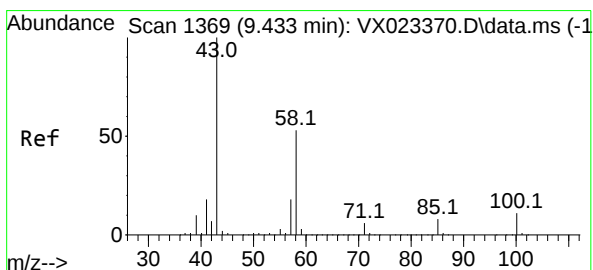
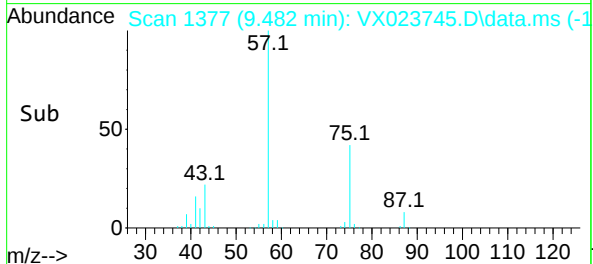
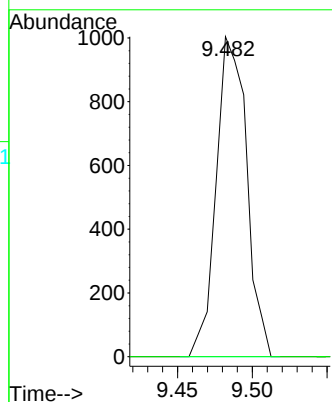
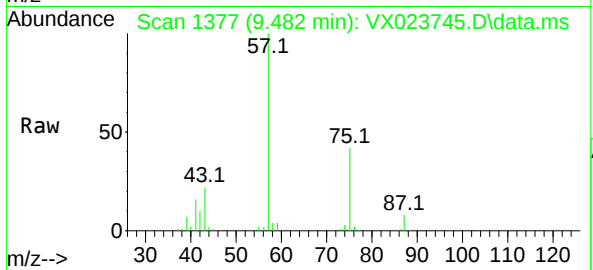




#57
1,3-Dichloropropane
Concen: 0.511 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

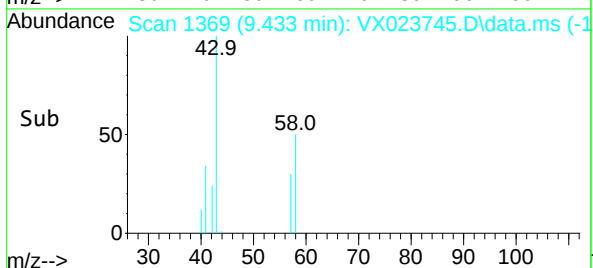
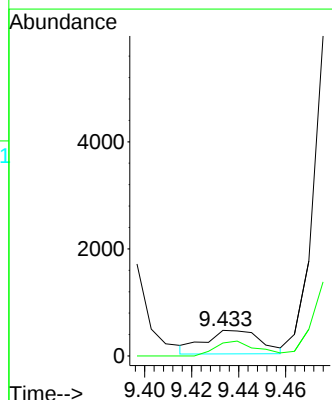
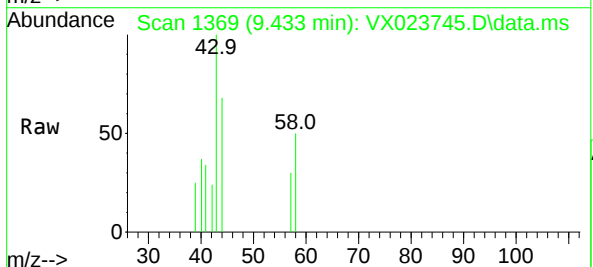
Instrument :
MSVOA_X
ClientSampled :

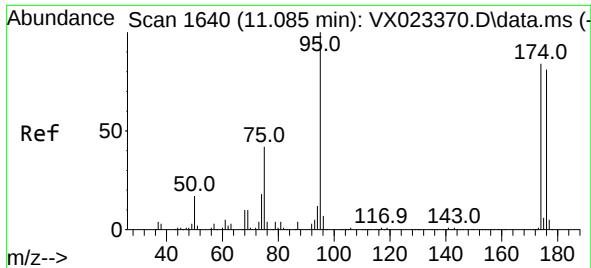
Tgt Ion: 76 Resp: 1422
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 0.362 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

Tgt Ion: 43 Resp: 724
Ion Ratio Lower Upper
43 100
58 47.4 30.9 92.8

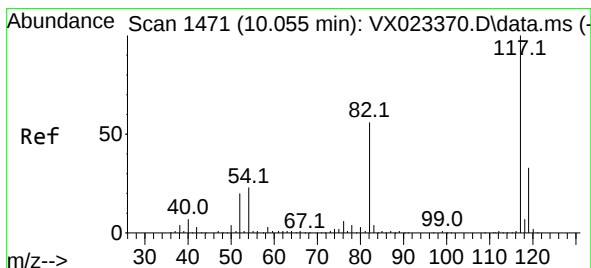
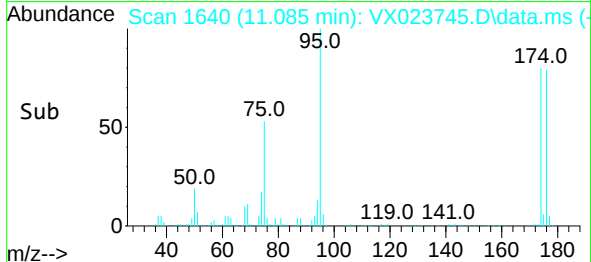
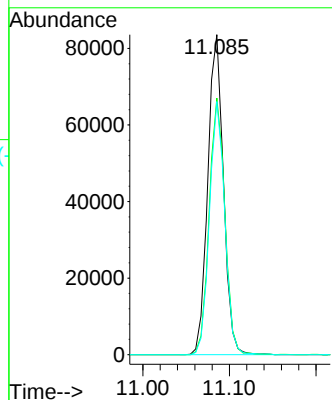
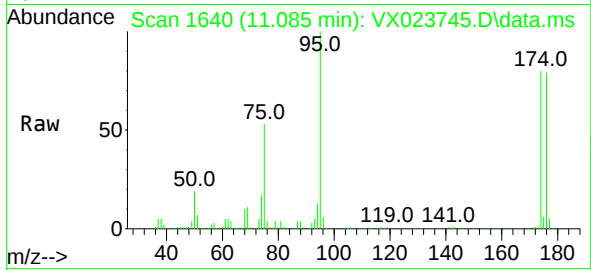




#62
4-Bromofluorobenzene
Concen: 55.125 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

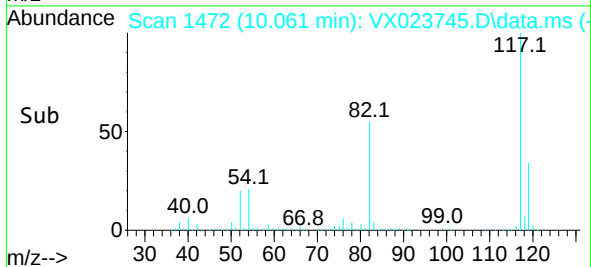
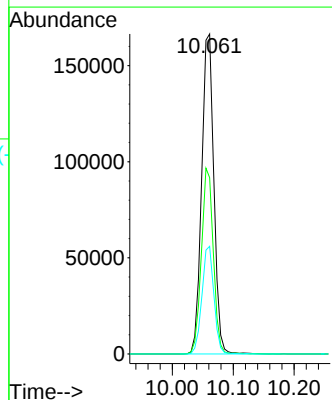
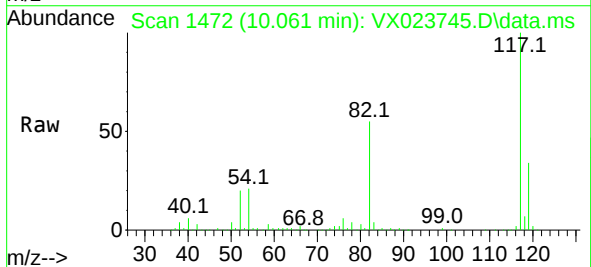
Instrument :
MSVOA_X
ClientSampleId :

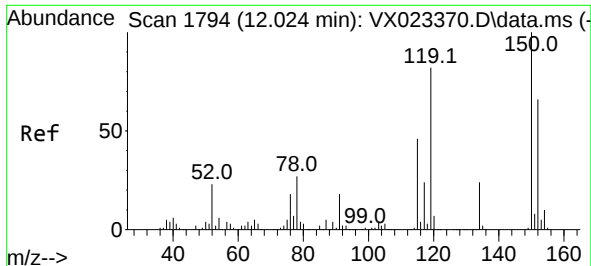
Tgt Ion: 95 Resp: 104882
Ion Ratio Lower Upper
95 100
174 80.4 0.0 154.6
176 77.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

Tgt Ion: 117 Resp: 232454
Ion Ratio Lower Upper
117 100
82 55.1 47.4 71.2
119 33.7 26.6 39.8

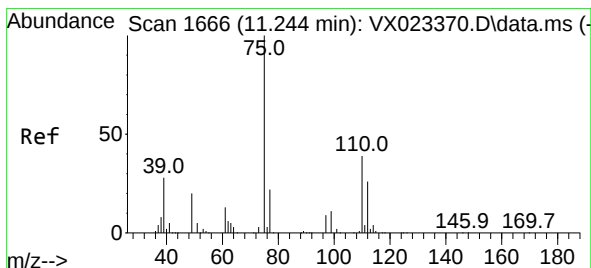
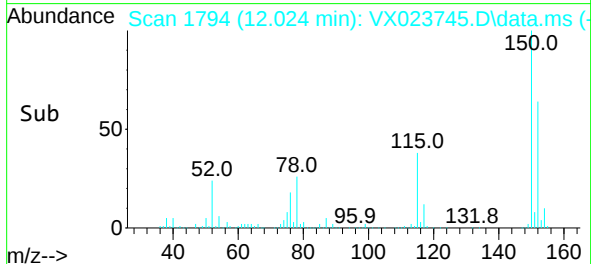
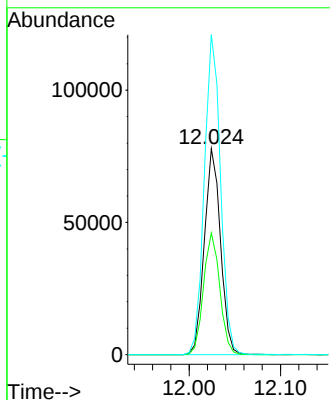
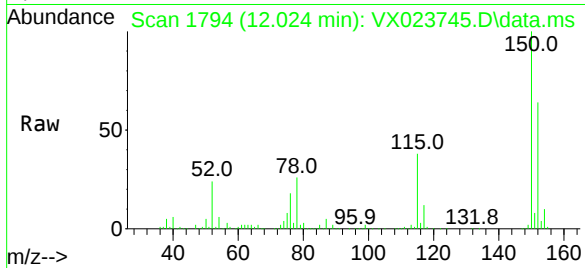




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023745.D
 Acq: 16 Aug 2021 17:58

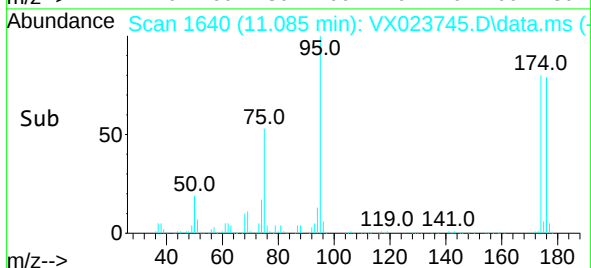
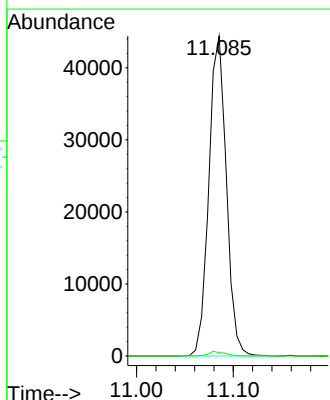
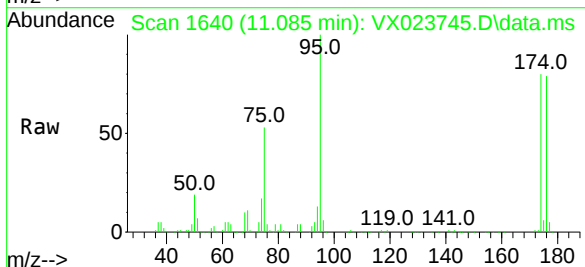
Instrument :
 MSVOA_X
 ClientSampled :

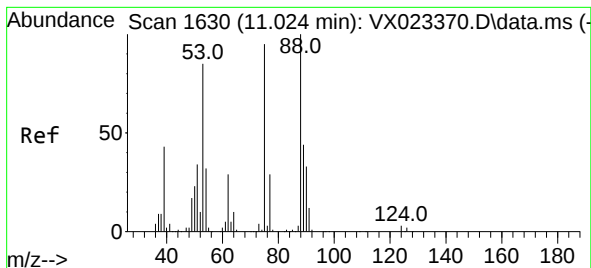
Tgt Ion:152 Resp: 95431
 Ion Ratio Lower Upper
 152 100
 115 59.3 41.1 123.3
 150 155.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.629 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023745.D
 Acq: 16 Aug 2021 17:58

Tgt Ion: 75 Resp: 55922
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

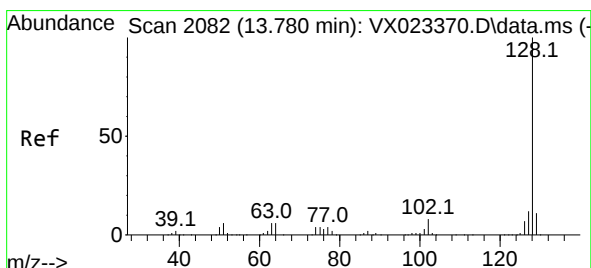
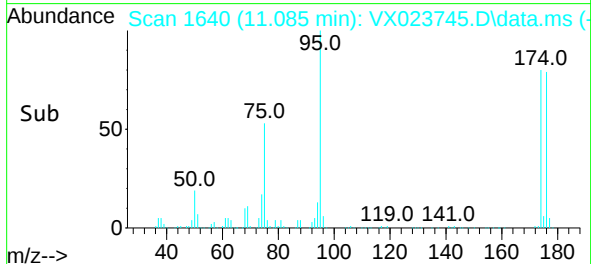
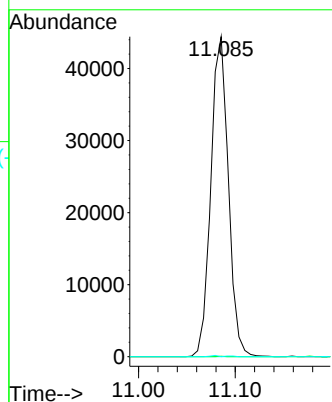
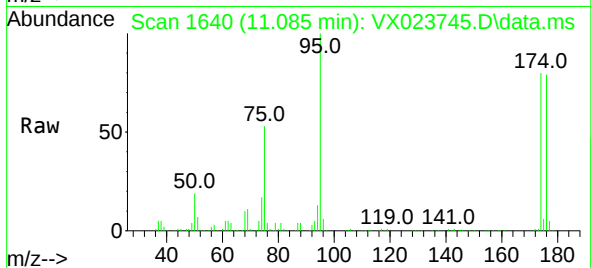




#81
trans-1,4-Dichloro-2-butene
Concen: 71.603 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 55922
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.3 37.9 56.9#



#95
Naphthalene
Concen: 0.200 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023745.D
Acq: 16 Aug 2021 17:58

Tgt Ion: 128 Resp: 1347
Ion Ratio Lower Upper
128 100
127 7.9 10.3 15.5#
129 3.6 8.8 13.2#

