

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052821\
 Data File : VX022243.D
 Acq On : 27 May 2021 19:24
 Operator : JC/MD
 Sample : M2549-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 28 01:34:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

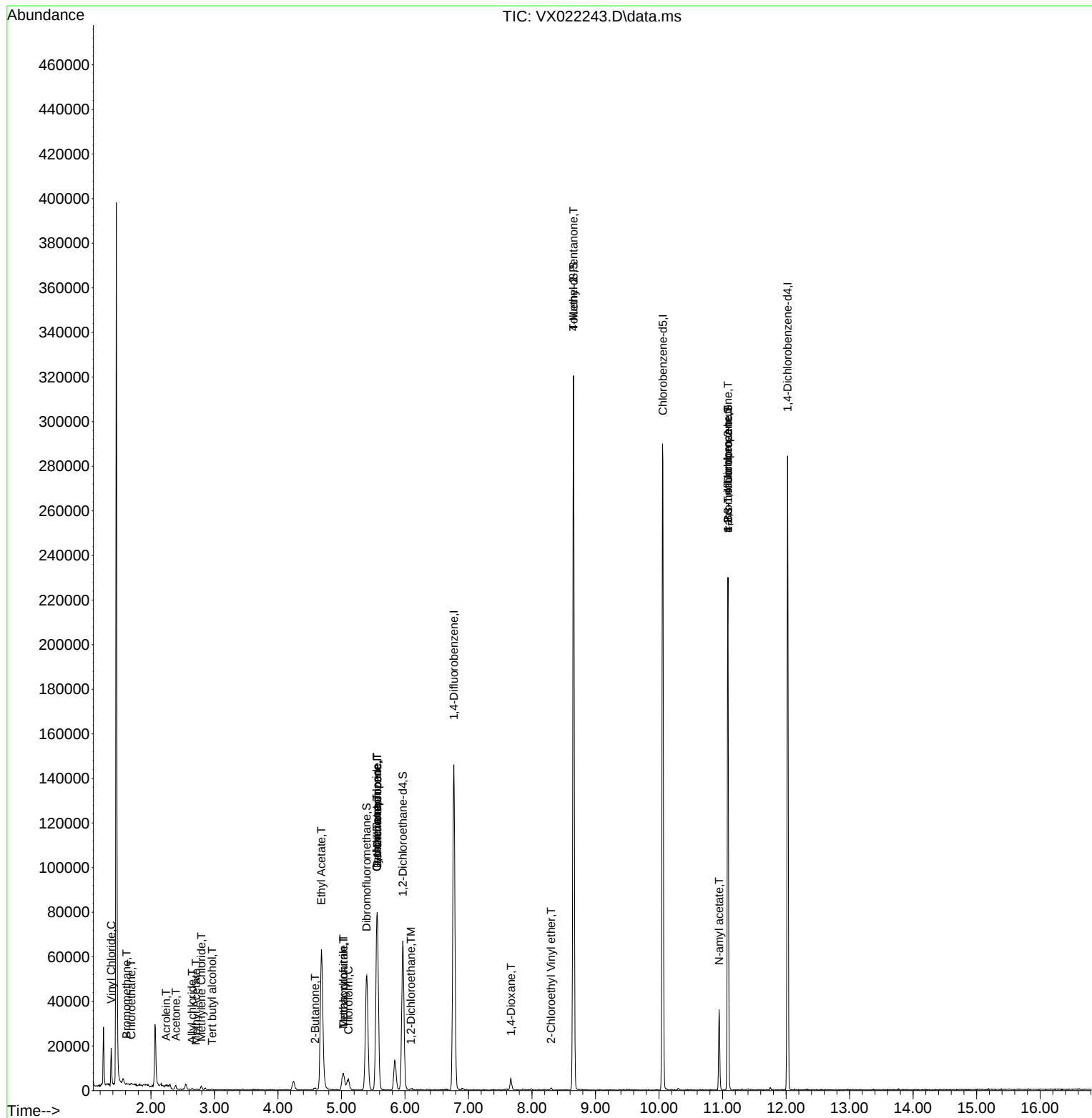
Internal Standards						
1) Pentafluorobenzene	5.562	168	70031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	147525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	128776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50861	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	57921	53.62	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.24%			
35) Dibromofluoromethane	5.397	113	44779	47.86	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.72%			
50) Toluene-d8	8.653	98	180074	49.97	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.94%			
62) 4-Bromofluorobenzene	11.085	95	63616	47.76	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.52%			
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	9364	9.64	ug/l	92
5) Bromomethane	1.617	94	250	0.44	ug/l #	36
6) Chloroethane	1.691	64	387	0.67	ug/l #	62
11) Tert butyl alcohol	2.965	59	277	1.12	ug/l #	73
13) Acrolein	2.239	56	490	2.99	ug/l #	70
14) Allyl chloride	2.648	41	402	0.27	ug/l #	46
16) Acetone	2.392	43	1986	4.22	ug/l #	80
18) Methyl Acetate	2.709	43	324	0.26	ug/l #	47
20) Methylene Chloride	2.794	84	688	0.66	ug/l #	95
25) 2-Butanone	4.586	43	1447	1.90	ug/l #	65
29) Tetrahydrofuran	5.032	42	7756	17.12	ug/l	88
30) Chloroform	5.111	83	5487	3.19	ug/l	91
31) Cyclohexane	5.556	56	1953	1.44	ug/l #	27
36) 1,1-Dichloropropene	5.562	75	6543	4.80	ug/l #	49
37) Ethyl Acetate	4.684	43	16609	9.93	ug/l #	64
38) Carbon Tetrachloride	5.556	117	8288	6.21	ug/l #	16
41) Methacrylonitrile	5.032	41	4201	4.70	ug/l #	44
42) 1,2-Dichloroethane	6.092	62	717	0.49	ug/l #	73
49) 1,4-Dioxane	7.671	88	3502	142.69	ug/l	95
51) 4-Methyl-2-Pentanone	8.653	43	887	0.54	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.299	63	300	0.32	ug/l #	45
74) N-amyl acetate	10.945	43	2812	1.38	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	32477	25.88	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	32477	61.33	ug/l #	12

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

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ClientSampleId :

Quant Time: May 28 01:34:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration

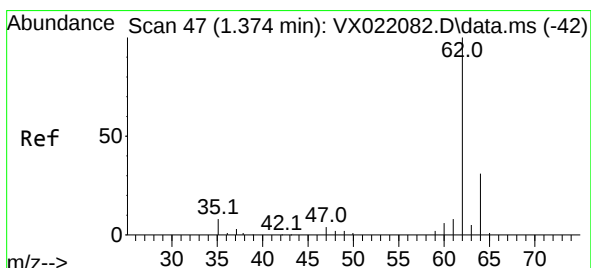
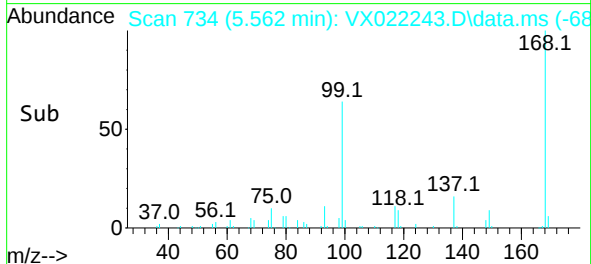
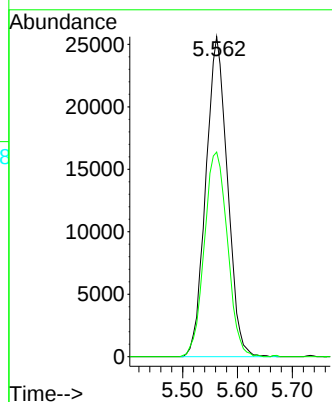
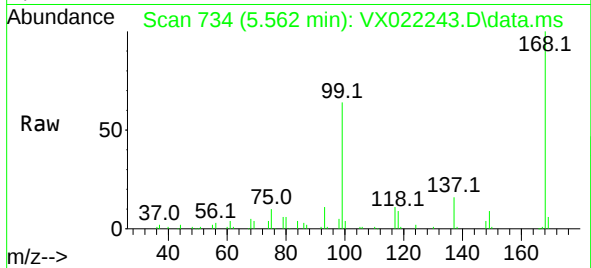




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

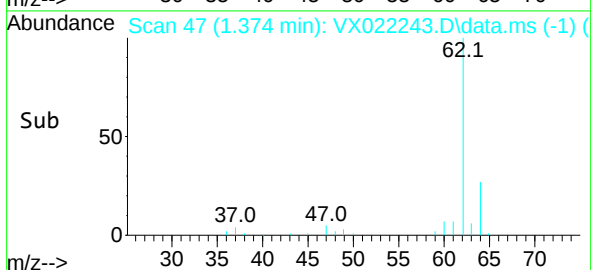
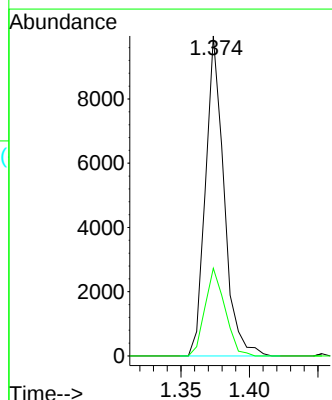
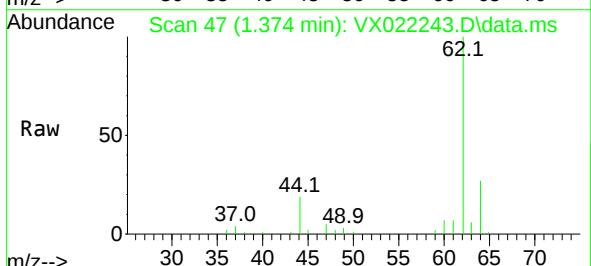
Instrument :
MSVOA_X
ClientSampled :

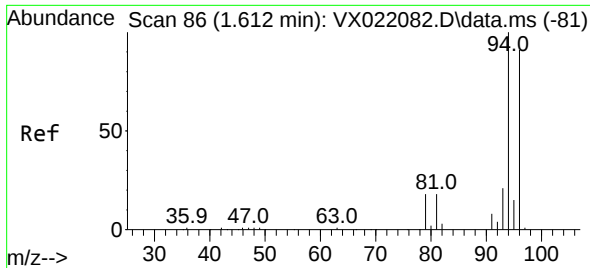
Tgt Ion:168 Resp: 70031
Ion Ratio Lower Upper
168 100
99 64.0 45.8 68.6



#4
Vinyl Chloride
Concen: 9.64 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Tgt Ion: 62 Resp: 9364
Ion Ratio Lower Upper
62 100
64 27.4 25.7 38.5

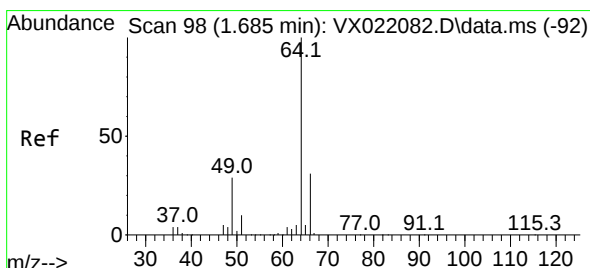
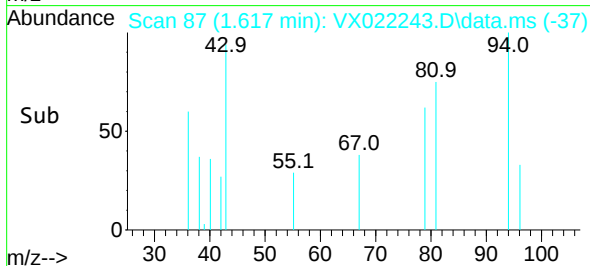
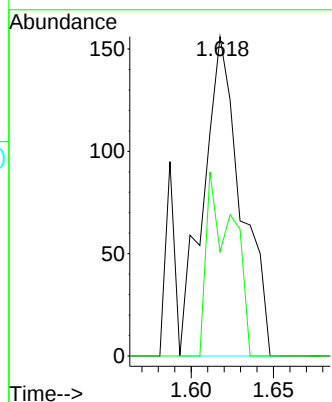
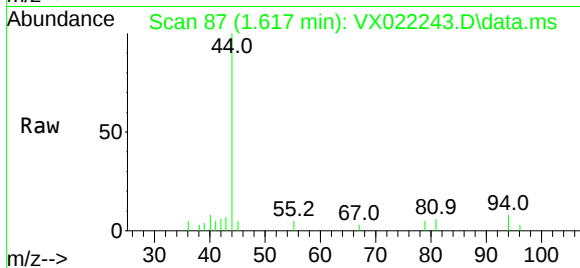




#5
Bromomethane
Concen: 0.44 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.005 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

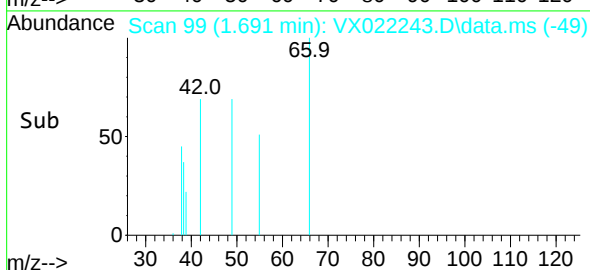
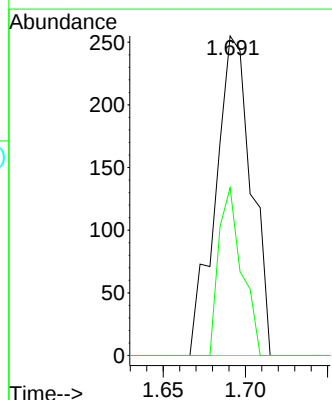
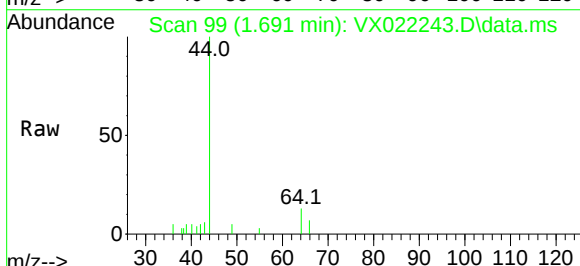
Instrument :
MSVOA_X
ClientSampled :

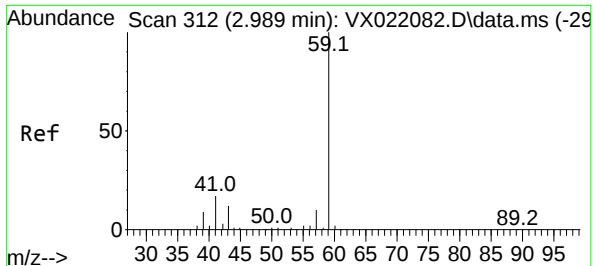
Tgt Ion: 94 Resp: 250
Ion Ratio Lower Upper
94 100
96 32.7 76.4 114.6#



#6
Chloroethane
Concen: 0.67 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Tgt Ion: 64 Resp: 387
Ion Ratio Lower Upper
64 100
66 52.5 25.4 38.0#



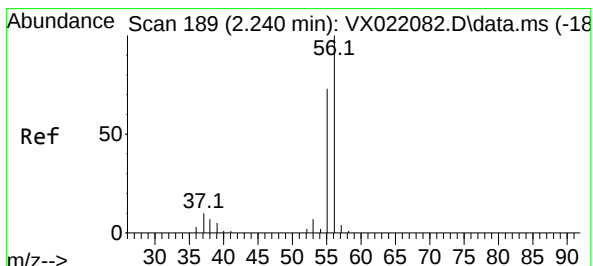
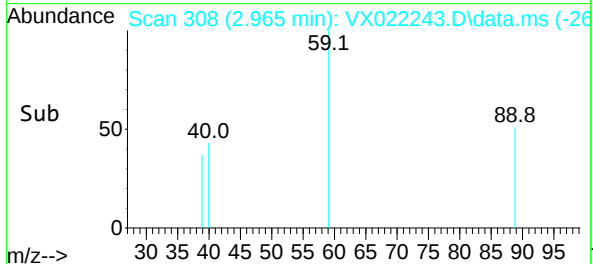
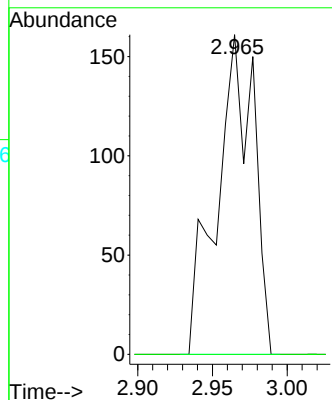
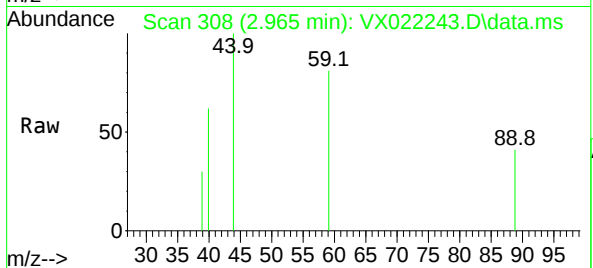


#11

Tert butyl alcohol
Concen: 1.12 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Instrument :
MSVOA_X
ClientSampled :

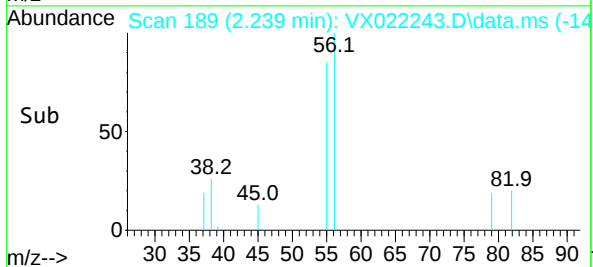
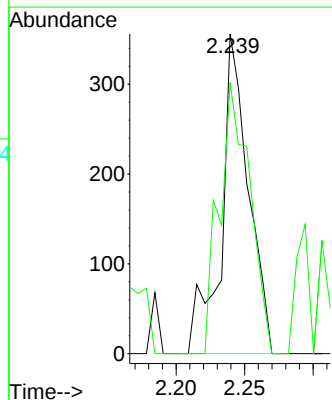
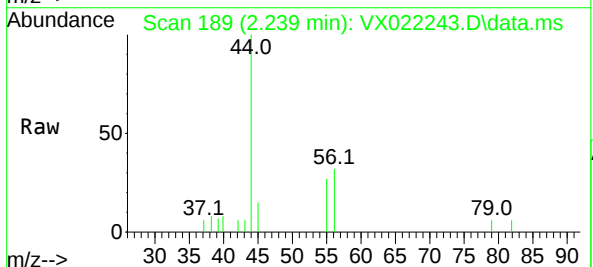
Tgt Ion: 59 Resp: 277
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

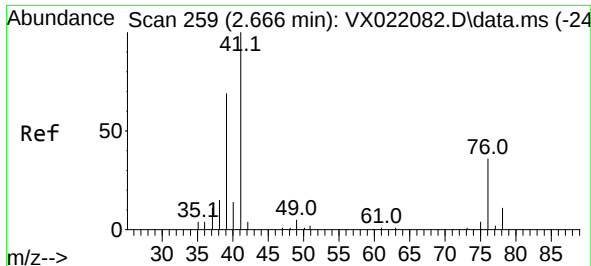


#13

Acrolein
Concen: 2.99 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.001 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

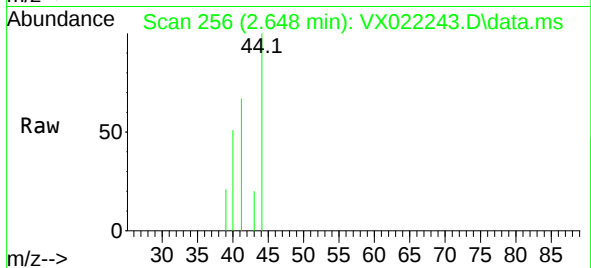
Tgt Ion: 56 Resp: 490
Ion Ratio Lower Upper
56 100
55 95.3 56.4 84.6#



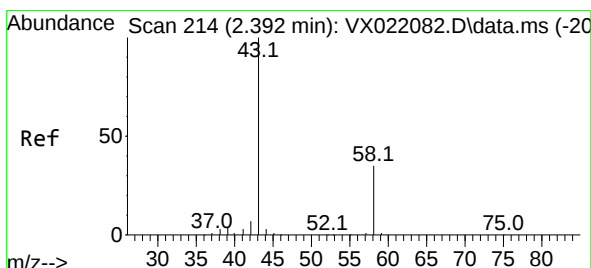
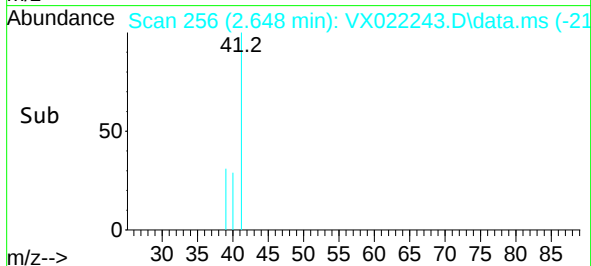
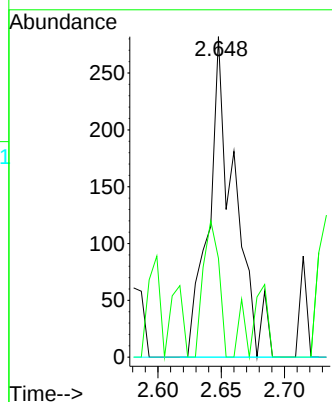


#14
Allyl chloride
Concen: 0.27 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.018 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Instrument :
MSVOA_X
ClientSampleId :

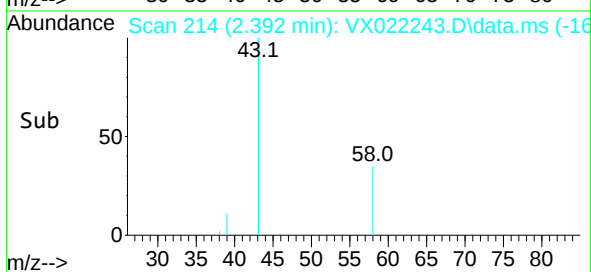
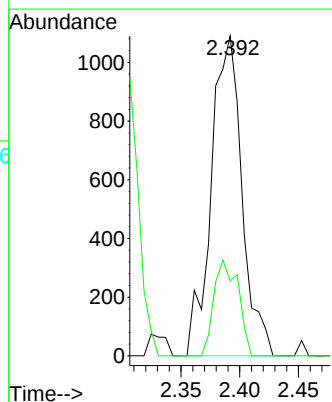
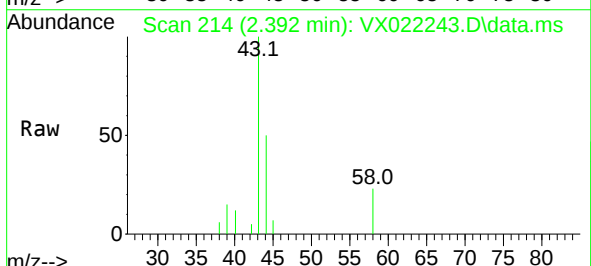


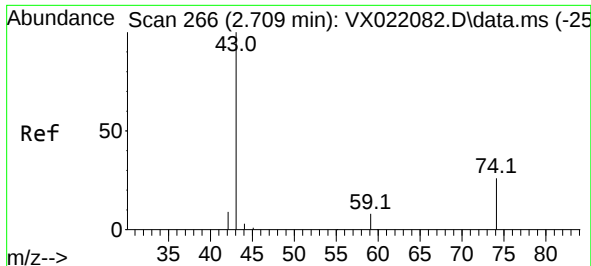
Tgt Ion: 41 Resp: 402
Ion Ratio Lower Upper
41 100
39 26.1 51.6 77.4#
76 0.0 30.5 45.7#



#16
Acetone
Concen: 4.22 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Tgt Ion: 43 Resp: 1986
Ion Ratio Lower Upper
43 100
58 23.5 27.8 41.8#

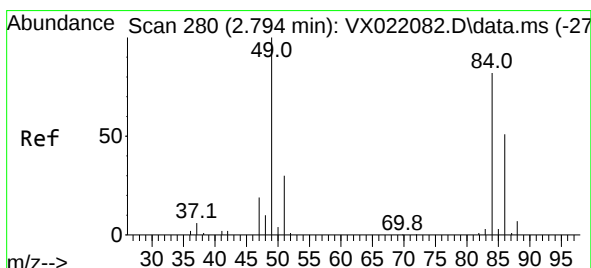
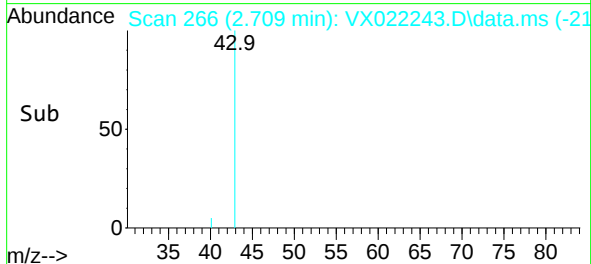
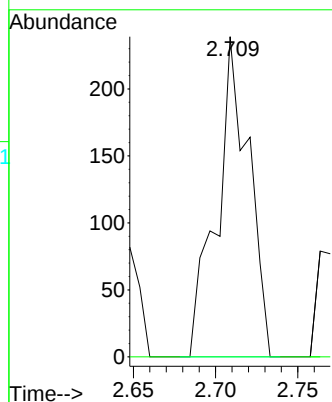
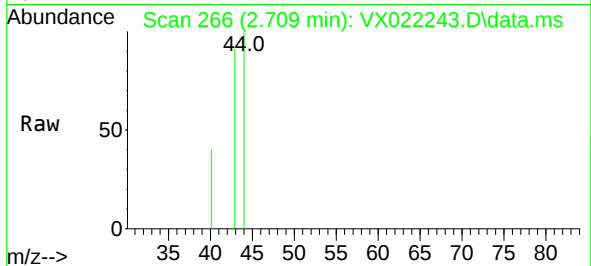




#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

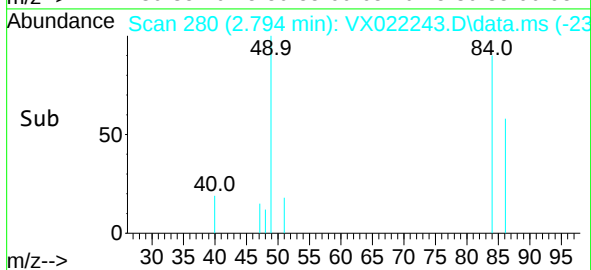
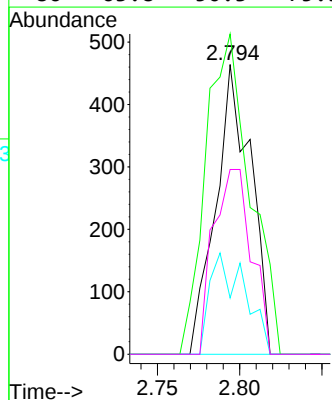
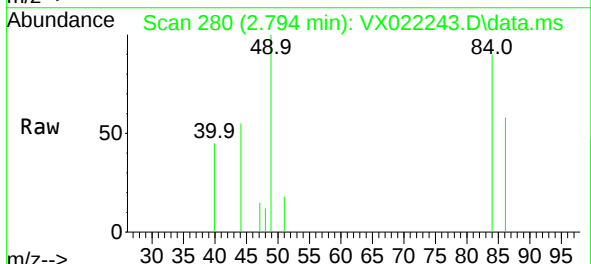
Instrument :
MSVOA_X
ClientSampled :

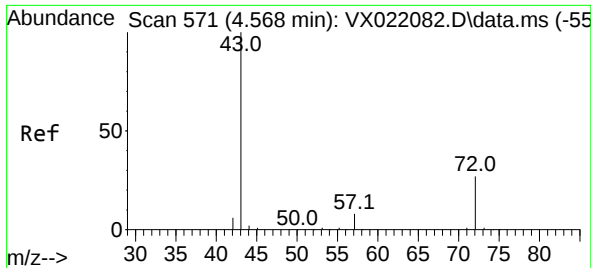
Tgt Ion: 43 Resp: 324
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.66 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Tgt Ion: 84 Resp: 688
Ion Ratio Lower Upper
84 100
49 110.6 88.6 132.8
51 19.4 27.0 40.6#
86 63.8 50.3 75.5

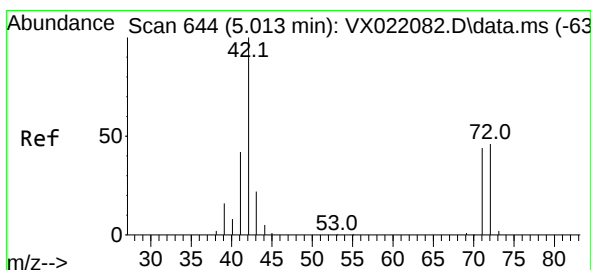
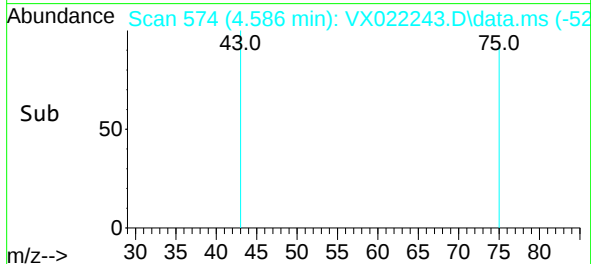
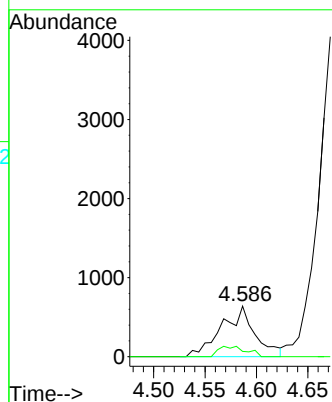
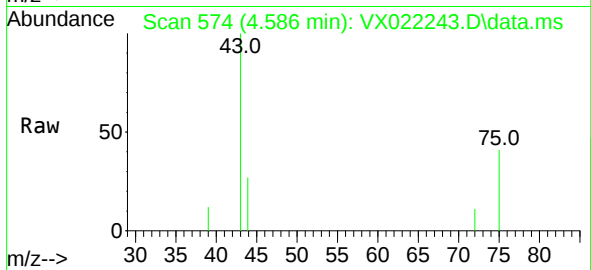




#25
2-Butanone
Concen: 1.90 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

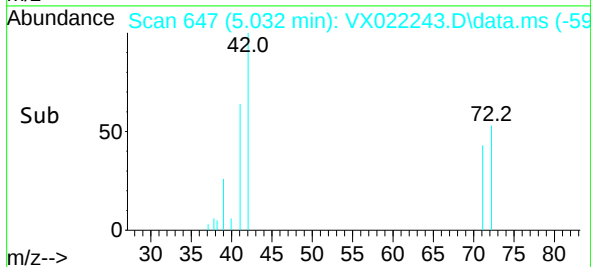
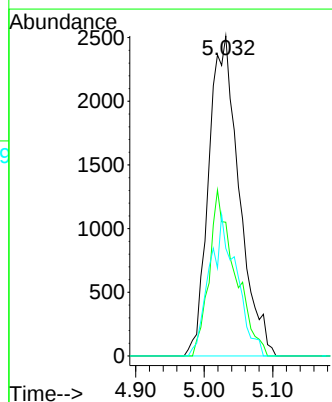
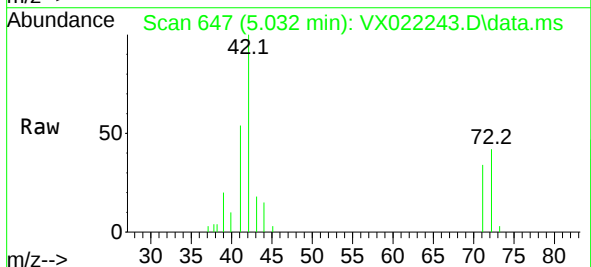
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MSVOA_X
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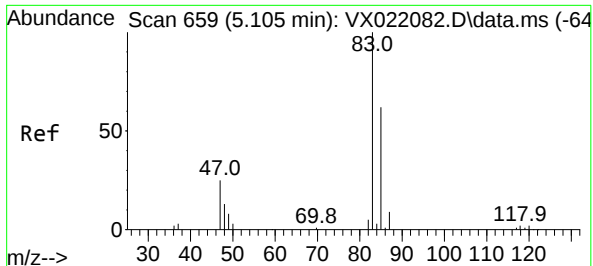
Tgt Ion: 43 Resp: 1447
Ion Ratio Lower Upper
43 100
72 10.6 23.7 35.5#



#29
Tetrahydrofuran
Concen: 17.12 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.019 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Tgt Ion: 42 Resp: 7756
Ion Ratio Lower Upper
42 100
72 44.0 41.7 62.5
71 39.4 38.4 57.6





#30

Chloroform

Concen: 3.19 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.006 min

Lab File: VX022243.D

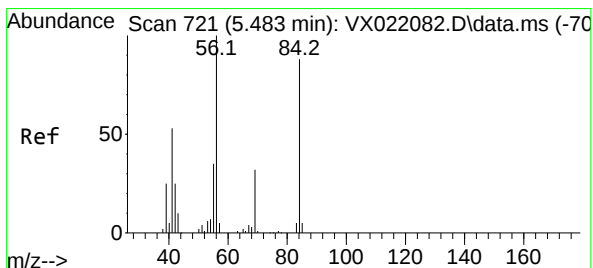
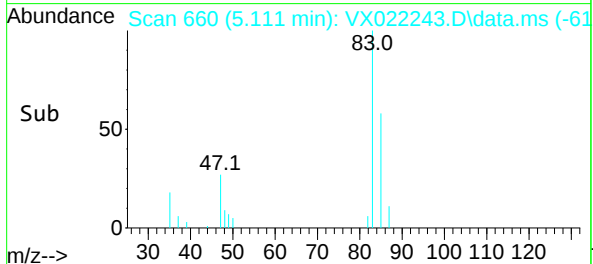
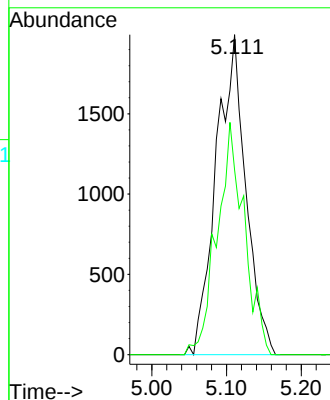
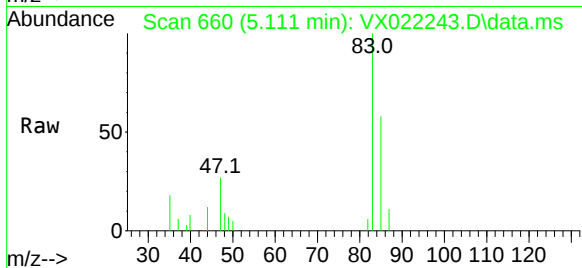
Acq: 27 May 2021 19:24

Tgt Ion: 83 Resp: 5487

Ion Ratio Lower Upper

83 100

85 57.7 52.0 78.0



#31

Cyclohexane

Concen: 1.44 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.073 min

Lab File: VX022243.D

Acq: 27 May 2021 19:24

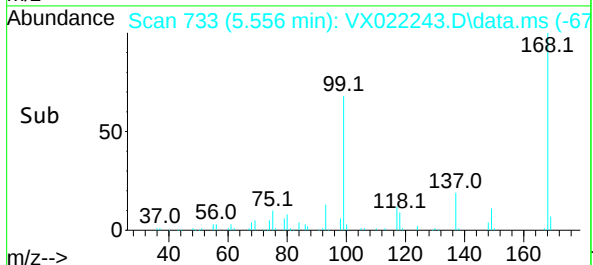
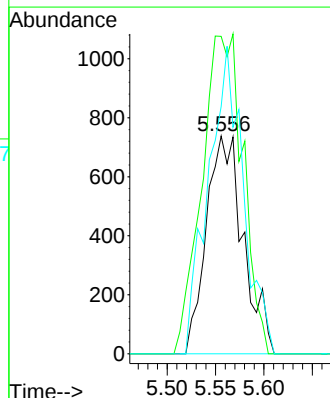
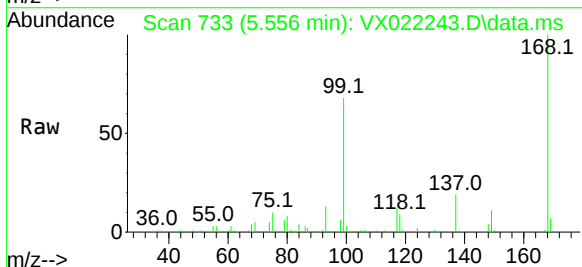
Tgt Ion: 56 Resp: 1953

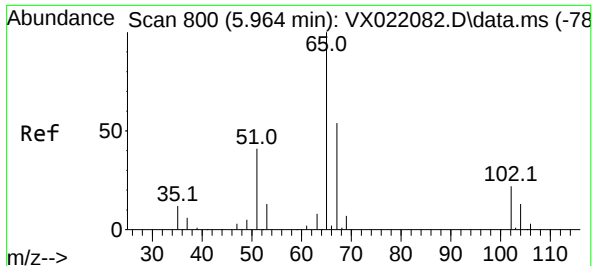
Ion Ratio Lower Upper

56 100

69 145.8 25.3 37.9#

84 113.6 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 53.62 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022243.D

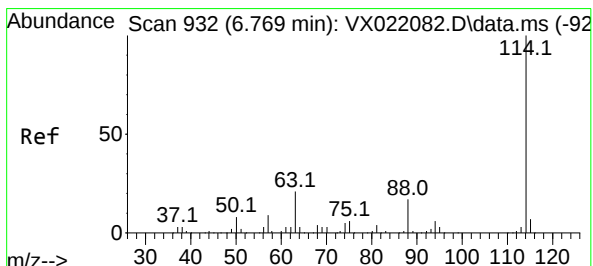
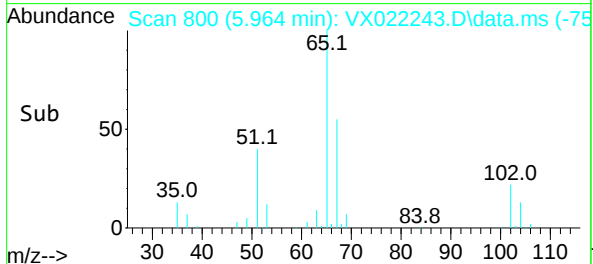
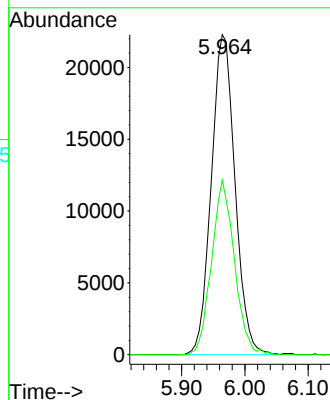
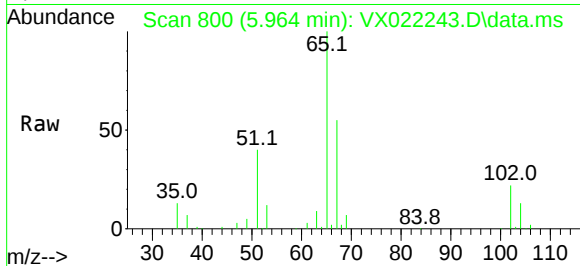
Acq: 27 May 2021 19:24

Tgt Ion: 65 Resp: 57921

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX022243.D

Acq: 27 May 2021 19:24

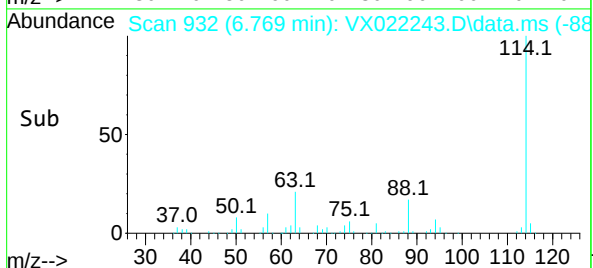
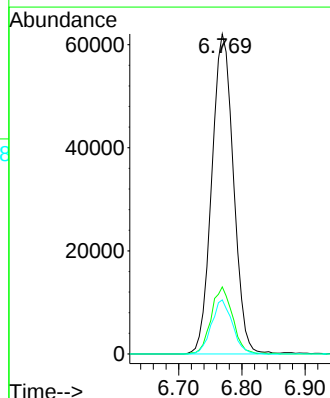
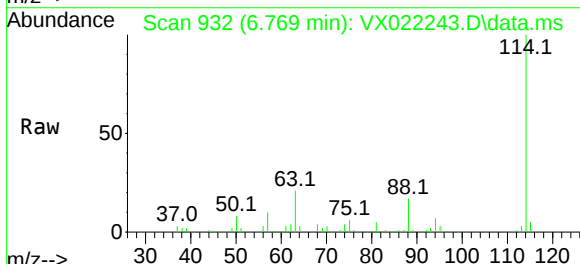
Tgt Ion: 114 Resp: 147525

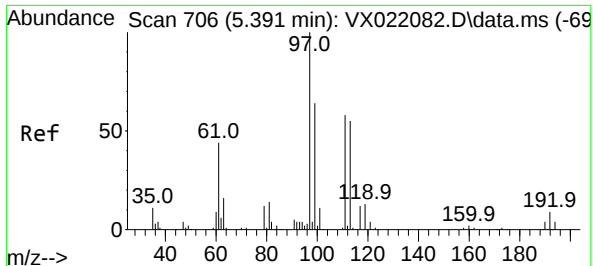
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.86 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX022243.D

Acq: 27 May 2021 19:24

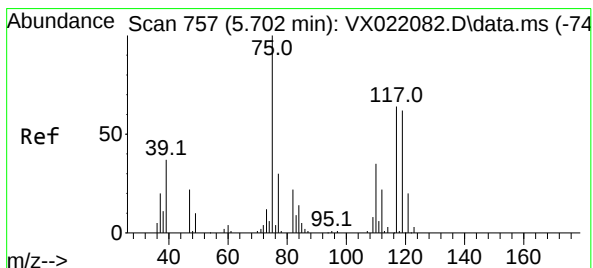
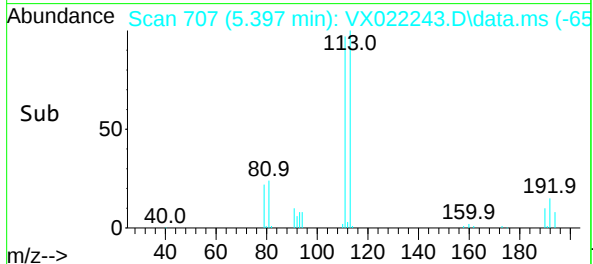
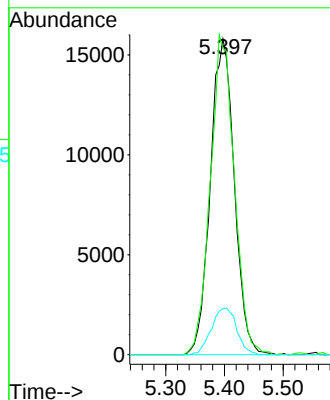
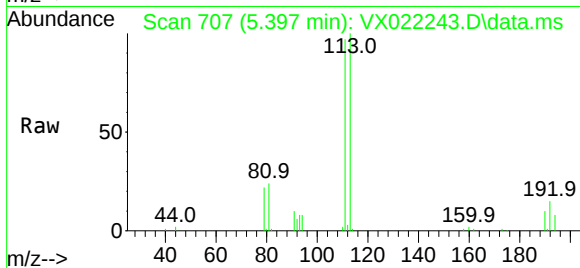
Tgt Ion:113 Resp: 44779

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

192 15.6 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 4.80 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022243.D

Acq: 27 May 2021 19:24

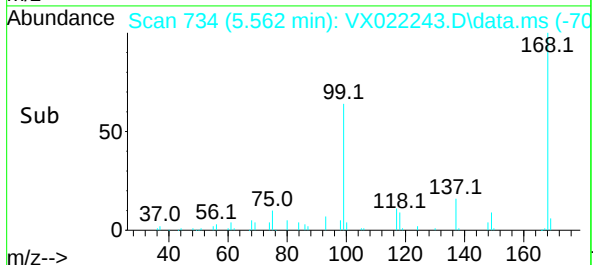
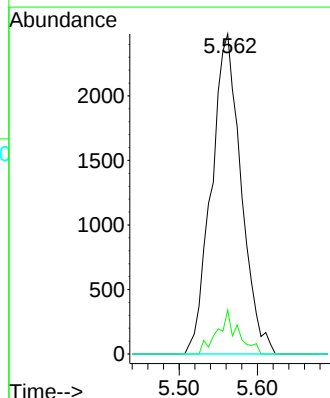
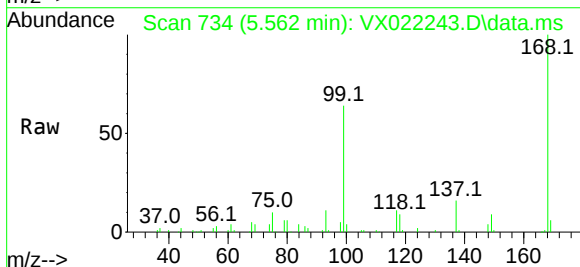
Tgt Ion: 75 Resp: 6543

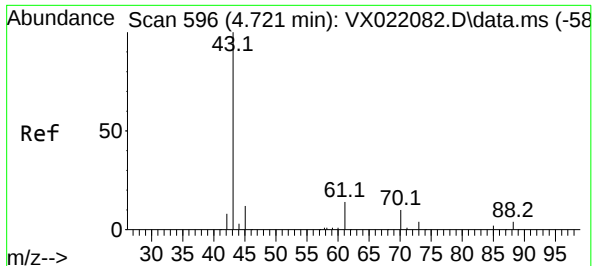
Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 9.93 ug/l

RT: 4.684 min Scan# 590

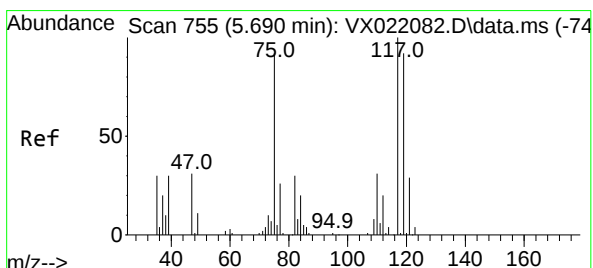
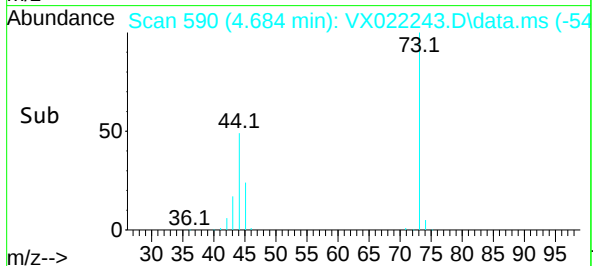
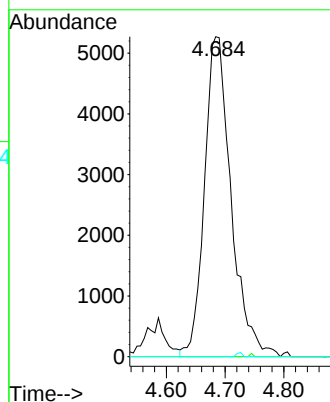
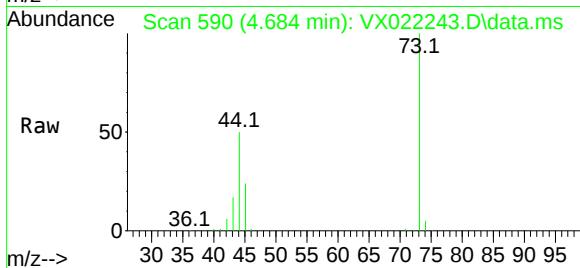
Delta R.T. -0.037 min

Lab File: VX022243.D

Acq: 27 May 2021 19:24

Tgt Ion:	43	Resp:	16609
Ion Ratio	Lower	Upper	
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.21 ug/l

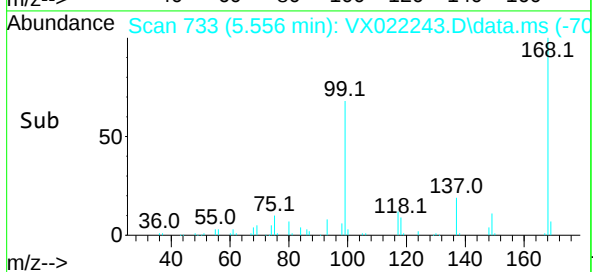
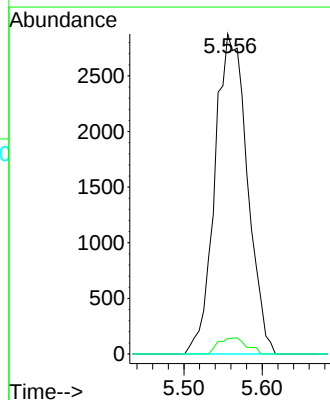
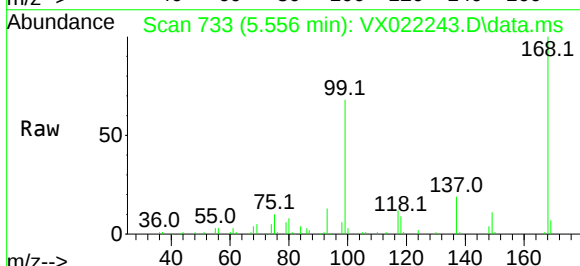
RT: 5.556 min Scan# 733

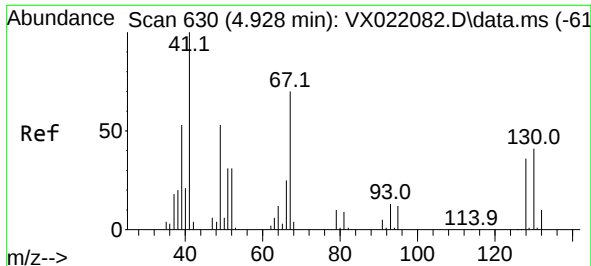
Delta R.T. -0.134 min

Lab File: VX022243.D

Acq: 27 May 2021 19:24

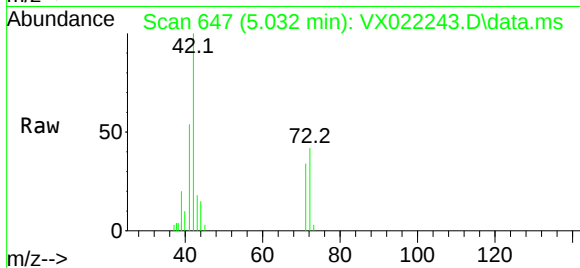
Tgt Ion:	117	Resp:	8288
Ion Ratio	Lower	Upper	
117	100		
119	4.8	76.2	114.2#
121	0.0	24.8	37.2#



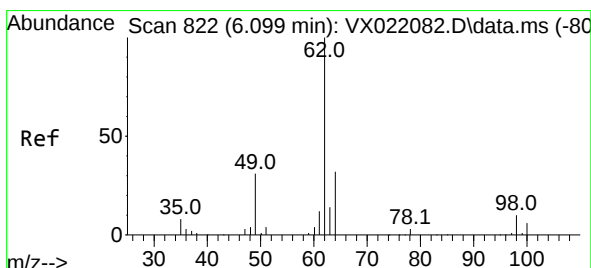
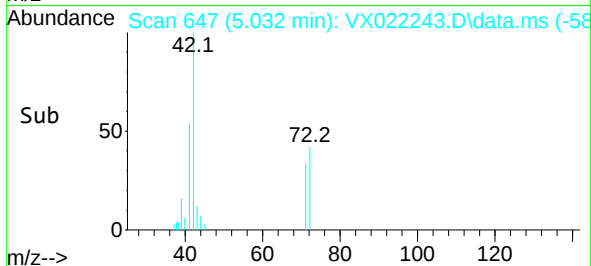
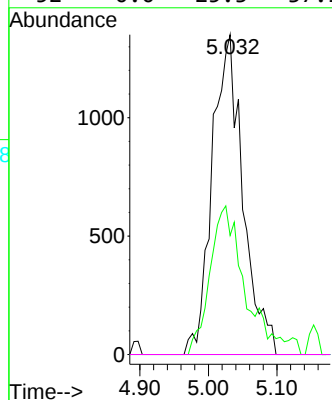


#41
Methacrylonitrile
Concen: 4.70 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Instrument :
MSVOA_X
ClientSampled :

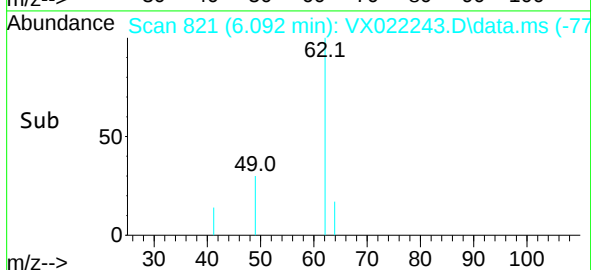
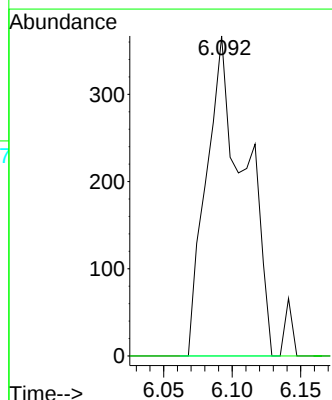
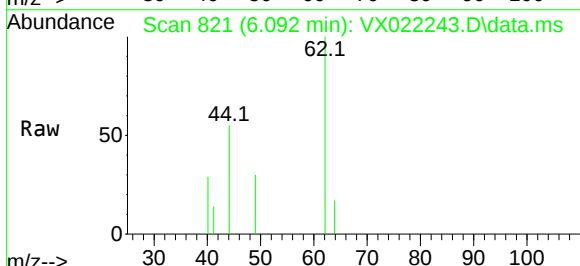


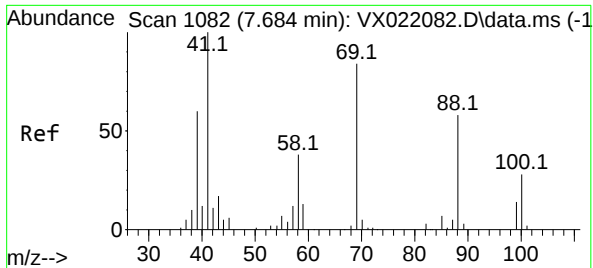
Tgt Ion:	41	Resp:	4201
Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#42
1,2-Dichloroethane
Concen: 0.49 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.007 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Tgt Ion:	62	Resp:	717
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2

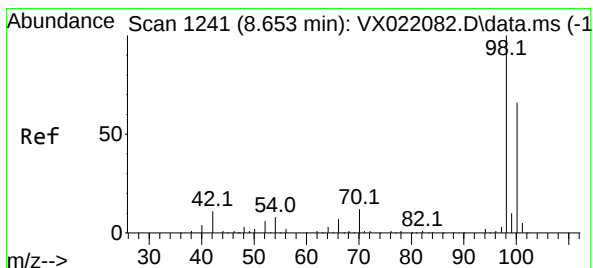
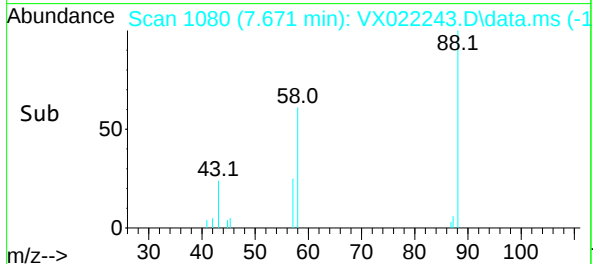
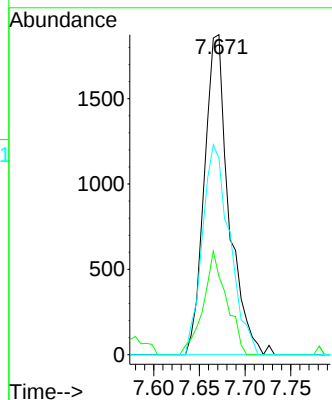
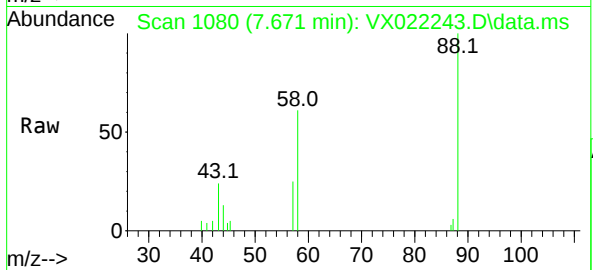




#49
1,4-Dioxane
Concen: 142.69 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.013 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

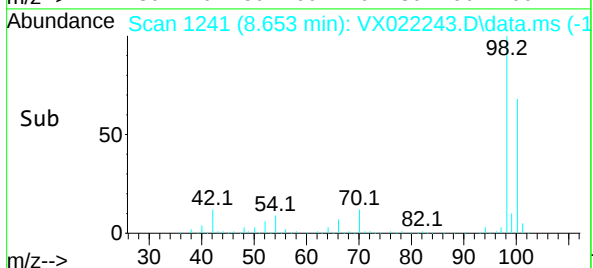
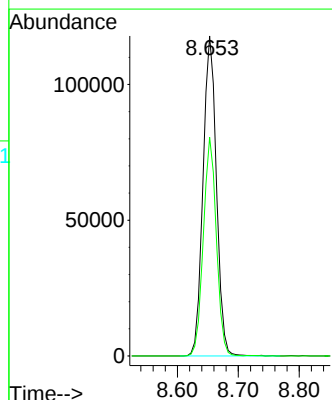
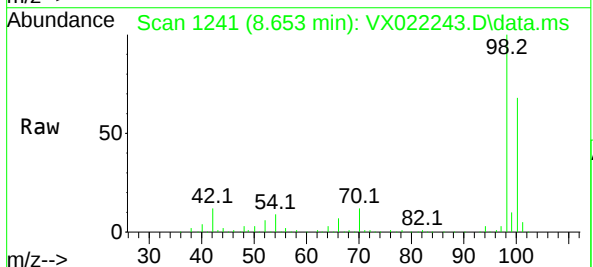
Instrument :
MSVOA_X
ClientSampled :

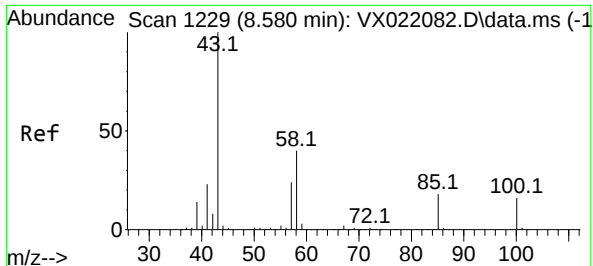
Tgt Ion: 88 Resp: 3502
Ion Ratio Lower Upper
88 100
43 30.5 23.2 34.8
58 73.3 55.0 82.4



#50
Toluene-d8
Concen: 49.97 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Tgt Ion: 98 Resp: 180074
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9

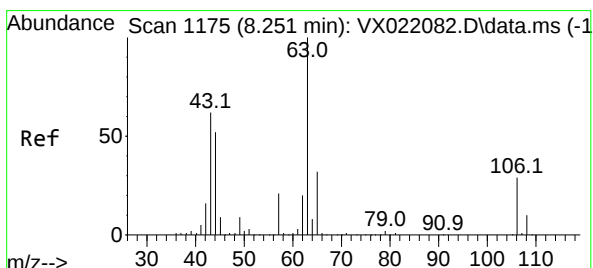
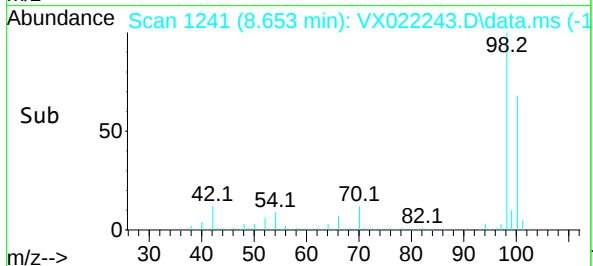
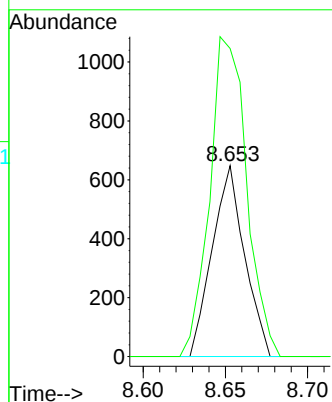
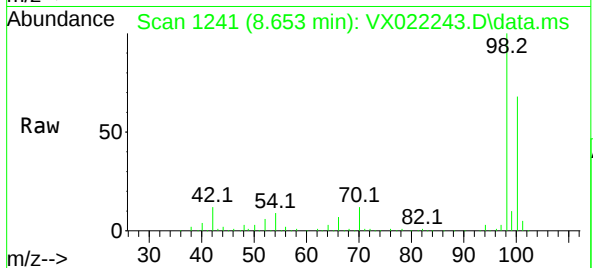




#51
4-Methyl-2-Pentanone
Concen: 0.54 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

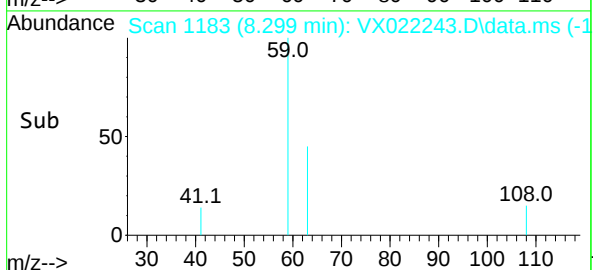
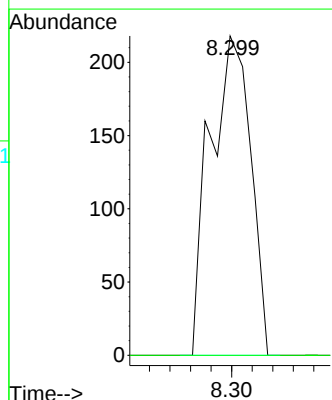
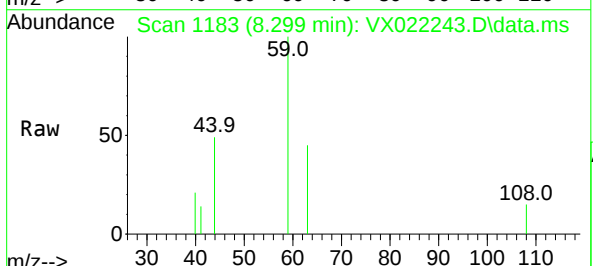
Instrument :
MSVOA_X
ClientSampled :

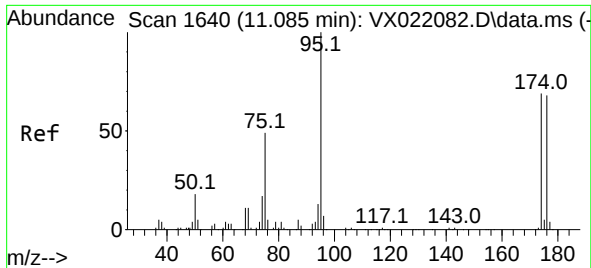
Tgt Ion: 43 Resp: 887
Ion Ratio Lower Upper
43 100
58 191.1 35.4 53.0#



#58
2-Chloroethyl Vinyl ether
Concen: 0.32 ug/l
RT: 8.299 min Scan# 1183
Delta R.T. 0.048 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Tgt Ion: 63 Resp: 300
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#

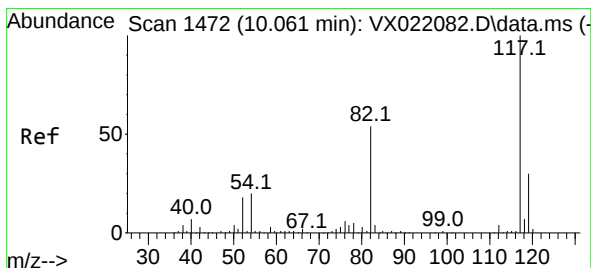
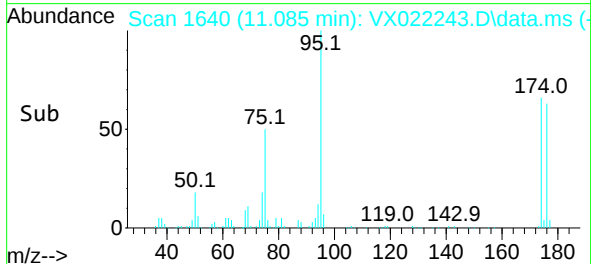
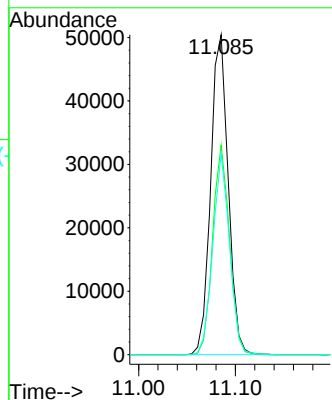
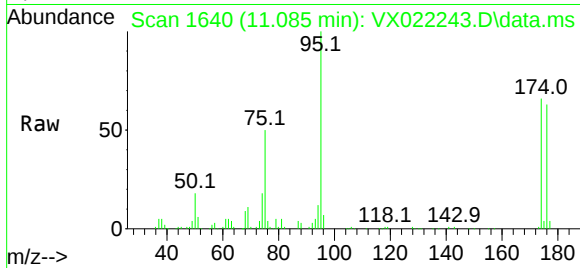




#62
4-Bromofluorobenzene
Concen: 47.76 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

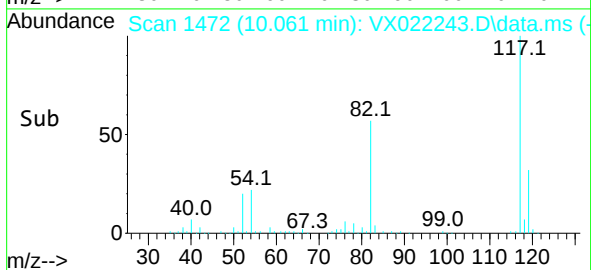
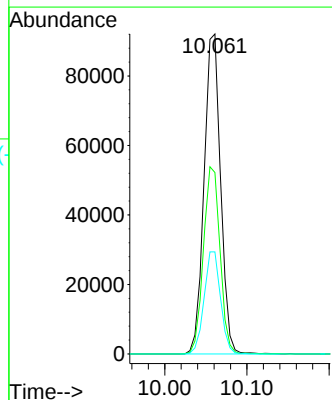
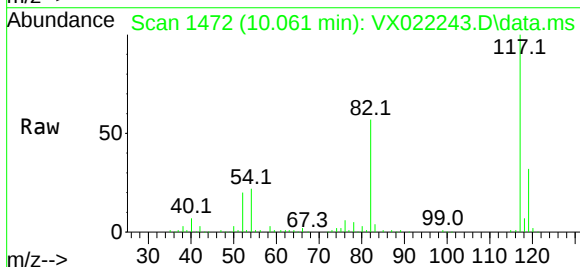
Instrument :
MSVOA_X
ClientSampleId :

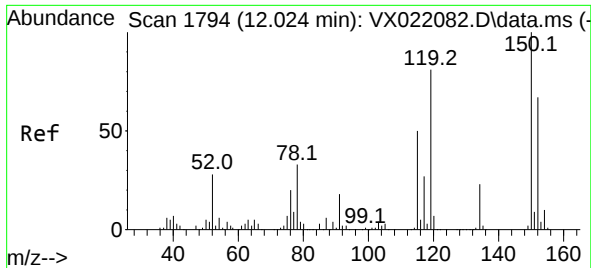
Tgt Ion: 95 Resp: 63616
Ion Ratio Lower Upper
95 100
174 63.0 0.0 154.6
176 59.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Tgt Ion: 117 Resp: 128776
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 31.9 26.6 39.8

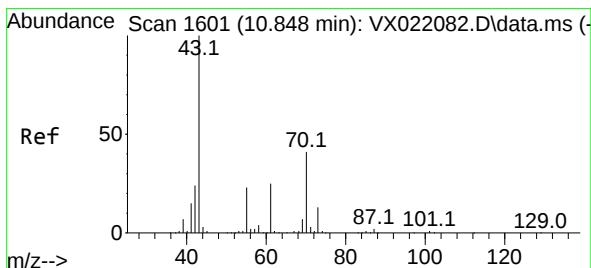
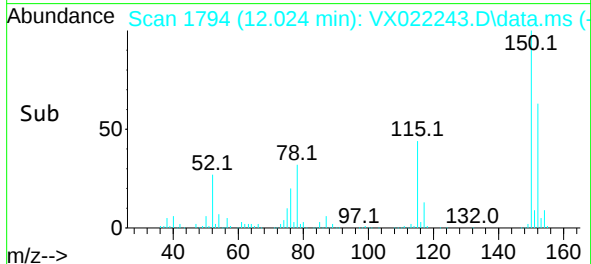
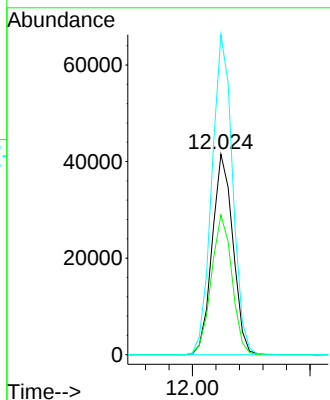
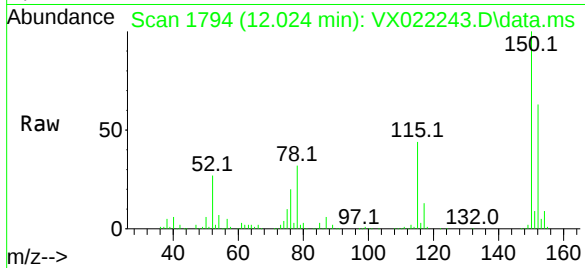




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022243.D
 Acq: 27 May 2021 19:24

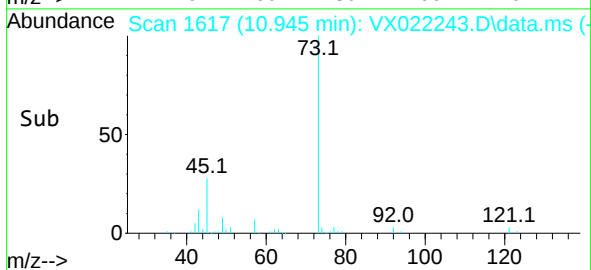
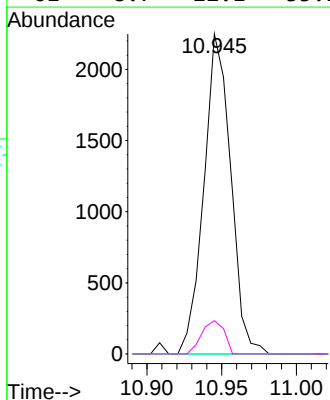
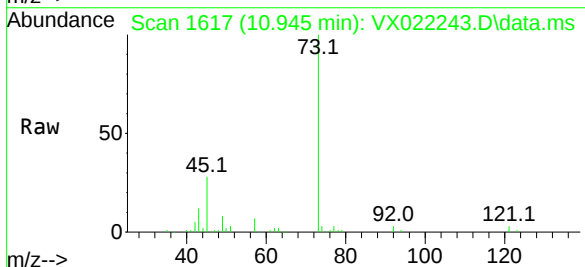
Instrument :
 MSVOA_X
 ClientSampleId :

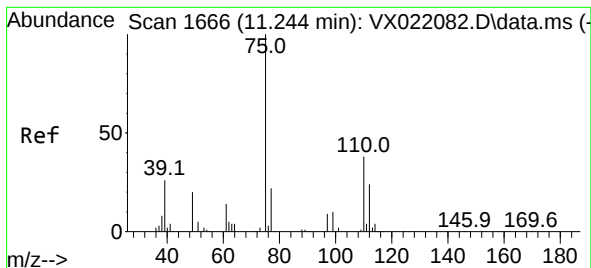
Tgt Ion:152 Resp: 50861
 Ion Ratio Lower Upper
 152 100
 115 69.2 41.1 123.3
 150 159.5 0.0 349.0



#74
 N-ethyl acetate
 Concen: 1.38 ug/l
 RT: 10.945 min Scan# 1617
 Delta R.T. 0.097 min
 Lab File: VX022243.D
 Acq: 27 May 2021 19:24

Tgt Ion: 43 Resp: 2812
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.6#
 55 0.0 21.5 32.3#
 61 8.7 22.1 33.1#

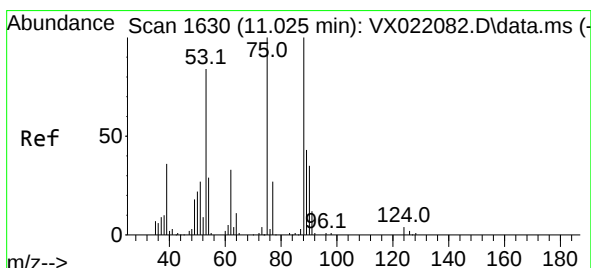
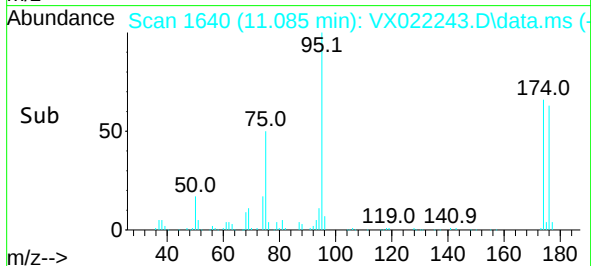
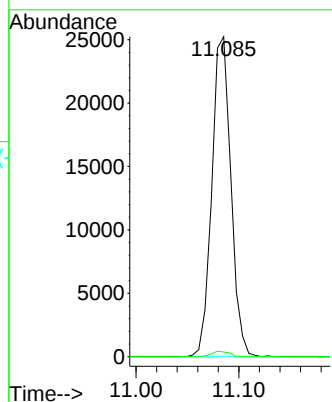
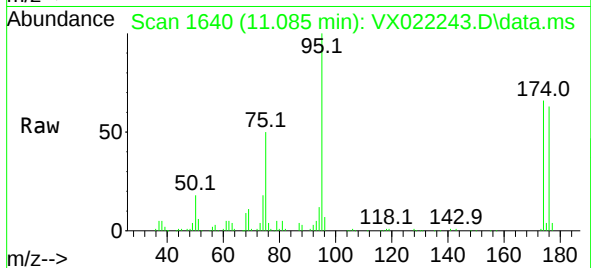




#76
1,2,3-Trichloropropane
Concen: 25.88 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 32477
Ion Ratio Lower Upper
75 100
77 1.5 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.33 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022243.D
Acq: 27 May 2021 19:24

Tgt Ion: 75 Resp: 32477
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

