

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071321\
 Data File : VX023263.D
 Acq On : 13 Jul 2021 14:53
 Operator : JC/MD
 Sample : M3012-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 14 04:53:14 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)

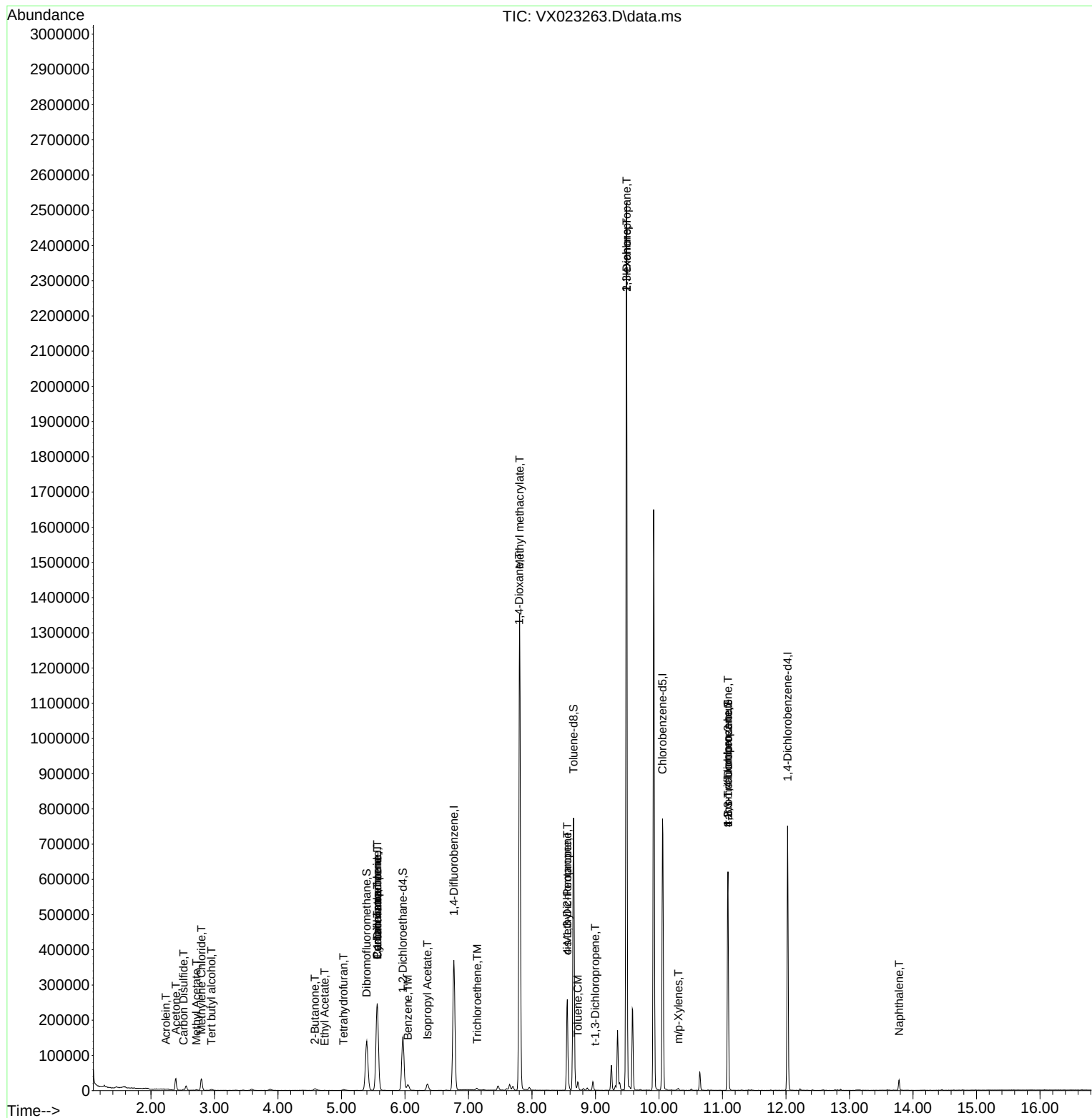
Internal Standards						
1) Pentafluorobenzene	5.562	168	232344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	376284	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	353985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	154107	49.351	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.700%
35) Dibromofluoromethane	5.397	113	119692	49.258	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.520%
50) Toluene-d8	8.653	98	454961	50.194	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.380%
62) 4-Bromofluorobenzene	11.085	95	166916	47.701	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.400%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	225	Below Cal	#	40
11) Tert butyl alcohol	2.953	59	2479	3.774	ug/l #	76
13) Acrolein	2.233	56	171	0.391	ug/l #	14
16) Acetone	2.392	43	34138	27.632	ug/l	92
17) Carbon Disulfide	2.514	76	3283	0.752	ug/l	100
18) Methyl Acetate	2.715	43	2439	0.813	ug/l	97
20) Methylene Chloride	2.794	84	15186	5.709	ug/l	90
25) 2-Butanone	4.581	43	5217	2.800	ug/l	94
29) Tetrahydrofuran	5.032	42	2327	1.943	ug/l #	86
31) Cyclohexane	5.562	56	4599	1.230	ug/l #	4
36) 1,1-Dichloropropene	5.562	75	17378	5.180	ug/l #	50
37) Ethyl Acetate	4.733	43	741	0.202	ug/l #	78
38) Carbon Tetrachloride	5.562	117	24376	6.962	ug/l #	16
40) Benzene	6.044	78	18535	1.903	ug/l	94
43) Isopropyl Acetate	6.355	43	25004	4.108	ug/l	93
44) Trichloroethene	7.135	130	1409	0.510	ug/l	86
48) Methyl methacrylate	7.806	41	119622	40.052	ug/l #	37
49) 1,4-Dioxane	7.799	88	125	1.860	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	88628	23.498	ug/l #	46
52) Toluene	8.720	92	7458	1.183	ug/l	99
53) t-1,3-Dichloropropene	8.994	75	22	2.741	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	40574	11.068	ug/l #	64
57) 1,3-Dichloropropane	9.488	76	20633	4.716	ug/l #	43
59) 2-Hexanone	9.488	43	287008	99.176	ug/l #	44
68) m/p-Xylenes	10.305	106	1180	0.250	ug/l	85
76) 1,2,3-Trichloropropane	11.085	75	84443	27.757	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	84443	74.884	ug/l #	12
95) Naphthalene	13.780	128	18286	2.854	ug/l	99

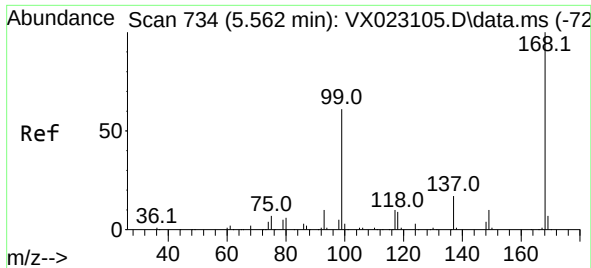
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071321\  
Data File : VX023263.D  
Acq On    : 13 Jul 2021  14:53  
Operator  : JC/MD  
Sample    : M3012-05  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 12   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 14 04:53:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 02 14:29:42 2021
Response via : Initial Calibration

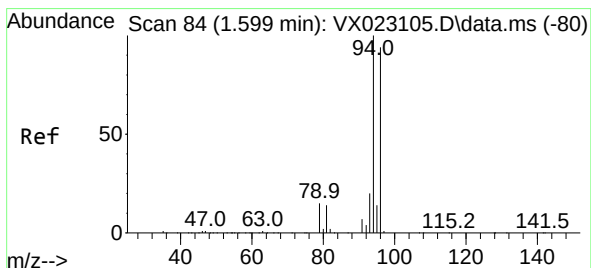
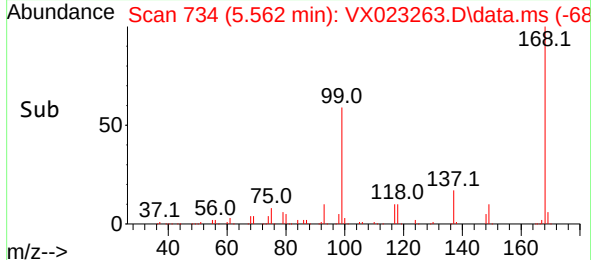
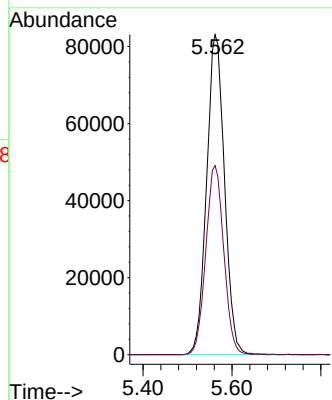
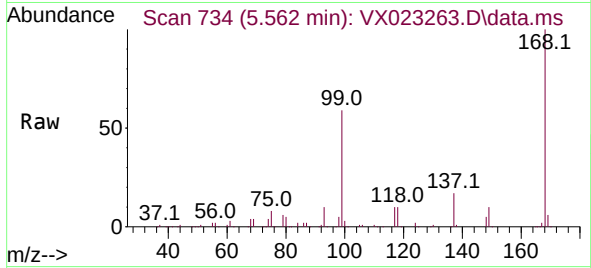




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

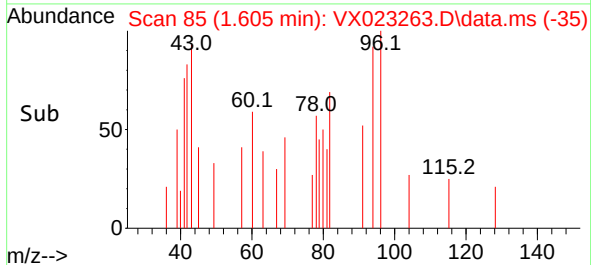
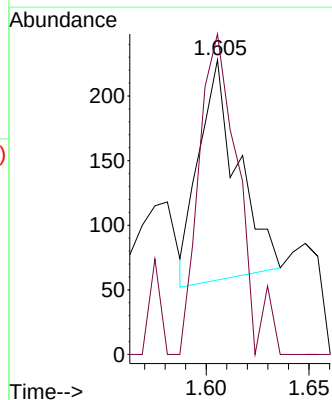
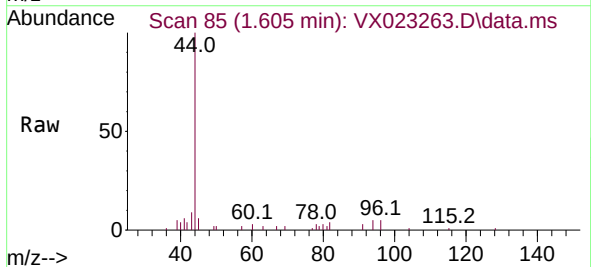
Instrument :
MSVOA_X
ClientSampleId :

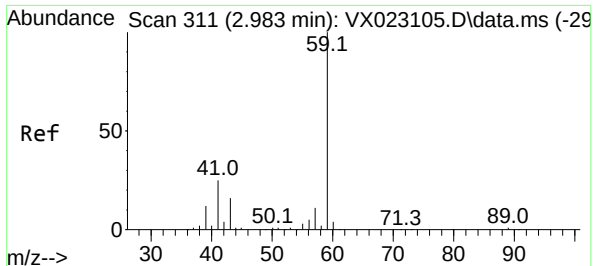
Tgt Ion:168 Resp: 232344
Ion Ratio Lower Upper
168 100
99 59.1 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Tgt Ion: 94 Resp: 225
Ion Ratio Lower Upper
94 100
96 154.0 76.4 114.6#



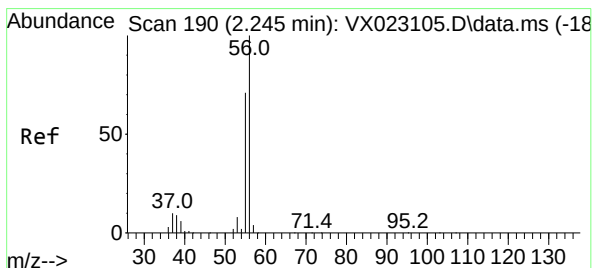
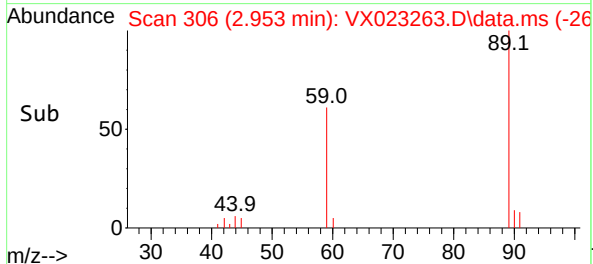
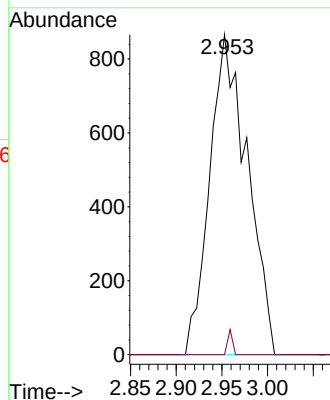
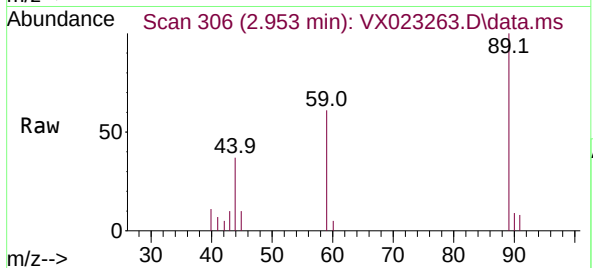


#11

Tert butyl alcohol
Concen: 3.774 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Instrument :
MSVOA_X
ClientSampled :

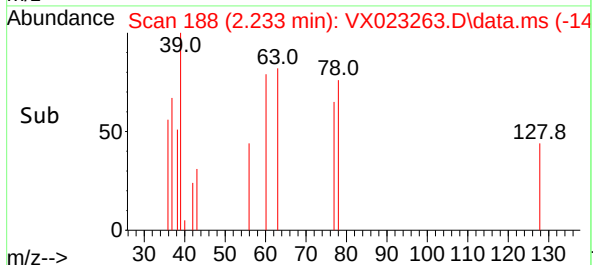
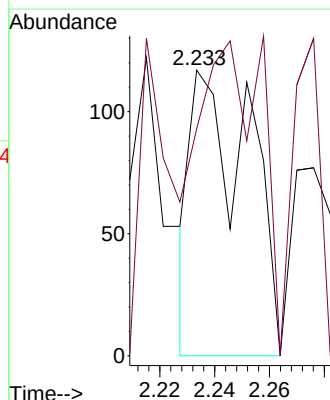
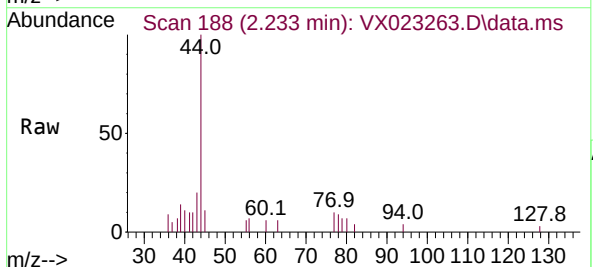
Tgt Ion: 59 Resp: 2479
Ion Ratio Lower Upper
59 100
57 1.0 7.8 11.8#

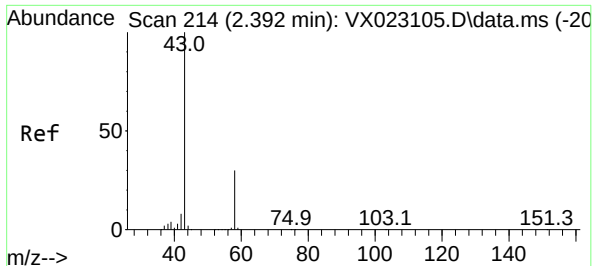


#13

Acrolein
Concen: 0.391 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.012 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Tgt Ion: 56 Resp: 171
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

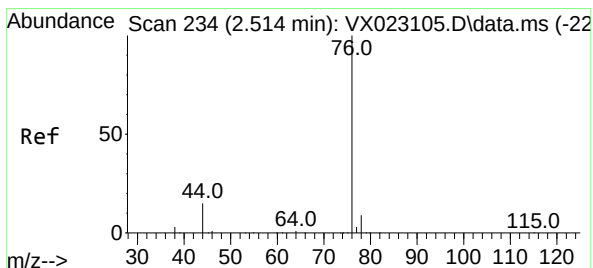
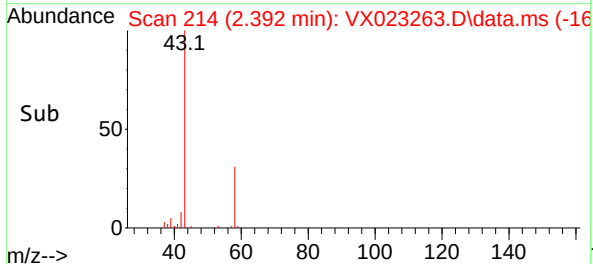
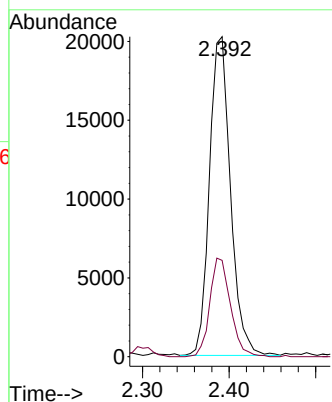
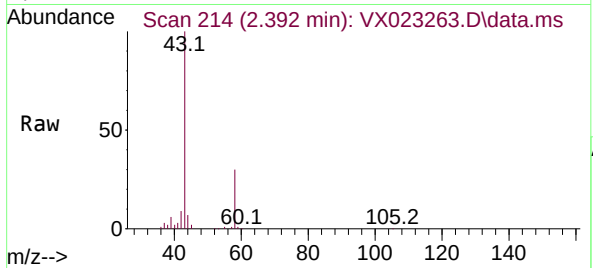




#16
Acetone
Concen: 27.632 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

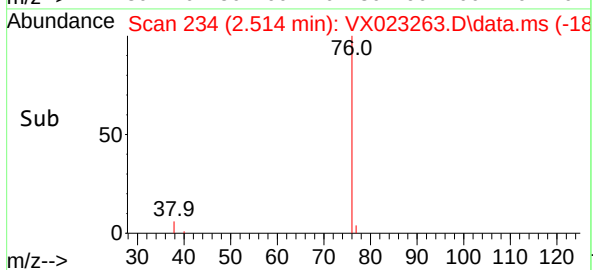
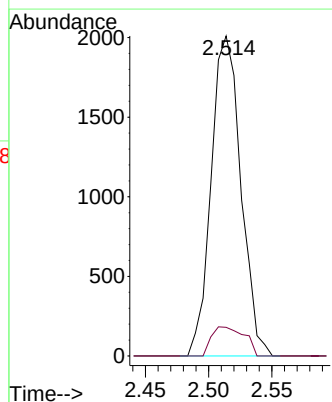
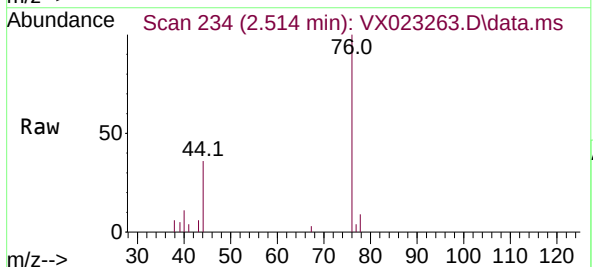
Instrument :
MSVOA_X
ClientSampled :

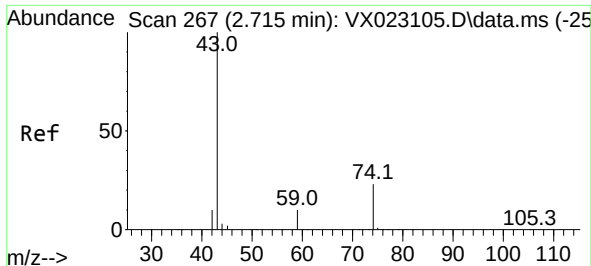
Tgt Ion: 43 Resp: 34138
Ion Ratio Lower Upper
43 100
58 30.2 27.8 41.8



#17
Carbon Disulfide
Concen: 0.752 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Tgt Ion: 76 Resp: 3283
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

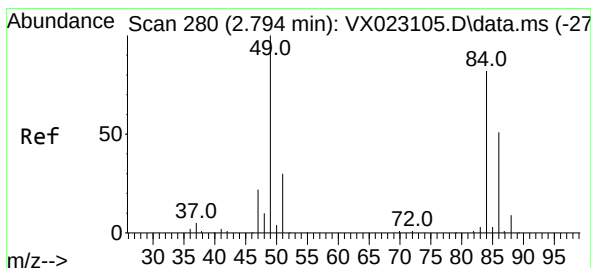
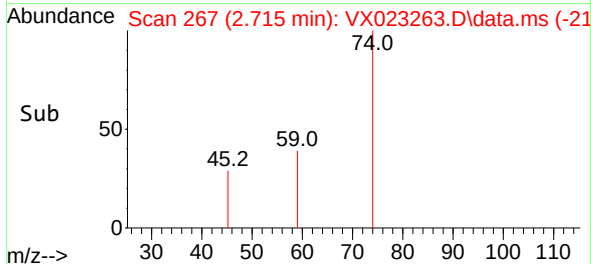
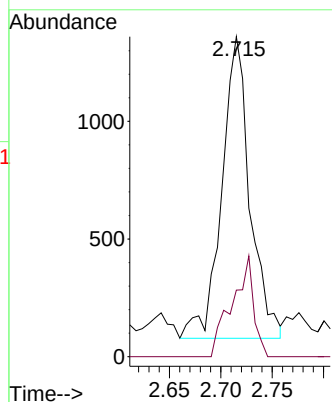
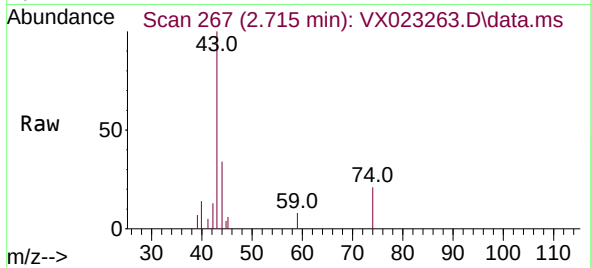




#18
Methyl Acetate
Concen: 0.813 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

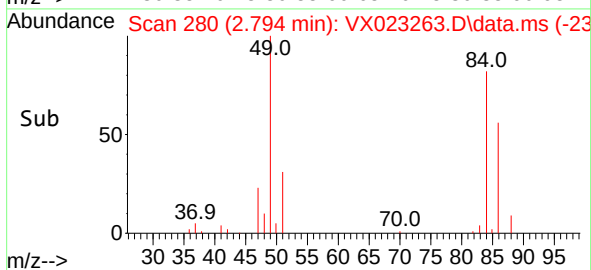
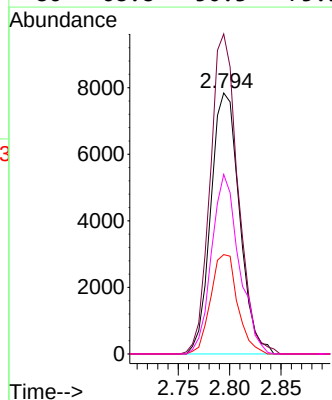
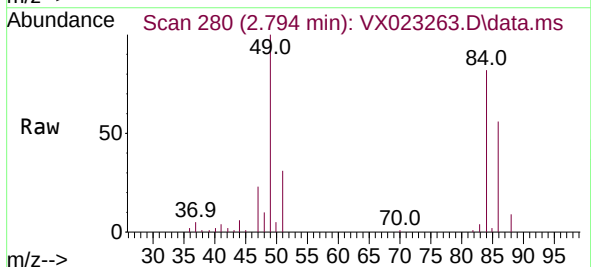
Instrument :
MSVOA_X
ClientSampled :

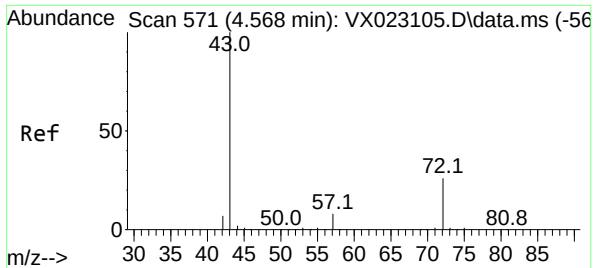
Tgt Ion: 43 Resp: 2439
Ion Ratio Lower Upper
43 100
74 25.6 21.9 32.9



#20
Methylene Chloride
Concen: 5.709 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Tgt Ion: 84 Resp: 15186
Ion Ratio Lower Upper
84 100
49 122.6 88.6 132.8
51 38.1 27.0 40.6
86 68.8 50.3 75.5

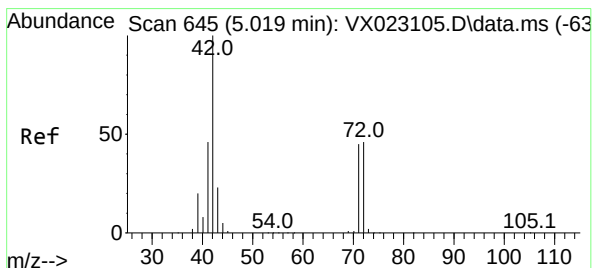
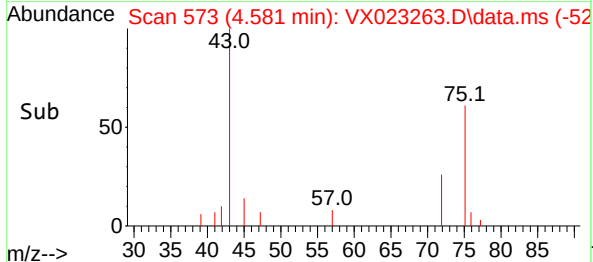
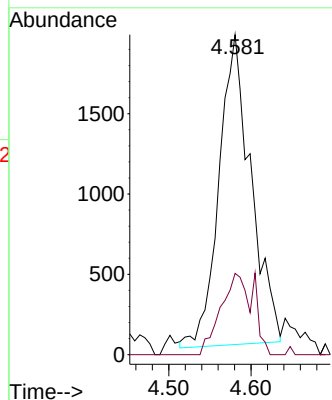
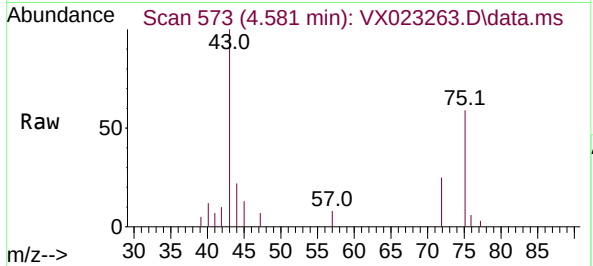




#25
2-Butanone
Concen: 2.800 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

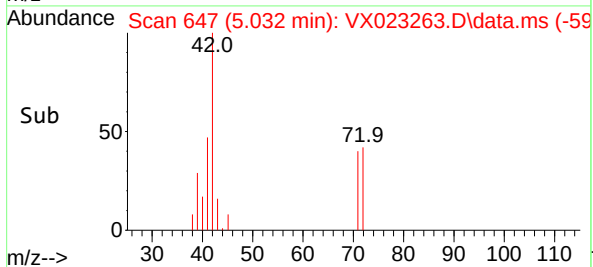
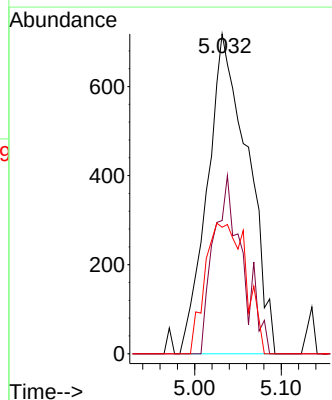
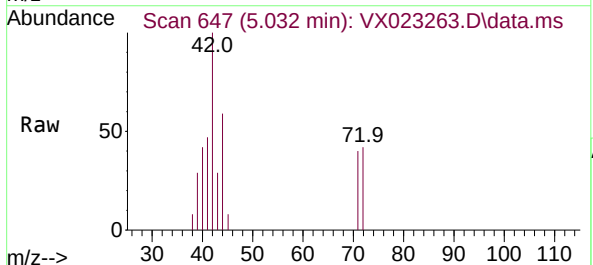
Instrument :
MSVOA_X
ClientSampled :

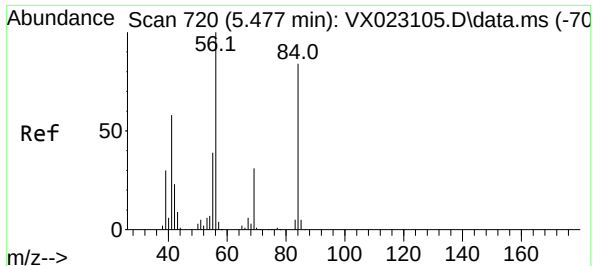
Tgt Ion: 43 Resp: 5217
Ion Ratio Lower Upper
43 100
72 26.5 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.943 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.013 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

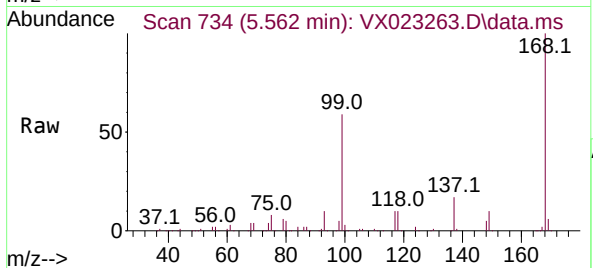
Tgt Ion: 42 Resp: 2327
Ion Ratio Lower Upper
42 100
72 39.8 41.7 62.5#
71 41.1 38.4 57.6



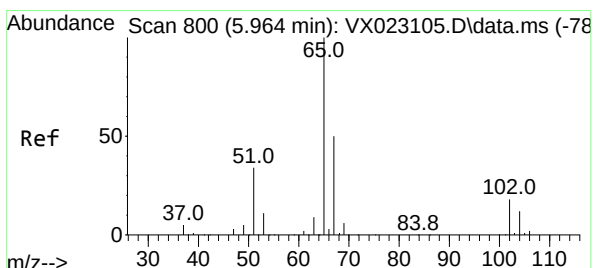
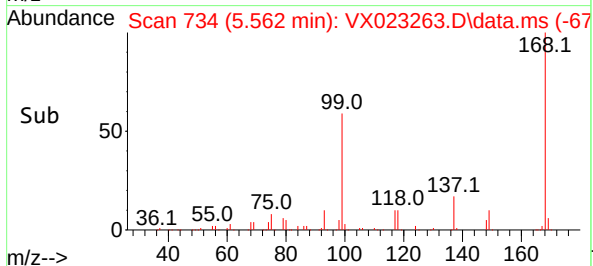
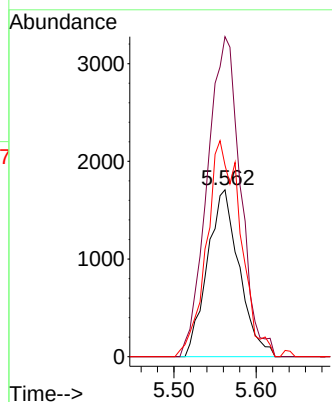


#31
Cyclohexane
Concen: 1.230 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Instrument :
MSVOA_X
ClientSampleId :

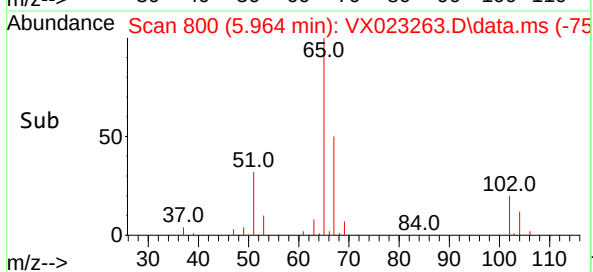
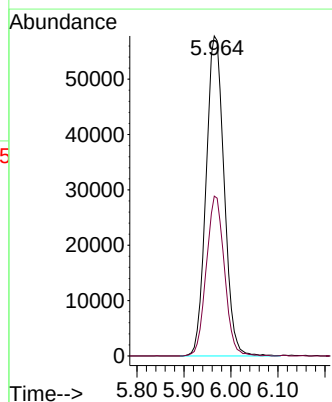
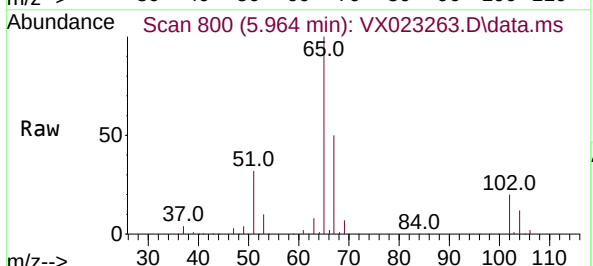


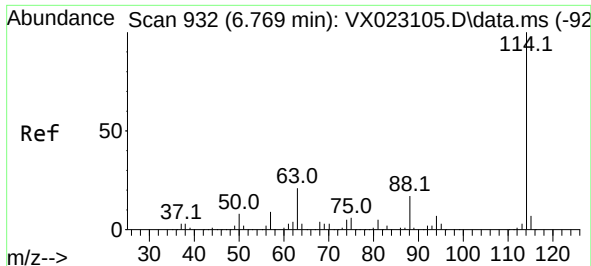
Tgt Ion: 56 Resp: 4599
Ion Ratio Lower Upper
56 100
69 191.7 25.3 37.9#
84 114.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 49.351 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Tgt Ion: 65 Resp: 154107
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4

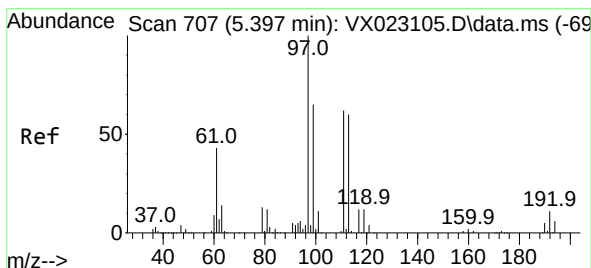
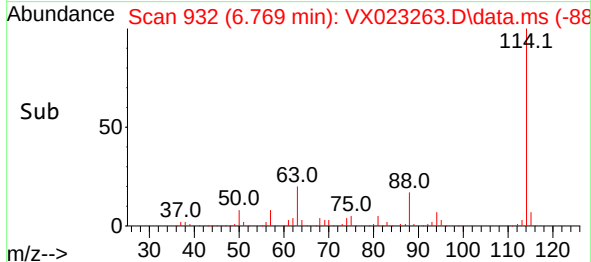
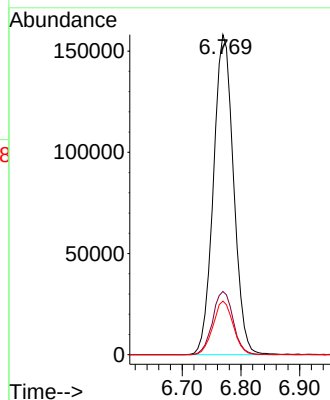
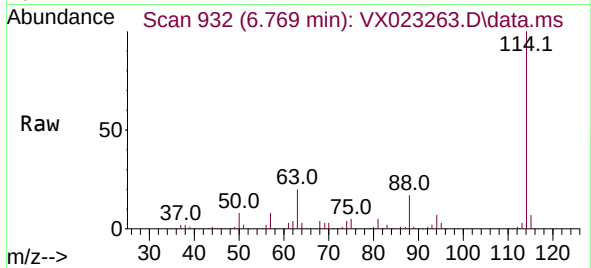




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

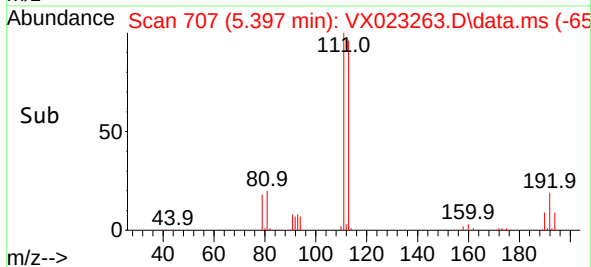
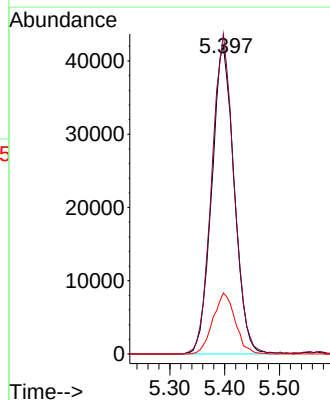
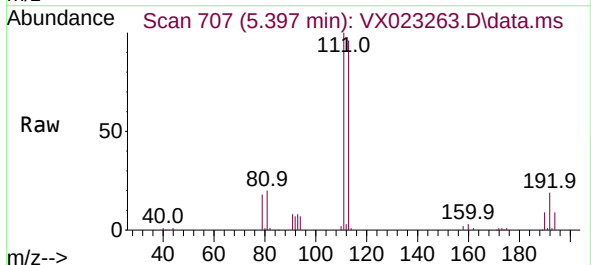
Instrument :
MSVOA_X
ClientSampleId :

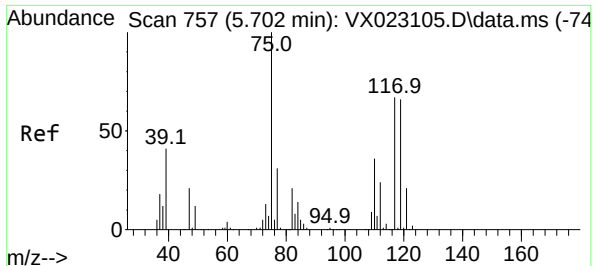
Tgt Ion:114 Resp: 376284
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.258 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Tgt Ion:113 Resp: 119692
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 19.6 16.7 25.1

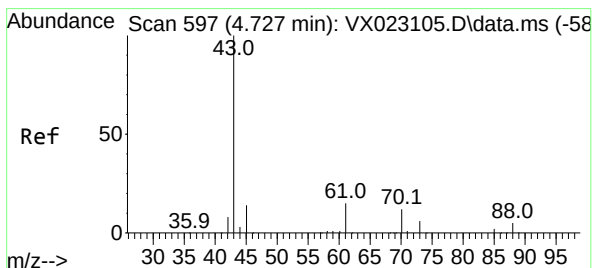
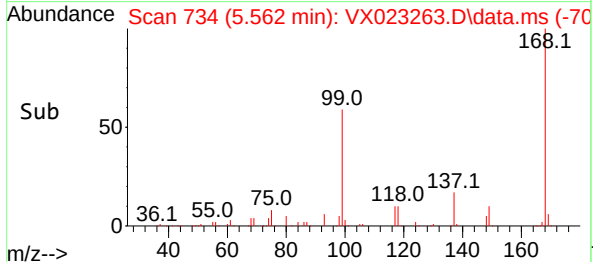
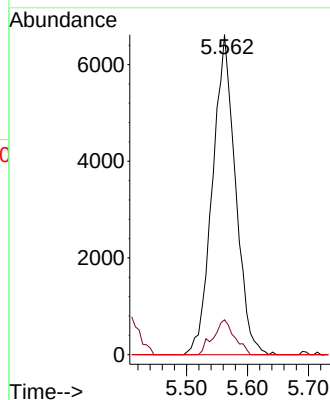
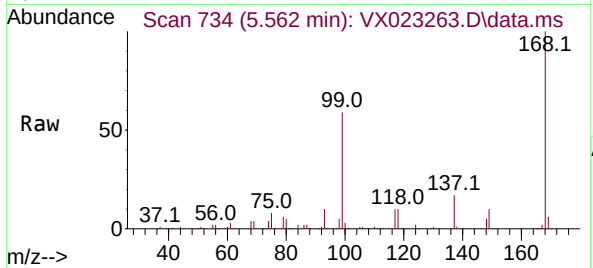




#36
1,1-Dichloropropene
Concen: 5.180 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

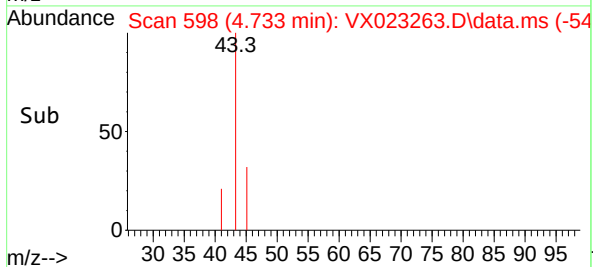
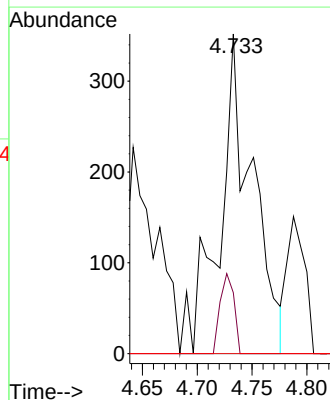
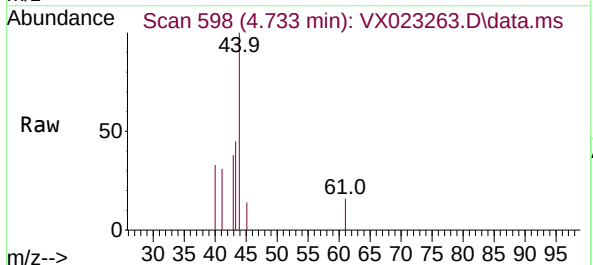
Instrument :
MSVOA_X
ClientSampleId :

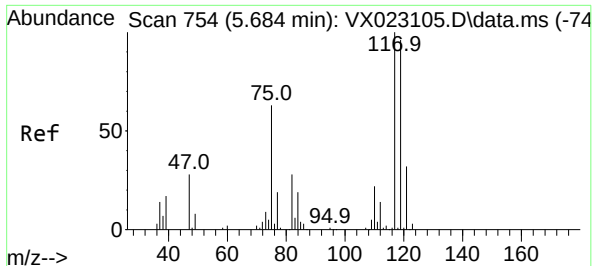
Tgt Ion: 75 Resp: 17378
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 0.202 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.006 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

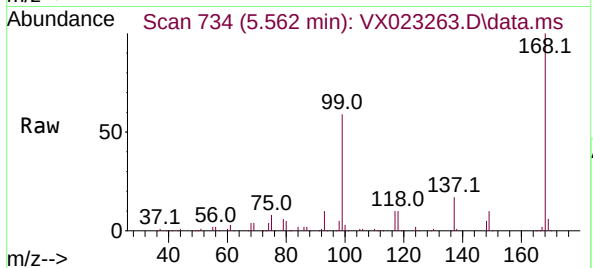
Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
61 10.5 12.8 19.2#
70 0.0 10.5 15.7#



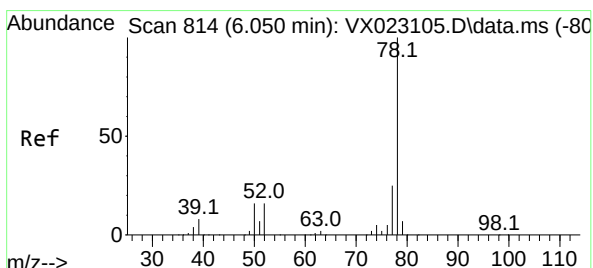
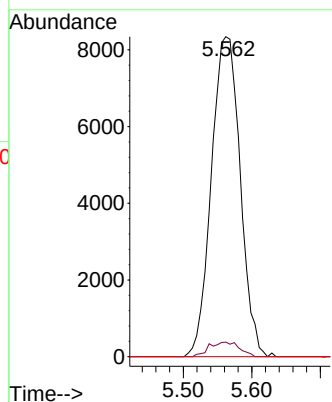
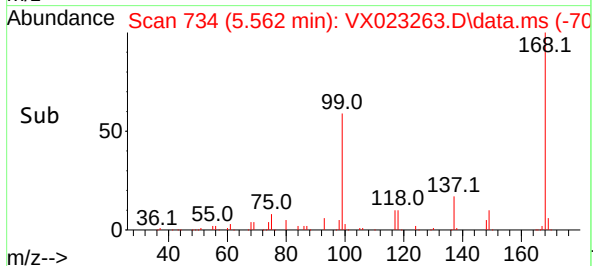


#38
Carbon Tetrachloride
Concen: 6.962 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

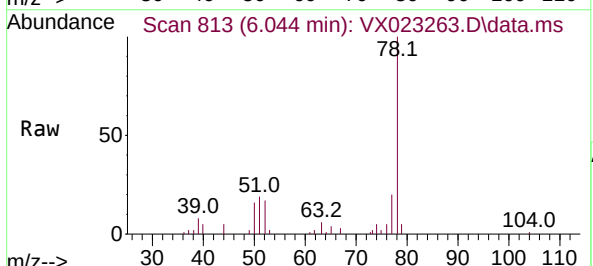
Instrument :
MSVOA_X
ClientSampleId :



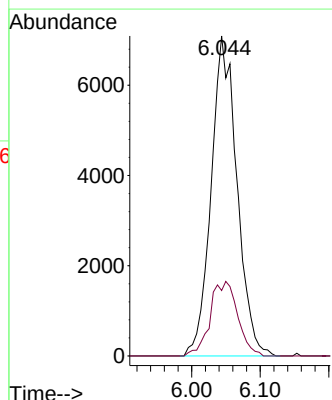
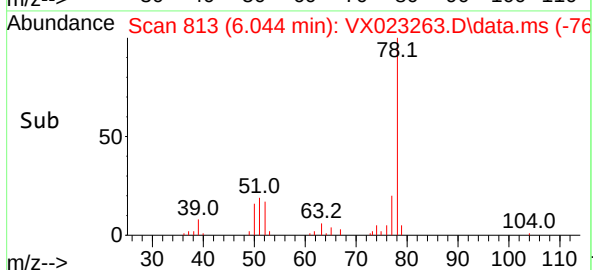
Tgt Ion:117 Resp: 24376
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#

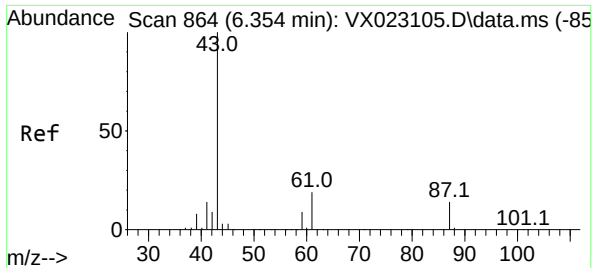


#40
Benzene
Concen: 1.903 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53



Tgt Ion: 78 Resp: 18535
Ion Ratio Lower Upper
78 100
77 20.4 18.9 28.3

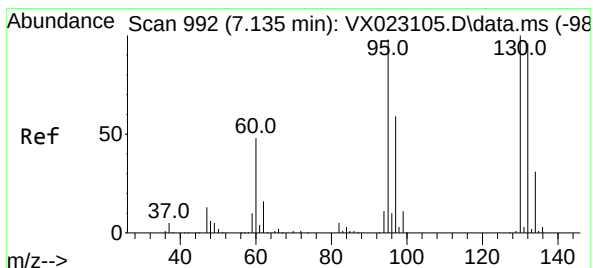
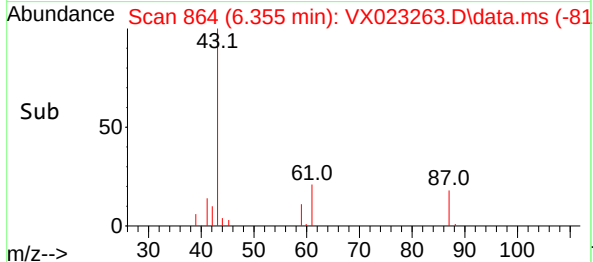
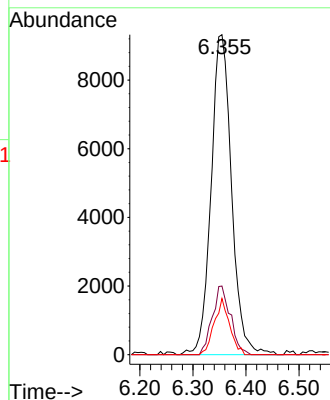
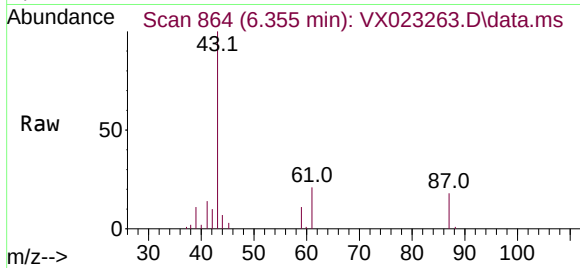




#43
Isopropyl Acetate
Concen: 4.108 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

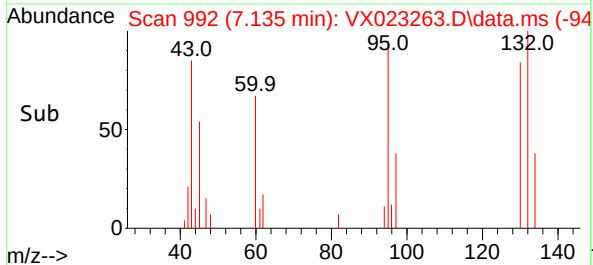
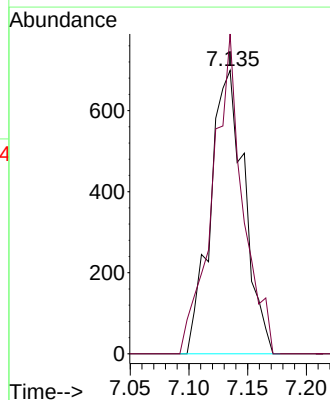
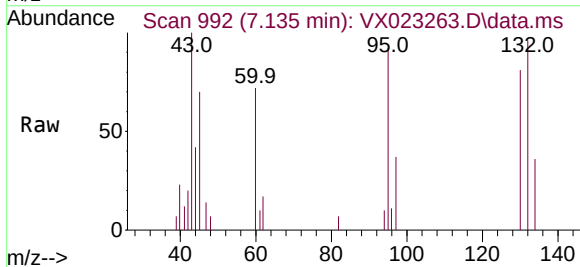
Instrument :
MSVOA_X
ClientSampled :

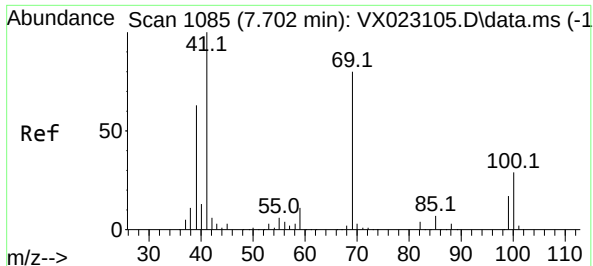
Tgt Ion: 43 Resp: 25004
Ion Ratio Lower Upper
43 100
61 19.0 18.2 27.4
87 13.1 12.5 18.7



#44
Trichloroethene
Concen: 0.510 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Tgt Ion:130 Resp: 1409
Ion Ratio Lower Upper
130 100
95 112.9 0.0 198.0





#48

Methyl methacrylate

Concen: 40.052 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.104 min

Lab File: VX023263.D

Acq: 13 Jul 2021 14:53

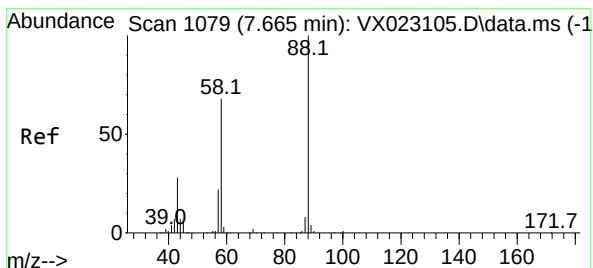
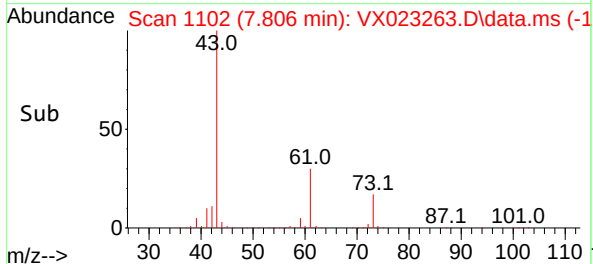
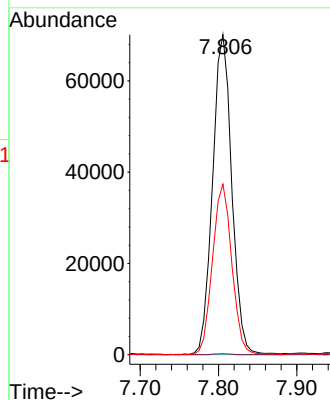
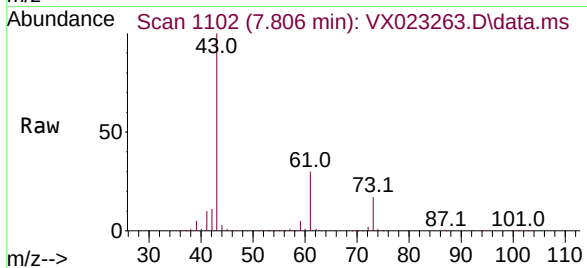
Tgt Ion: 41 Resp: 119622

Ion Ratio Lower Upper

41 100

69 0.2 76.0 114.0#

39 53.6 44.6 67.0



#49

1,4-Dioxane

Concen: 1.860 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX023263.D

Acq: 13 Jul 2021 14:53

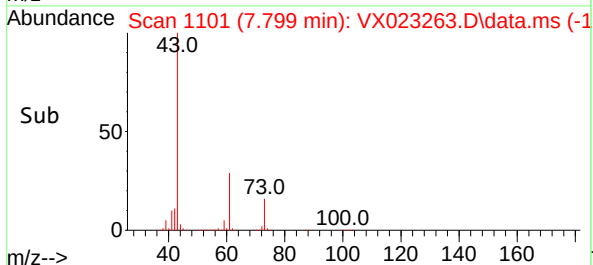
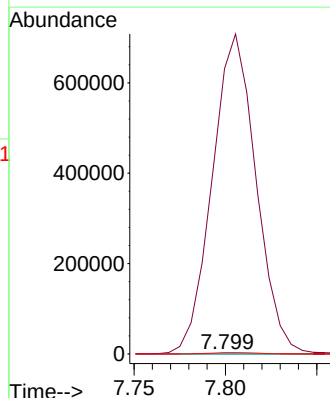
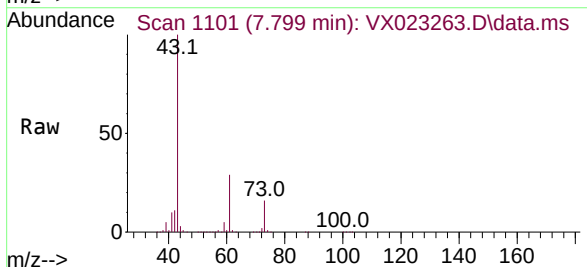
Tgt Ion: 88 Resp: 125

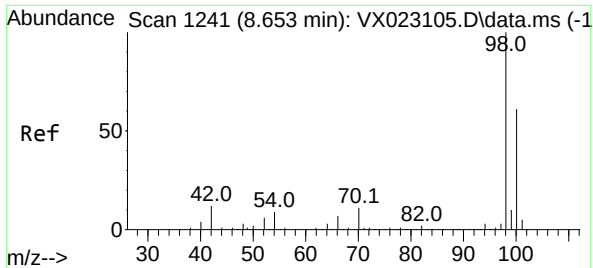
Ion Ratio Lower Upper

88 100

43 949582.4 23.2 34.8#

58 4510.4 55.0 82.4#

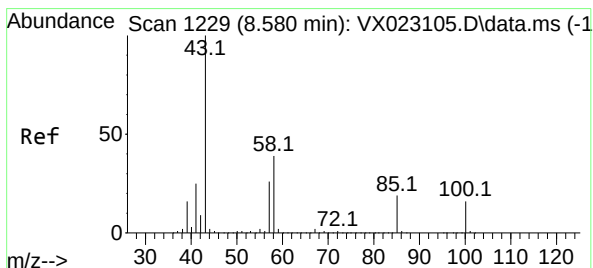
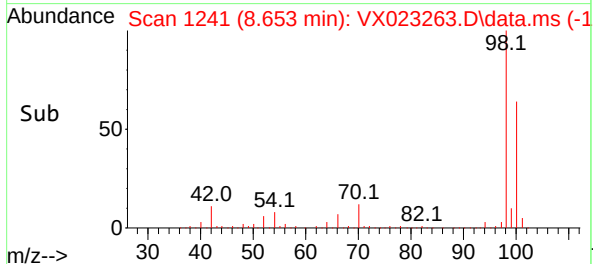
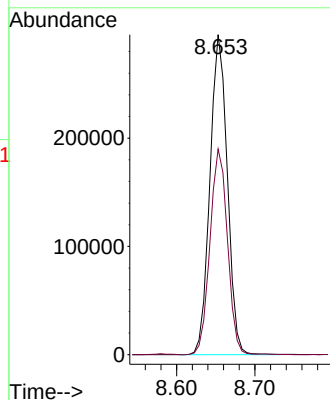
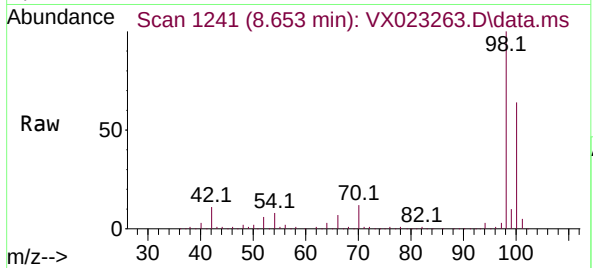




#50
Toluene-d8
Concen: 50.194 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

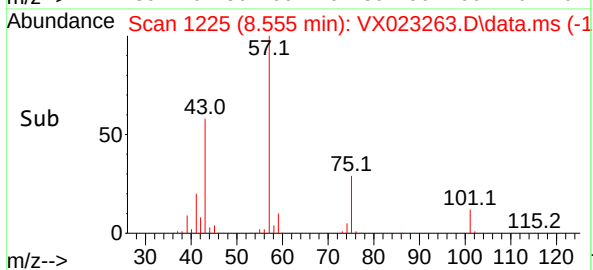
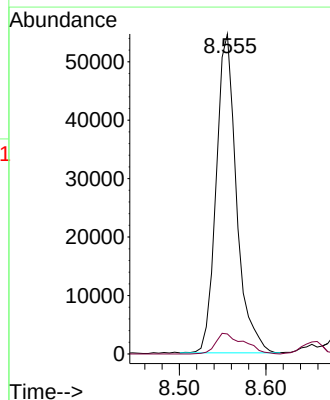
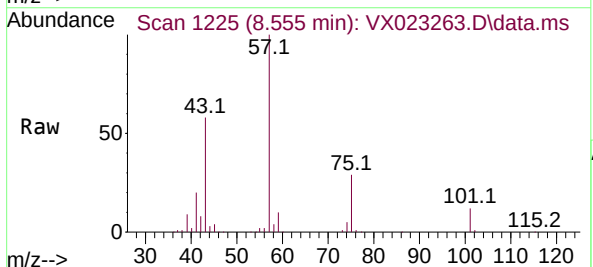
Instrument :
MSVOA_X
ClientSampled :

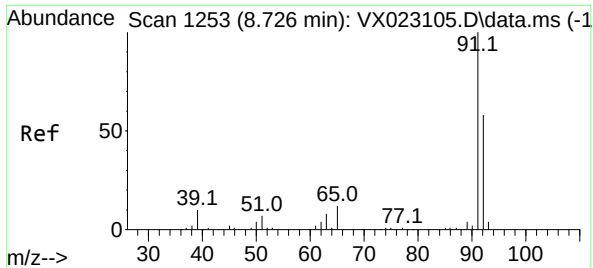
Tgt Ion: 98 Resp: 454961
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 23.498 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Tgt Ion: 43 Resp: 88628
Ion Ratio Lower Upper
43 100
58 9.0 35.4 53.0#

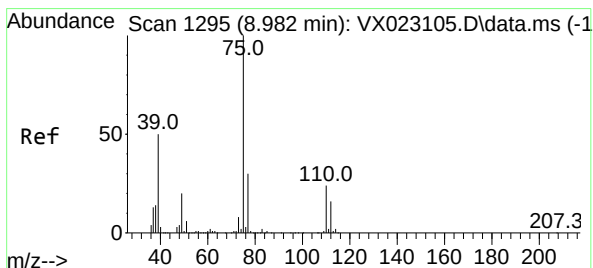
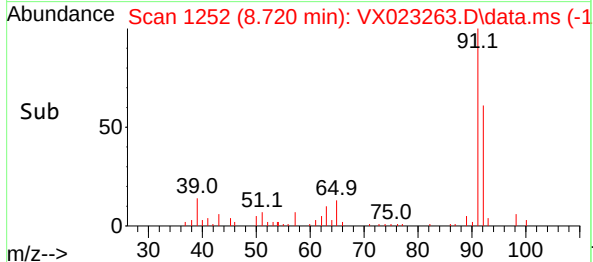
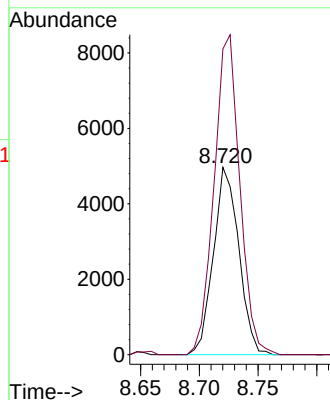
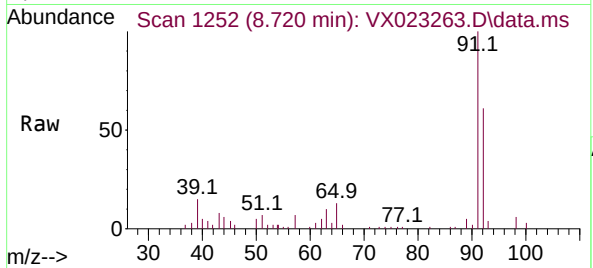




#52
Toluene
Concen: 1.183 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

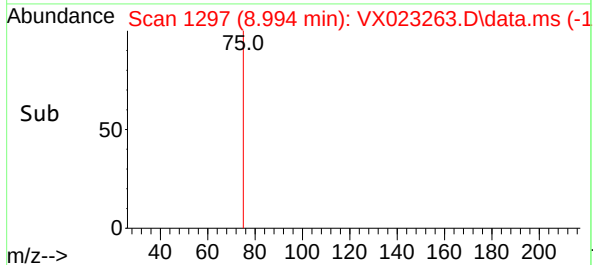
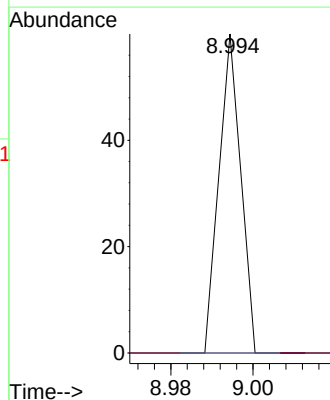
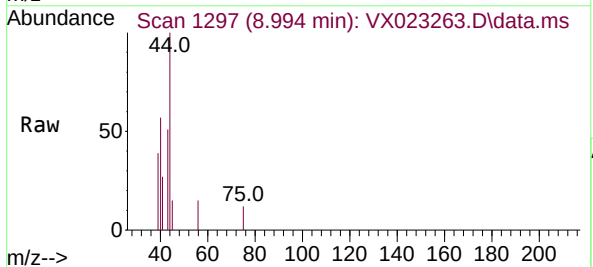
Instrument :
MSVOA_X
ClientSampled :

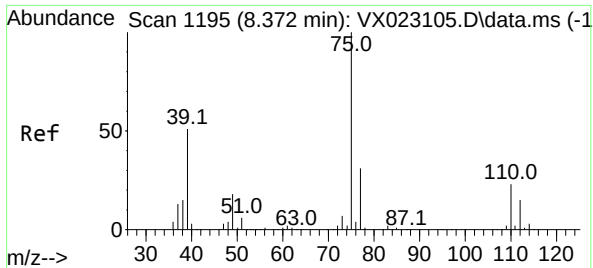
Tgt Ion: 92 Resp: 7458
Ion Ratio Lower Upper
92 100
91 173.1 137.1 205.7



#53
t-1,3-Dichloropropene
Concen: 2.741 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Tgt Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

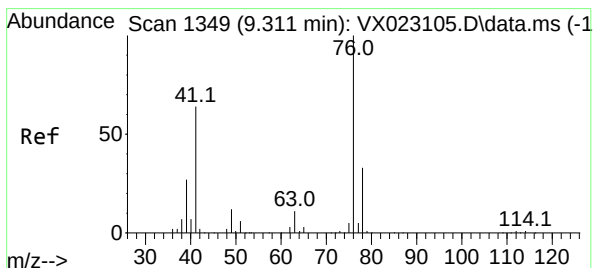
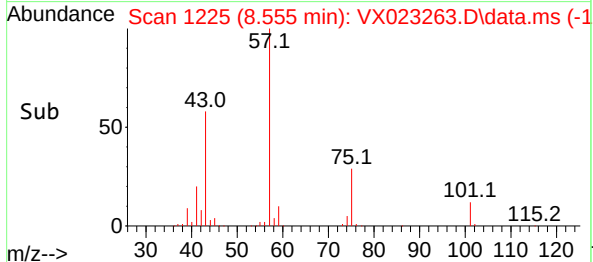
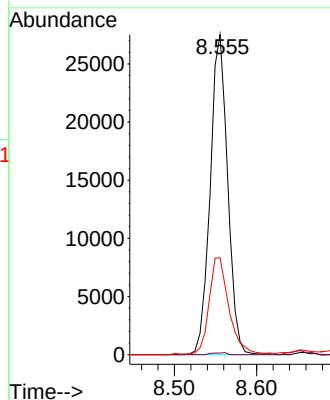
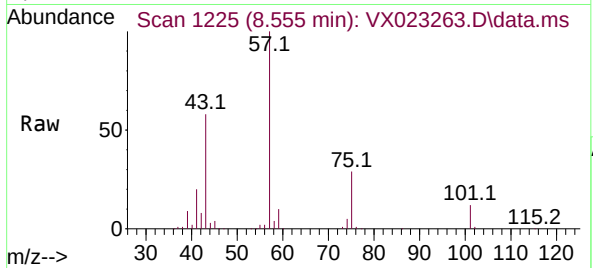




#54
 cis-1,3-Dichloropropene
 Concen: 11.068 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023263.D
 Acq: 13 Jul 2021 14:53

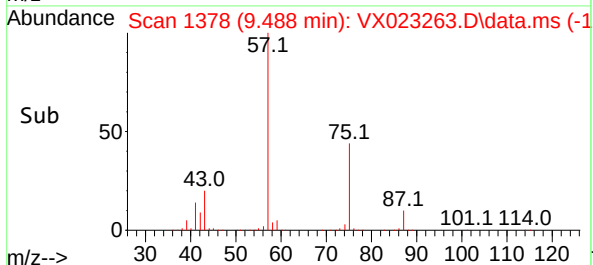
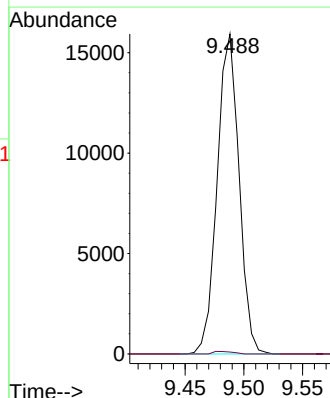
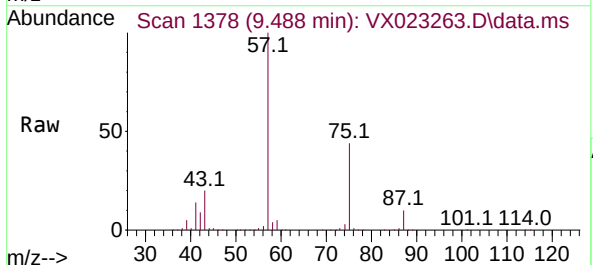
Instrument :
 MSVOA_X
 ClientSampled :

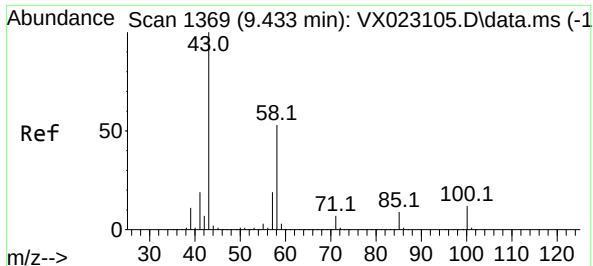
Tgt Ion: 75 Resp: 40574
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 30.1 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 4.716 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023263.D
 Acq: 13 Jul 2021 14:53

Tgt Ion: 76 Resp: 20633
 Ion Ratio Lower Upper
 76 100
 78 0.7 26.2 39.2#

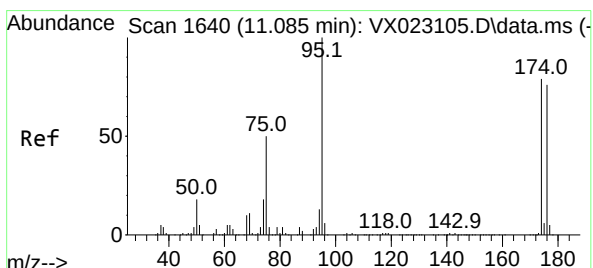
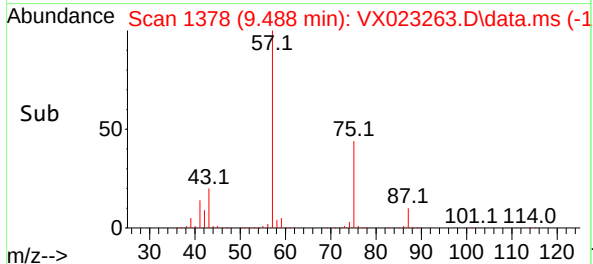
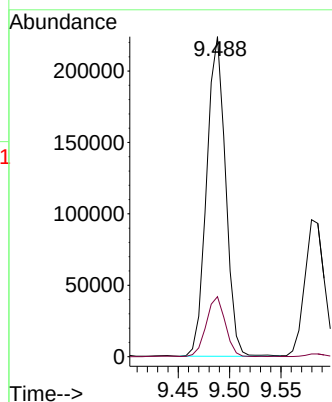
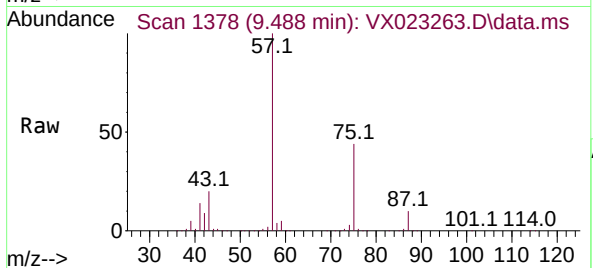




#59
2-Hexanone
Concen: 99.176 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

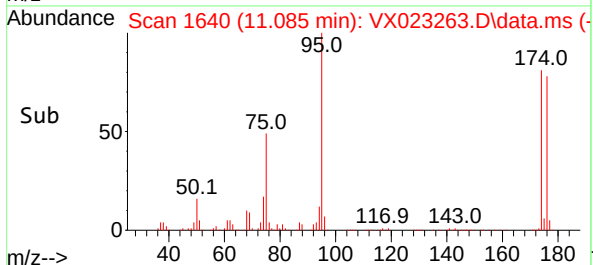
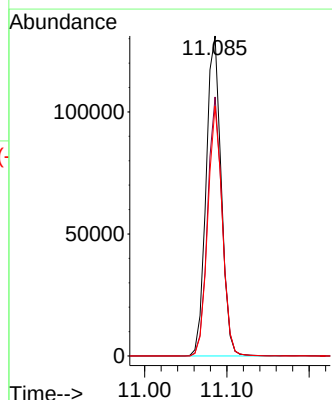
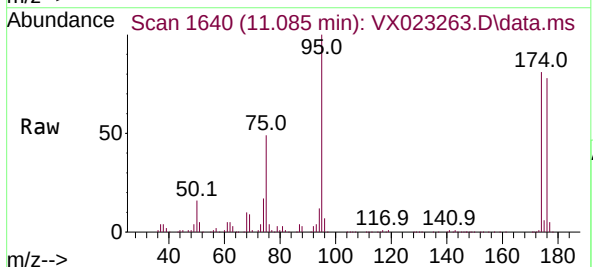
Instrument :
MSVOA_X
ClientSampled :

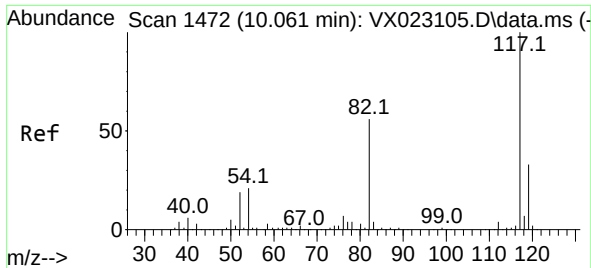
Tgt Ion: 43 Resp: 287008
Ion Ratio Lower Upper
43 100
58 18.9 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.701 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Tgt Ion: 95 Resp: 166916
Ion Ratio Lower Upper
95 100
174 77.9 0.0 154.6
176 75.1 0.0 155.8

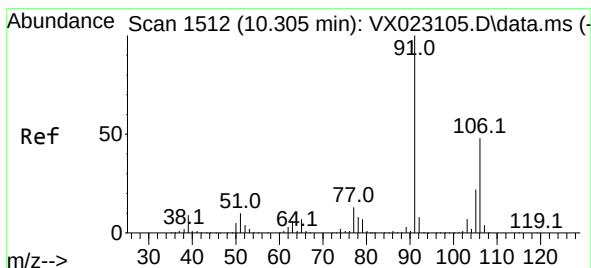
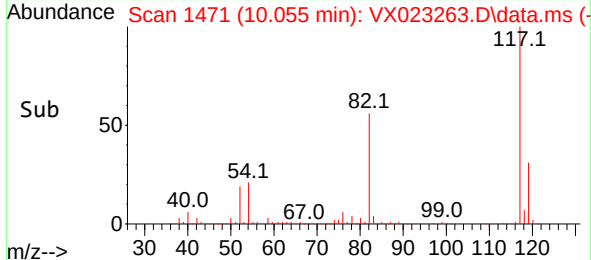
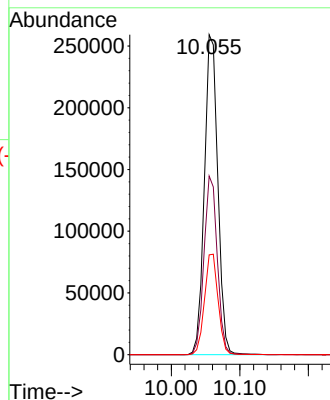
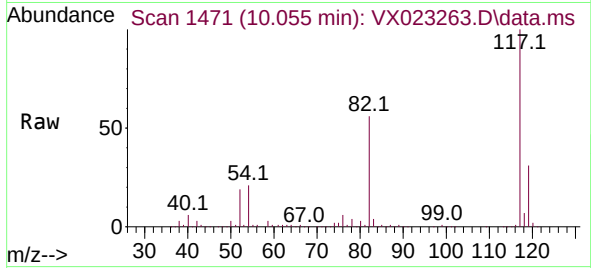




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

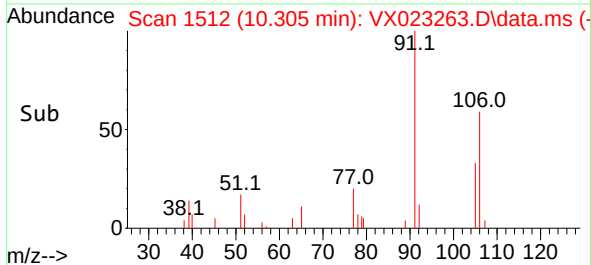
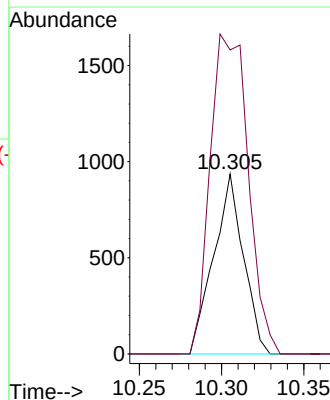
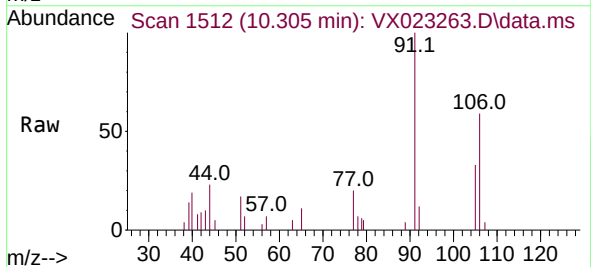
Instrument :
MSVOA_X
ClientSampleId :

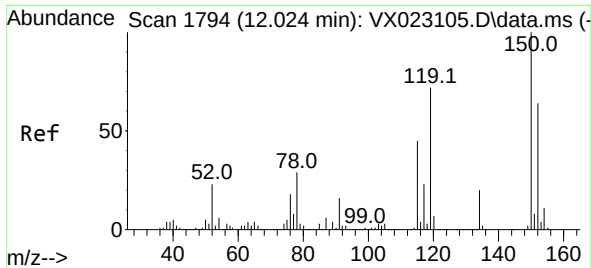
Tgt Ion:117 Resp: 353985
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 31.2 26.6 39.8



#68
m/p-Xylenes
Concen: 0.250 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Tgt Ion:106 Resp: 1180
Ion Ratio Lower Upper
106 100
91 226.3 162.8 244.2

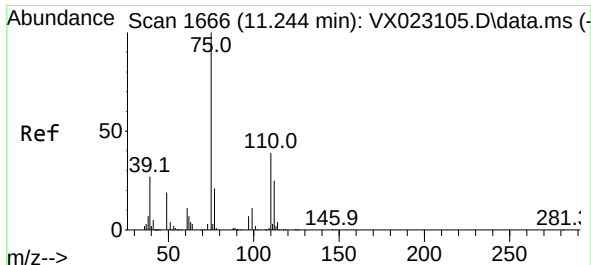
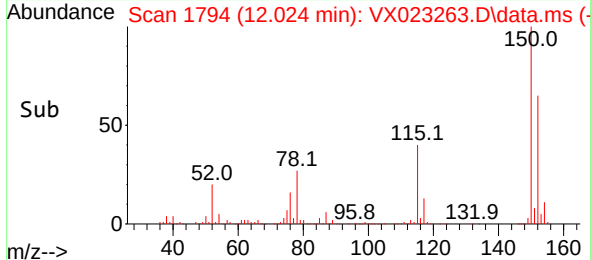
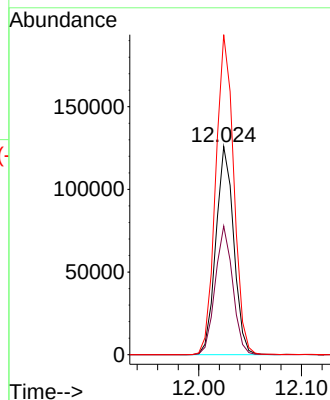
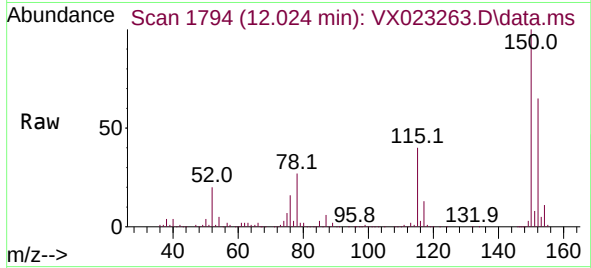




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023263.D
 Acq: 13 Jul 2021 14:53

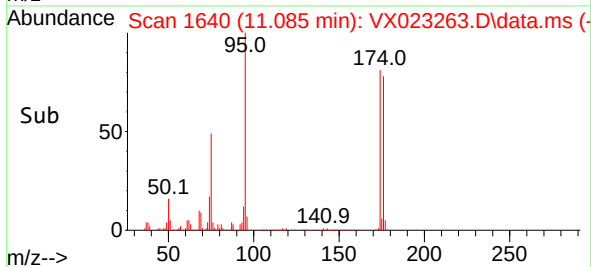
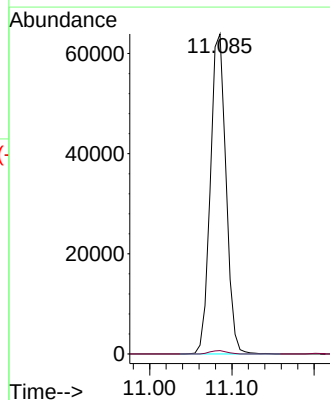
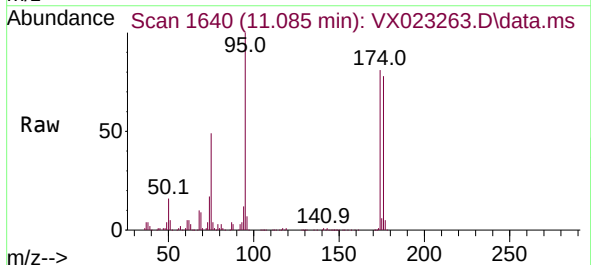
Instrument :
 MSVOA_X
 ClientSampled :

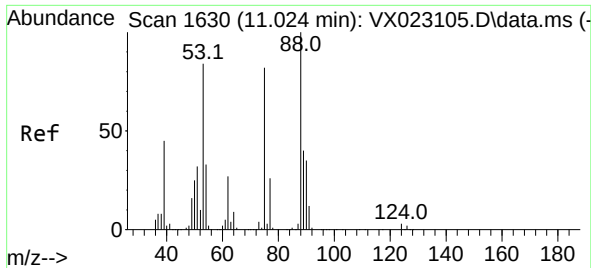
Tgt Ion:152 Resp: 151179
 Ion Ratio Lower Upper
 152 100
 115 60.5 41.1 123.3
 150 156.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.757 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023263.D
 Acq: 13 Jul 2021 14:53

Tgt Ion: 75 Resp: 84443
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

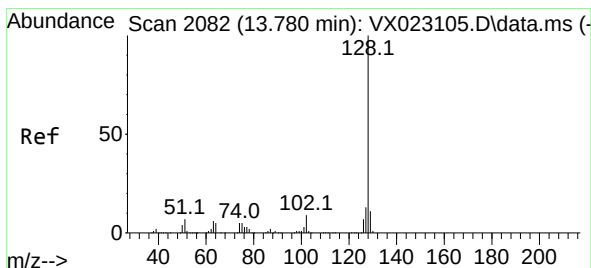
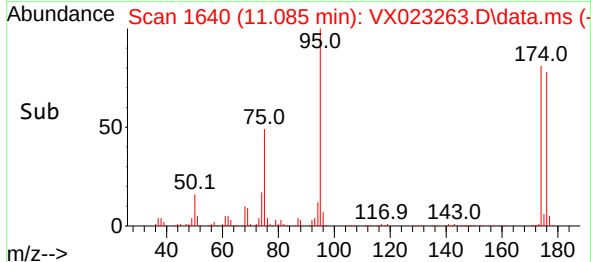
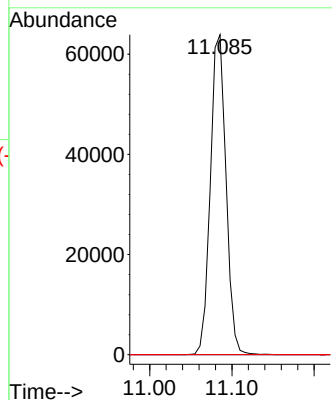
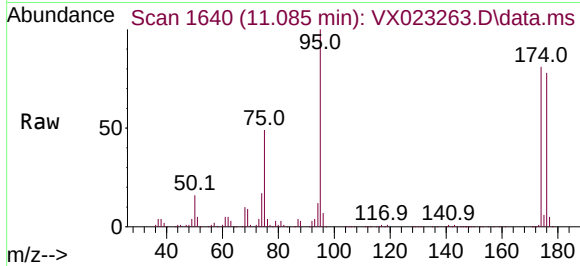




#81
trans-1,4-Dichloro-2-butene
Concen: 74.884 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 84443
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 2.854 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023263.D
Acq: 13 Jul 2021 14:53

Tgt Ion:128 Resp: 18286
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.8 8.8 13.2

