

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082021\
 Data File : VX023859.D
 Acq On : 19 Aug 2021 23:41
 Operator : JC/MD
 Sample : M3468-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SAMPLE-10-(410.75)

Quant Time: Aug 20 03:17:17 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)

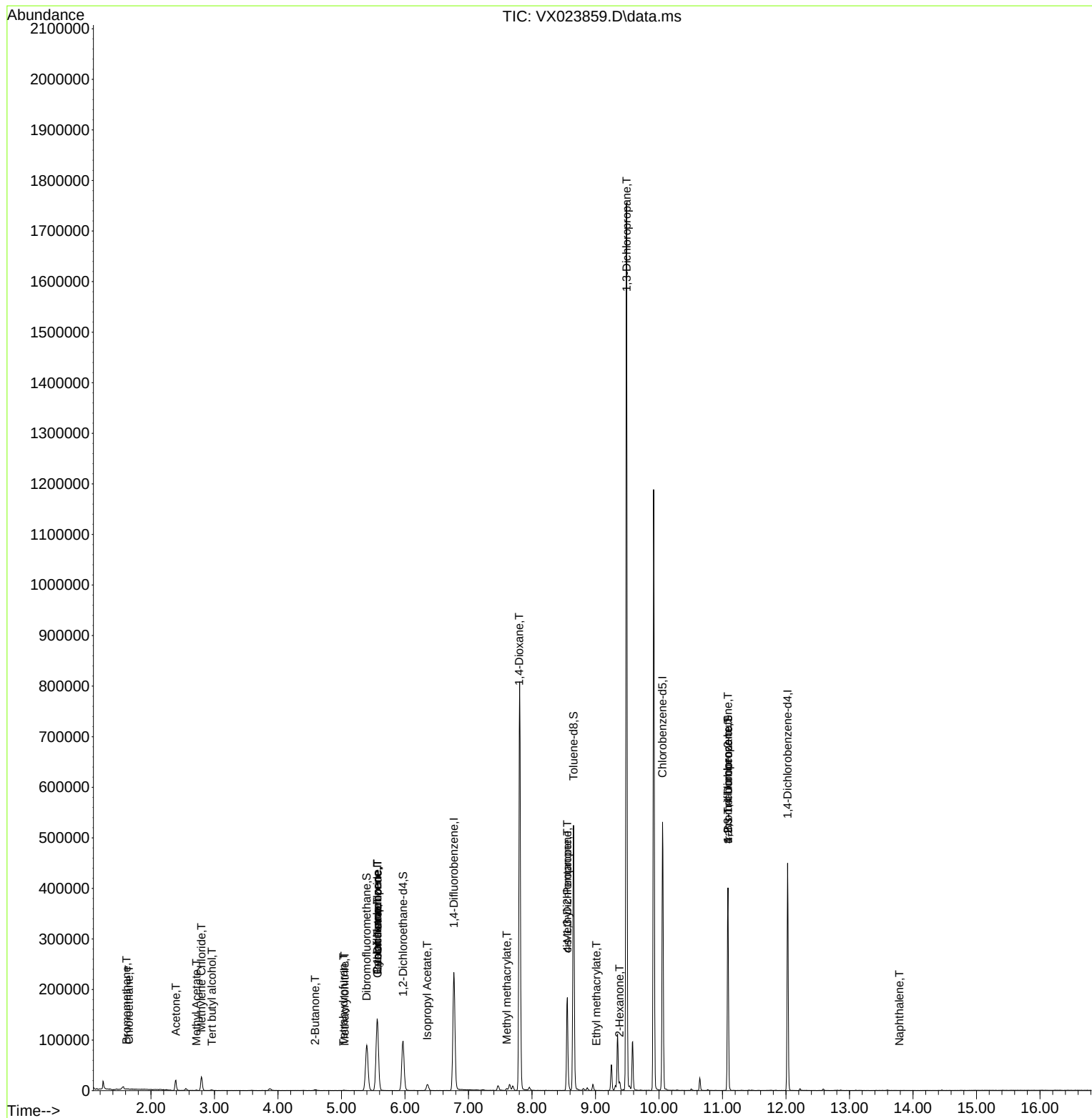
Internal Standards						
1) Pentafluorobenzene	5.562	168	130974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	229537	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	96410	52.741	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.480%			
35) Dibromofluoromethane	5.397	113	74640	49.130	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.260%			
50) Toluene-d8	8.653	98	287975	49.802	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.600%			
62) 4-Bromofluorobenzene	11.085	95	97969	46.024	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.040%			
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	240	0.258	ug/l #	38
6) Chloroethane	1.654	64	193	2.367	ug/l #	53
11) Tert butyl alcohol	2.959	59	941	2.545	ug/l #	73
16) Acetone	2.392	43	21600	26.427	ug/l	95
18) Methyl Acetate	2.715	43	1106	0.542	ug/l #	66
20) Methylene Chloride	2.794	84	11645	7.459	ug/l	86
25) 2-Butanone	4.587	43	2560	2.068	ug/l #	73
29) Tetrahydrofuran	5.032	42	225	0.281	ug/l #	39
31) Cyclohexane	5.562	56	3248	1.383	ug/l #	30
36) 1,1-Dichloropropene	5.562	75	10467	4.924	ug/l #	49
38) Carbon Tetrachloride	5.568	117	13180	5.946	ug/l #	16
41) Methacrylonitrile	5.050	41	506	0.357	ug/l #	42
43) Isopropyl Acetate	6.348	43	16188	3.961	ug/l	93
48) Methyl methacrylate	7.604	41	5524	2.771	ug/l #	10
49) 1,4-Dioxane	7.799	88	133	3.156	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	65460	24.777	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	27273	10.712	ug/l #	72
56) Ethyl methacrylate	9.013	69	120	0.801	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	13868	4.986	ug/l #	42
59) 2-Hexanone	9.378	43	9512	4.684	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	53017	25.610	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	53017	75.333	ug/l #	12
95) Naphthalene	13.786	128	109	1.299	ug/l #	69

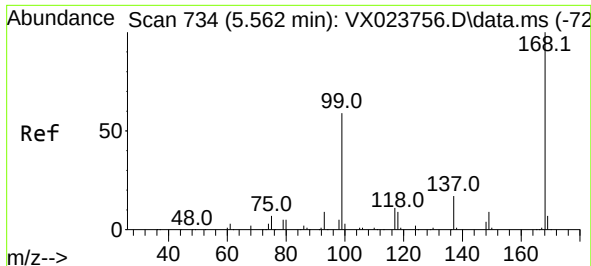
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
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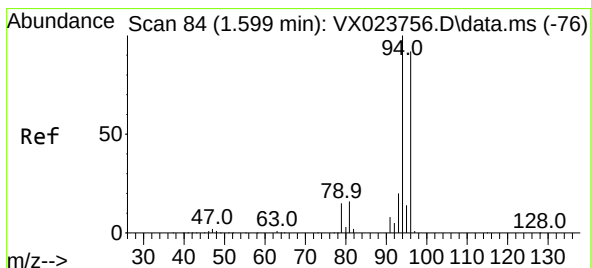
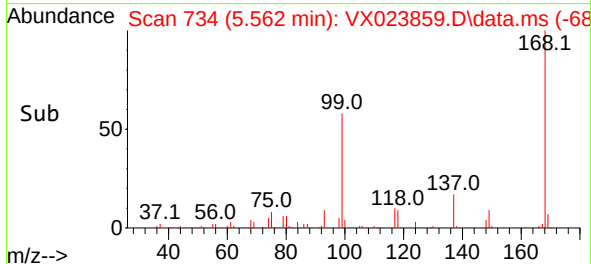
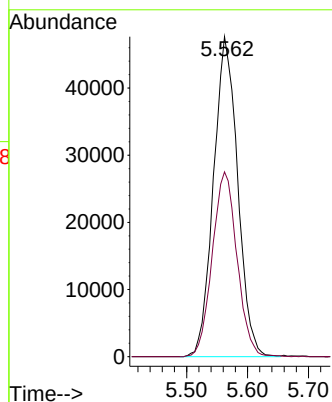
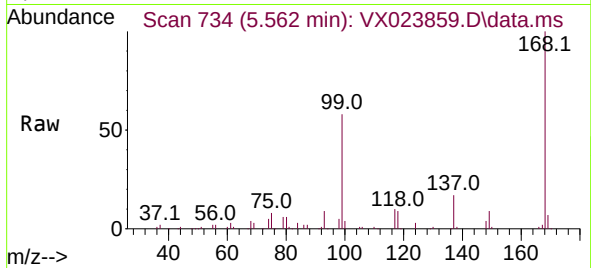




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

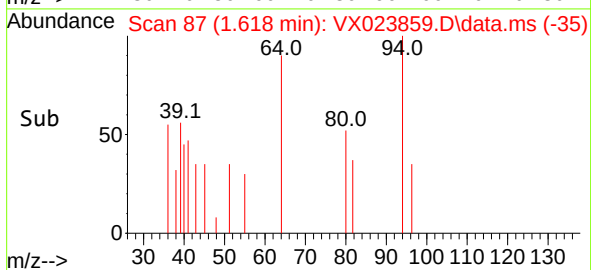
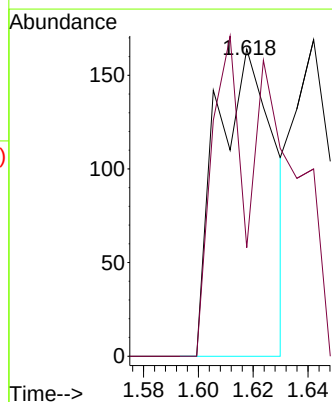
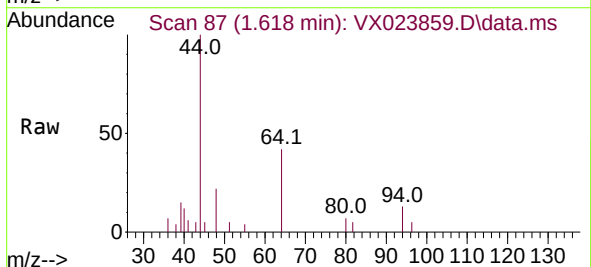
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-10-(410.75)

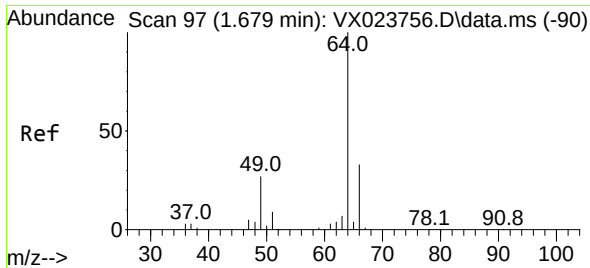
Tgt Ion:168 Resp: 130974
Ion Ratio Lower Upper
168 100
99 57.8 45.8 68.6



#5
Bromomethane
Concen: 0.258 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 35.4 76.4 114.6#

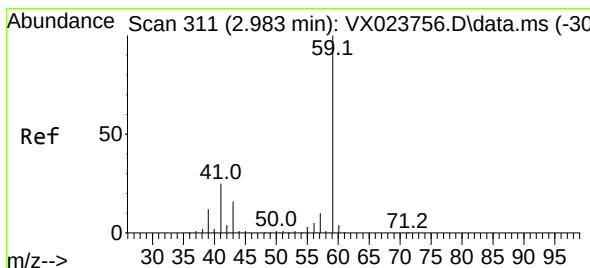
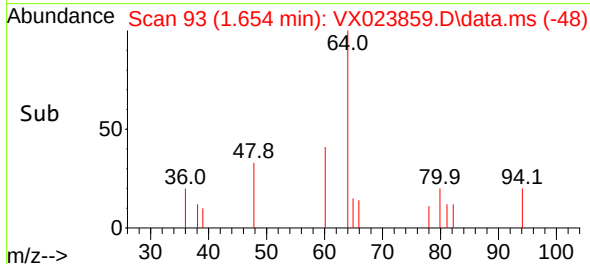
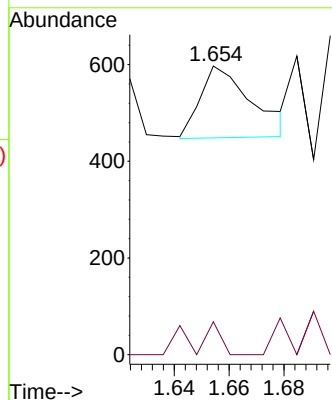
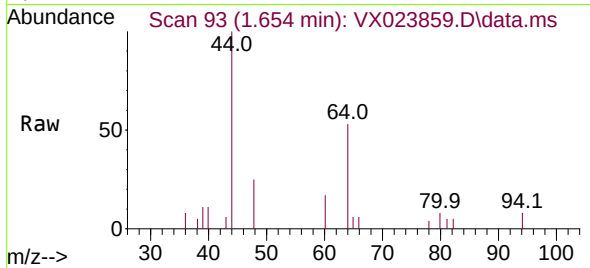




#6
Chloroethane
Concen: 2.367 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.025 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

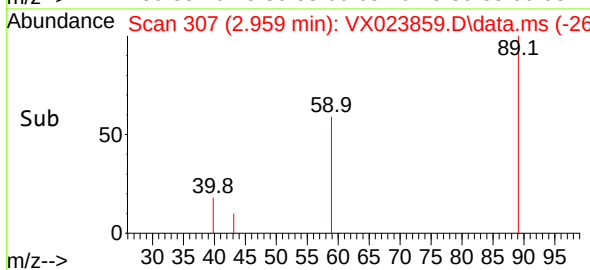
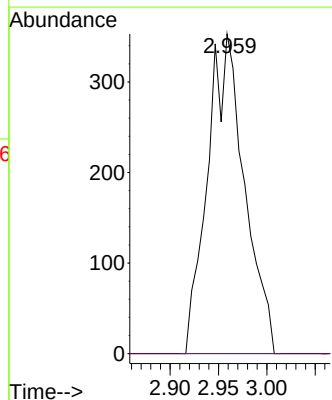
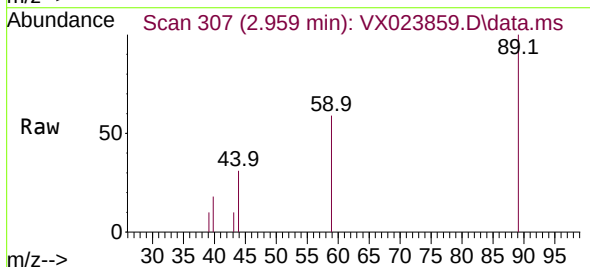
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-10-(410.75)

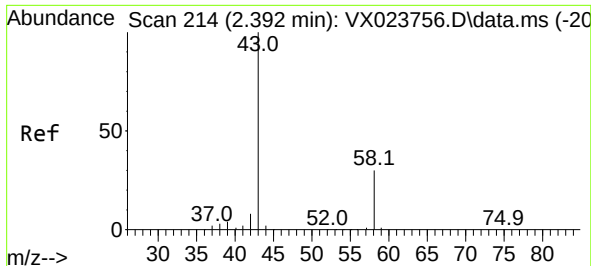
Tgt Ion: 64 Resp: 193
Ion Ratio Lower Upper
64 100
66 5.5 25.4 38.0#



#11
Tert butyl alcohol
Concen: 2.545 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

Tgt Ion: 59 Resp: 941
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

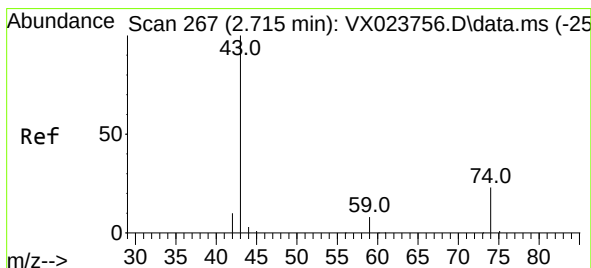
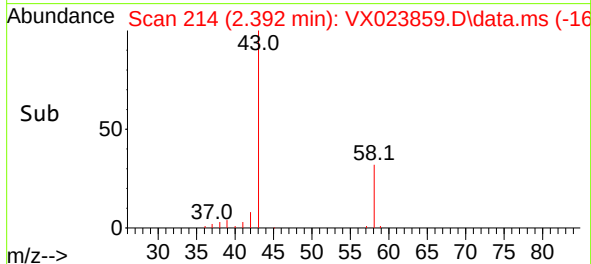
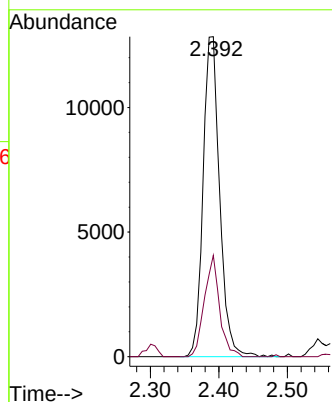
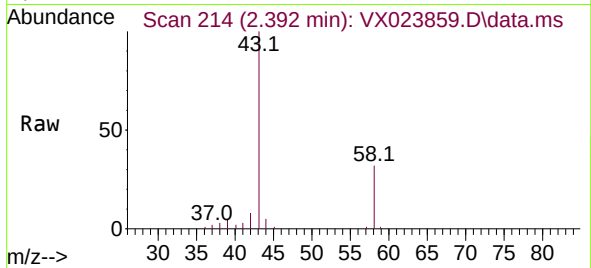




#16
Acetone
Concen: 26.427 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

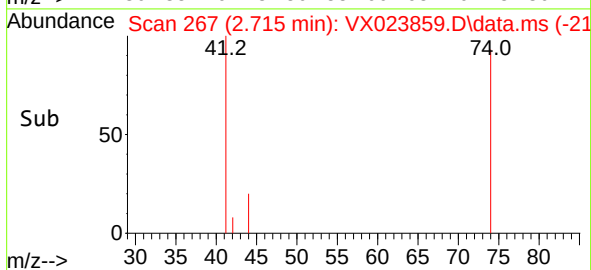
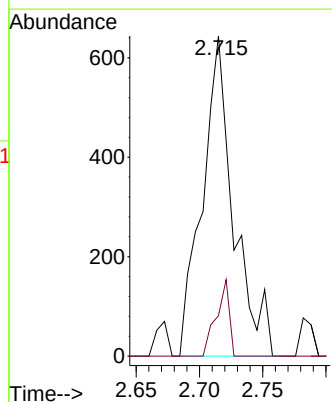
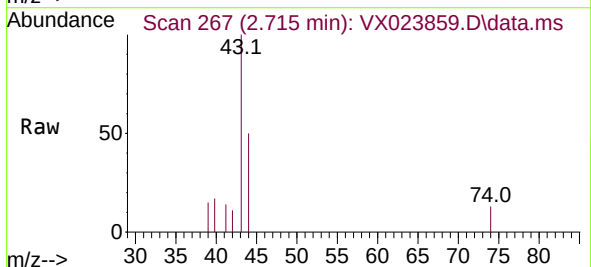
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-10-(410.75)

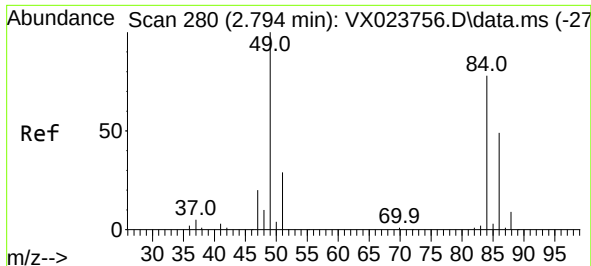
Tgt Ion: 43 Resp: 21600
Ion Ratio Lower Upper
43 100
58 31.6 27.8 41.8



#18
Methyl Acetate
Concen: 0.542 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

Tgt Ion: 43 Resp: 1106
Ion Ratio Lower Upper
43 100
74 9.9 21.9 32.9#





#20

Methylene Chloride

Concen: 7.459 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023859.D

Acq: 19 Aug 2021 23:41

Instrument :

MSVOA_X

ClientSampleId :

SAMPLE-10-(410.75)

Tgt Ion: 84 Resp: 11645

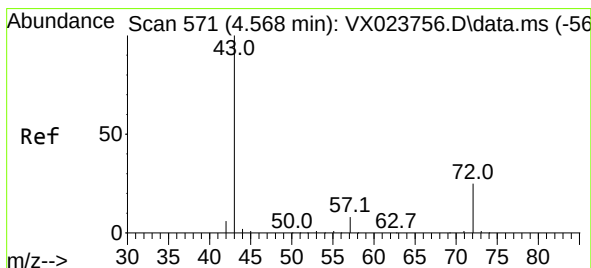
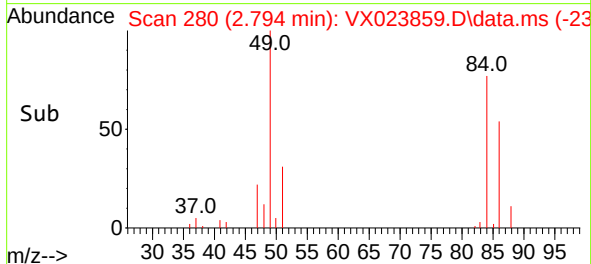
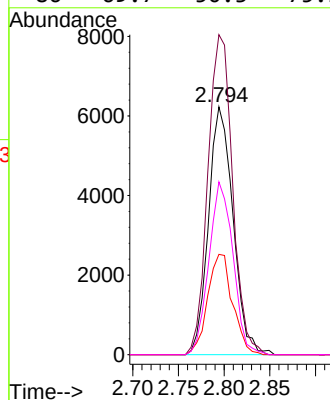
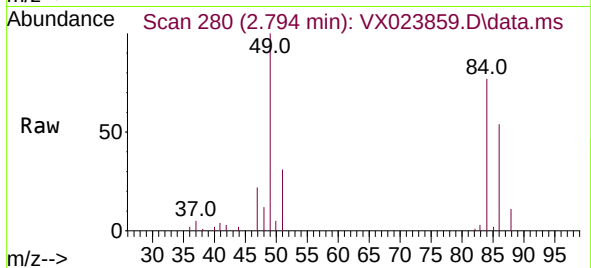
Ion Ratio Lower Upper

84 100

49 129.1 88.6 132.8

51 40.5 27.0 40.6

86 69.7 50.3 75.5



#25

2-Butanone

Concen: 2.068 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX023859.D

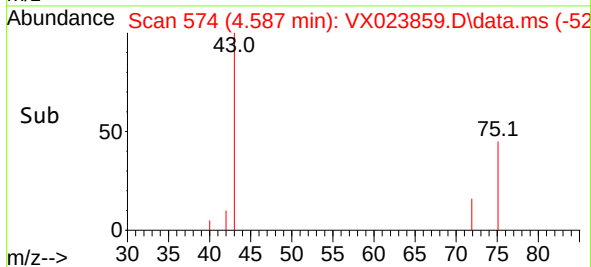
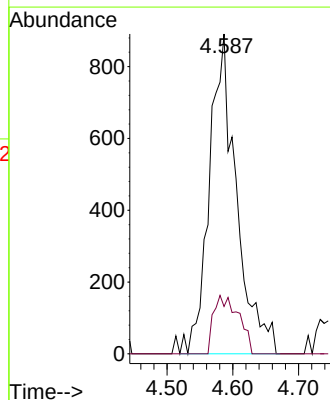
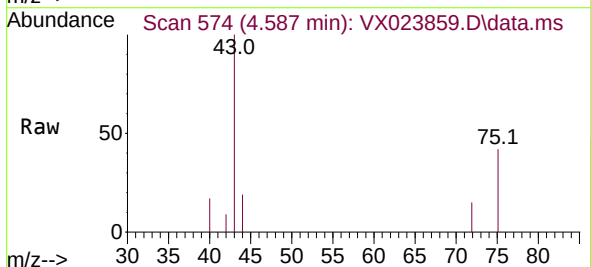
Acq: 19 Aug 2021 23:41

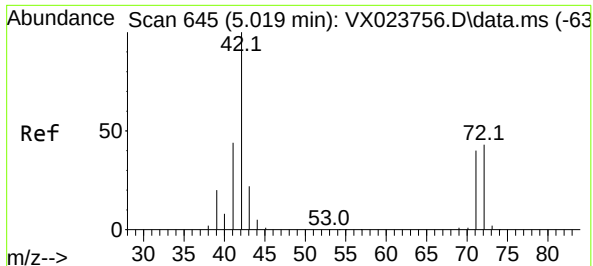
Tgt Ion: 43 Resp: 2560

Ion Ratio Lower Upper

43 100

72 14.8 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.281 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX023859.D

Acq: 19 Aug 2021 23:41

Tgt Ion: 42 Resp: 225

Ion Ratio Lower Upper

42 100

72 28.0 41.7 62.5#

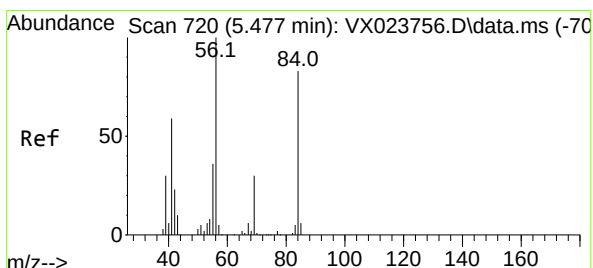
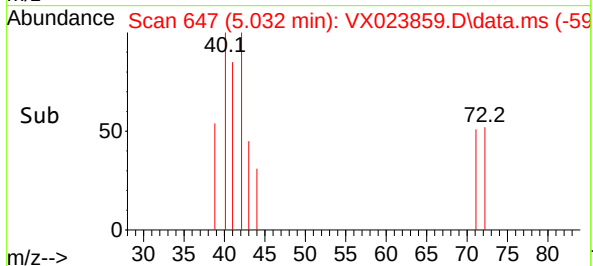
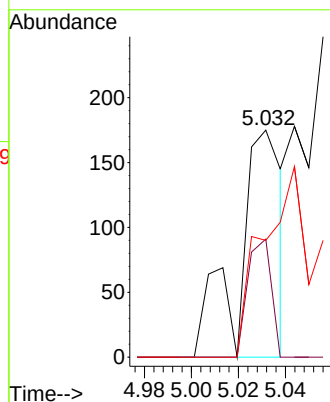
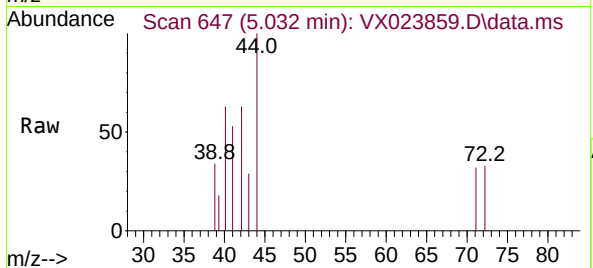
71 108.4 38.4 57.6#

Instrument :

MSVOA_X

ClientSampleId :

SAMPLE-10-(410.75)



#31

Cyclohexane

Concen: 1.383 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023859.D

Acq: 19 Aug 2021 23:41

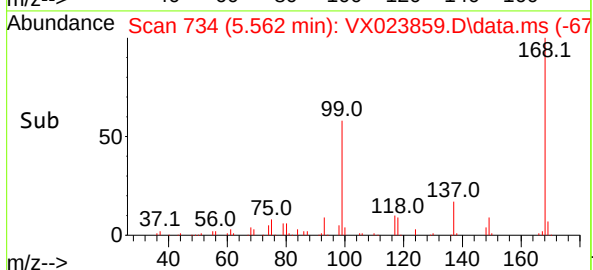
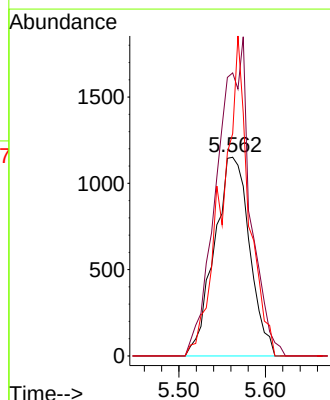
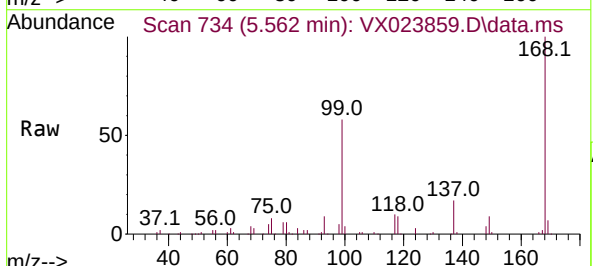
Tgt Ion: 56 Resp: 3248

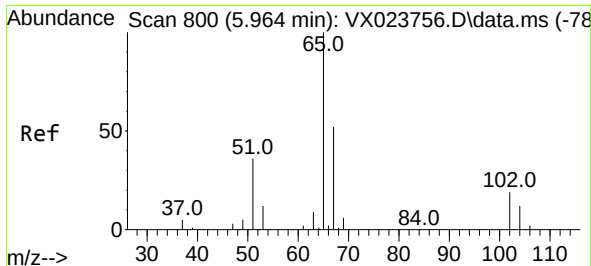
Ion Ratio Lower Upper

56 100

69 142.5 25.3 37.9#

84 111.9 71.4 107.0#

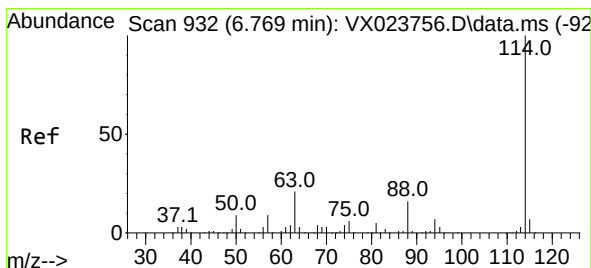
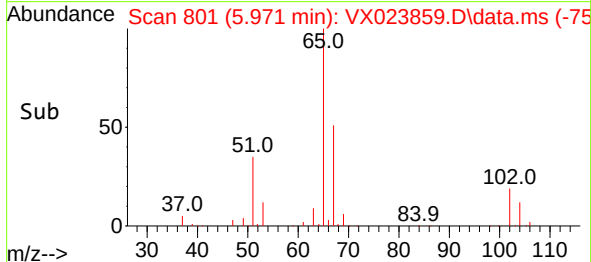
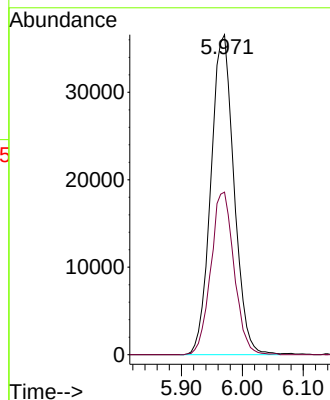
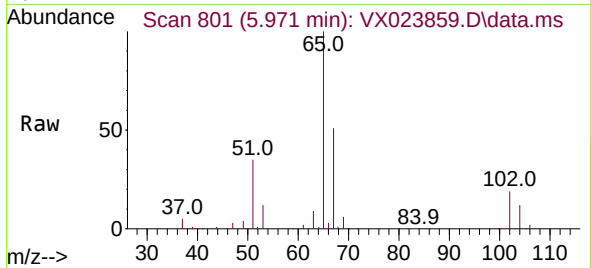




#33
 1,2-Dichloroethane-d4
 Concen: 52.741 ug/l
 RT: 5.971 min Scan# 801
 Delta R.T. 0.007 min
 Lab File: VX023859.D
 Acq: 19 Aug 2021 23:41

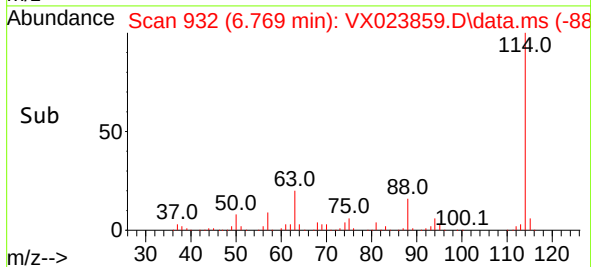
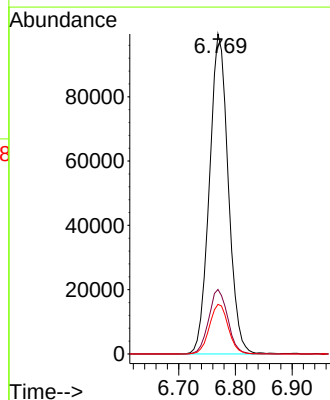
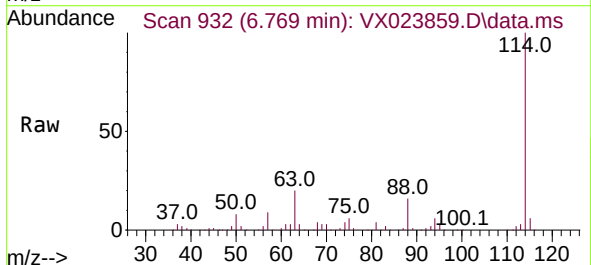
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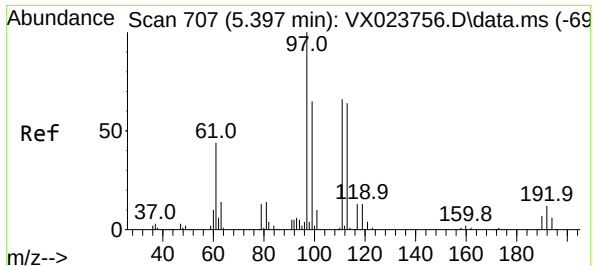
Tgt Ion: 65 Resp: 96410
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023859.D
 Acq: 19 Aug 2021 23:41

Tgt Ion: 114 Resp: 229537
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 15.5 0.0 32.8

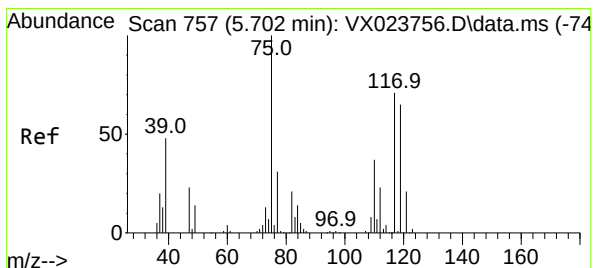
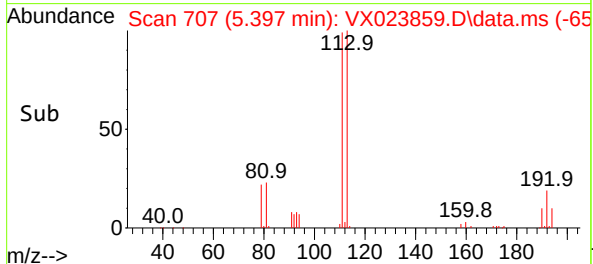
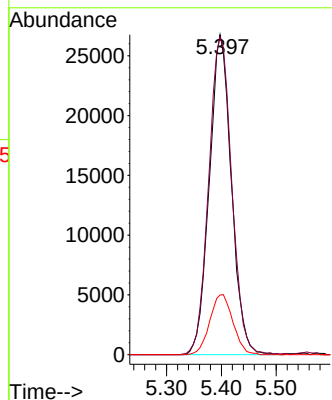
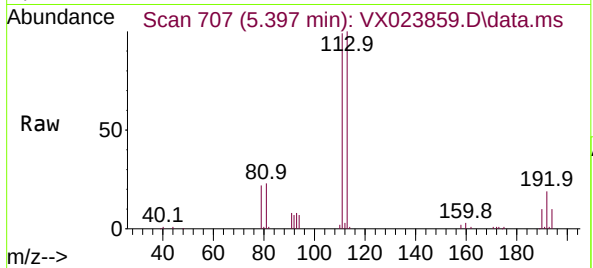




#35
Dibromofluoromethane
Concen: 49.130 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

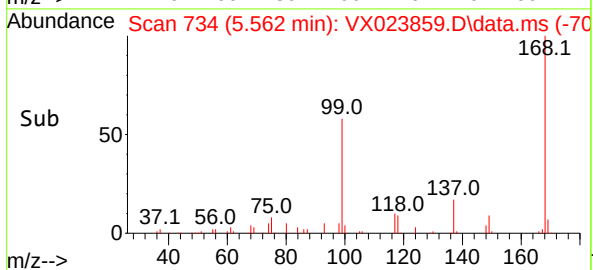
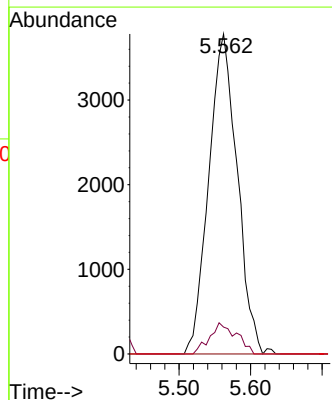
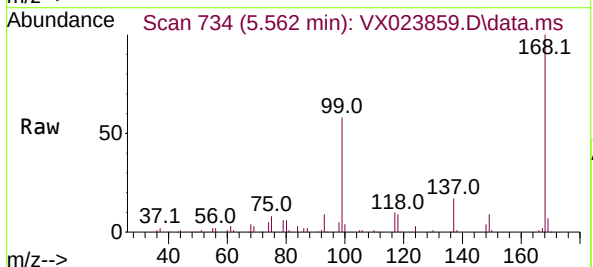
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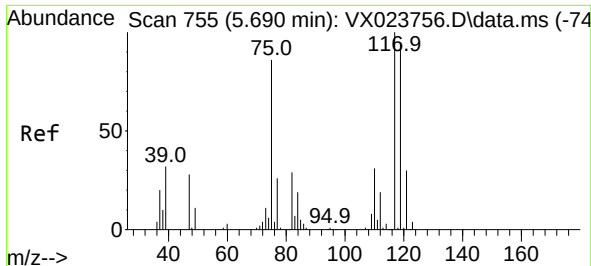
Tgt Ion:113 Resp: 74640
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 19.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.924 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

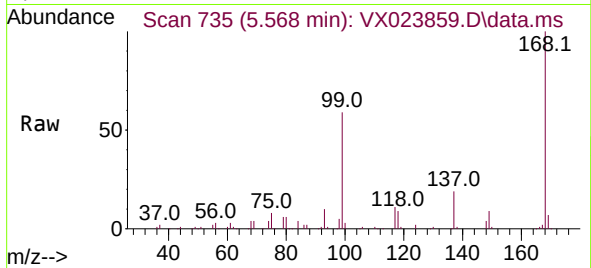
Tgt Ion: 75 Resp: 10467
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 25.3 37.9#



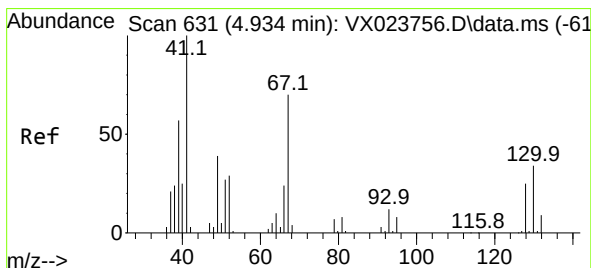
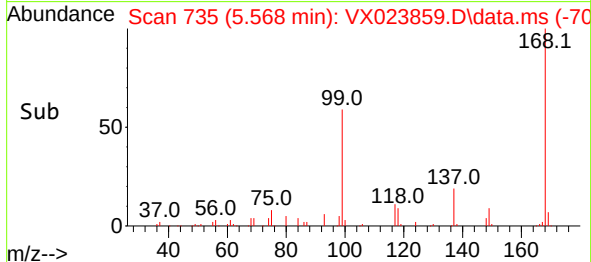
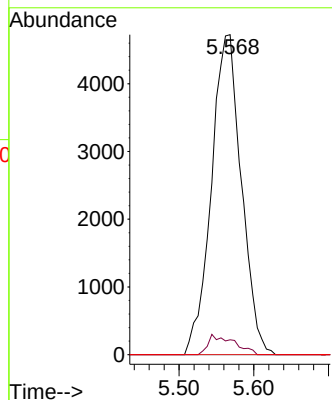


#38
Carbon Tetrachloride
Concen: 5.946 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-10-(410.75)

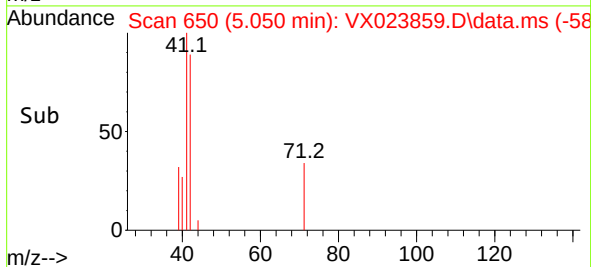
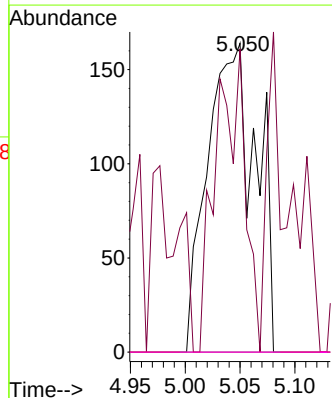
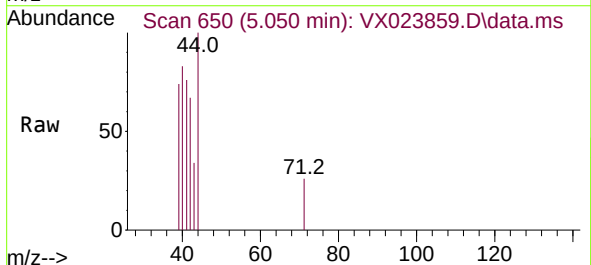


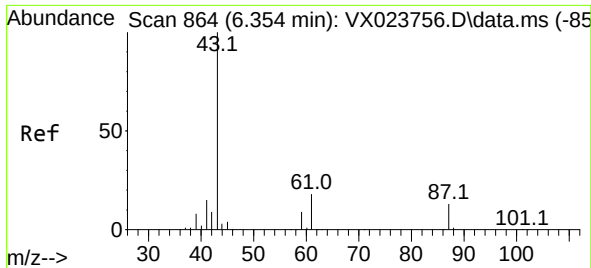
Tgt Ion:117 Resp: 13180
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.357 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.116 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

Tgt Ion: 41 Resp: 506
Ion Ratio Lower Upper
41 100
39 58.7 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

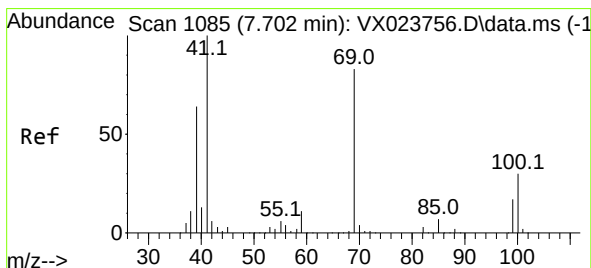
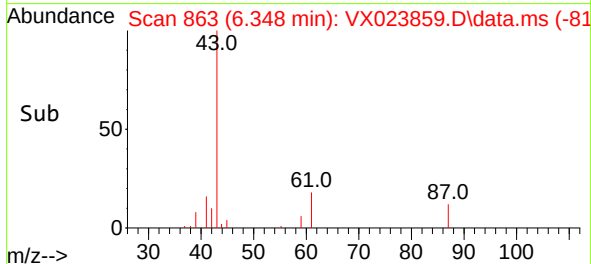
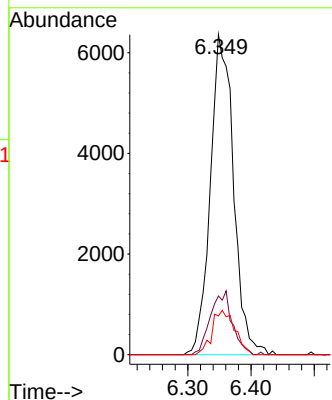
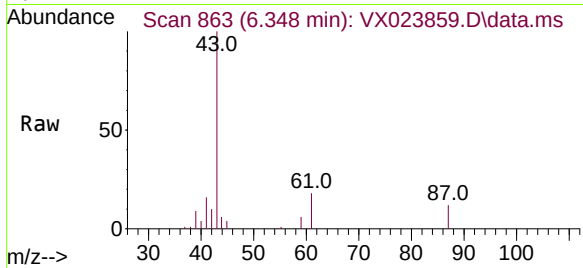




#43
Isopropyl Acetate
Concen: 3.961 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

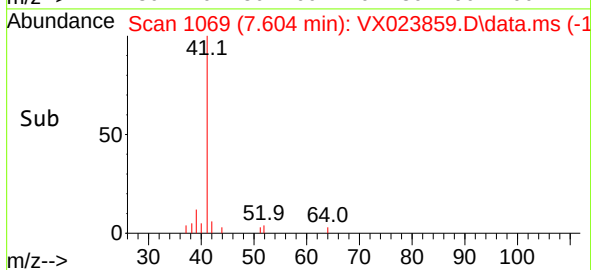
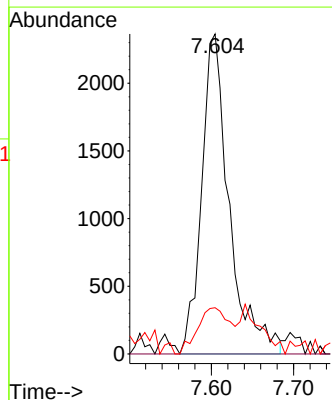
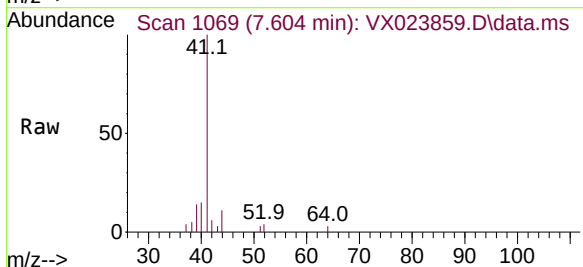
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-10-(410.75)

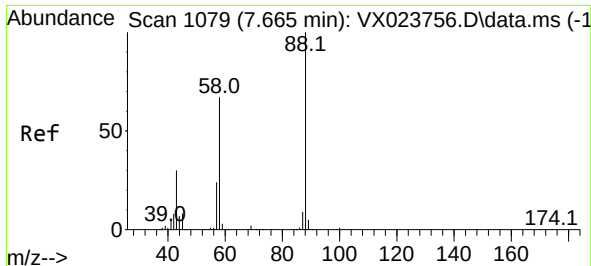
Tgt Ion:	43	Resp:	16188
Ion	Ratio	Lower	Upper
43	100		
61	18.7	18.2	27.4
87	13.7	12.5	18.7



#48
Methyl methacrylate
Concen: 2.771 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

Tgt Ion:	41	Resp:	5524
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: 3.156 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX023859.D

Acq: 19 Aug 2021 23:41

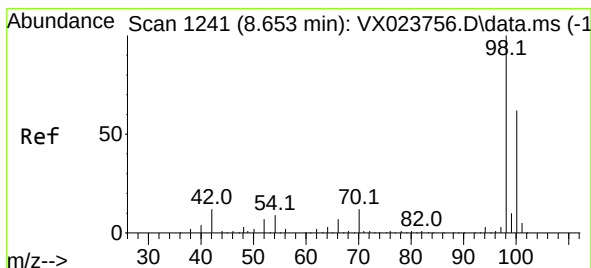
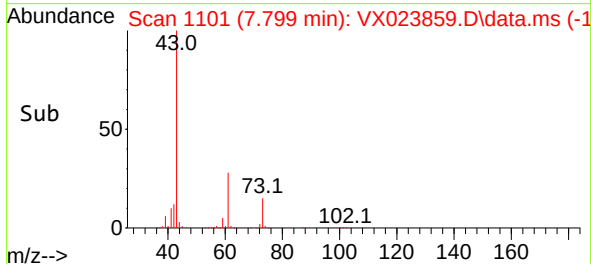
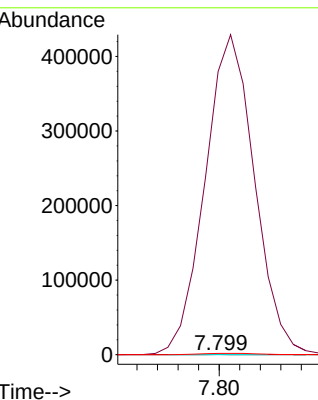
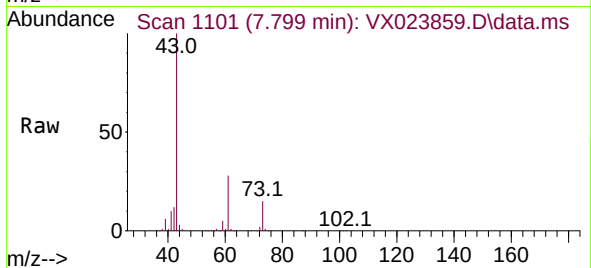
Tgt Ion: 88 Resp: 133

Ion Ratio Lower Upper

88 100

43 543191.0 23.2 34.8#

58 2742.9 55.0 82.4#



#50

Toluene-d8

Concen: 49.802 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023859.D

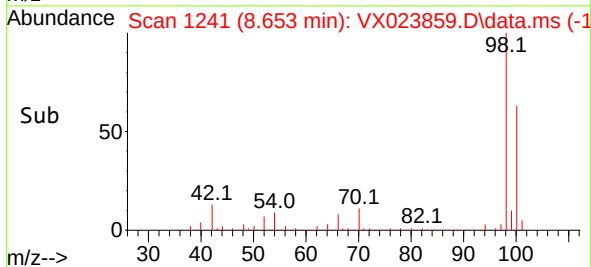
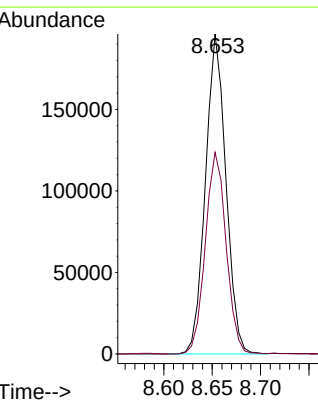
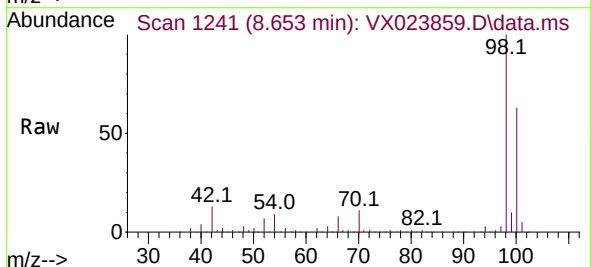
Acq: 19 Aug 2021 23:41

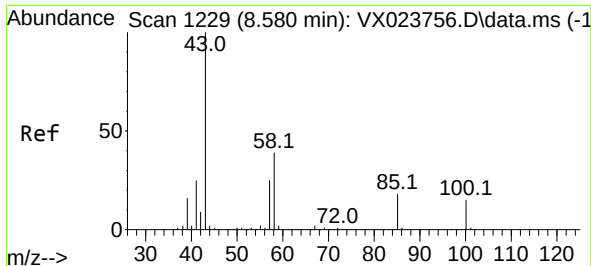
Tgt Ion: 98 Resp: 287975

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9

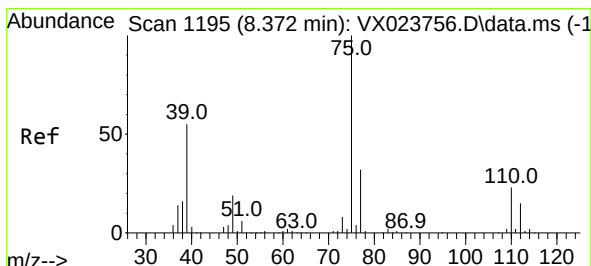
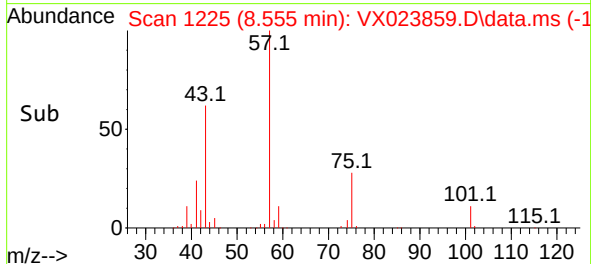
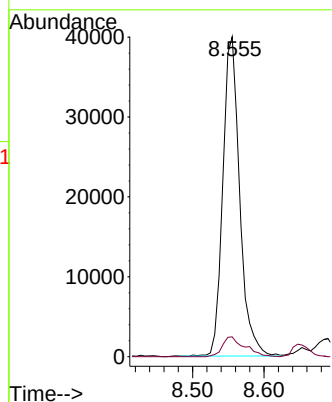
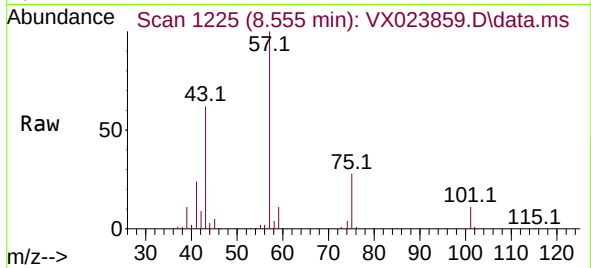




#51
4-Methyl-2-Pentanone
Concen: 24.777 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

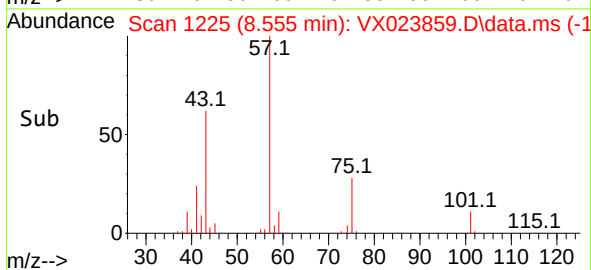
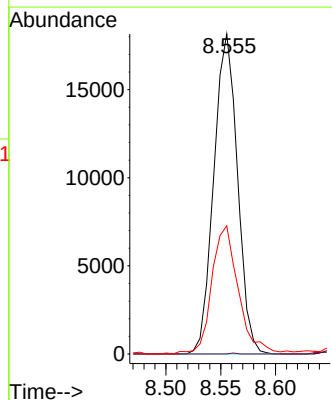
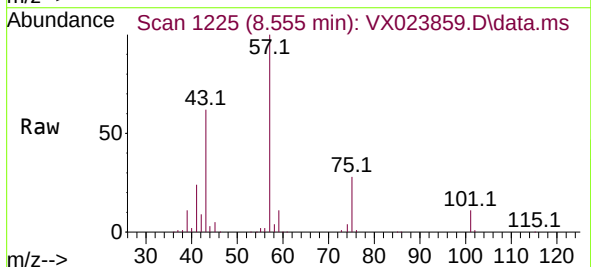
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-10-(410.75)

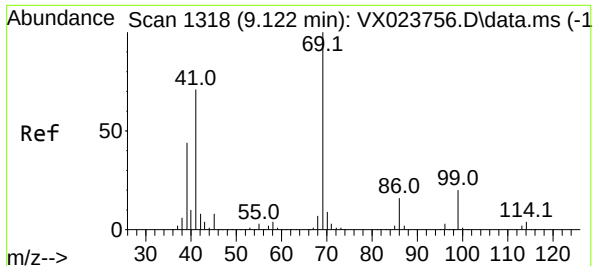
Tgt Ion: 43 Resp: 65460
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 10.712 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

Tgt Ion: 75 Resp: 27273
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 39.4 35.1 52.7

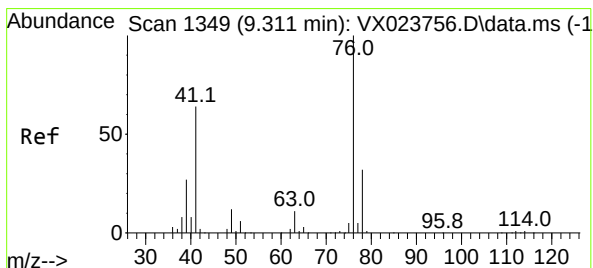
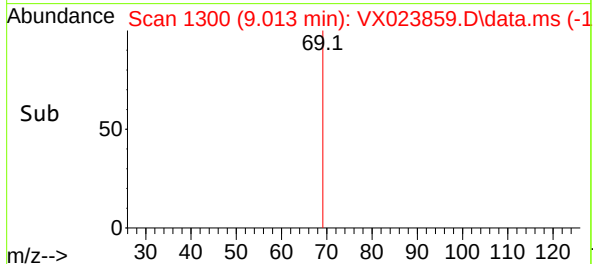
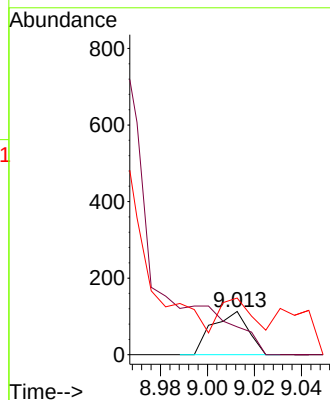
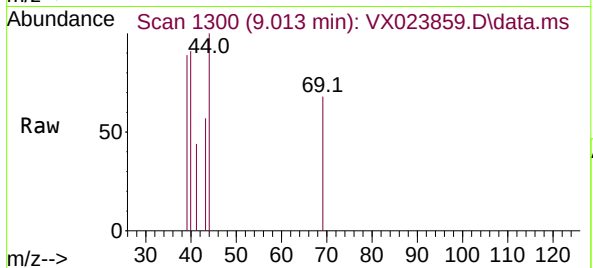




#56
Ethyl methacrylate
Concen: 0.801 ug/l
RT: 9.013 min Scan# 1300
Delta R.T. -0.109 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

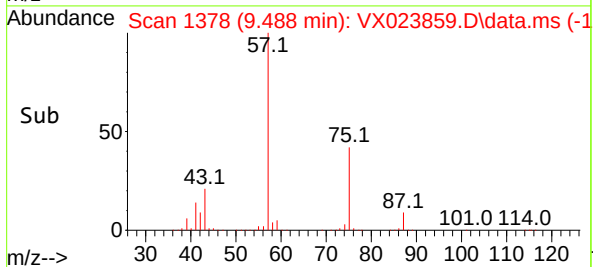
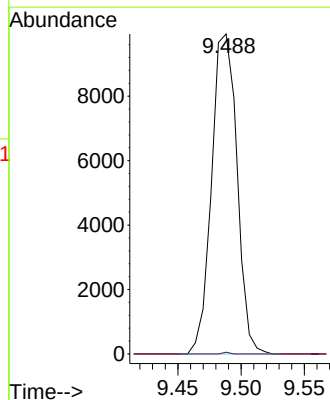
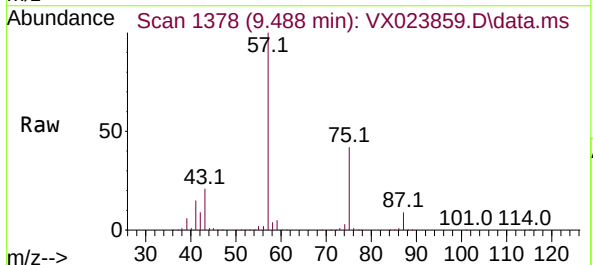
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-10-(410.75)

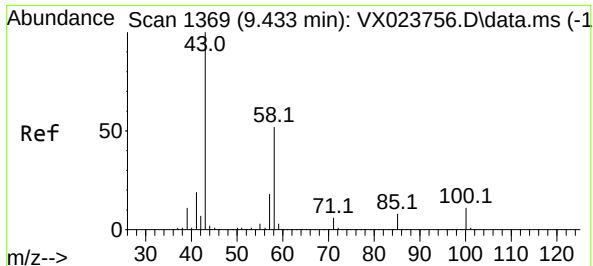
Tgt Ion: 69 Resp: 120
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 4.986 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

Tgt Ion: 76 Resp: 13868
Ion Ratio Lower Upper
76 100
78 0.1 26.2 39.2#

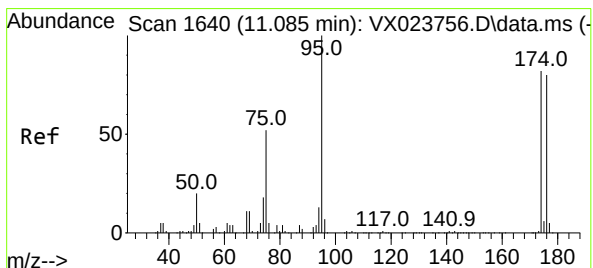
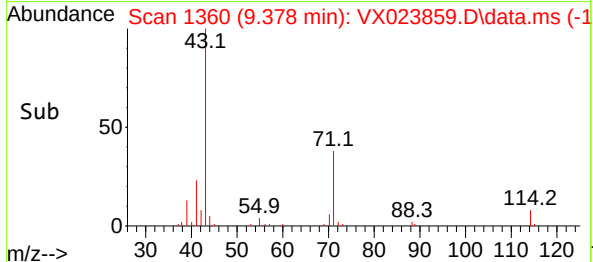
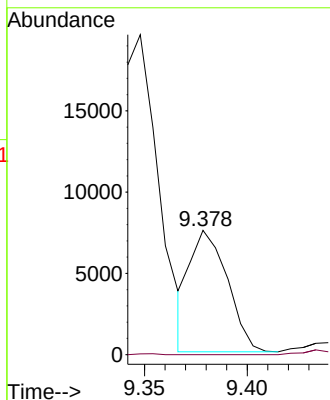
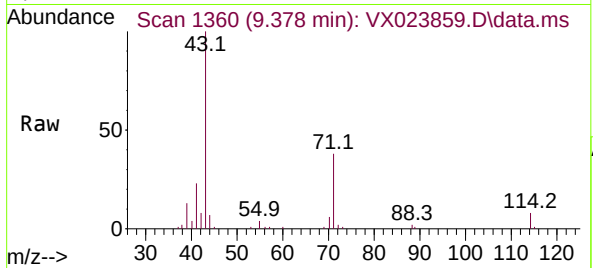




#59
2-Hexanone
Concen: 4.684 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

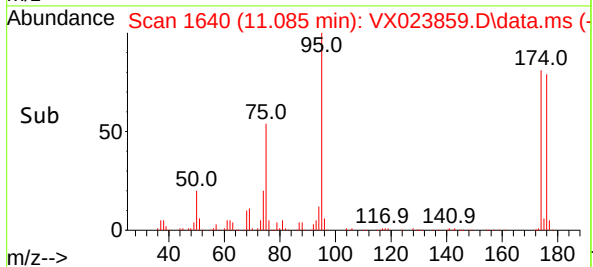
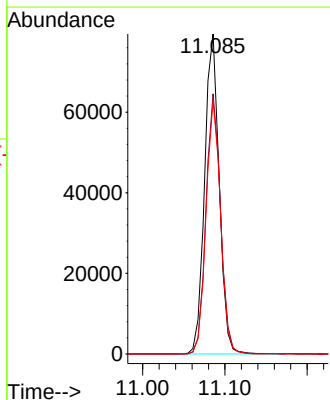
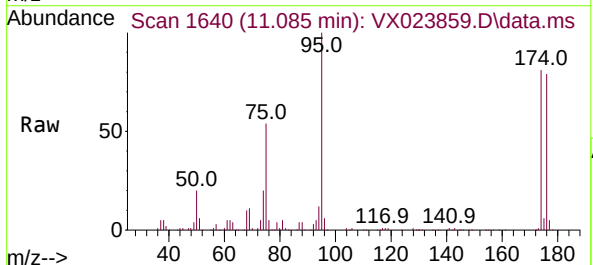
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-10-(410.75)

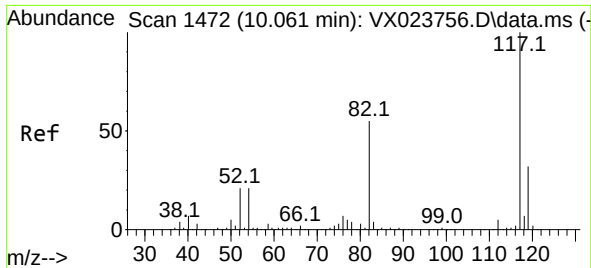
Tgt Ion: 43 Resp: 9512
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.024 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

Tgt Ion: 95 Resp: 97969
Ion Ratio Lower Upper
95 100
174 81.3 0.0 154.6
176 78.3 0.0 155.8

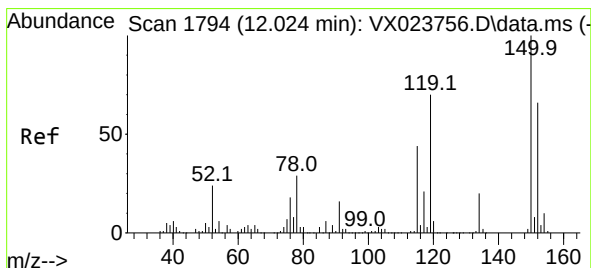
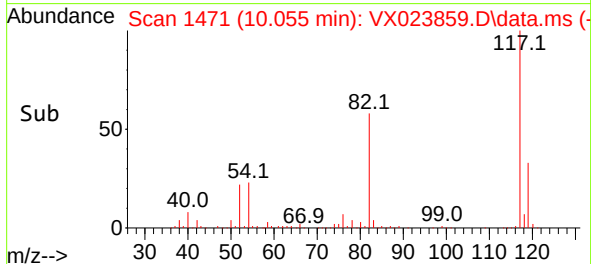
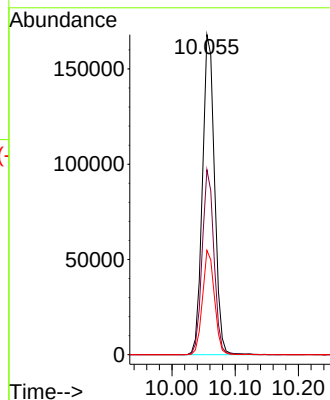
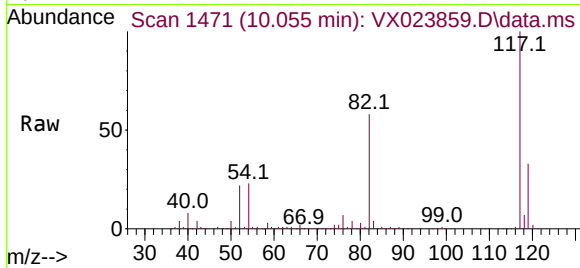




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

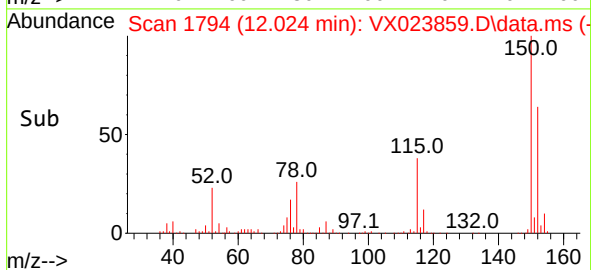
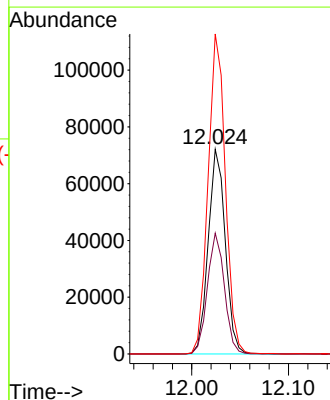
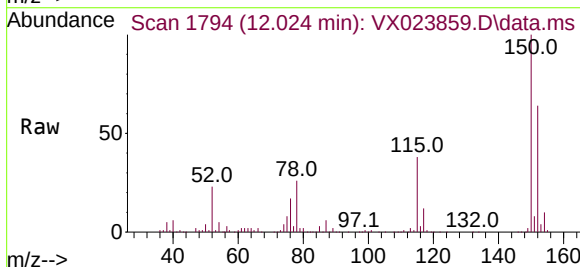
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-10-(410.75)

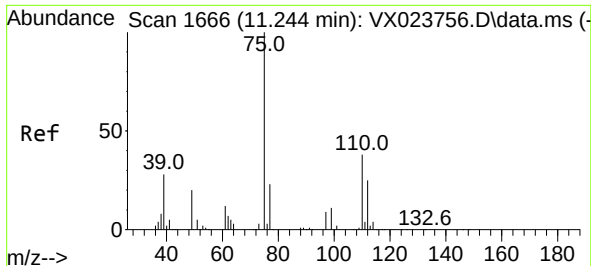
Tgt Ion:117 Resp: 224159
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 32.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

Tgt Ion:152 Resp: 88744
Ion Ratio Lower Upper
152 100
115 58.8 41.1 123.3
150 158.1 0.0 349.0

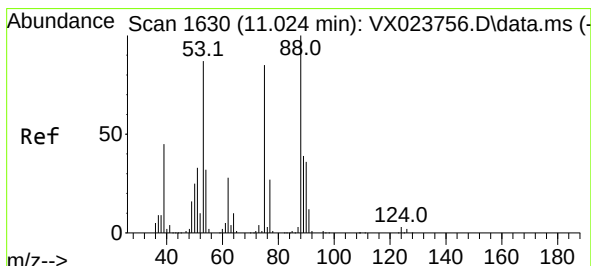
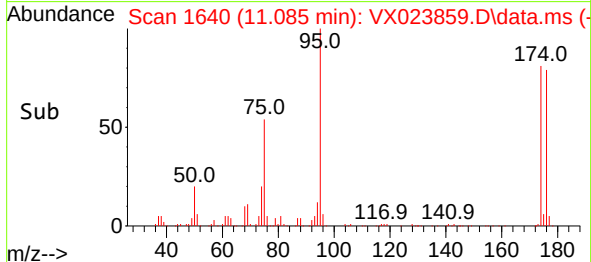
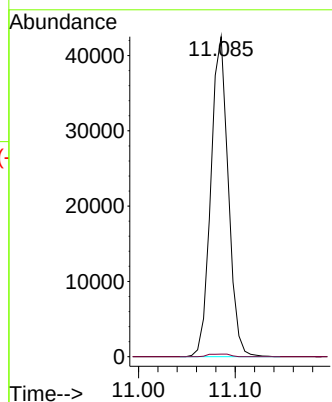
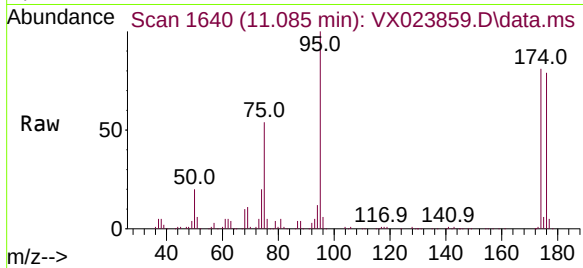




#76
1,2,3-Trichloropropane
Concen: 25.610 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

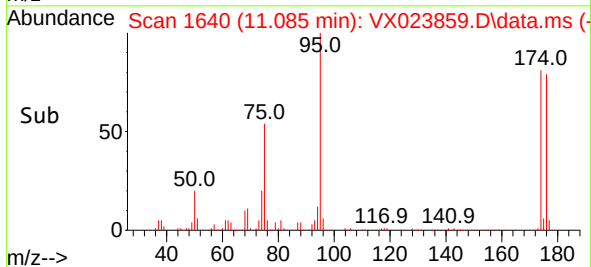
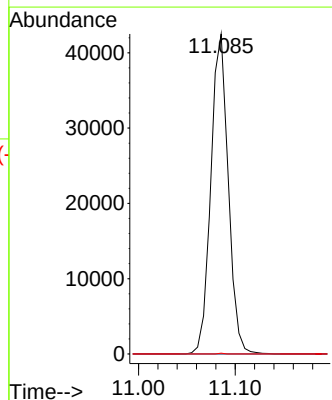
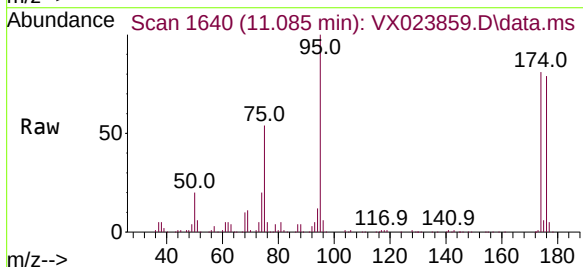
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-10-(410.75)

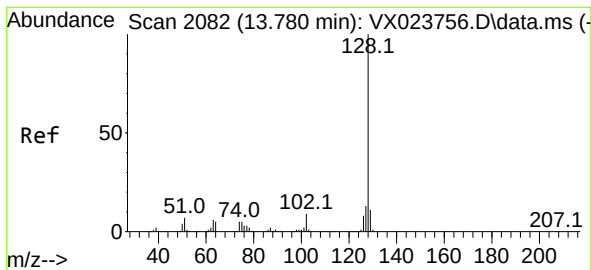
Tgt Ion: 75 Resp: 53017
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.333 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

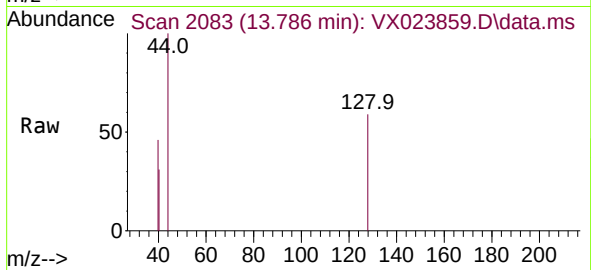
Tgt Ion: 75 Resp: 53017
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#95
Naphthalene
Concen: 1.299 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023859.D
Acq: 19 Aug 2021 23:41

Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-10-(410.75)



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

