

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023787.D
 Acq On : 18 Aug 2021 01:30
 Operator : JC/MD
 Sample : M3424-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

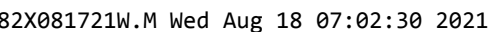
Instrument :
 MSVOA_X
 ClientSampleId :
 19N

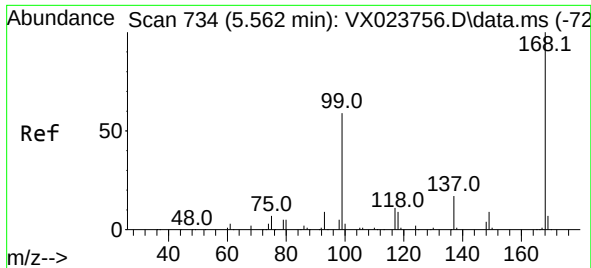
Quant Time: Aug 18 07:02:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	138040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	239191	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94782	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99874	51.839	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.680%
35) Dibromofluoromethane	5.397	113	79457	50.189	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.380%
50) Toluene-d8	8.653	98	301172	49.983	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.960%
62) 4-Bromofluorobenzene	11.085	95	104090	46.926	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.860%
Target Compounds						Qvalue
5) Bromomethane	1.618	94	391	0.399	ug/l	# 65
6) Chloroethane	1.648	64	437	2.538	ug/l	# 43
10) Methyl Iodide	2.465	142	528	0.274	ug/l	# 90
11) Tert butyl alcohol	2.971	59	309	0.793	ug/l	# 73
13) Acrolein	2.227	56	85	0.367	ug/l	87
16) Acetone	2.392	43	12775	14.830	ug/l	92
18) Methyl Acetate	2.709	43	1101	0.512	ug/l	# 76
20) Methylene Chloride	2.794	84	10811	6.570	ug/l	94
25) 2-Butanone	4.580	43	1868	1.432	ug/l	# 74
29) Tetrahydrofuran	5.044	42	702	0.831	ug/l	# 53
31) Cyclohexane	5.556	56	3154	1.274	ug/l	# 45
36) 1,1-Dichloropropene	5.562	75	10946	4.942	ug/l	# 48
38) Carbon Tetrachloride	5.562	117	13894	6.015	ug/l	# 16
43) Isopropyl Acetate	6.348	43	19109	4.487	ug/l	92
48) Methyl methacrylate	7.604	41	5518	2.656	ug/l	# 10
49) 1,4-Dioxane	7.806	88	215	4.896	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	70012	25.430	ug/l	# 44
54) cis-1,3-Dichloropropene	8.555	75	29461	11.104	ug/l	# 71
56) Ethyl methacrylate	9.007	69	127	0.801	ug/l	# 29
57) 1,3-Dichloropropane	9.488	76	17284	5.964	ug/l	# 43
59) 2-Hexanone	9.378	43	7931	3.748	ug/l	# 19
74) N-amyl acetate	10.768	43	669	0.205	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	56604	25.601	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	56604	75.306	ug/l	# 12
95) Naphthalene	13.786	128	247	1.317	ug/l	# 69

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

Quant Time: Aug 18 07:02:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

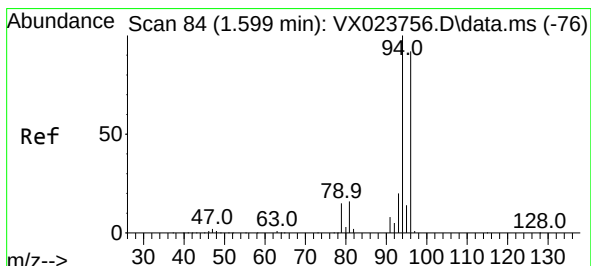
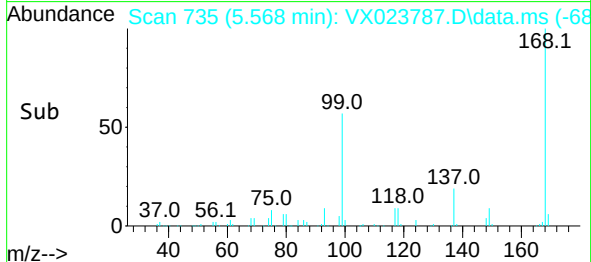
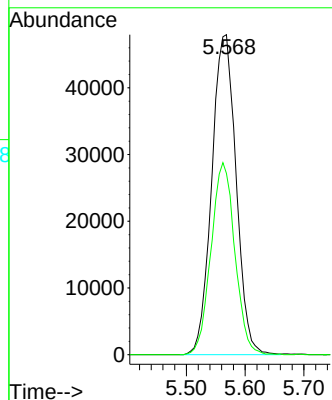
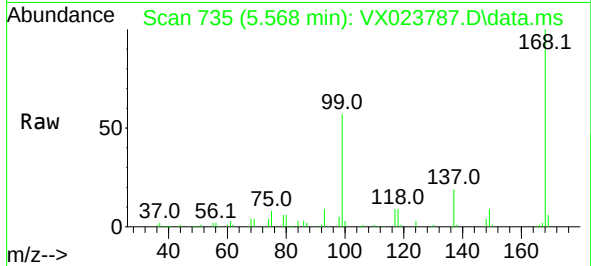




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

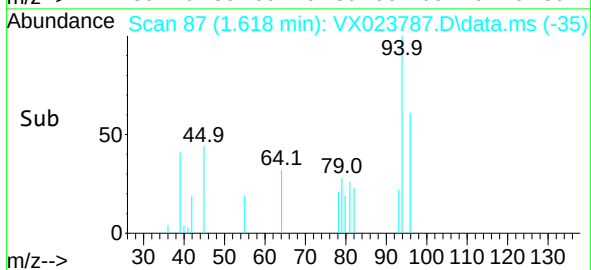
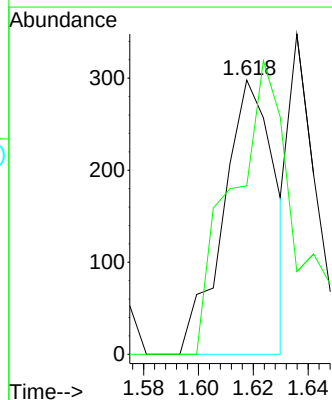
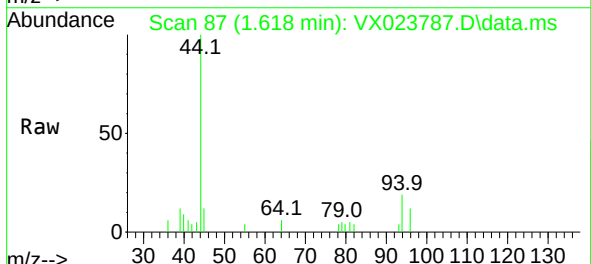
Instrument :
MSVOA_X
ClientSampled :
19N

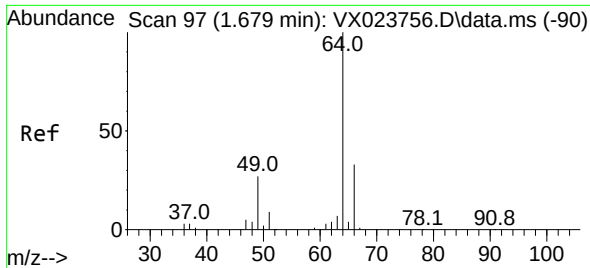
Tgt Ion:168 Resp: 138040
Ion Ratio Lower Upper
168 100
99 56.6 45.8 68.6



#5
Bromomethane
Concen: 0.399 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Tgt Ion: 94 Resp: 391
Ion Ratio Lower Upper
94 100
96 61.4 76.4 114.6#

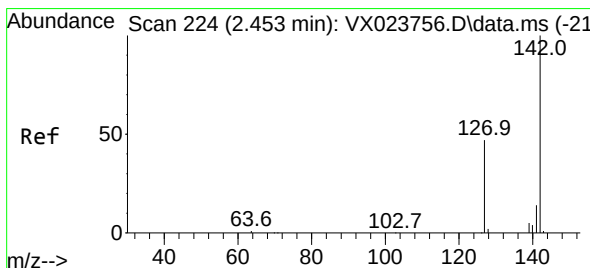
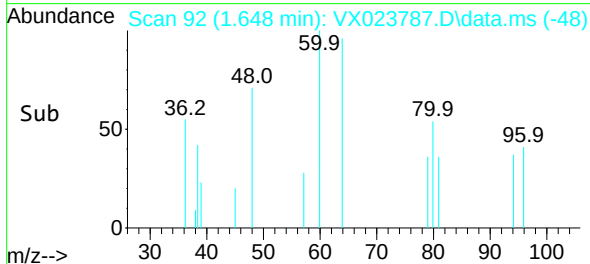
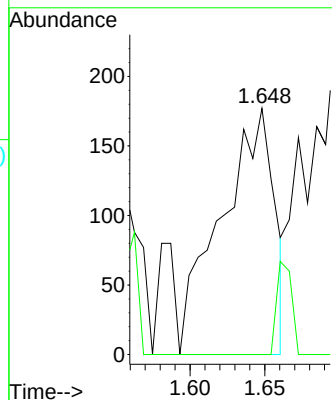
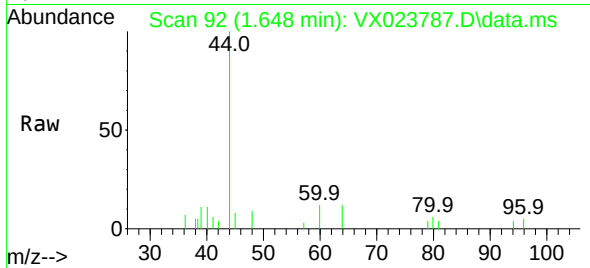




#6
Chloroethane
Concen: 2.538 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.031 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

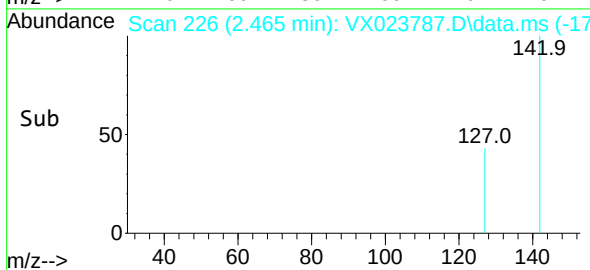
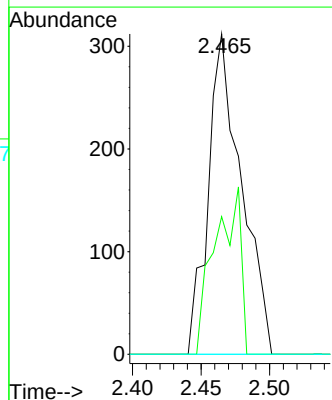
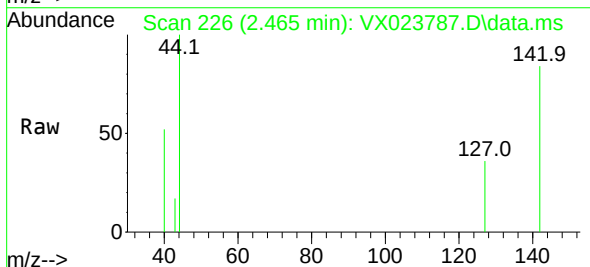
Instrument :
MSVOA_X
ClientSampled :
19N

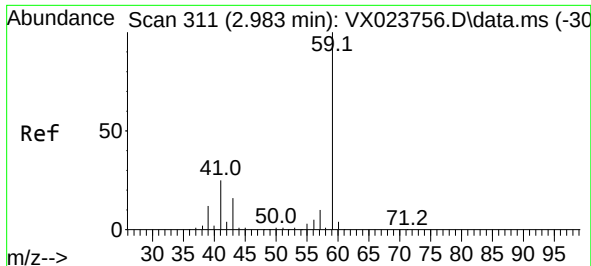
Tgt Ion: 64 Resp: 437
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.274 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Tgt Ion: 142 Resp: 528
Ion Ratio Lower Upper
142 100
127 40.7 33.3 49.9
141 0.0 11.4 17.0#



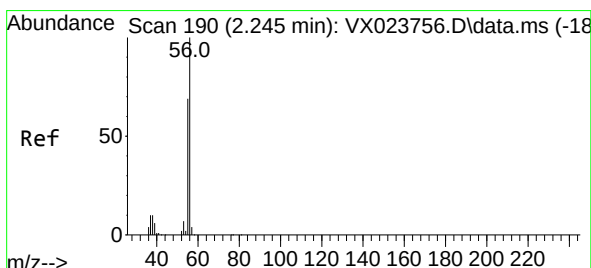
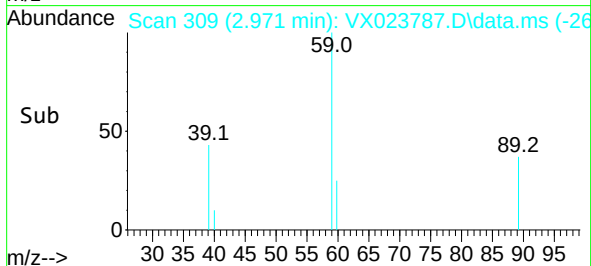
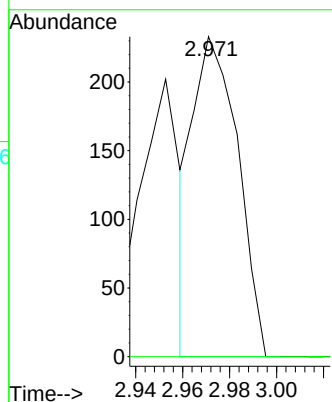
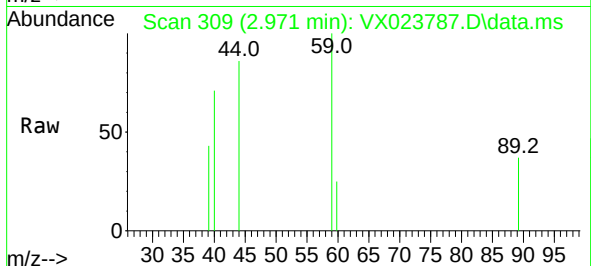


#11

Tert butyl alcohol
Concen: 0.793 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Instrument :
MSVOA_X
ClientSampled :
19N

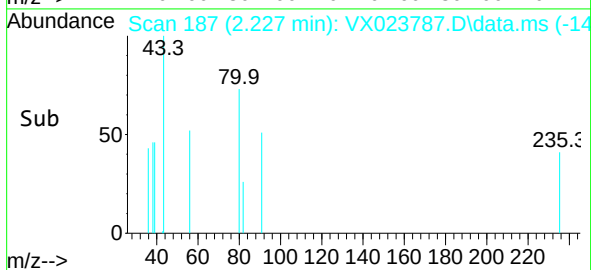
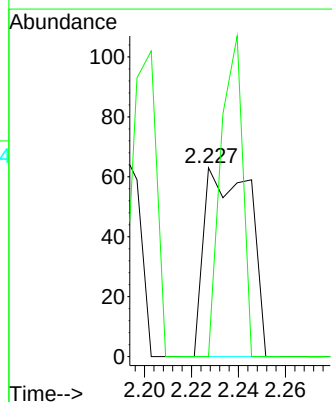
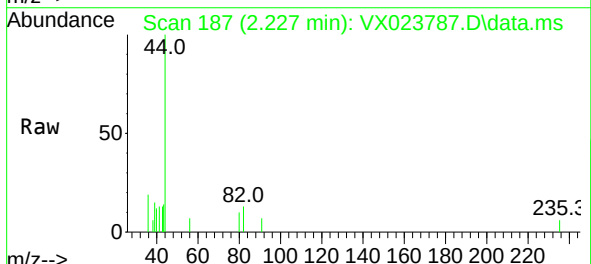
Tgt Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

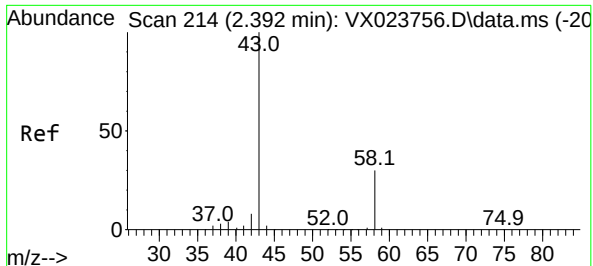


#13

Acrolein
Concen: 0.367 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.018 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Tgt Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
55 81.2 56.4 84.6

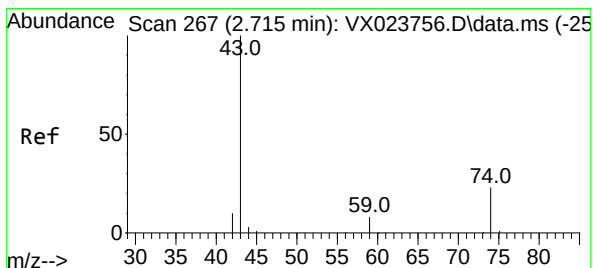
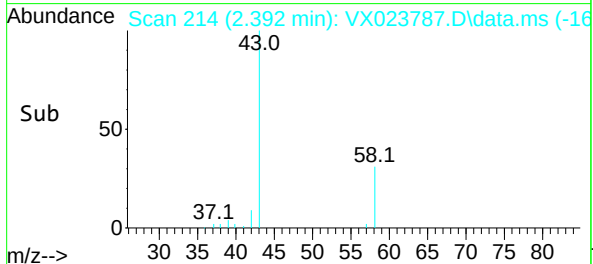
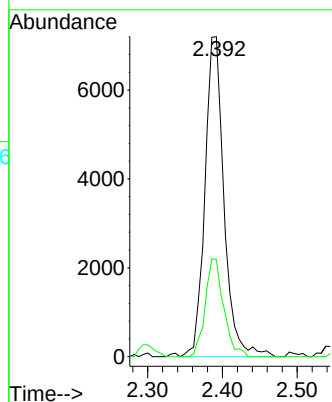
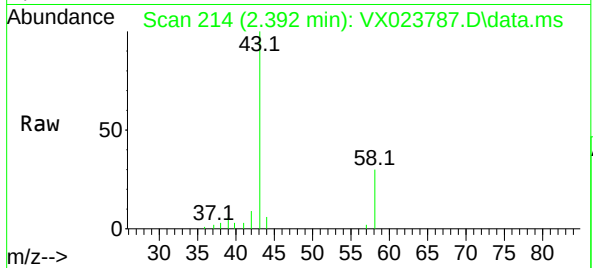




#16
Acetone
Concen: 14.830 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

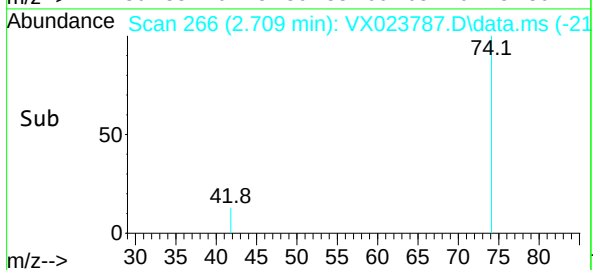
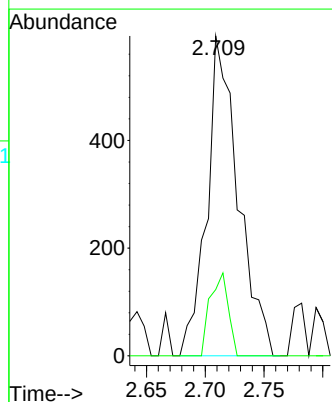
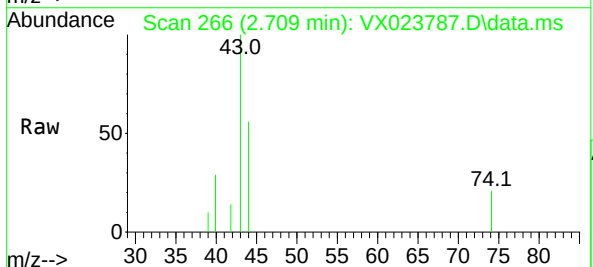
Instrument :
MSVOA_X
ClientSampled :
19N

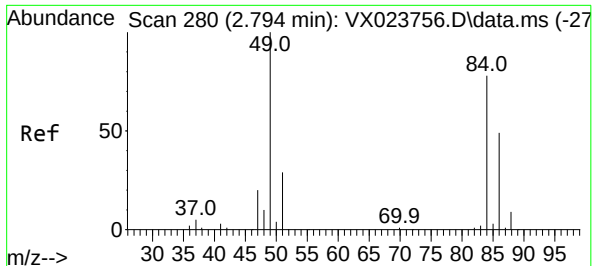
Tgt Ion: 43 Resp: 12775
Ion Ratio Lower Upper
43 100
58 30.3 27.8 41.8



#18
Methyl Acetate
Concen: 0.512 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
74 15.0 21.9 32.9#





#20

Methylene Chloride

Concen: 6.570 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023787.D

Acq: 18 Aug 2021 01:30

Tgt Ion: 84 Resp: 10811

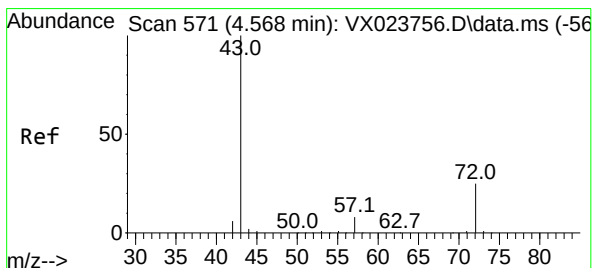
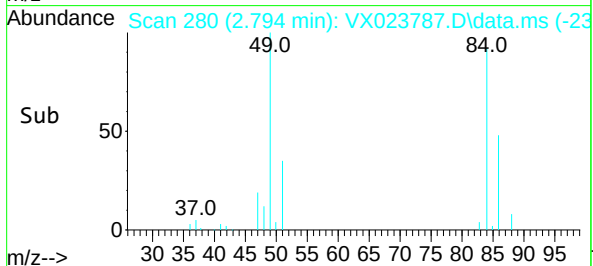
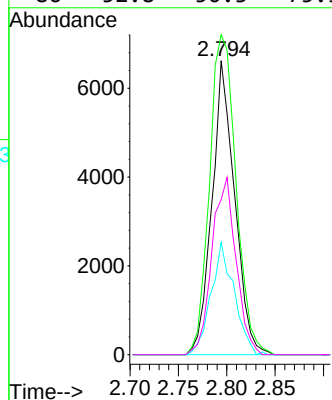
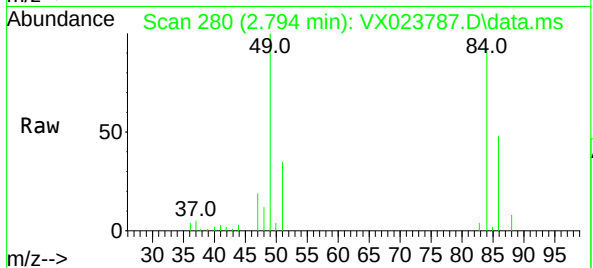
Ion Ratio Lower Upper

84 100

49 108.9 88.6 132.8

51 38.2 27.0 40.6

86 52.8 50.3 75.5



#25

2-Butanone

Concen: 1.432 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023787.D

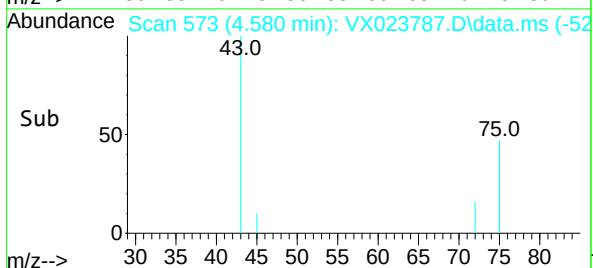
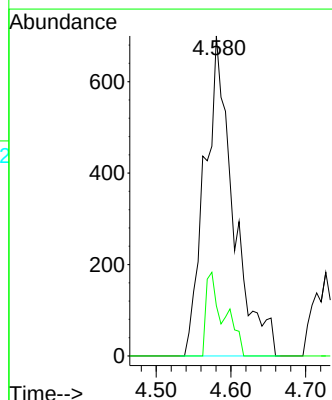
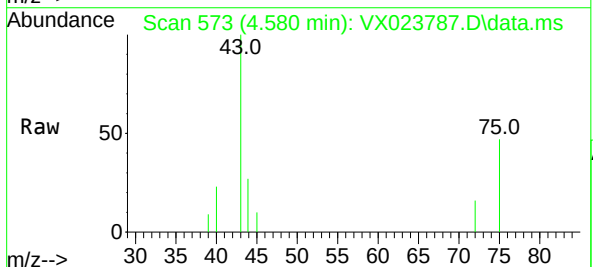
Acq: 18 Aug 2021 01:30

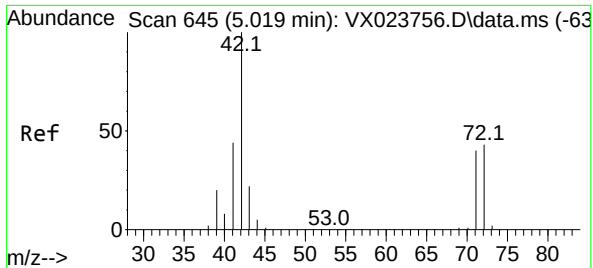
Tgt Ion: 43 Resp: 1868

Ion Ratio Lower Upper

43 100

72 15.7 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.831 ug/l

RT: 5.044 min Scan# 649

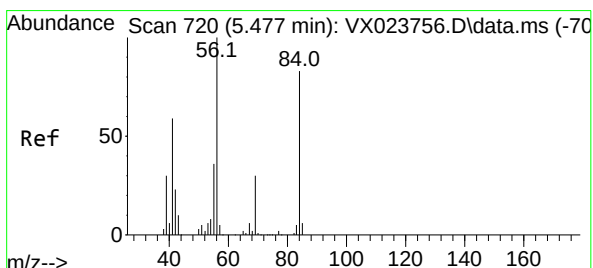
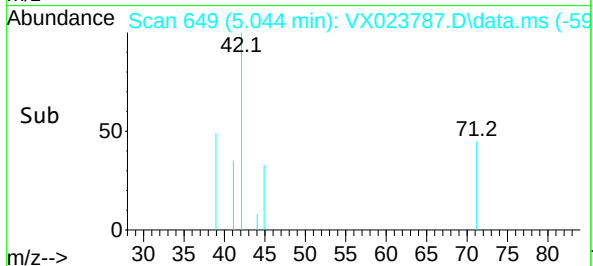
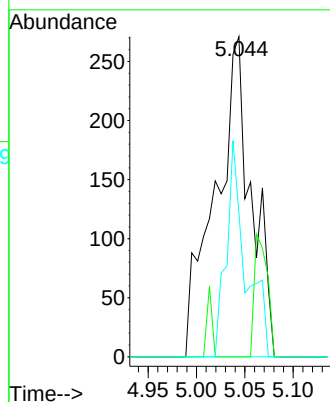
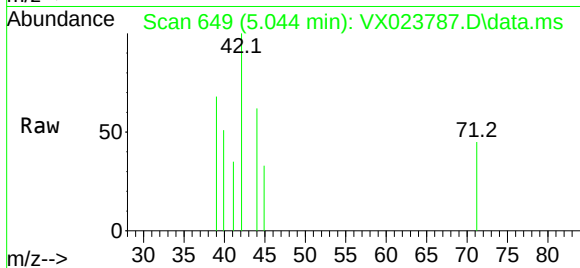
Delta R.T. 0.025 min

Lab File: VX023787.D

Acq: 18 Aug 2021 01:30

Tgt Ion:	42	Resp:	702
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	36.2	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :
19N



#31

Cyclohexane

Concen: 1.274 ug/l

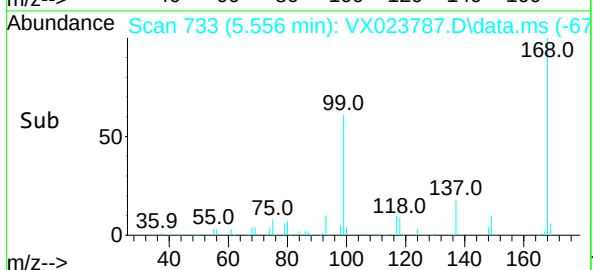
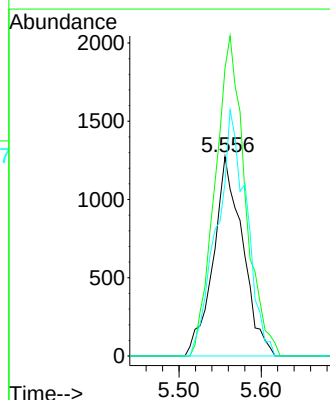
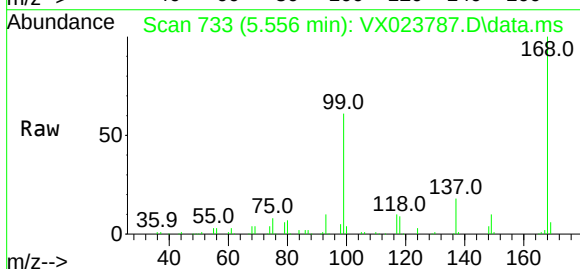
RT: 5.556 min Scan# 733

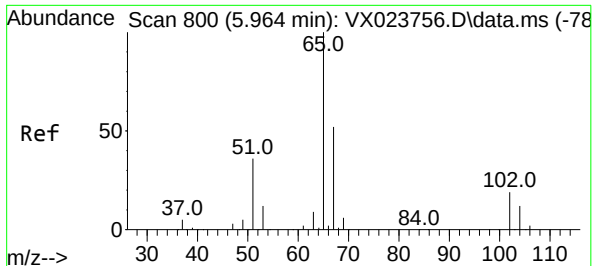
Delta R.T. 0.079 min

Lab File: VX023787.D

Acq: 18 Aug 2021 01:30

Tgt Ion:	56	Resp:	3154
Ion	Ratio	Lower	Upper
56	100		
69	144.5	25.3	37.9#
84	86.8	71.4	107.0

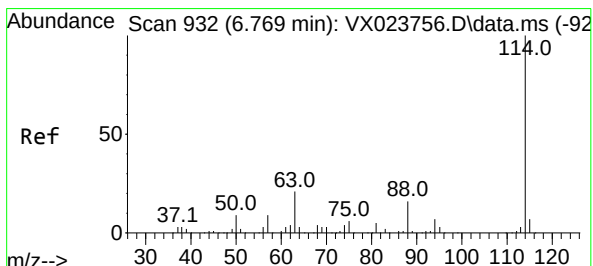
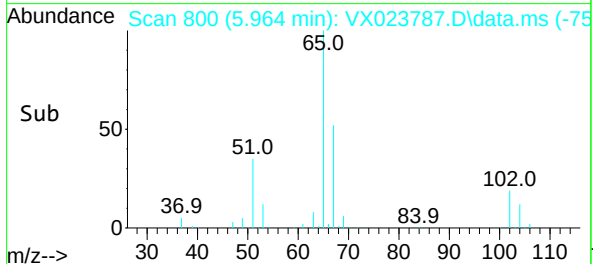
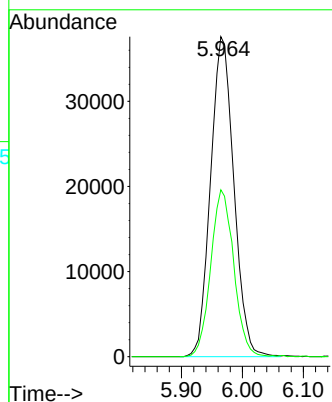
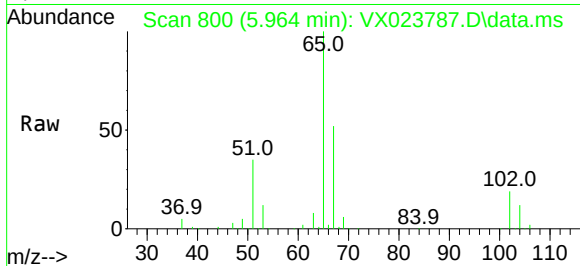




#33
 1,2-Dichloroethane-d4
 Concen: 51.839 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023787.D
 Acq: 18 Aug 2021 01:30

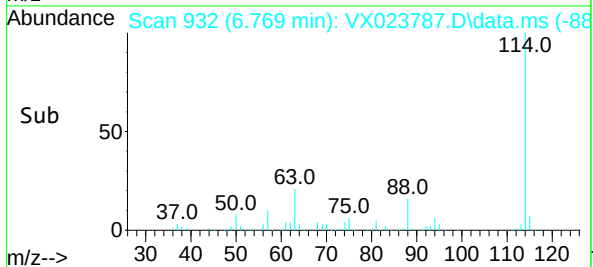
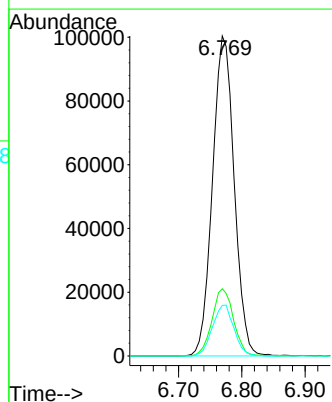
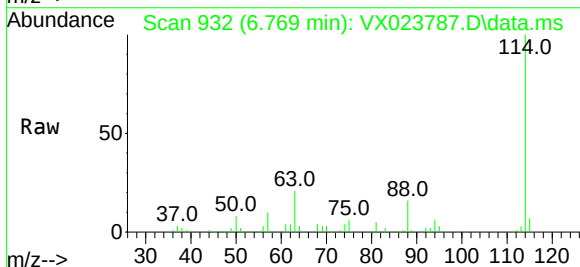
Instrument :
 MSVOA_X
 ClientSampled :
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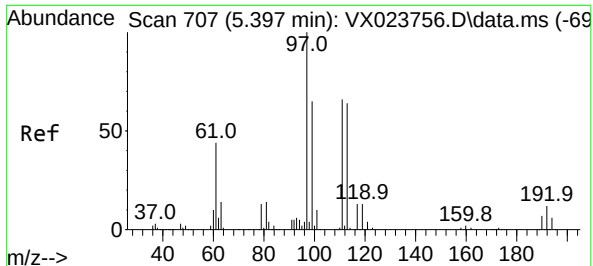
Tgt Ion: 65 Resp: 99874
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023787.D
 Acq: 18 Aug 2021 01:30

Tgt Ion: 114 Resp: 239191
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 15.8 0.0 32.8

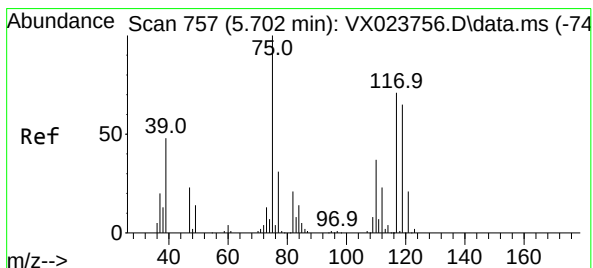
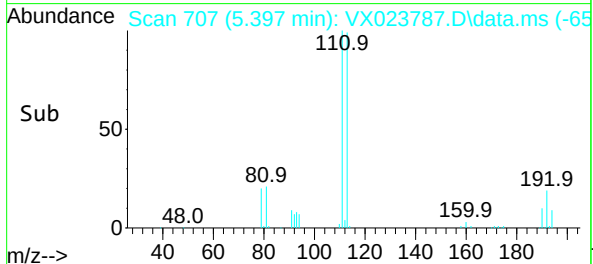
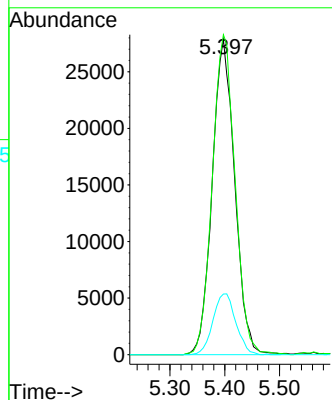
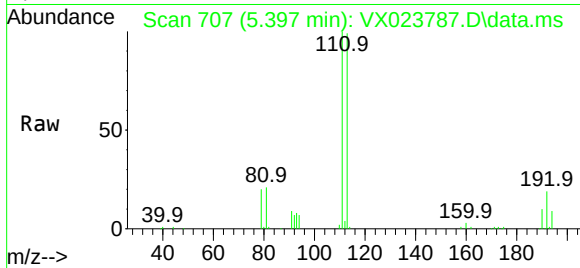




#35
Dibromofluoromethane
Concen: 50.189 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

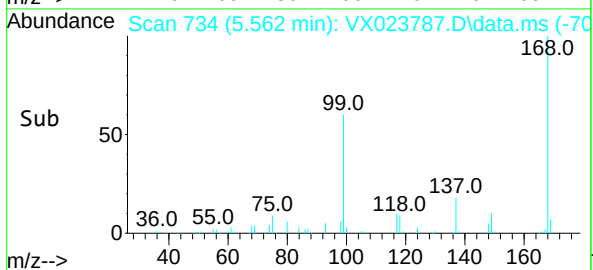
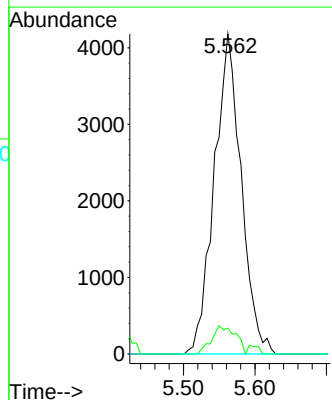
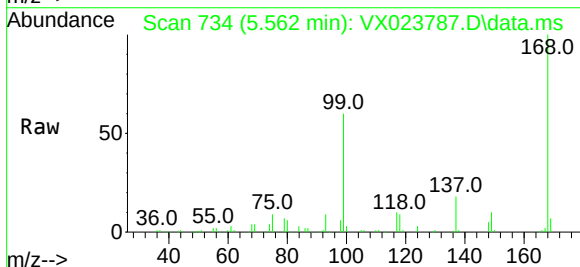
Instrument :
MSVOA_X
ClientSampled :
19N

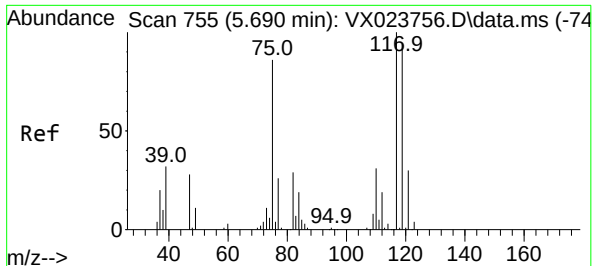
Tgt Ion:113 Resp: 79457
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 19.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.942 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

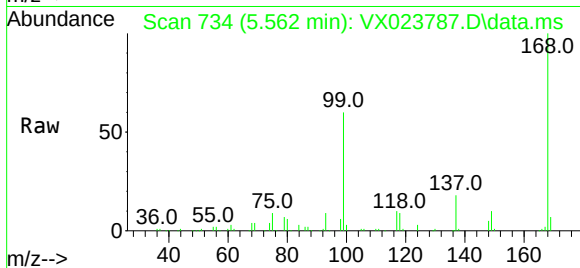
Tgt Ion: 75 Resp: 10946
Ion Ratio Lower Upper
75 100
110 7.8 18.1 54.4#
77 0.0 25.3 37.9#



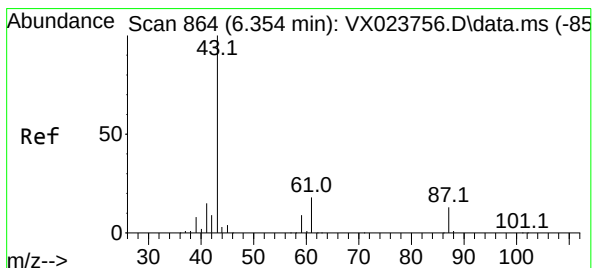
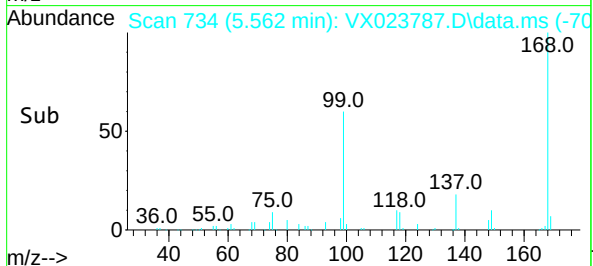
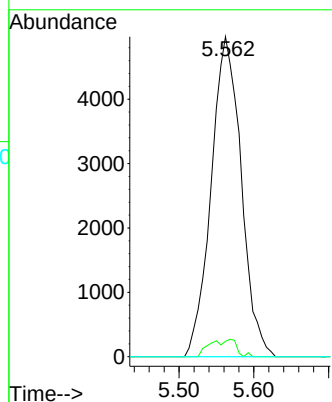


#38
Carbon Tetrachloride
Concen: 6.015 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Instrument :
MSVOA_X
ClientSampled :
19N

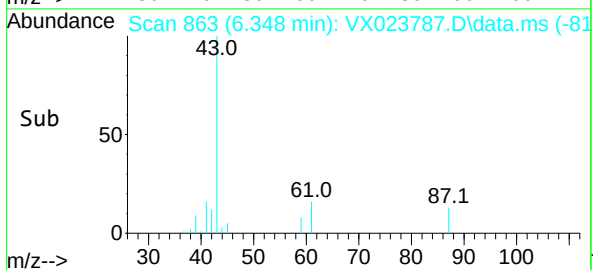
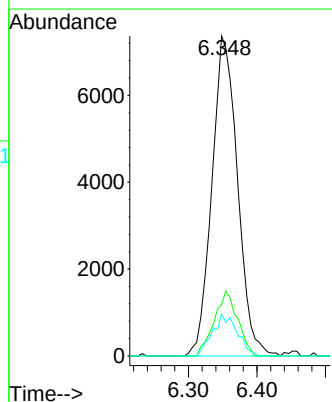
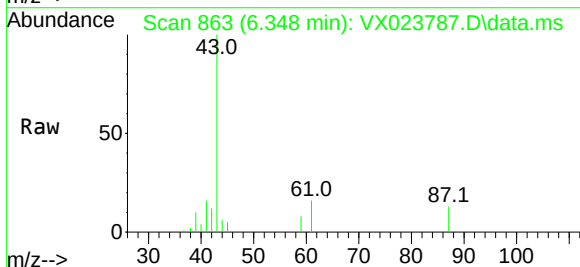


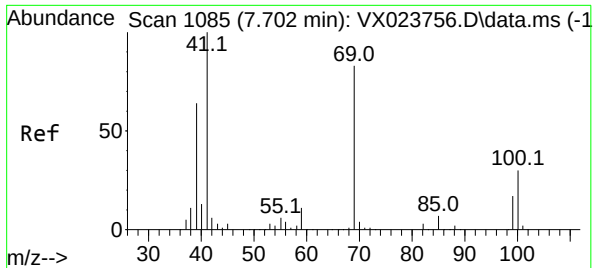
Tgt Ion:117 Resp: 13894
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 4.487 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Tgt Ion: 43 Resp: 19109
Ion Ratio Lower Upper
43 100
61 18.6 18.2 27.4
87 12.6 12.5 18.7

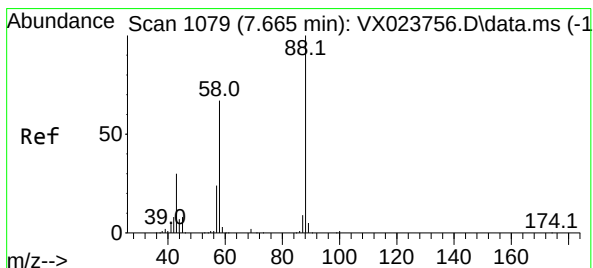
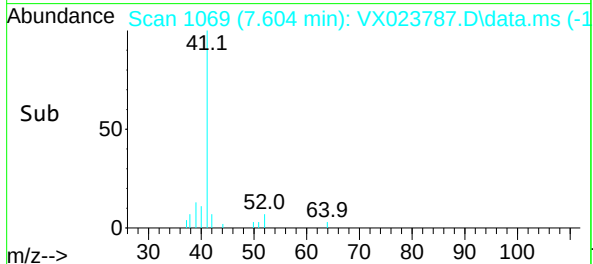
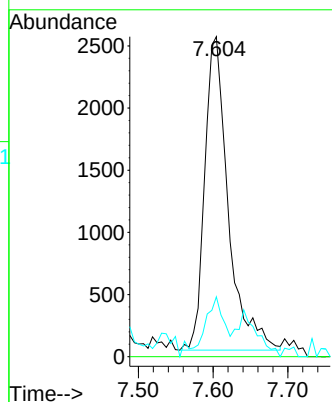
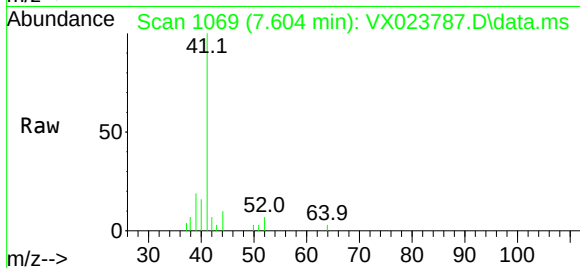




#48
Methyl methacrylate
Concen: 2.656 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

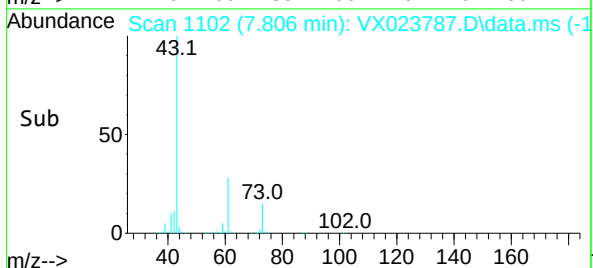
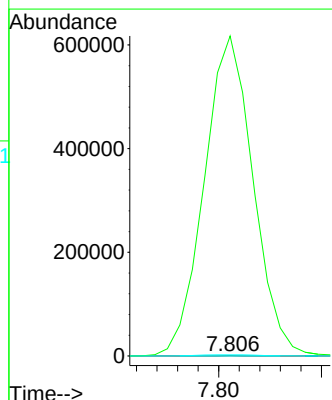
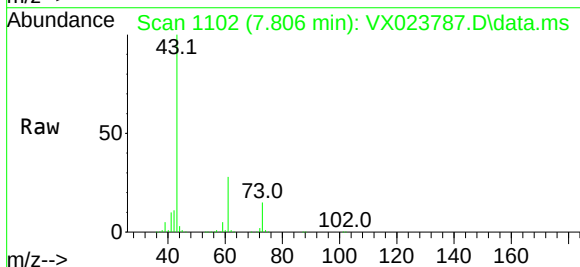
Instrument :
MSVOA_X
ClientSampled :
19N

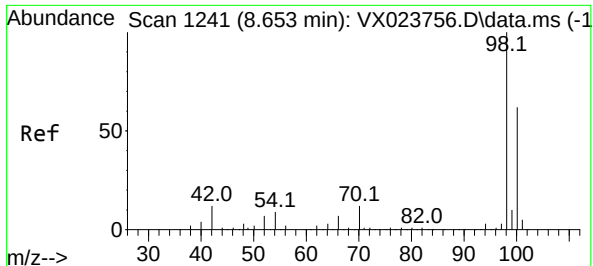
Tgt Ion: 41 Resp: 5518
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 4.896 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Tgt Ion: 88 Resp: 215
Ion Ratio Lower Upper
88 100
43 478256.7 23.2 34.8#
58 2195.3 55.0 82.4#

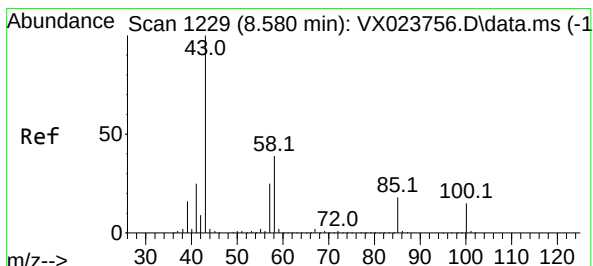
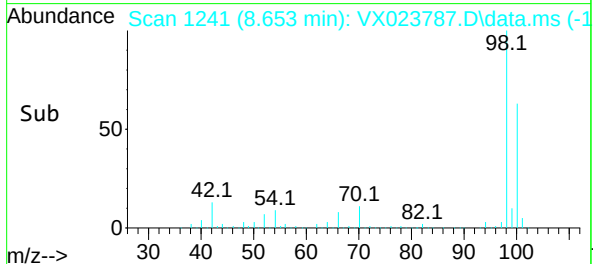
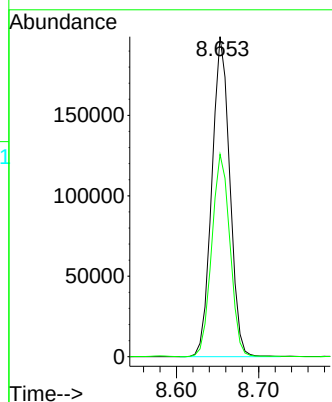
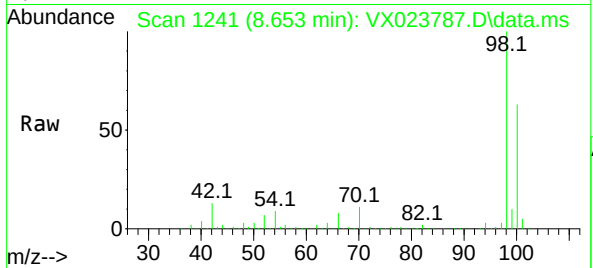




#50
Toluene-d8
Concen: 49.983 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

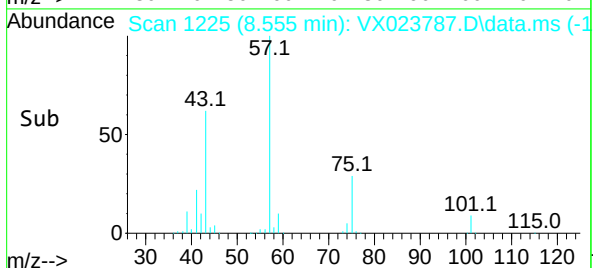
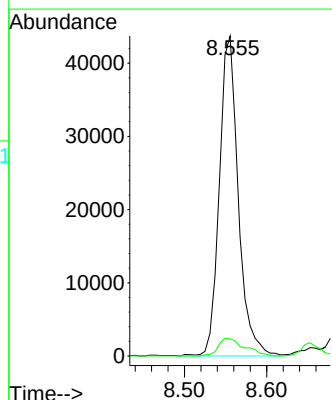
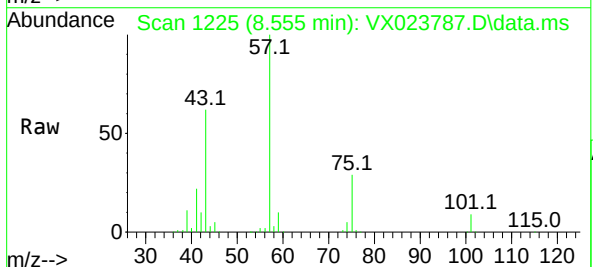
Instrument :
MSVOA_X
ClientSampled :
19N

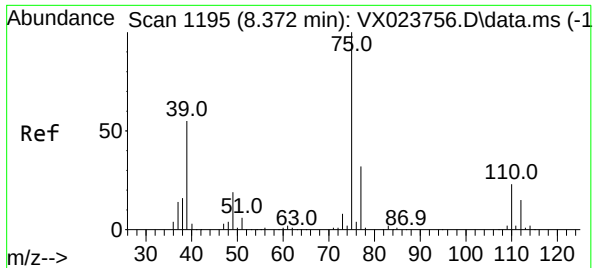
Tgt Ion: 98 Resp: 301172
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 25.430 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Tgt Ion: 43 Resp: 70012
Ion Ratio Lower Upper
43 100
58 7.7 35.4 53.0#

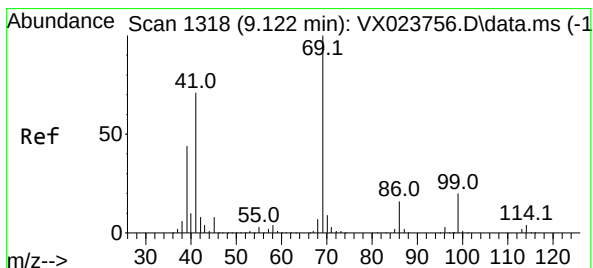
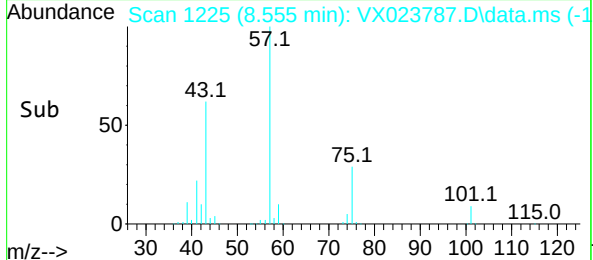
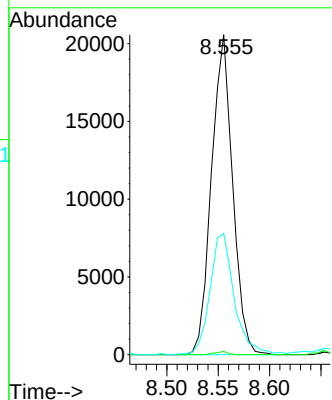
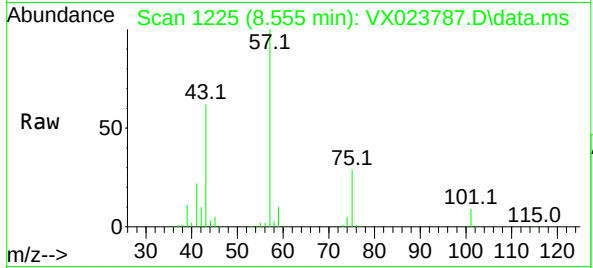




#54
cis-1,3-Dichloropropene
Concen: 11.104 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

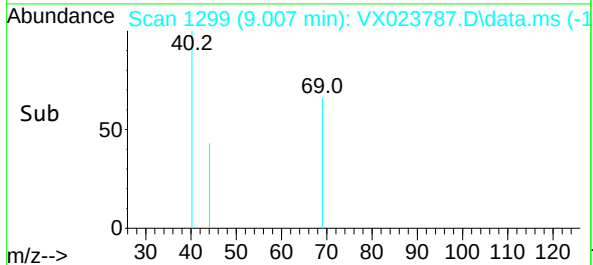
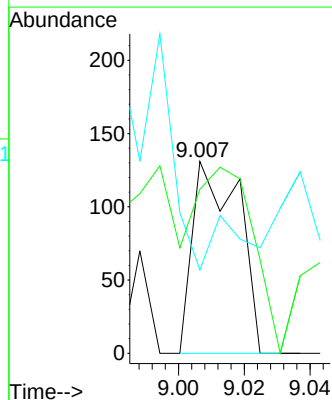
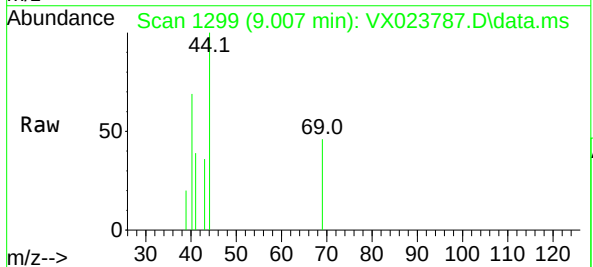
Instrument :
MSVOA_X
ClientSampled :
19N

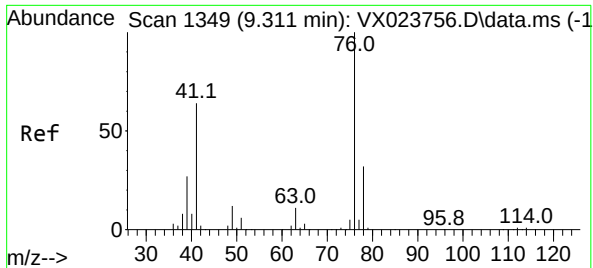
Tgt Ion: 75 Resp: 29461
Ion Ratio Lower Upper
75 100
77 1.0 25.7 38.5#
39 37.6 35.1 52.7



#56
Ethyl methacrylate
Concen: 0.801 ug/l
RT: 9.007 min Scan# 1299
Delta R.T. -0.115 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Tgt Ion: 69 Resp: 127
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#

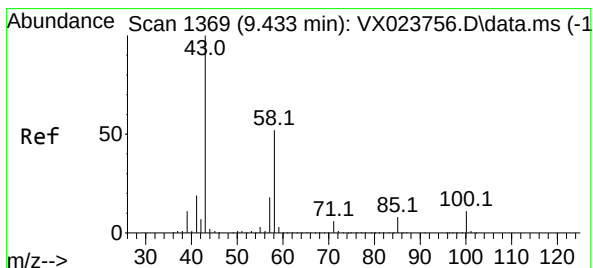
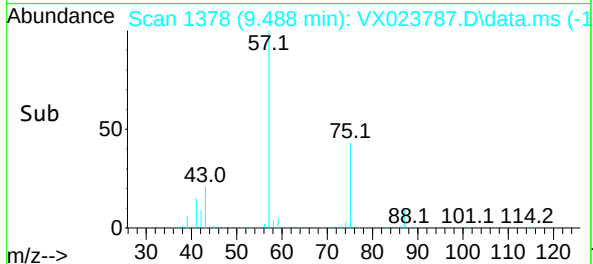
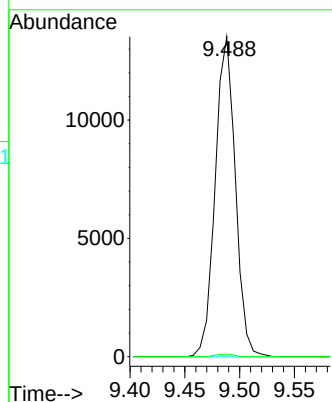
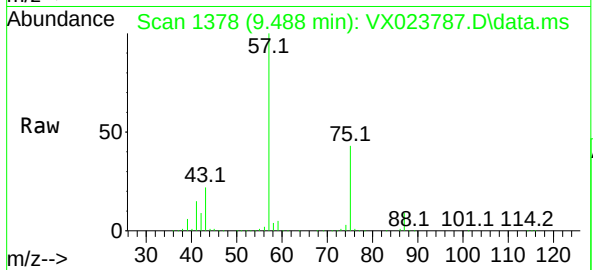




#57
1,3-Dichloropropane
Concen: 5.964 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

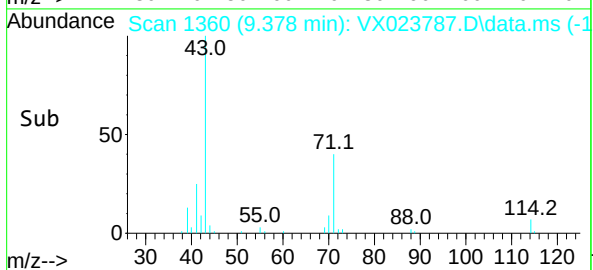
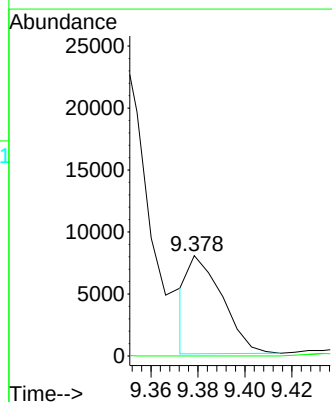
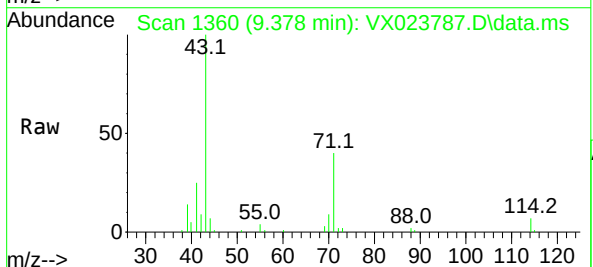
Instrument :
MSVOA_X
ClientSampled :
19N

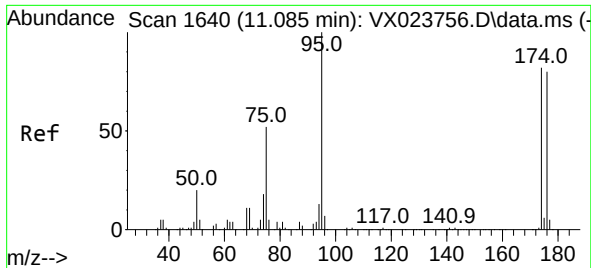
Tgt Ion: 76 Resp: 17284
Ion Ratio Lower Upper
76 100
78 0.7 26.2 39.2#



#59
2-Hexanone
Concen: 3.748 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Tgt Ion: 43 Resp: 7931
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

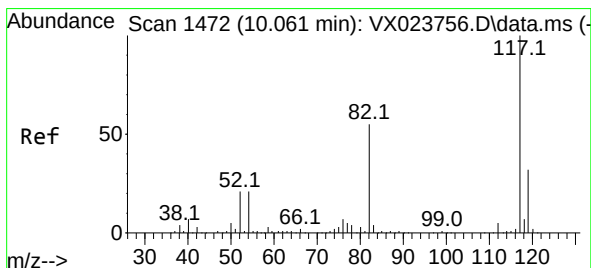
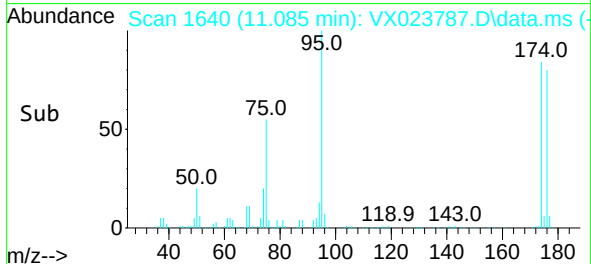
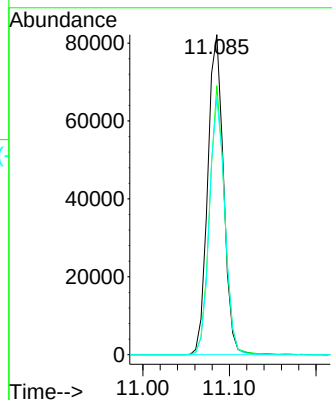
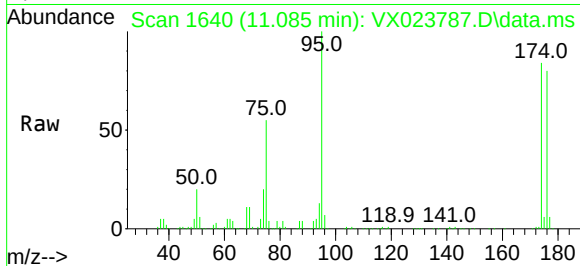




#62
4-Bromofluorobenzene
Concen: 46.926 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

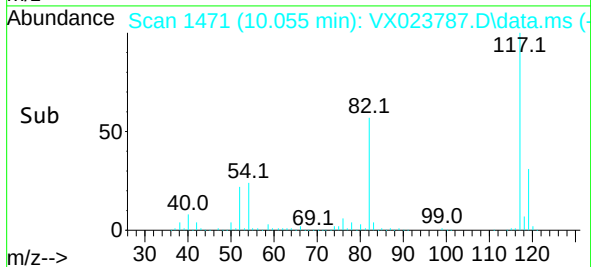
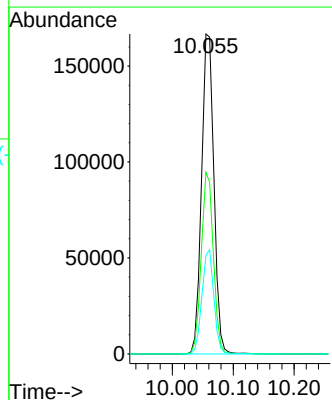
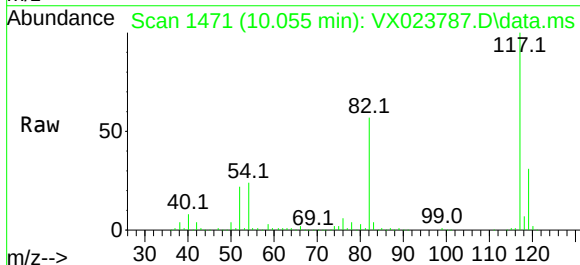
Instrument :
MSVOA_X
ClientSampled :
19N

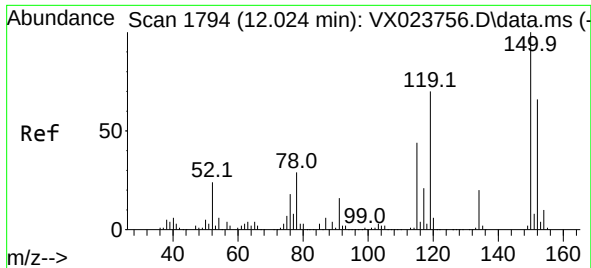
Tgt Ion: 95 Resp: 104090
Ion Ratio Lower Upper
95 100
174 80.0 0.0 154.6
176 78.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Tgt Ion: 117 Resp: 235346
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 30.8 26.6 39.8

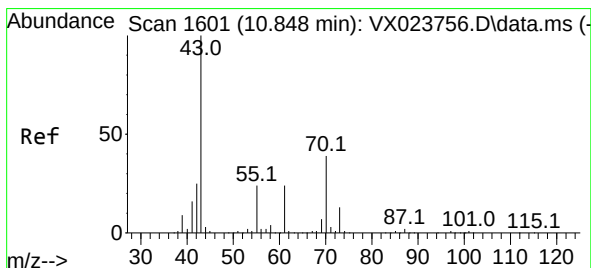
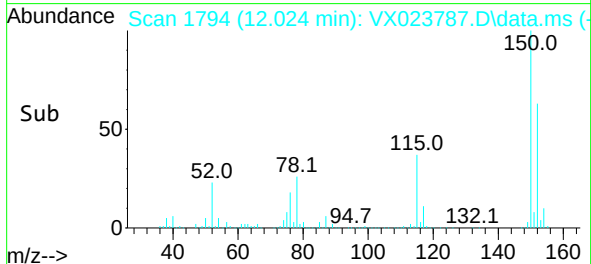
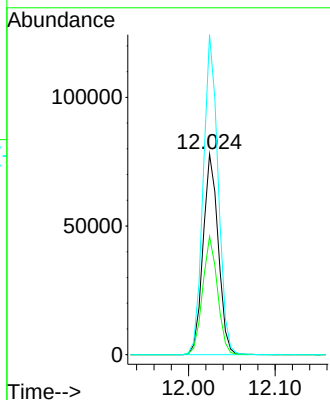
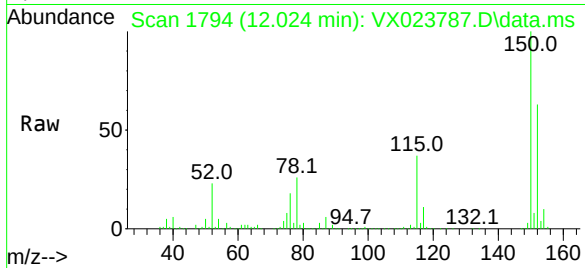




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

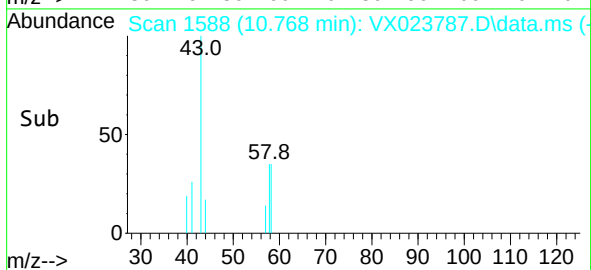
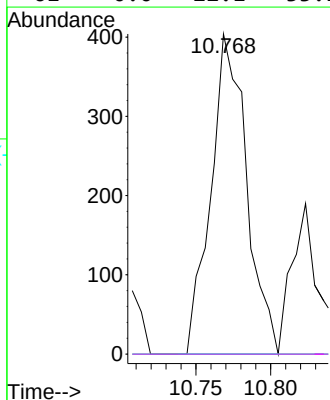
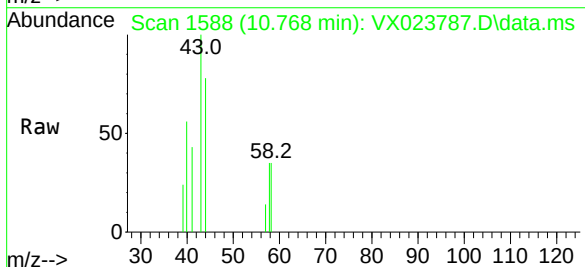
Instrument :
MSVOA_X
ClientSampled :
19N

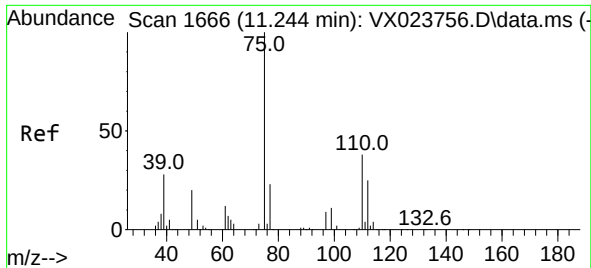
Tgt Ion:152 Resp: 94782
Ion Ratio Lower Upper
152 100
115 57.8 41.1 123.3
150 156.2 0.0 349.0



#74
N-ethyl acetate
Concen: 0.205 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

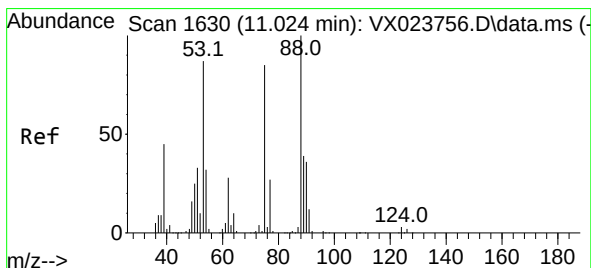
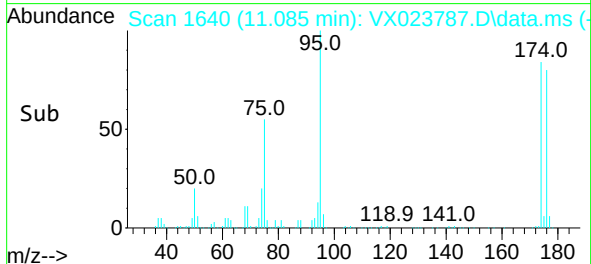
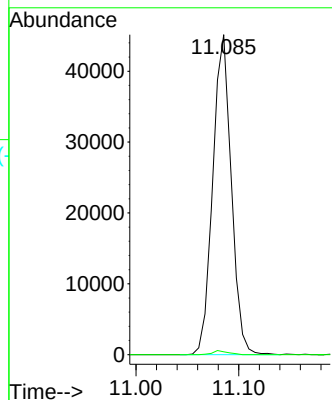
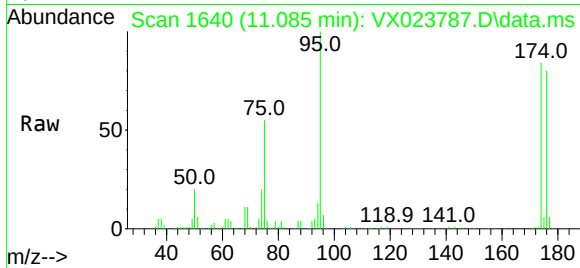




#76
1,2,3-Trichloropropane
Concen: 25.601 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

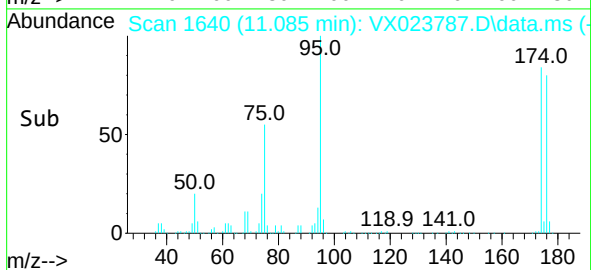
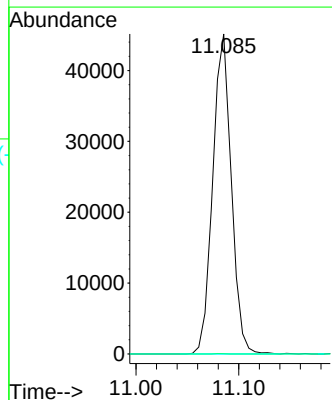
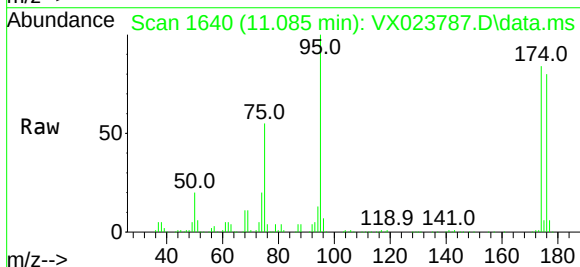
Instrument :
MSVOA_X
ClientSampled :
19N

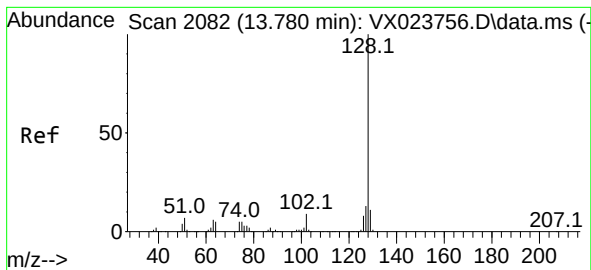
Tgt Ion: 75 Resp: 56604
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.306 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

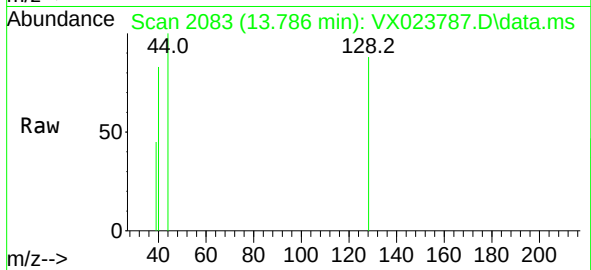
Tgt Ion: 75 Resp: 56604
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.317 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023787.D
Acq: 18 Aug 2021 01:30

Instrument :
MSVOA_X
ClientSampleId :
19N



Tgt Ion:128 Resp: 247
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

