

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060421\
 Data File : VX022413.D
 Acq On : 04 Jun 2021 15:35
 Operator : JC/MD
 Sample : M2563-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

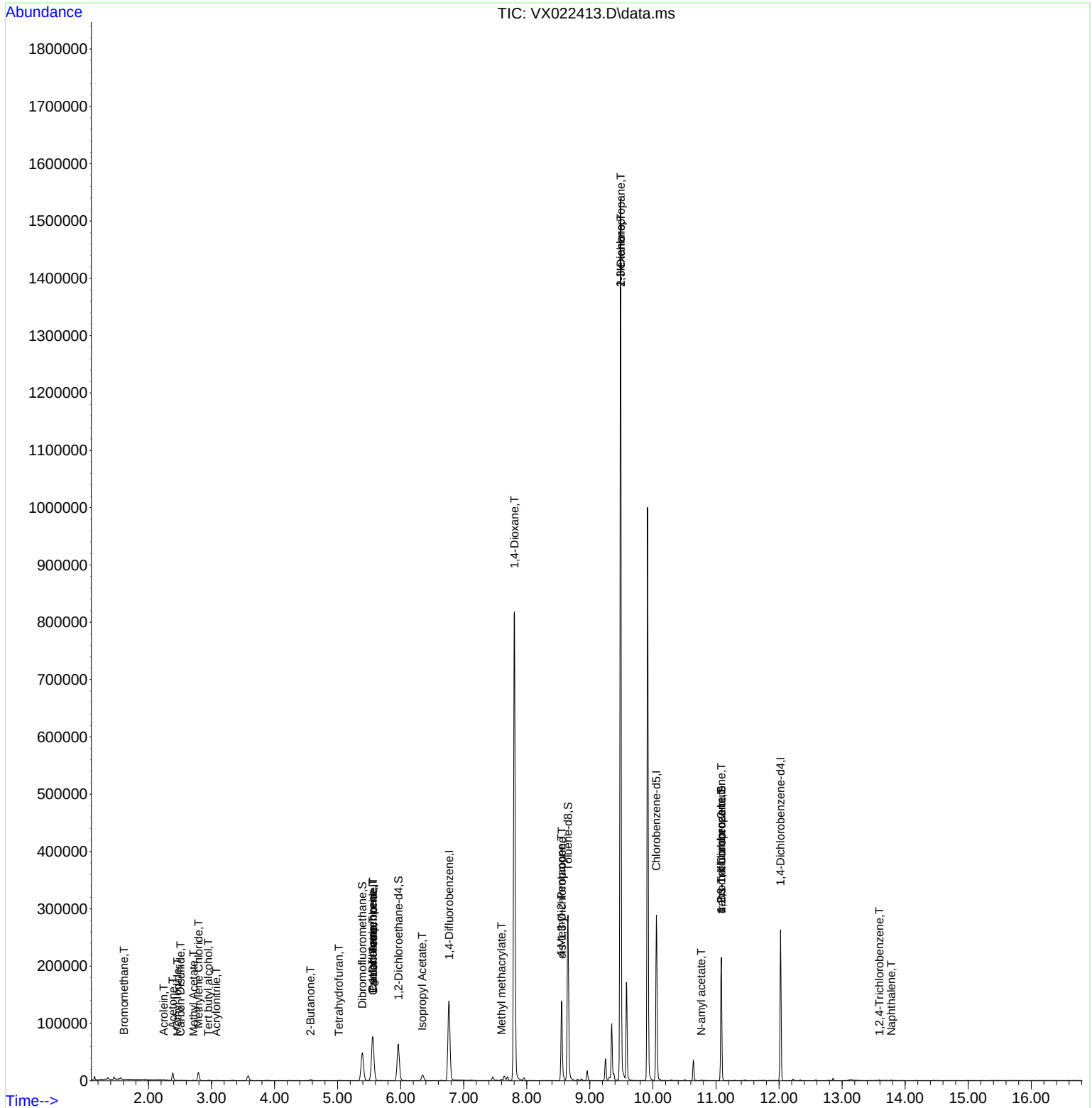
Quant Time: Jun 04 15:56:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

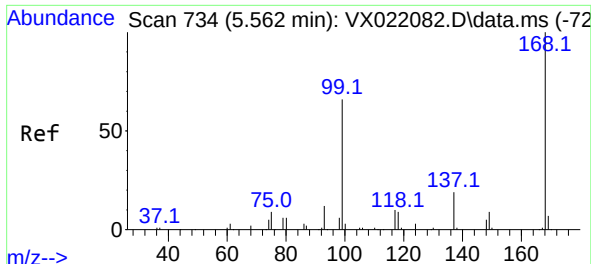
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	65787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	138200	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	57007	56.175	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.360%
35) Dibromofluoromethane	5.391	113	41659	47.534	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.060%
50) Toluene-d8	8.653	98	169788	50.293	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.580%
62) 4-Bromofluorobenzene	11.085	95	57580	46.144	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.280%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	146	0.274	ug/l	87
10) Methyl Iodide	2.459	142	446	0.532	ug/l #	90
11) Tert butyl alcohol	2.946	59	651	2.805	ug/l #	73
13) Acrolein	2.239	56	284	1.845	ug/l #	82
15) Acrylonitrile	3.074	53	115	0.252	ug/l #	51
16) Acetone	2.386	43	13786	31.199	ug/l	94
17) Carbon Disulfide	2.507	76	956	0.484	ug/l #	75
18) Methyl Acetate	2.715	43	1140	0.970	ug/l #	65
20) Methylene Chloride	2.794	84	6145	6.263	ug/l #	85
25) 2-Butanone	4.568	43	2717	3.801	ug/l	91
29) Tetrahydrofuran	5.019	42	275	0.646	ug/l #	66
31) Cyclohexane	5.556	56	1974	1.548	ug/l #	2
36) 1,1-Dichloropropene	5.556	75	6359	4.976	ug/l #	45
38) Carbon Tetrachloride	5.562	117	7161	5.728	ug/l #	18
43) Isopropyl Acetate	6.342	43	13949	5.444	ug/l	94
48) Methyl methacrylate	7.598	41	3976	3.367	ug/l #	10
49) 1,4-Dioxane	7.805	88	86	3.741	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	49561	32.290	ug/l #	46
54) cis-1,3-Dichloropropene	8.555	75	22504	13.317	ug/l #	61
57) 1,3-Dichloropropane	9.488	76	13140	7.614	ug/l #	42
59) 2-Hexanone	9.488	43	179067	155.118	ug/l #	44
74) N-amyl acetate	10.768	43	783	0.428	ug/l #	42
76) 1,2,3-Trichloropropane	11.085	75	30491	27.124	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	30491	64.266	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	252	0.276	ug/l #	79
95) Naphthalene	13.780	128	892	0.250	ug/l #	90

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

Quant Time: Jun 04 15:56:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration

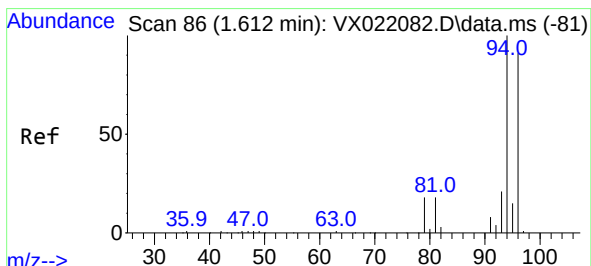
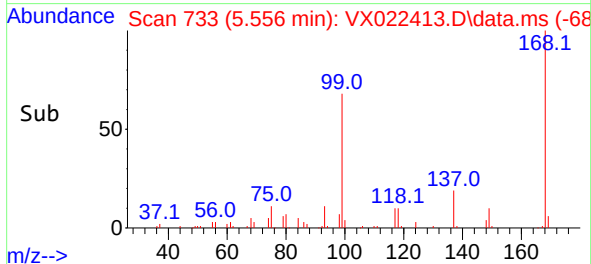
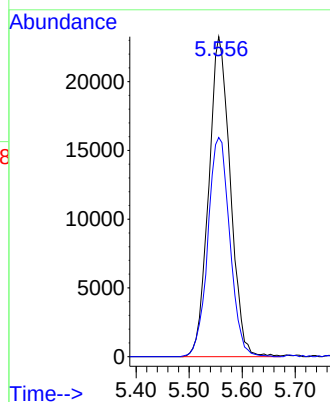
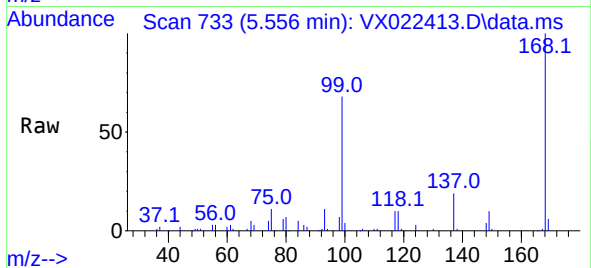




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

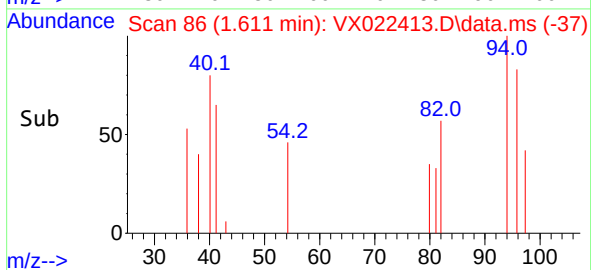
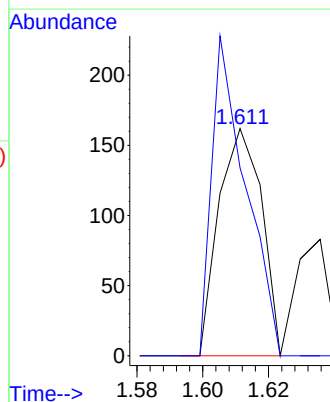
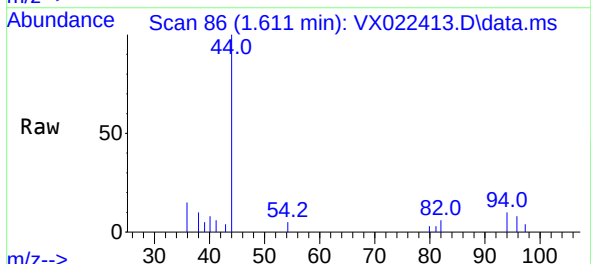
Instrument :
MSVOA_X
ClientSampled :

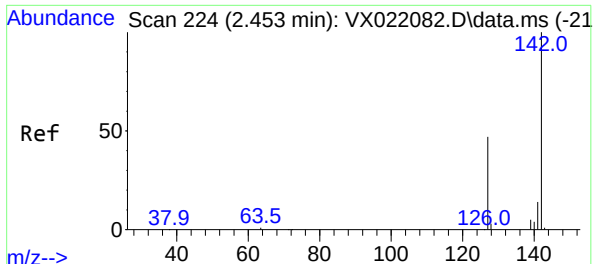
Tgt Ion:168 Resp: 65787
Ion Ratio Lower Upper
168 100
99 68.5 45.8 68.6



#5
Bromomethane
Concen: 0.274 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.001 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

Tgt Ion: 94 Resp: 146
Ion Ratio Lower Upper
94 100
96 82.7 76.4 114.6

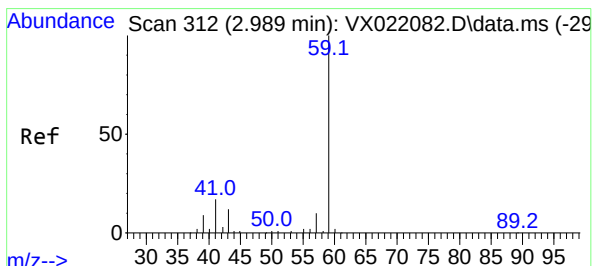
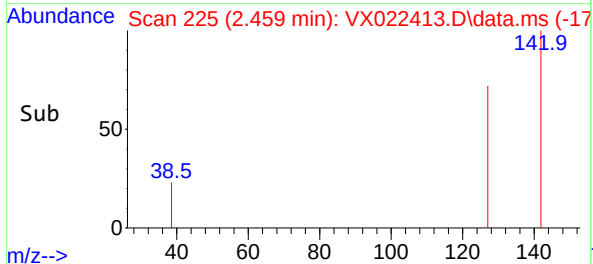
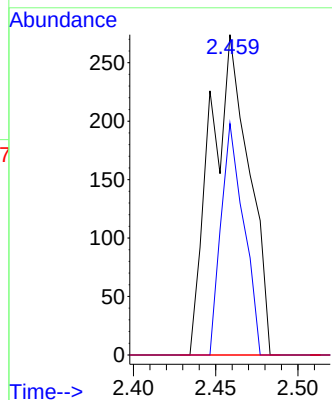
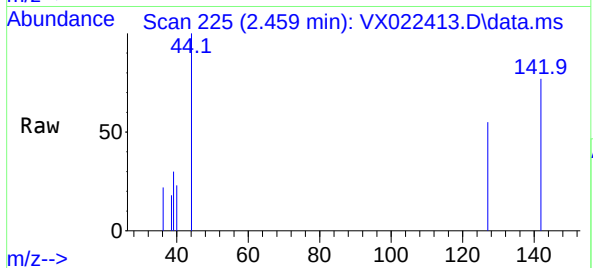




#10
Methyl Iodide
Concen: 0.532 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

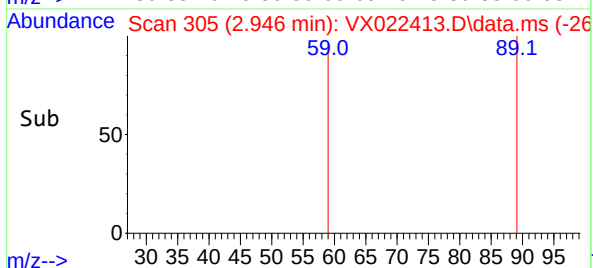
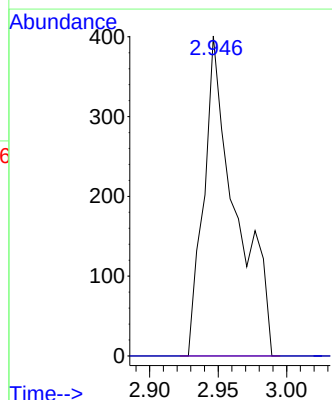
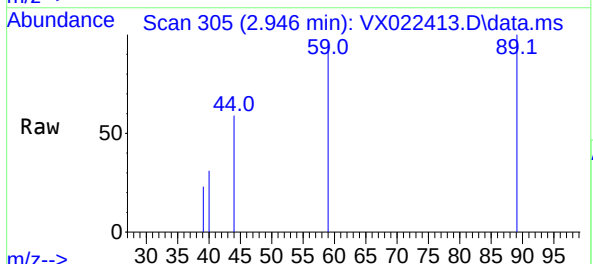
Instrument :
MSVOA_X
ClientSampleId :

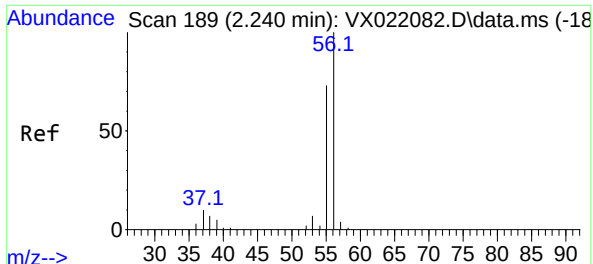
Tgt Ion:142 Resp: 446
Ion Ratio Lower Upper
142 100
127 42.6 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.805 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

Tgt Ion: 59 Resp: 651
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

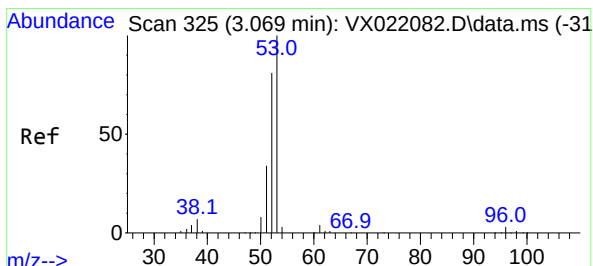
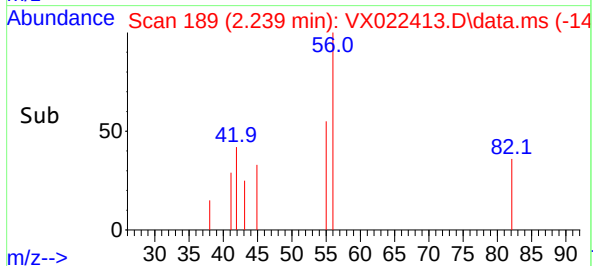
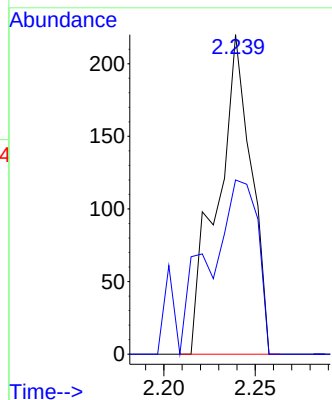
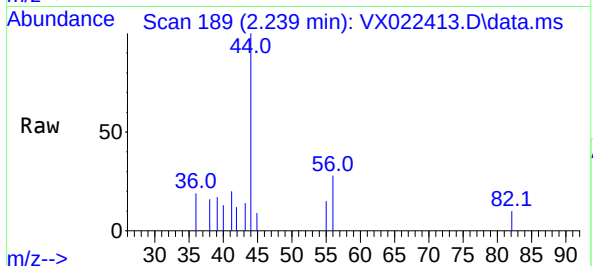




#13
Acrolein
Concen: 1.845 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.001 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

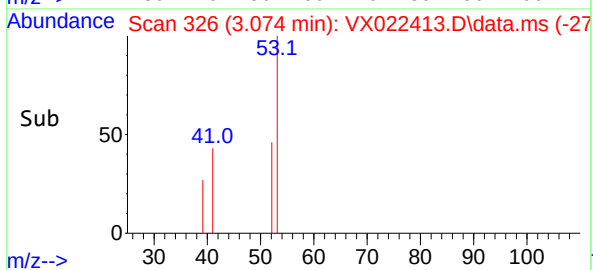
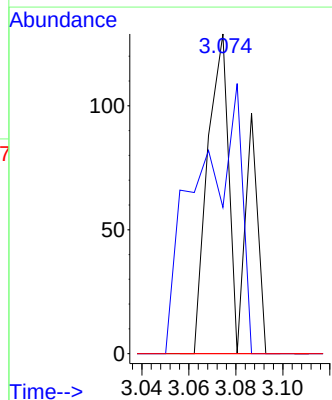
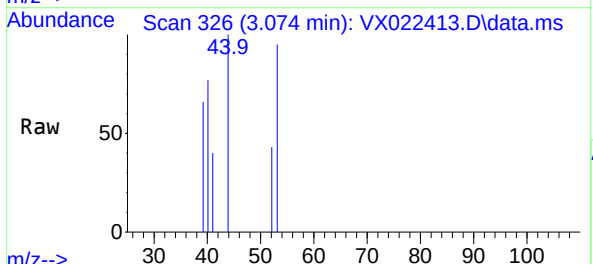
Instrument :
MSVOA_X
ClientSampleId :

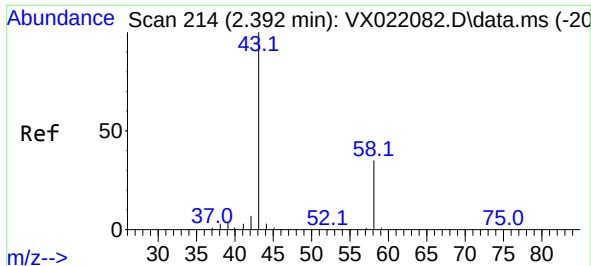
Tgt Ion: 56 Resp: 284
Ion Ratio Lower Upper
56 100
55 85.2 56.4 84.6#



#15
Acrylonitrile
Concen: 0.252 ug/l
RT: 3.074 min Scan# 326
Delta R.T. 0.005 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

Tgt Ion: 53 Resp: 115
Ion Ratio Lower Upper
53 100
52 120.9 65.3 97.9#
51 0.0 28.2 42.2#

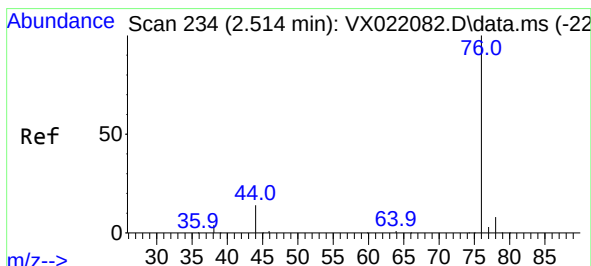
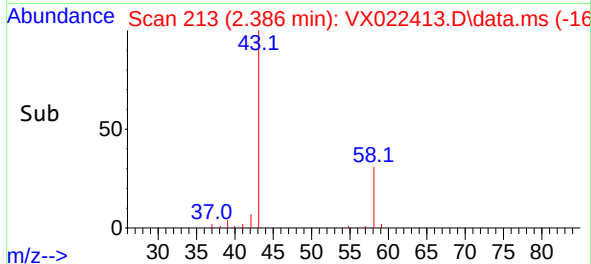
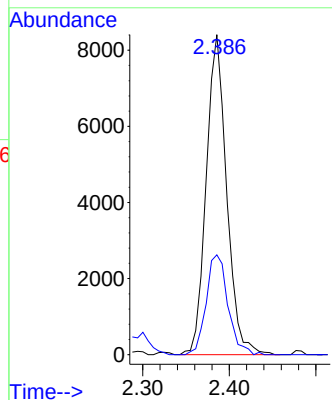
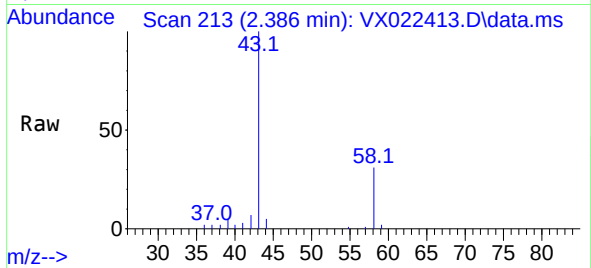




#16
Acetone
Concen: 31.199 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

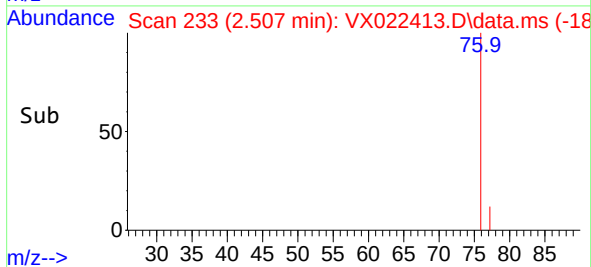
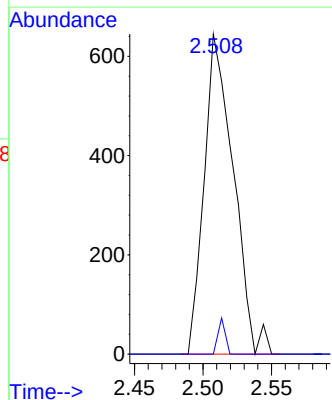
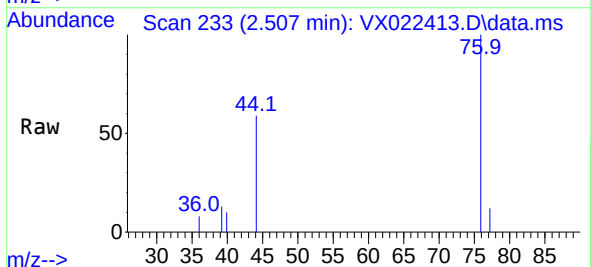
Instrument :
MSVOA_X
ClientSampleId :

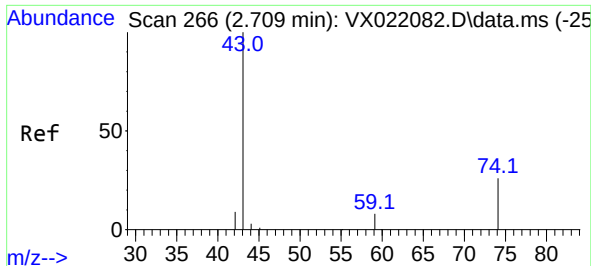
Tgt Ion: 43 Resp: 13786
Ion Ratio Lower Upper
43 100
58 31.2 27.8 41.8



#17
Carbon Disulfide
Concen: 0.484 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

Tgt Ion: 76 Resp: 956
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

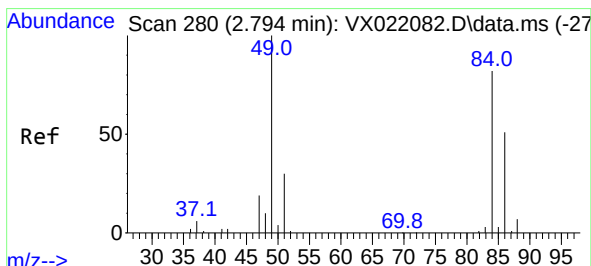
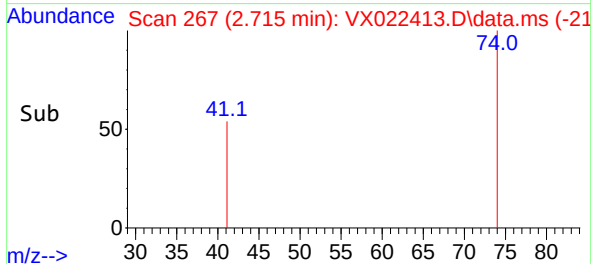
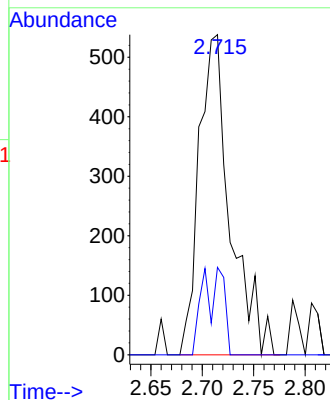
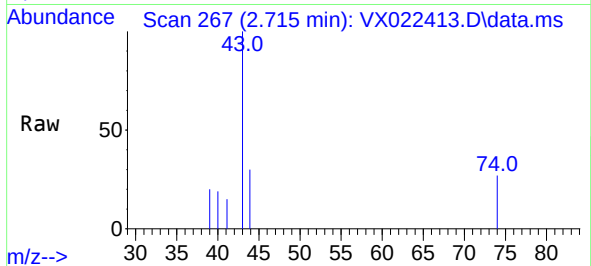




#18
Methyl Acetate
Concen: 0.970 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

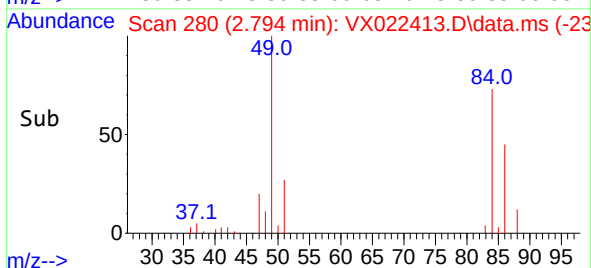
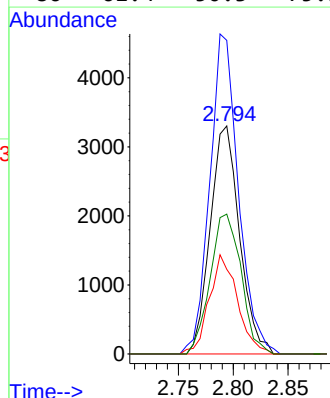
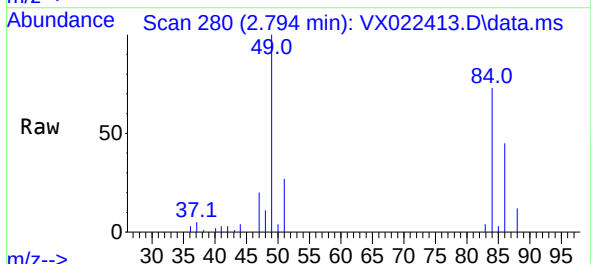
Instrument :
MSVOA_X
ClientSampled :

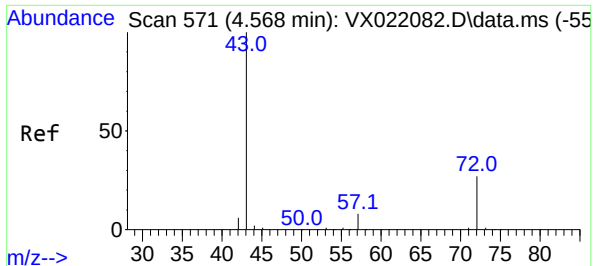
Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
74 9.1 21.9 32.9#



#20
Methylene Chloride
Concen: 6.263 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

Tgt Ion: 84 Resp: 6145
Ion Ratio Lower Upper
84 100
49 137.5 88.6 132.8#
51 37.1 27.0 40.6
86 61.4 50.3 75.5





#25

2-Butanone

Concen: 3.801 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.000 min

Lab File: VX022413.D

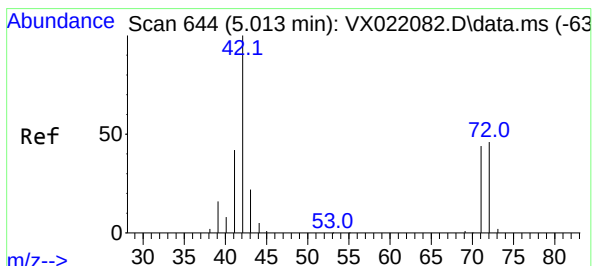
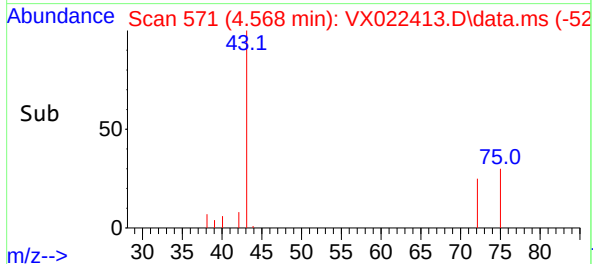
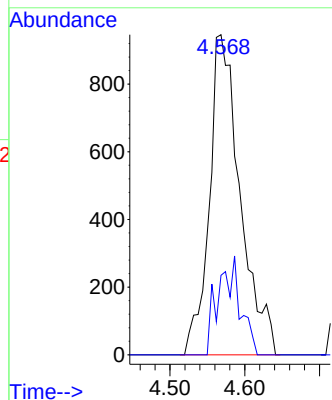
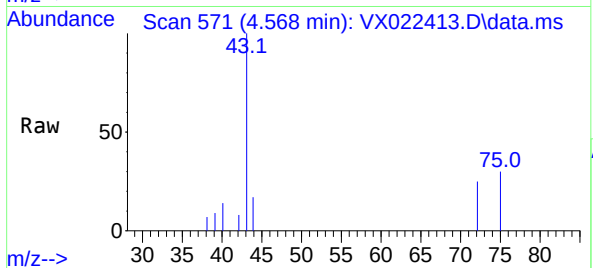
Acq: 04 Jun 2021 15:35

Tgt Ion: 43 Resp: 2717

Ion Ratio Lower Upper

43 100

72 24.8 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.646 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.006 min

Lab File: VX022413.D

Acq: 04 Jun 2021 15:35

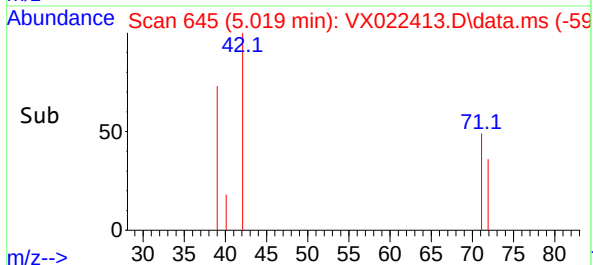
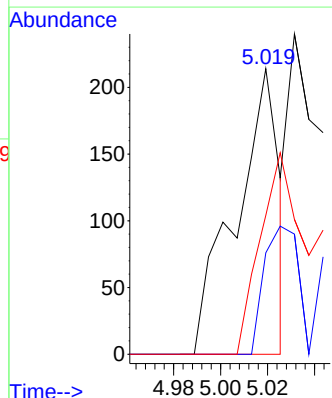
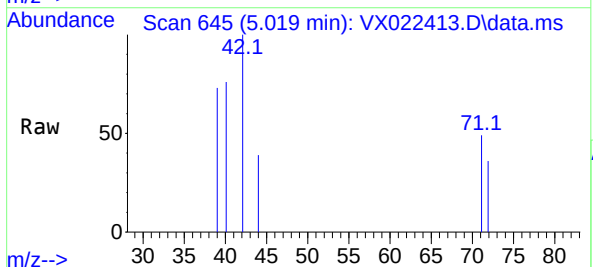
Tgt Ion: 42 Resp: 275

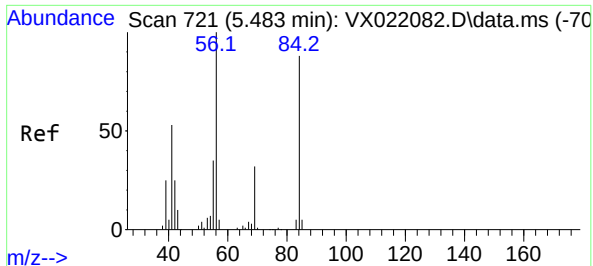
Ion Ratio Lower Upper

42 100

72 44.7 41.7 62.5

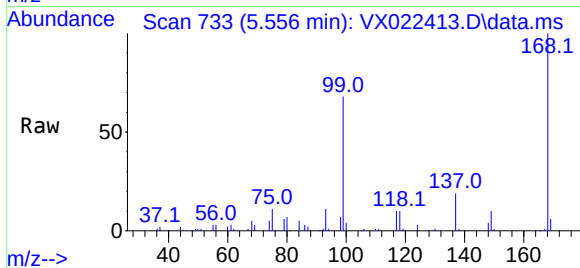
71 88.0 38.4 57.6#



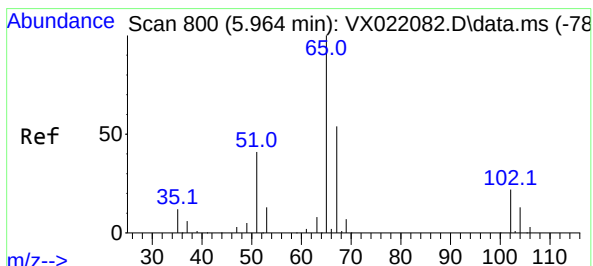
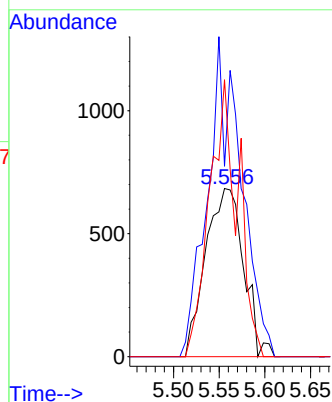
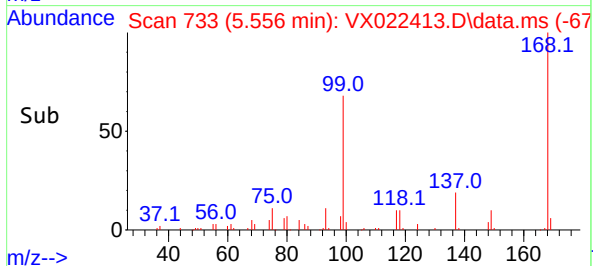


#31
Cyclohexane
Concen: 1.548 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

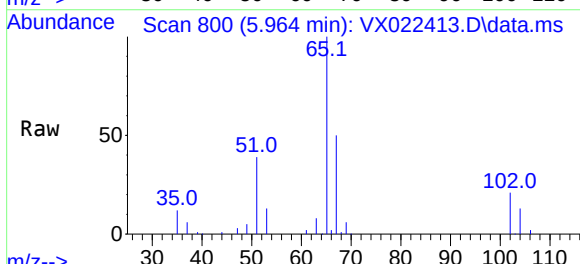
Instrument :
MSVOA_X
ClientSampled :



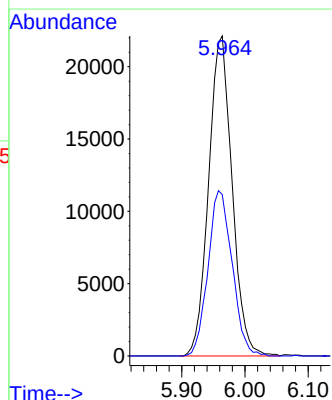
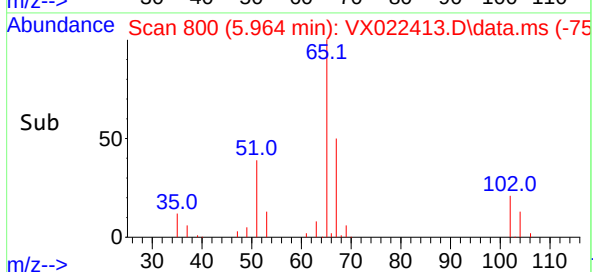
Tgt Ion: 56 Resp: 1974
Ion Ratio Lower Upper
56 100
69 113.2 25.3 37.9#
84 164.6 71.4 107.0#

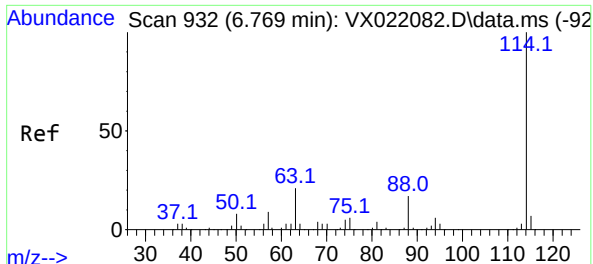


#33
1,2-Dichloroethane-d4
Concen: 56.175 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35



Tgt Ion: 65 Resp: 57007
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.4

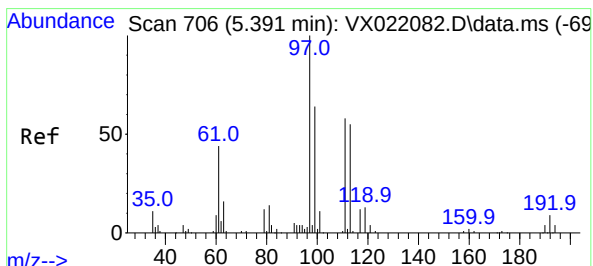
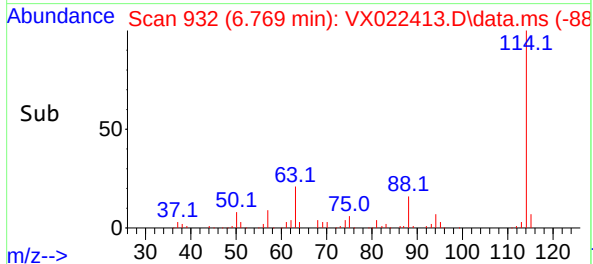
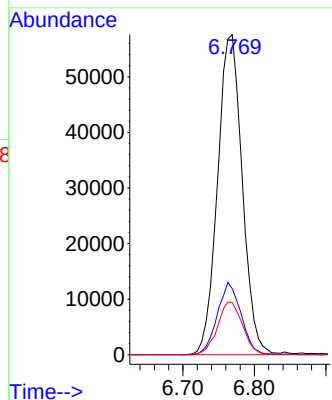
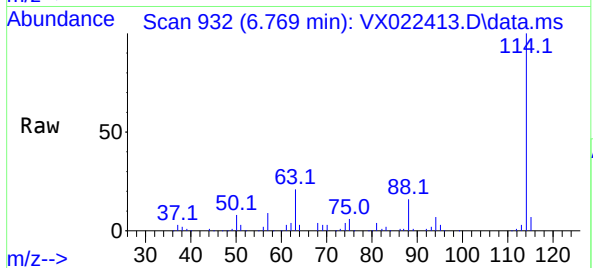




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

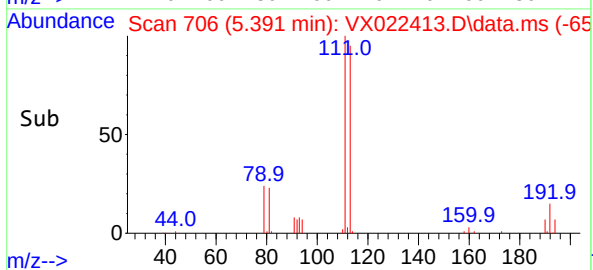
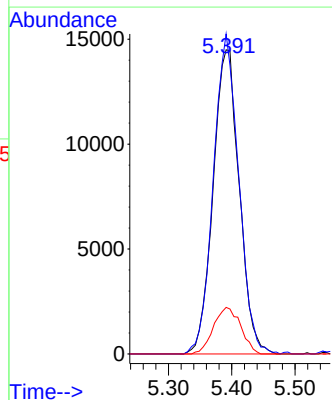
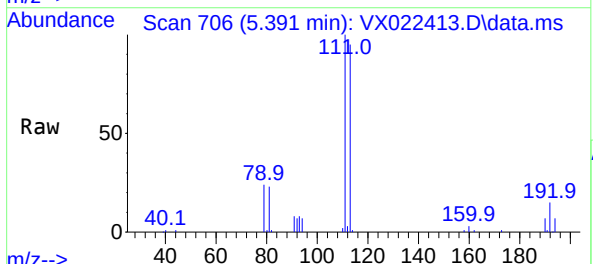
Instrument :
MSVOA_X
ClientSampleId :

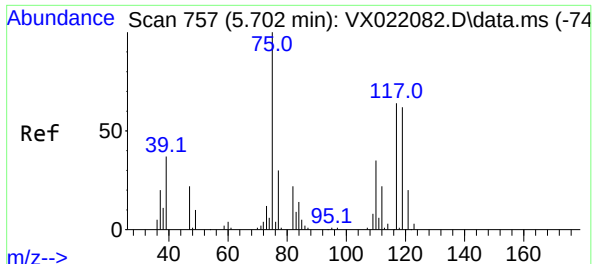
Tgt Ion:114 Resp: 138200
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.534 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

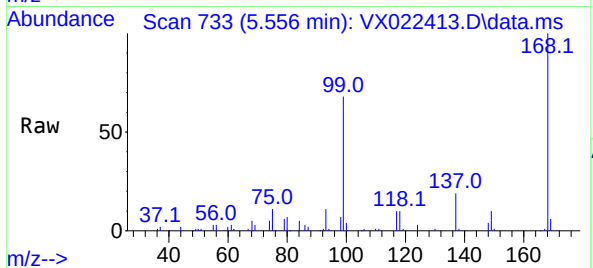
Tgt Ion:113 Resp: 41659
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 15.9 16.7 25.1#



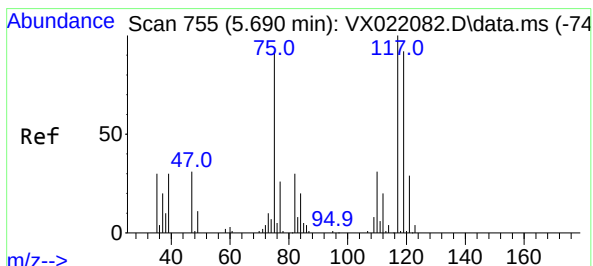
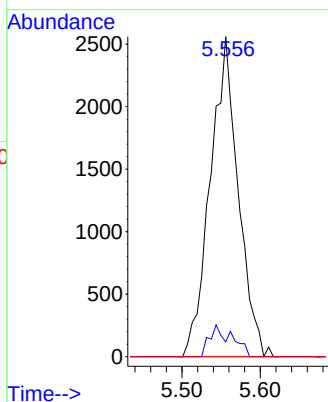
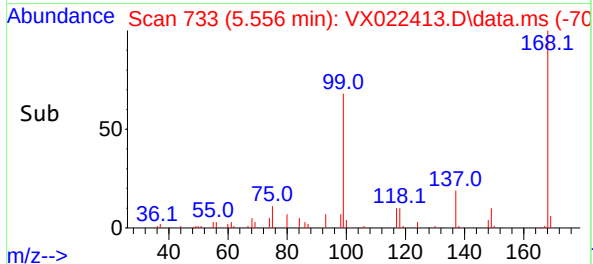


#36
1,1-Dichloropropene
Concen: 4.976 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

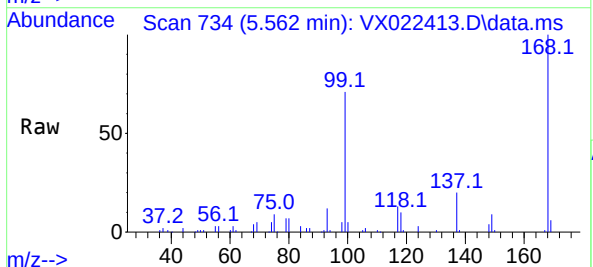
Instrument :
MSVOA_X
ClientSampled :



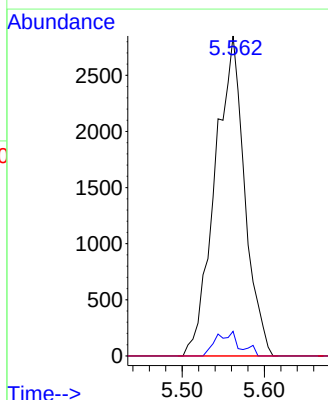
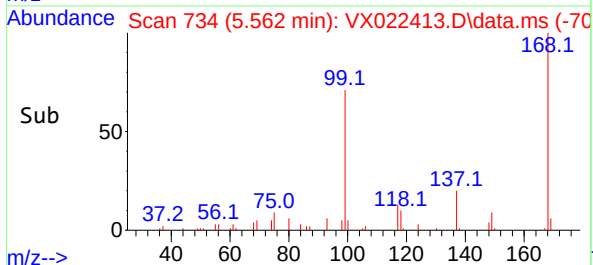
Tgt Ion: 75 Resp: 6359
Ion Ratio Lower Upper
75 100
110 4.8 18.1 54.4#
77 0.0 25.3 37.9#

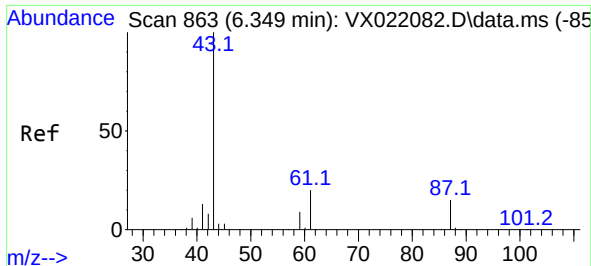


#38
Carbon Tetrachloride
Concen: 5.728 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35



Tgt Ion: 117 Resp: 7161
Ion Ratio Lower Upper
117 100
119 7.7 76.2 114.2#
121 0.0 24.8 37.2#

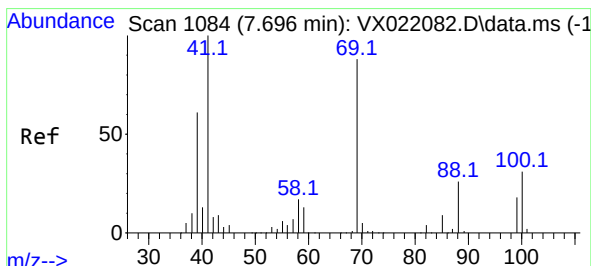
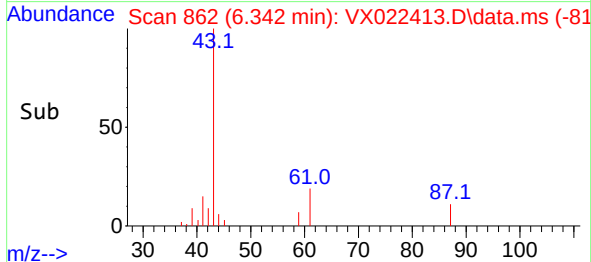
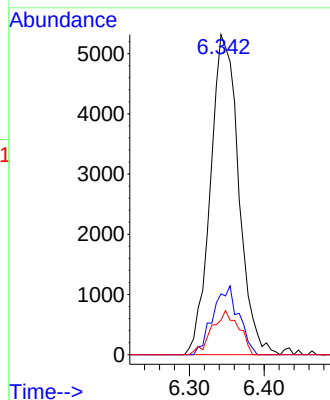
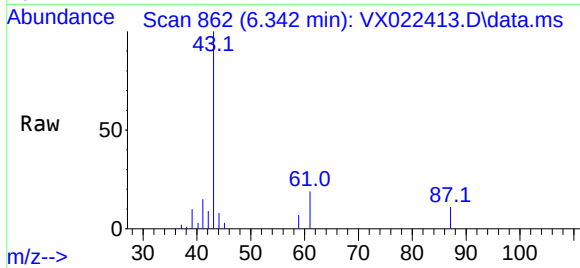




#43
Isopropyl Acetate
Concen: 5.444 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.007 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

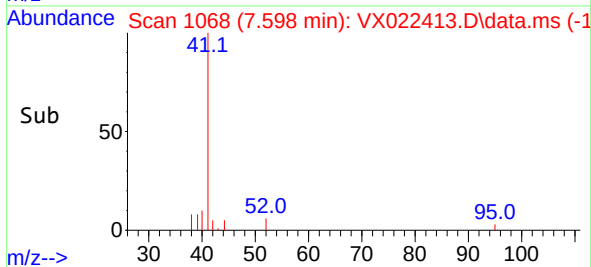
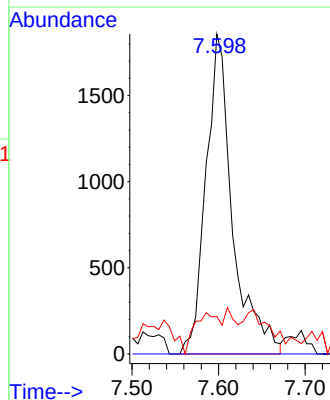
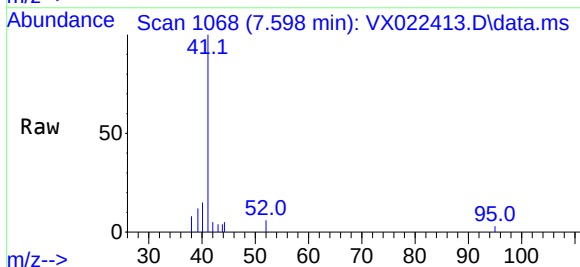
Instrument :
MSVOA_X
ClientSampled :

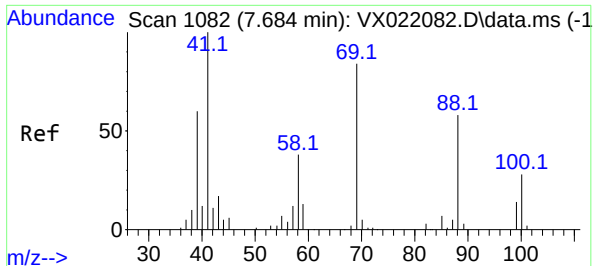
Tgt Ion:	43	Resp:	13949
Ion	Ratio	Lower	Upper
43	100		
61	19.7	18.2	27.4
87	13.0	12.5	18.7



#48
Methyl methacrylate
Concen: 3.367 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

Tgt Ion:	41	Resp:	3976
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: 3.741 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.121 min

Lab File: VX022413.D

Acq: 04 Jun 2021 15:35

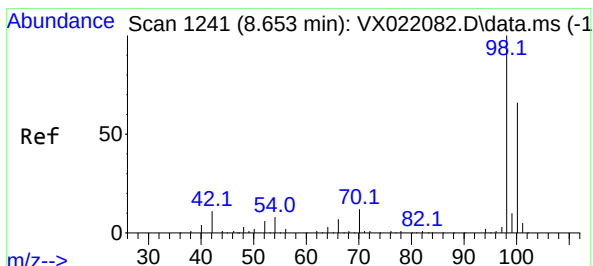
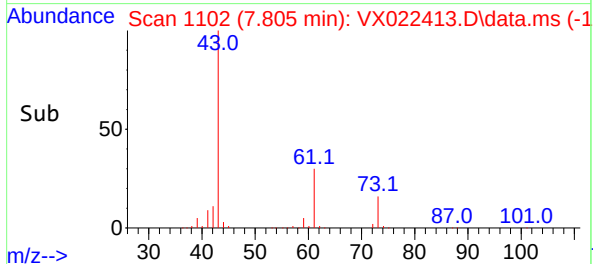
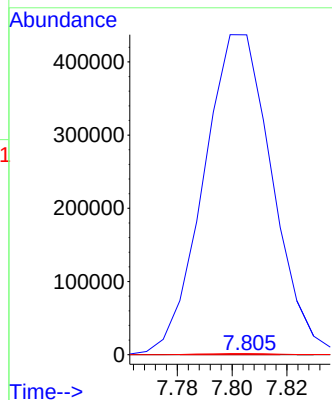
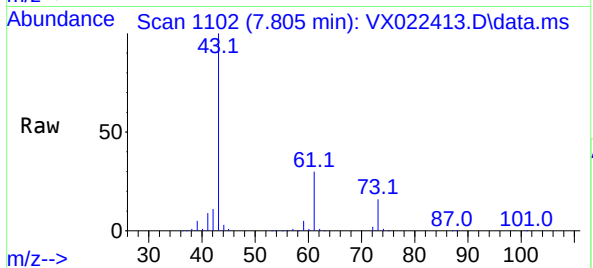
Tgt Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

43 900603.5 23.2 34.8#

58 3430.2 55.0 82.4#



#50

Toluene-d8

Concen: 50.293 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022413.D

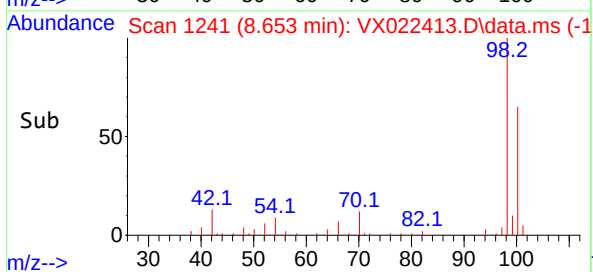
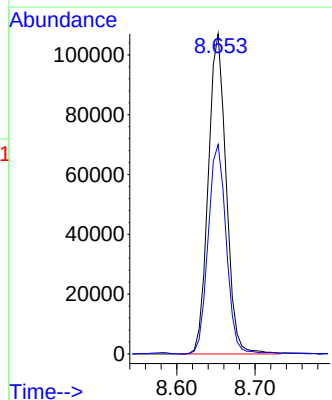
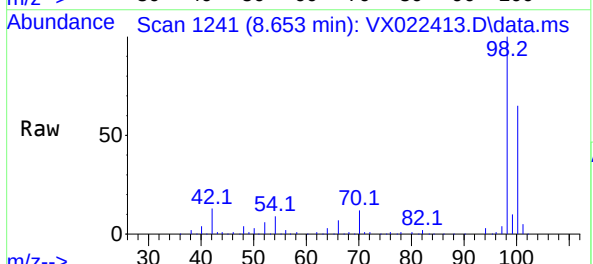
Acq: 04 Jun 2021 15:35

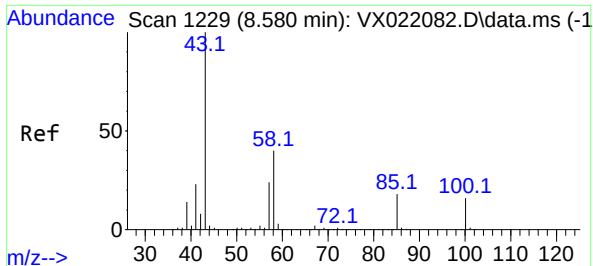
Tgt Ion: 98 Resp: 169788

Ion Ratio Lower Upper

98 100

100 66.6 51.9 77.9

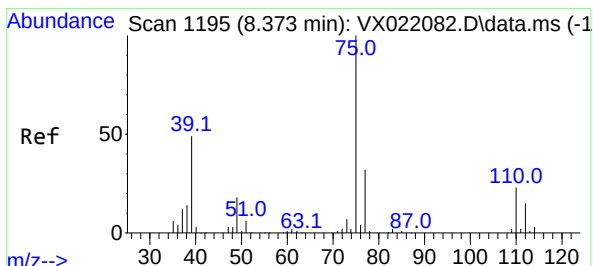
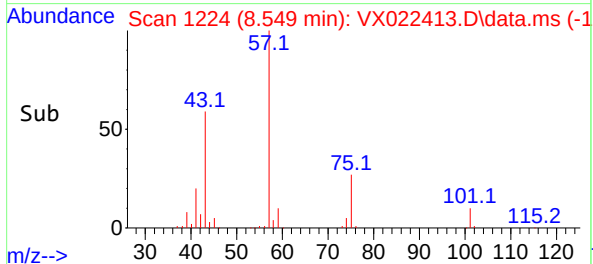
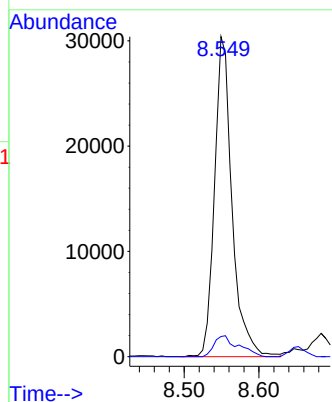
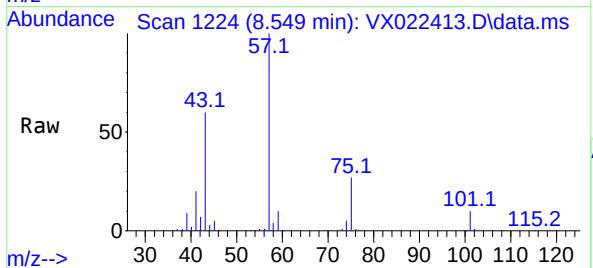




#51
4-Methyl-2-Pentanone
Concen: 32.290 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

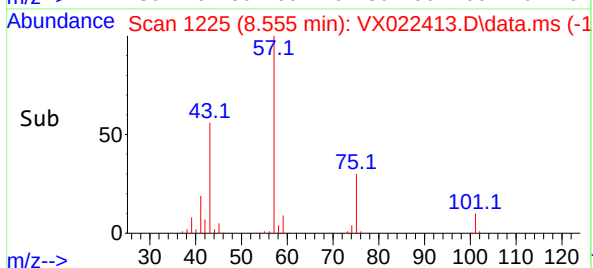
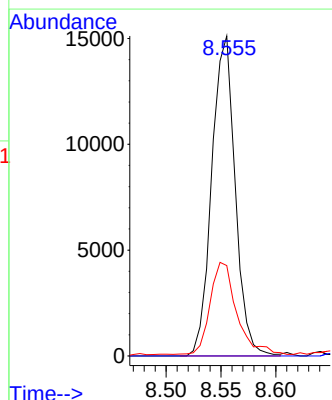
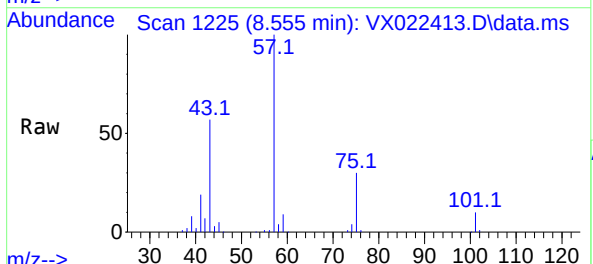
Instrument :
MSVOA_X
ClientSampled :

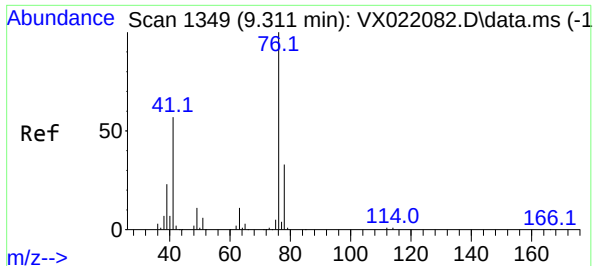
Tgt Ion: 43 Resp: 49561
Ion Ratio Lower Upper
43 100
58 9.0 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 13.317 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

Tgt Ion: 75 Resp: 22504
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 27.7 35.1 52.7#

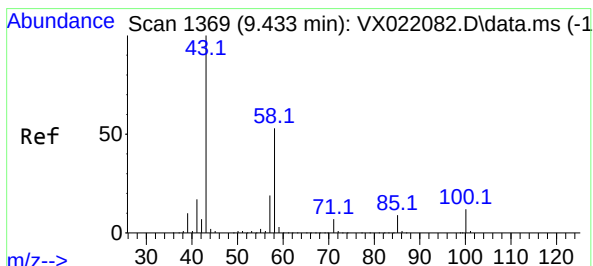
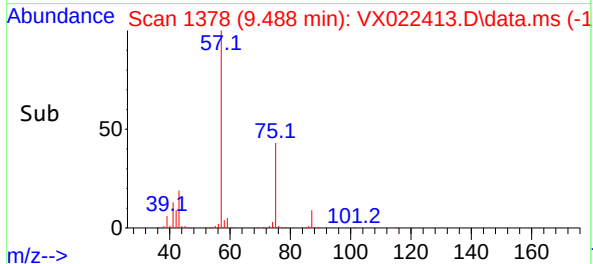
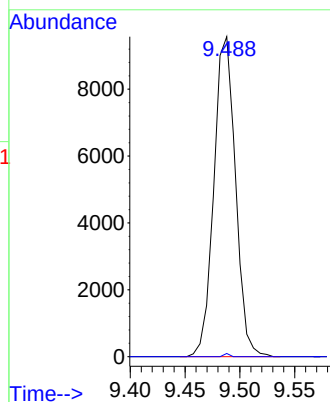
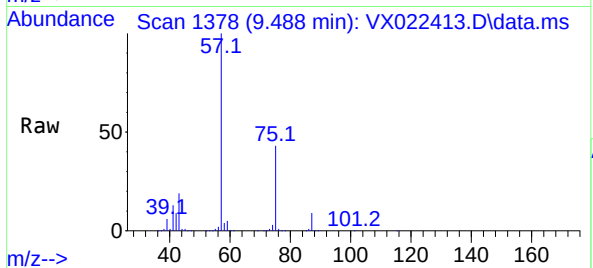




#57
1,3-Dichloropropane
Concen: 7.614 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

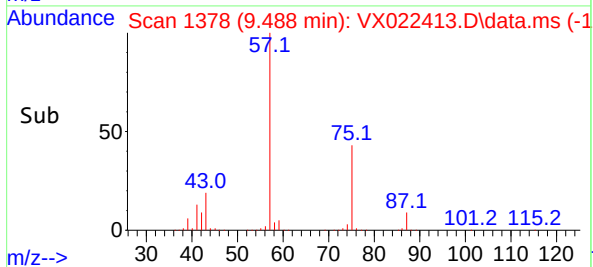
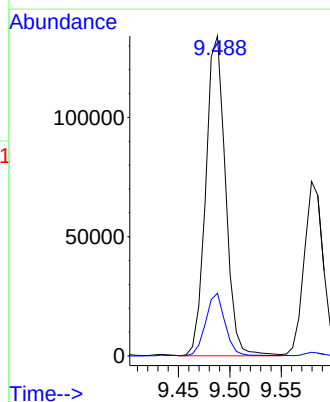
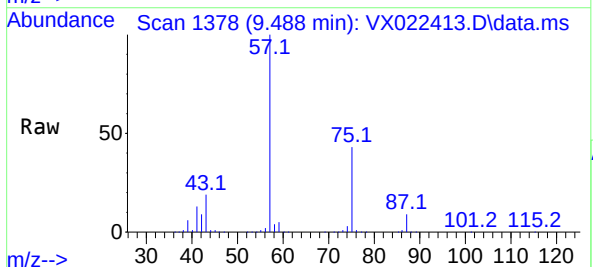
Instrument :
MSVOA_X
ClientSampleId :

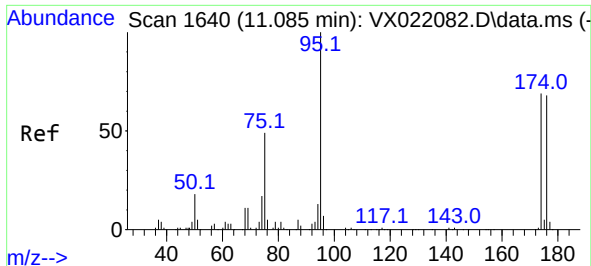
Tgt Ion: 76 Resp: 13140
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#



#59
2-Hexanone
Concen: 155.118 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

Tgt Ion: 43 Resp: 179067
Ion Ratio Lower Upper
43 100
58 19.2 30.9 92.8#

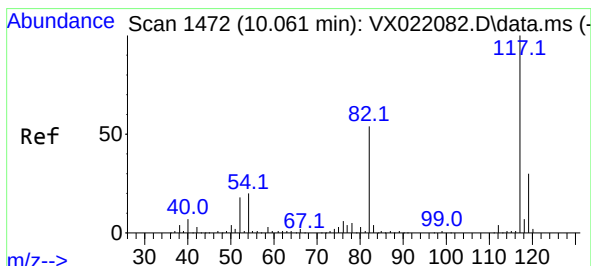
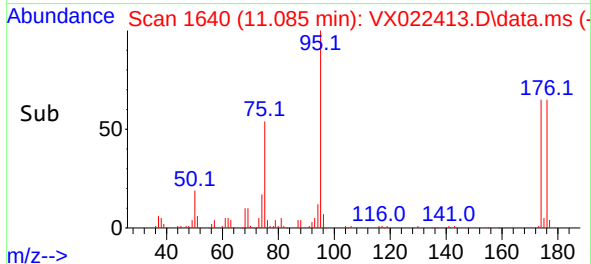
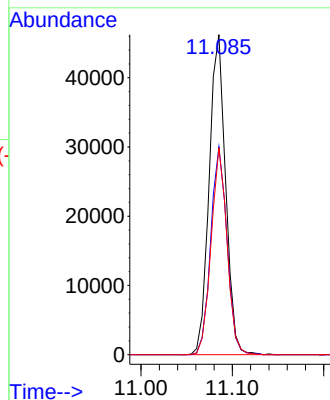
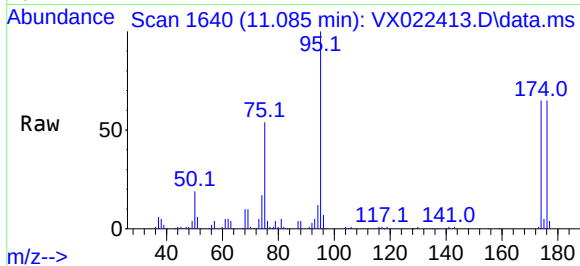




#62
4-Bromofluorobenzene
Concen: 46.144 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

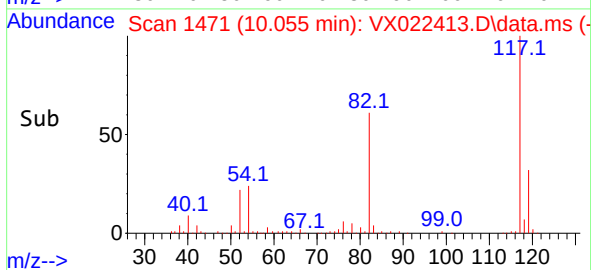
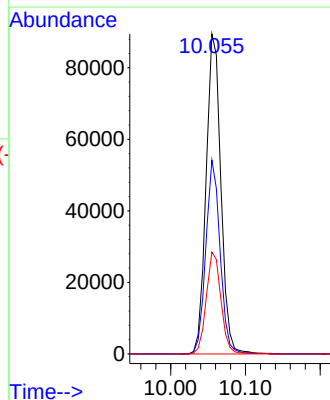
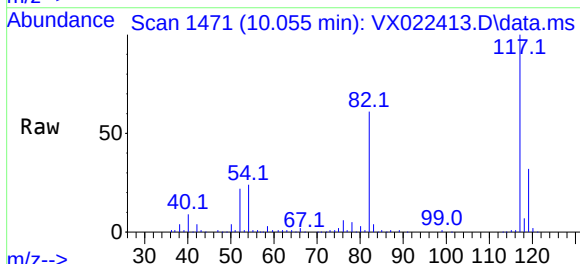
Instrument :
MSVOA_X
ClientSampled :

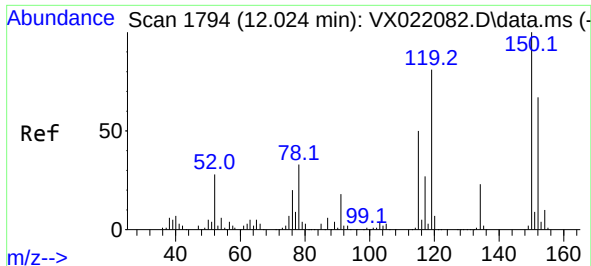
Tgt Ion: 95 Resp: 57580
Ion Ratio Lower Upper
95 100
174 64.2 0.0 154.6
176 62.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

Tgt Ion: 117 Resp: 122788
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 31.9 26.6 39.8

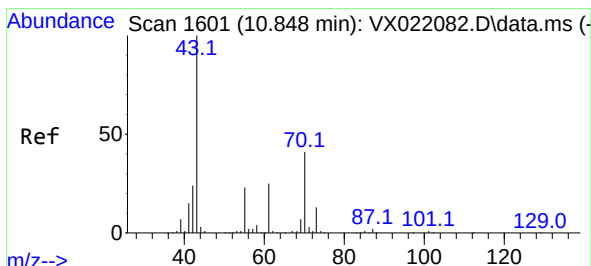
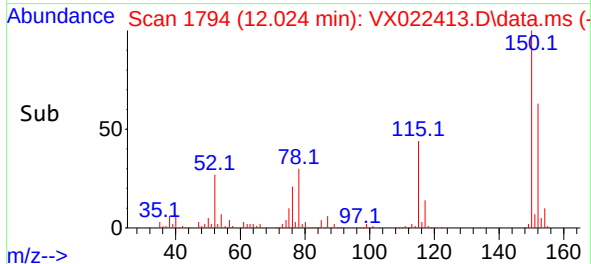
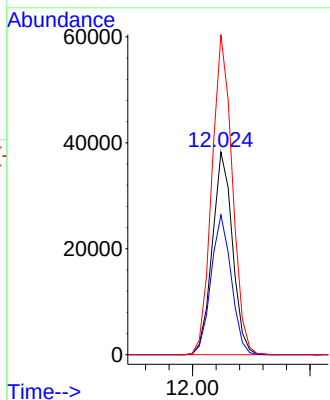
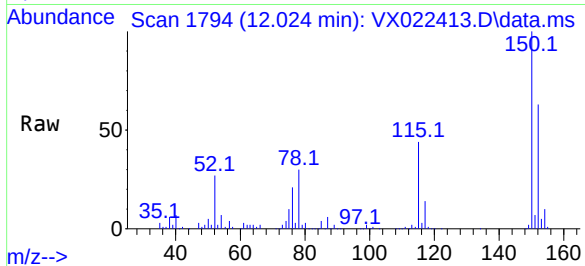




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

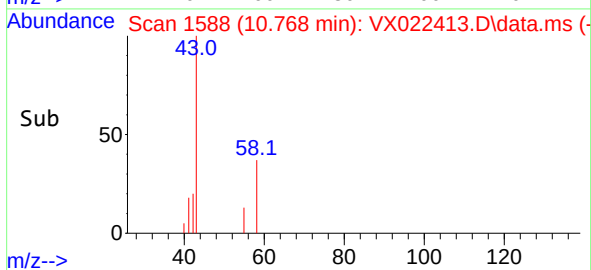
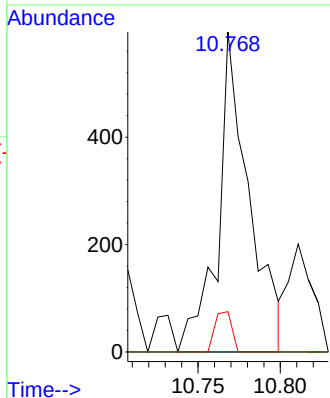
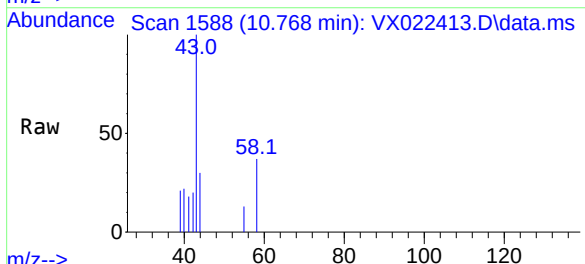
Instrument :
MSVOA_X
ClientSampleId :

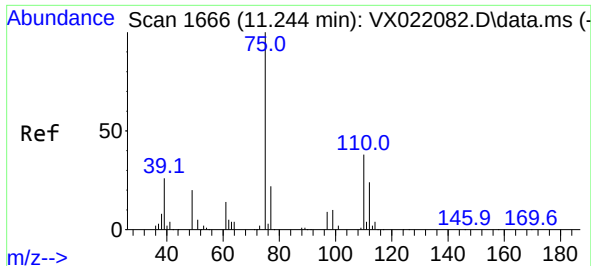
Tgt Ion:152 Resp: 45567
Ion Ratio Lower Upper
152 100
115 69.0 41.1 123.3
150 160.0 0.0 349.0



#74
N-ethyl acetate
Concen: 0.428 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

Tgt Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 6.8 21.5 32.3#
61 0.0 22.1 33.1#

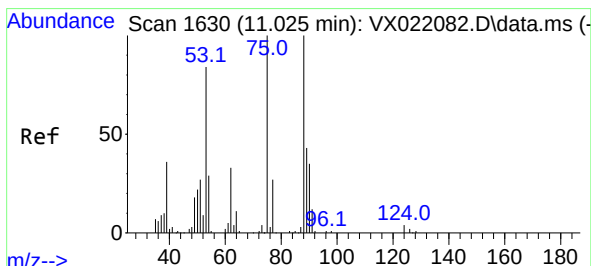
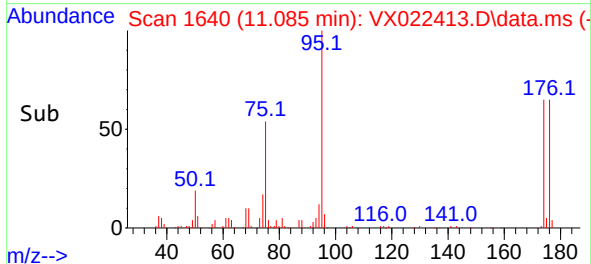
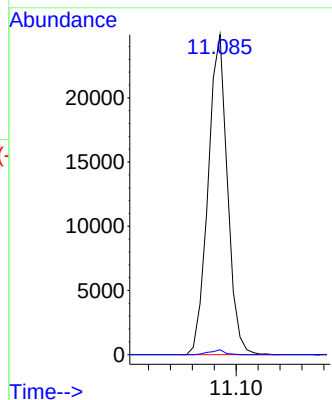
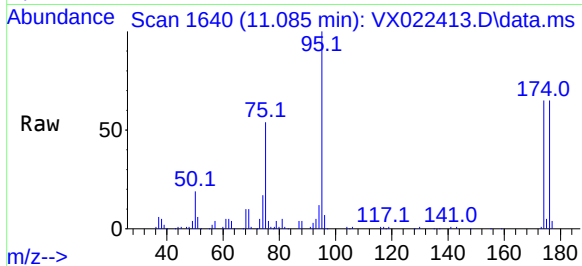




#76
1,2,3-Trichloropropane
Concen: 27.124 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

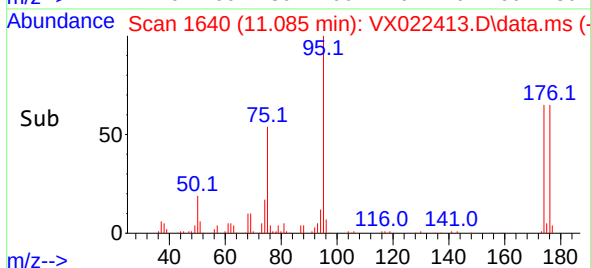
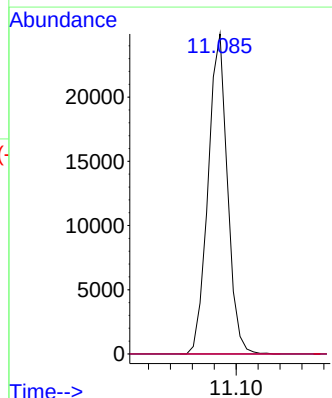
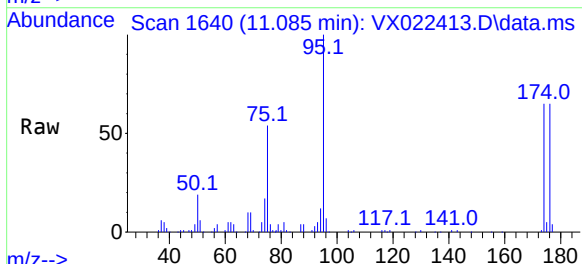
Instrument :
MSVOA_X
ClientSampled :

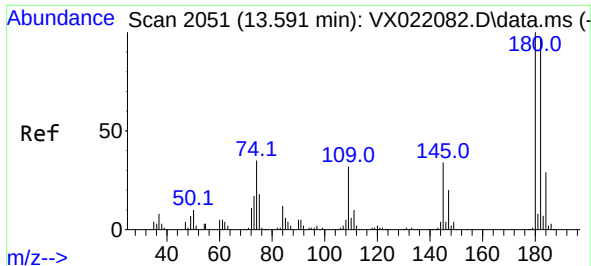
Tgt Ion: 75 Resp: 30491
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.266 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

Tgt Ion: 75 Resp: 30491
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

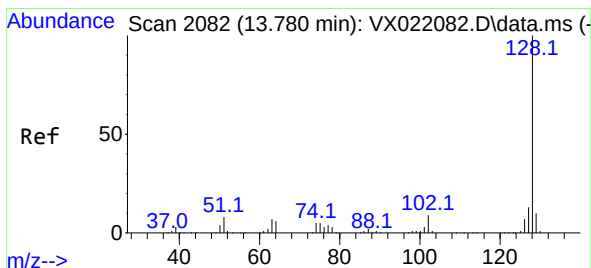
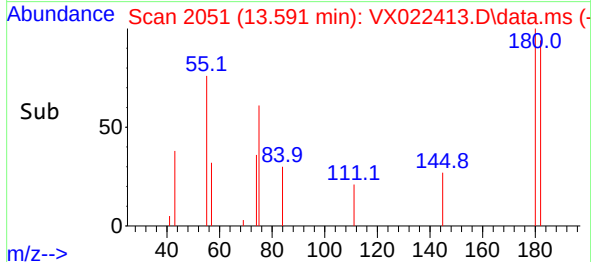
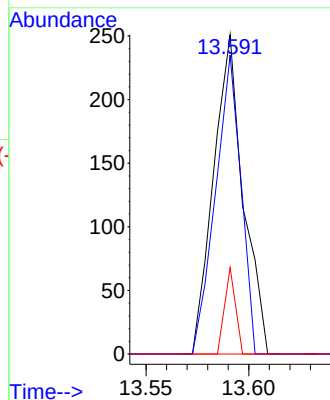
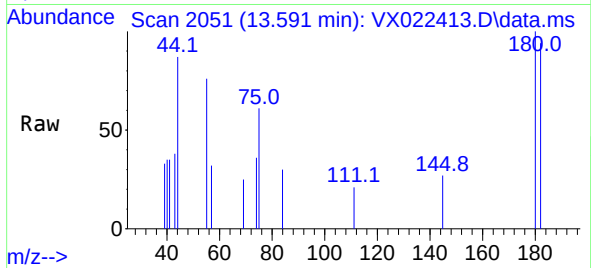




#93
1,2,4-Trichlorobenzene
Concen: 0.276 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:180 Resp: 252
Ion Ratio Lower Upper
180 100
182 80.2 47.7 143.1
145 9.9 15.0 45.0#



#95
Naphthalene
Concen: 0.250 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX022413.D
Acq: 04 Jun 2021 15:35

Tgt Ion:128 Resp: 892
Ion Ratio Lower Upper
128 100
127 17.9 10.3 15.5#
129 8.3 8.8 13.2#

