

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060221\
 Data File : VX022343.D
 Acq On : 02 Jun 2021 17:02
 Operator : JC/MD
 Sample : M2572-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 91BR-20210528

Quant Time: Jun 03 02:22:01 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)

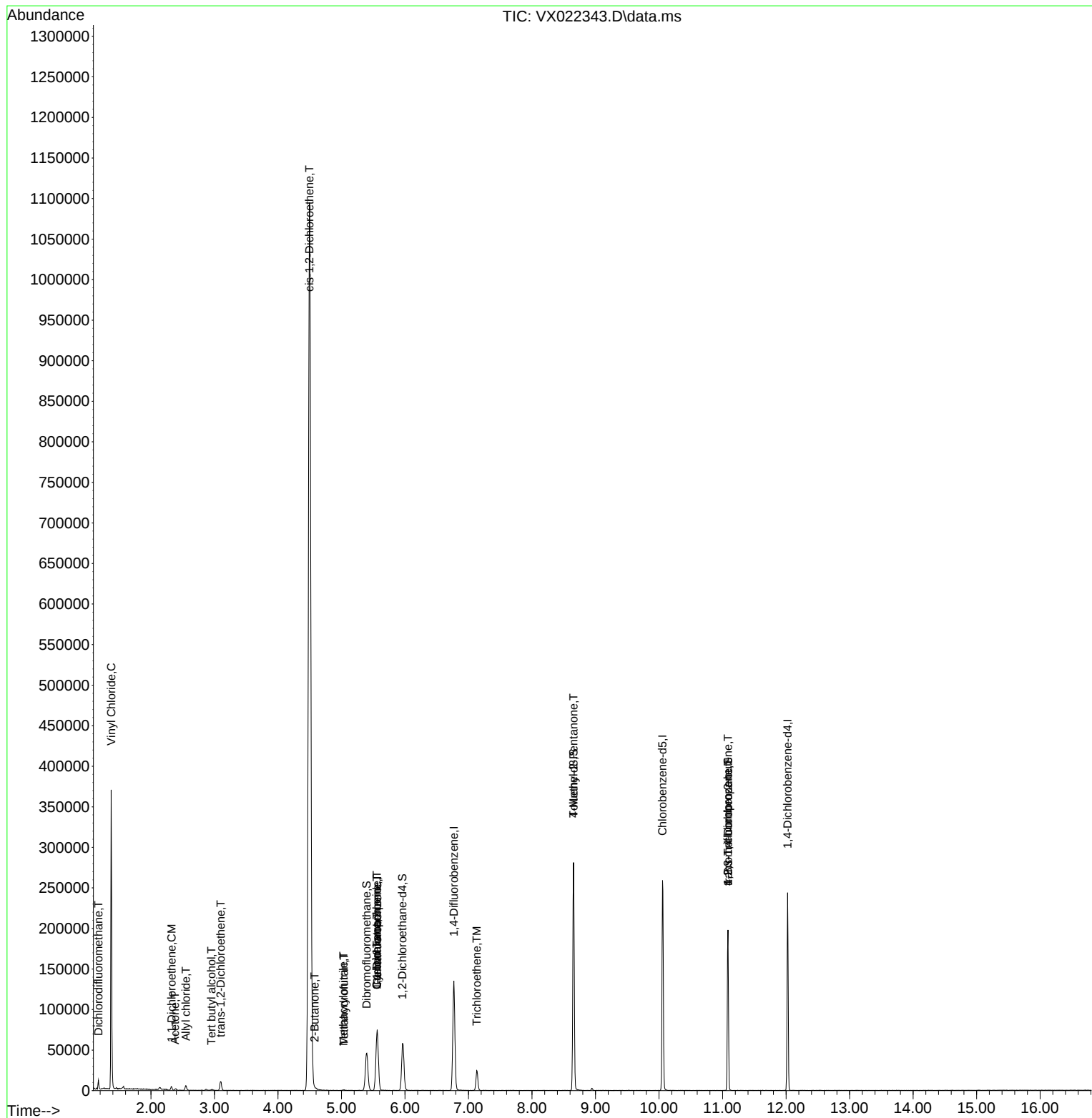
Internal Standards						
1) Pentafluorobenzene	5.562	168	62559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	132445	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	116706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	44107	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	53834	55.79	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.58%
35) Dibromofluoromethane	5.397	113	39935	47.55	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.10%
50) Toluene-d8	8.653	98	161856	50.03	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.06%
62) 4-Bromofluorobenzene	11.085	95	55683	46.56	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.12%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	5463	7.18	ug/l	99
4) Vinyl Chloride	1.374	62	196510	226.37	ug/l	100
11) Tert butyl alcohol	2.953	59	1260	5.71	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	1467	2.05	ug/l #	69
14) Allyl chloride	2.550	41	585	0.44	ug/l #	28
16) Acetone	2.380	43	2107	5.01	ug/l #	88
21) trans-1,2-Dichloroethene	3.099	96	4319	5.54	ug/l	92
25) 2-Butanone	4.574	43	160	0.24	ug/l #	45
27) cis-1,2-Dichloroethene	4.495	96	657055	692.78	ug/l	91
29) Tetrahydrofuran	5.038	42	487	1.20	ug/l #	57
31) Cyclohexane	5.556	56	1808	1.49	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	5759	4.70	ug/l #	45
38) Carbon Tetrachloride	5.556	117	7227	6.03	ug/l #	15
41) Methacrylonitrile	5.032	41	320	0.40	ug/l #	27
44) Trichloroethene	7.129	130	8662	9.25	ug/l	94
51) 4-Methyl-2-Pentanone	8.653	43	765	0.52	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	28790	26.46	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	28790	62.69	ug/l #	12

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

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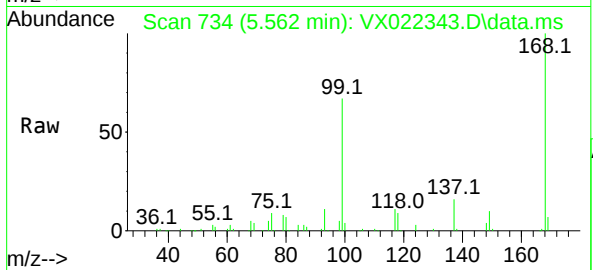
Quant Time: Jun 03 02:22:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
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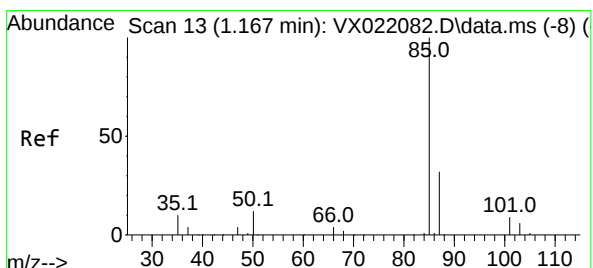
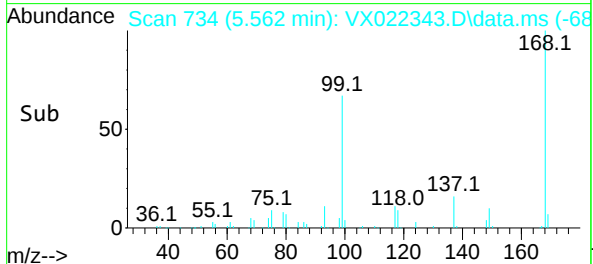
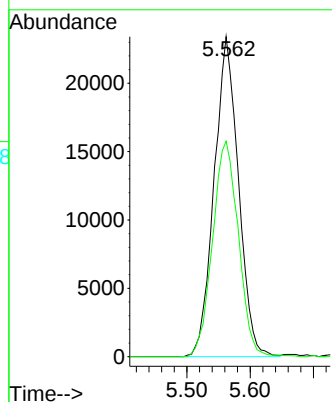


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

Instrument :
MSVOA_X
ClientSampleId :
91BR-20210528

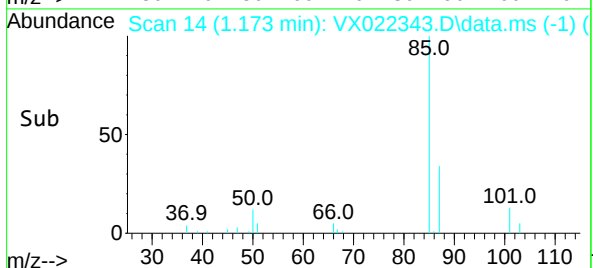
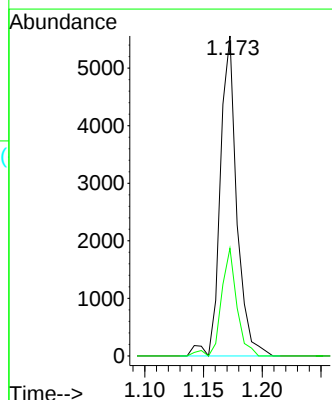
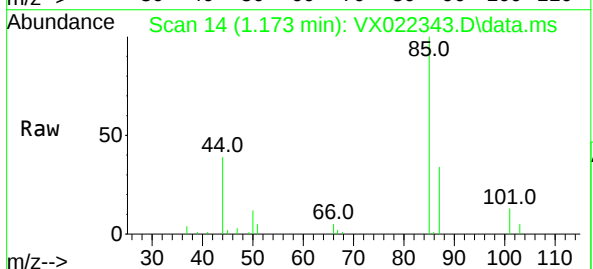


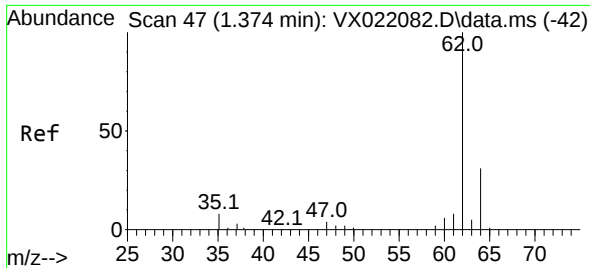
Tgt Ion:168 Resp: 62559
Ion Ratio Lower Upper
168 100
99 67.3 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 7.18 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

Tgt Ion: 85 Resp: 5463
Ion Ratio Lower Upper
85 100
87 33.6 16.4 49.2

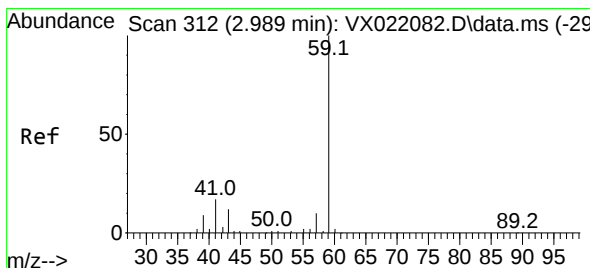
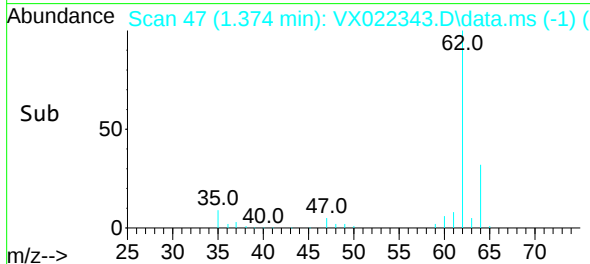
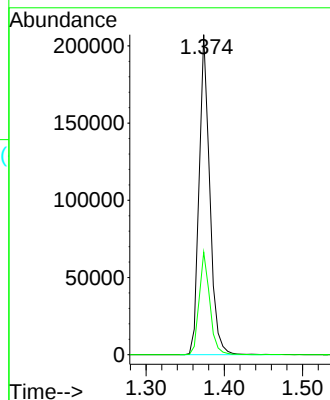
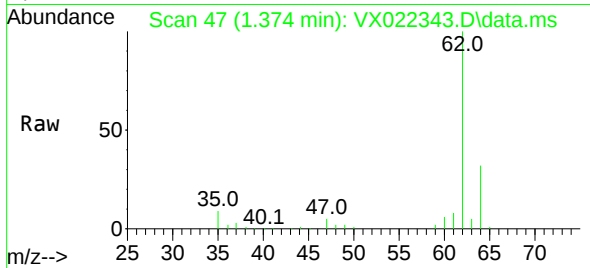




#4
 Vinyl Chloride
 Concen: 226.37 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX022343.D
 Acq: 02 Jun 2021 17:02

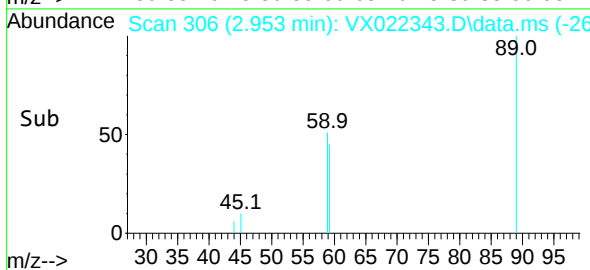
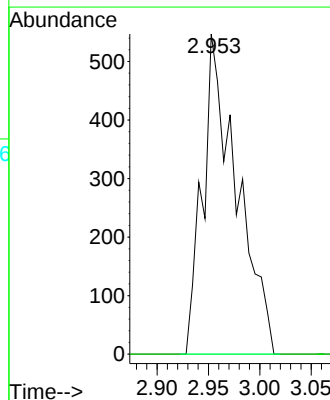
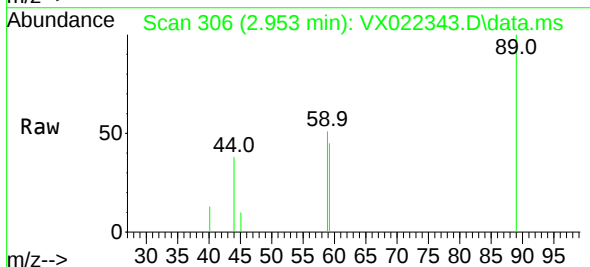
Instrument :
 MSVOA_X
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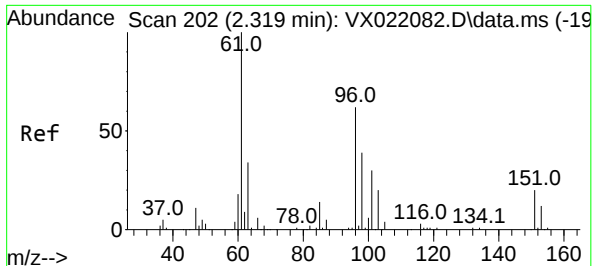
Tgt Ion: 62 Resp: 196510
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.7 38.5



#11
 Tert butyl alcohol
 Concen: 5.71 ug/l
 RT: 2.953 min Scan# 306
 Delta R.T. -0.036 min
 Lab File: VX022343.D
 Acq: 02 Jun 2021 17:02

Tgt Ion: 59 Resp: 1260
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 2.05 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX022343.D

Acq: 02 Jun 2021 17:02

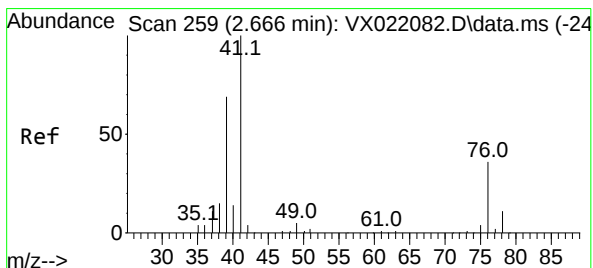
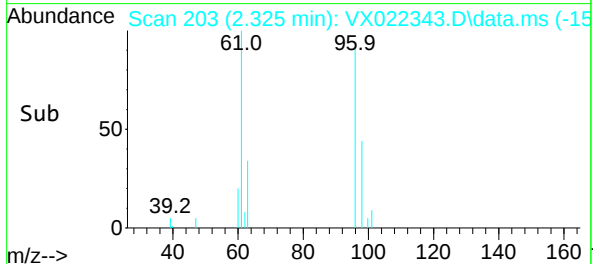
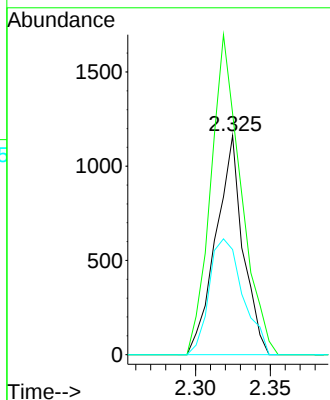
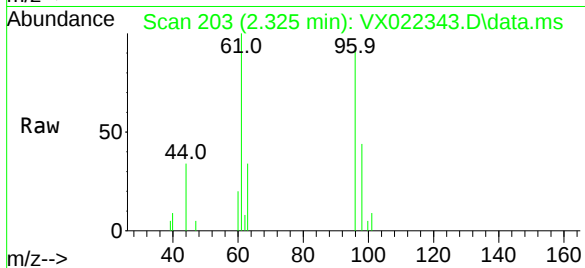
Tgt Ion: 96 Resp: 1467

Ion Ratio Lower Upper

96 100

61 110.2 124.6 187.0#

98 48.0 50.6 76.0#



#14

Allyl chloride

Concen: 0.44 ug/l

RT: 2.550 min Scan# 240

Delta R.T. -0.116 min

Lab File: VX022343.D

Acq: 02 Jun 2021 17:02

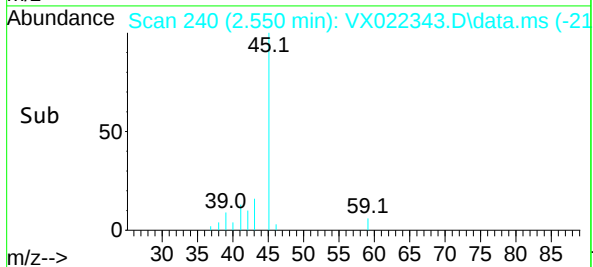
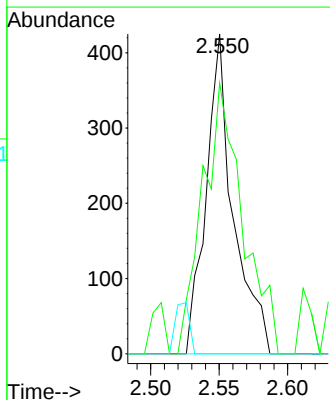
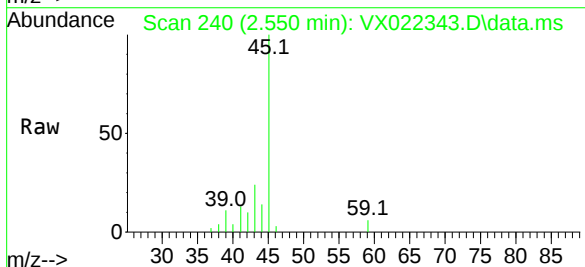
Tgt Ion: 41 Resp: 585

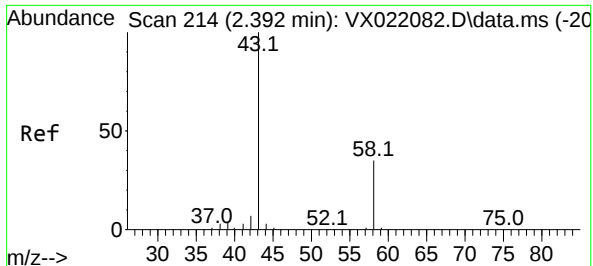
Ion Ratio Lower Upper

41 100

39 125.1 51.6 77.4#

76 0.0 30.5 45.7#

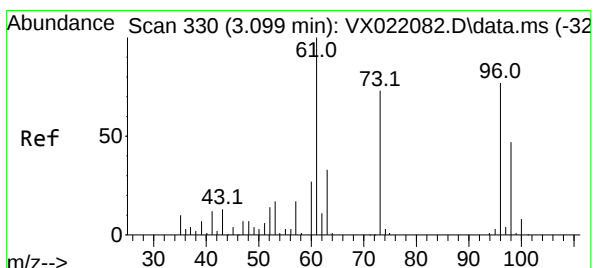
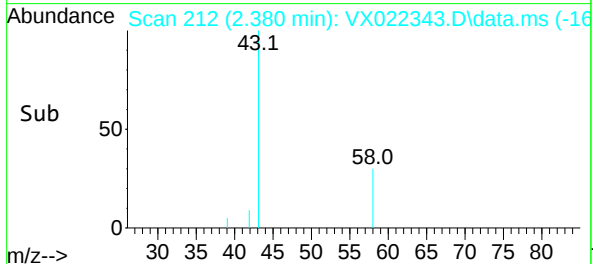
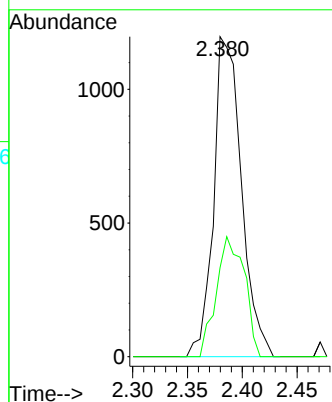
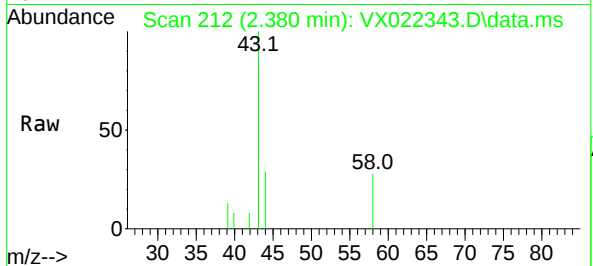




#16
Acetone
Concen: 5.01 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

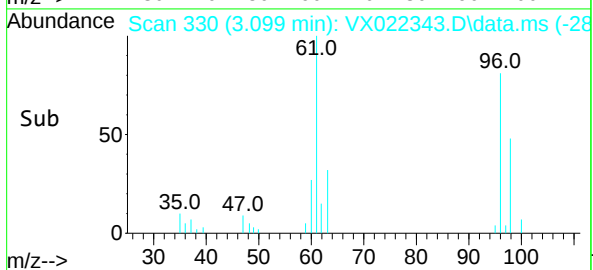
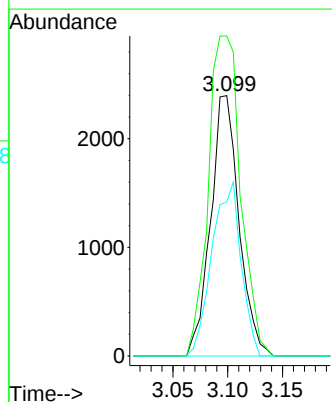
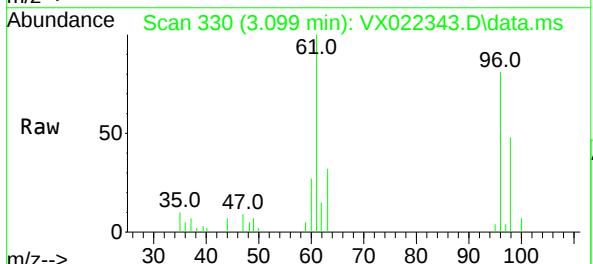
Instrument :
MSVOA_X
ClientSampleId :
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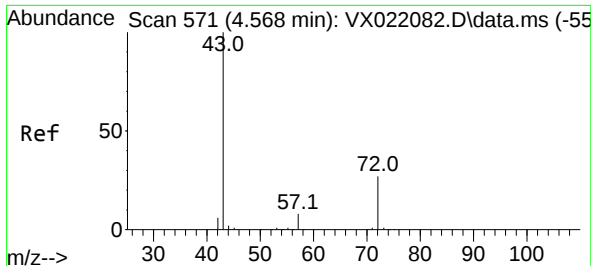
Tgt Ion: 43 Resp: 2107
Ion Ratio Lower Upper
43 100
58 27.8 27.8 41.8#



#21
trans-1,2-Dichloroethene
Concen: 5.54 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.000 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

Tgt Ion: 96 Resp: 4319
Ion Ratio Lower Upper
96 100
61 123.0 107.7 161.5
98 59.1 50.4 75.6

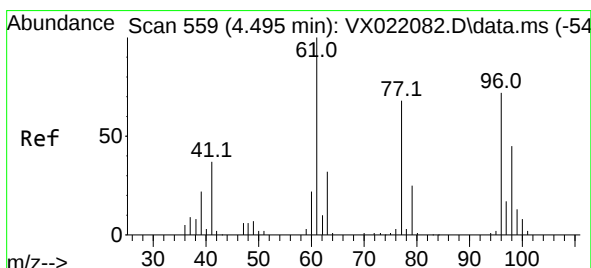
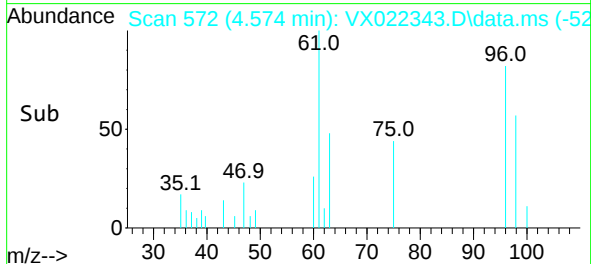
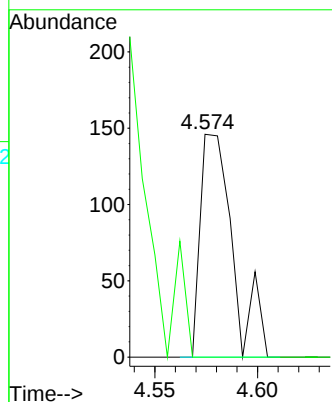
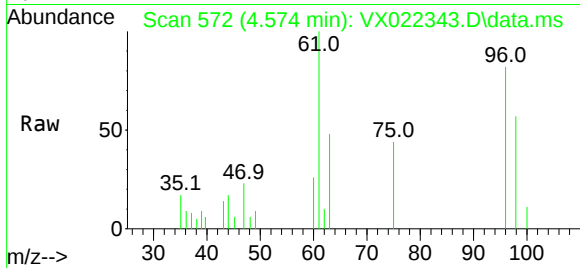




#25
2-Butanone
Concen: 0.24 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

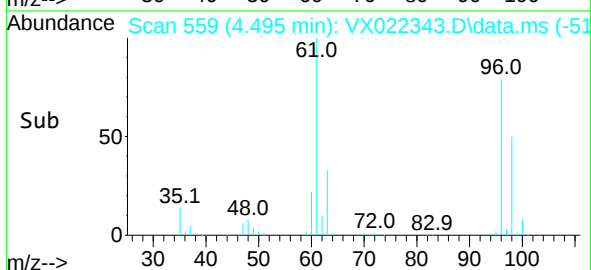
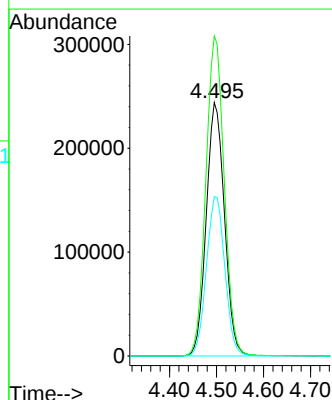
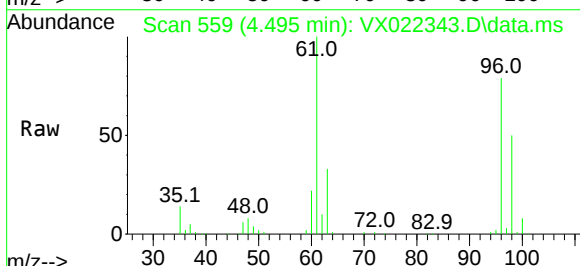
Instrument :
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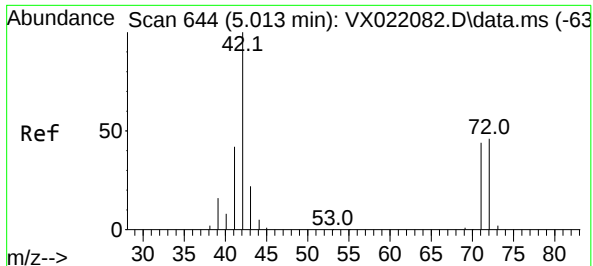
Tgt Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 692.78 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

Tgt Ion: 96 Resp: 657055
Ion Ratio Lower Upper
96 100
61 127.2 0.0 285.6
98 63.9 0.0 129.6





#29

Tetrahydrofuran

Concen: 1.20 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.025 min

Lab File: VX022343.D

Acq: 02 Jun 2021 17:02

Tgt Ion: 42 Resp: 487

Ion Ratio Lower Upper

42 100

72 36.3 41.7 62.5#

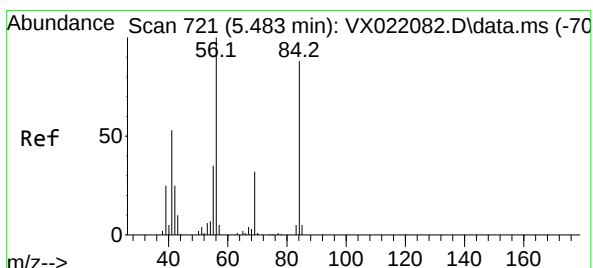
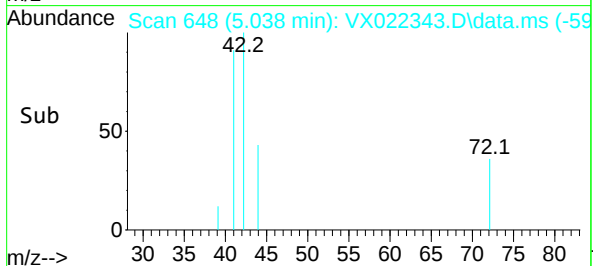
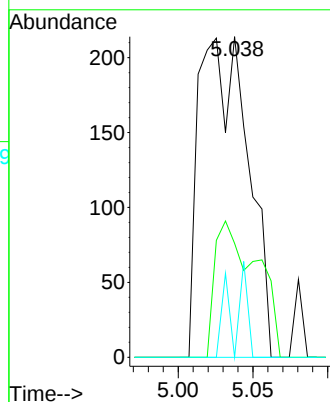
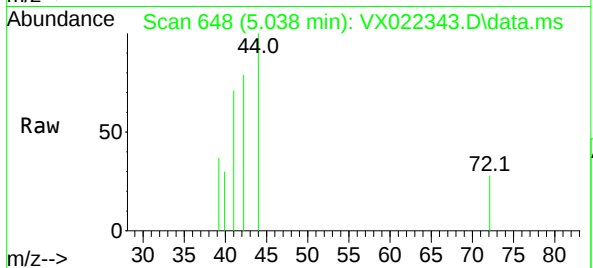
71 4.1 38.4 57.6#

Instrument :

MSVOA_X

ClientSampleId :

91BR-20210528



#31

Cyclohexane

Concen: 1.49 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.073 min

Lab File: VX022343.D

Acq: 02 Jun 2021 17:02

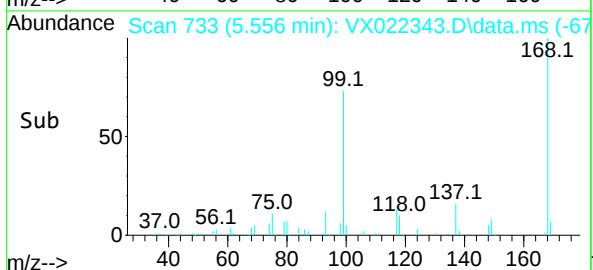
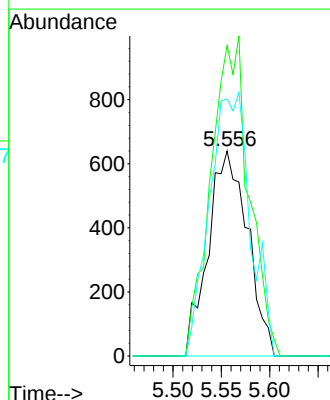
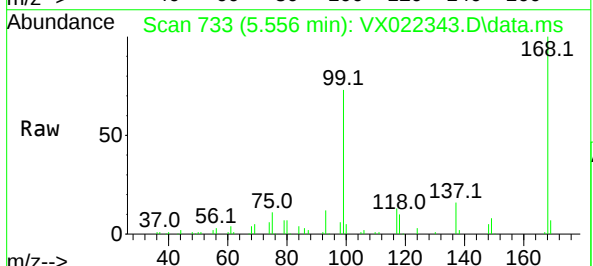
Tgt Ion: 56 Resp: 1808

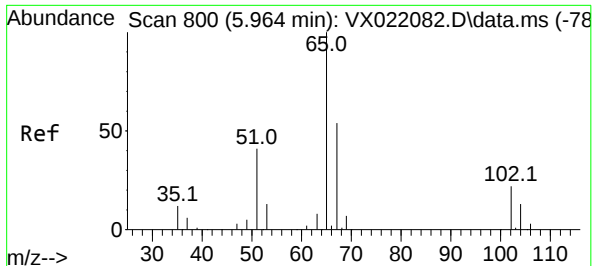
Ion Ratio Lower Upper

56 100

69 151.4 25.3 37.9#

84 125.3 71.4 107.0#



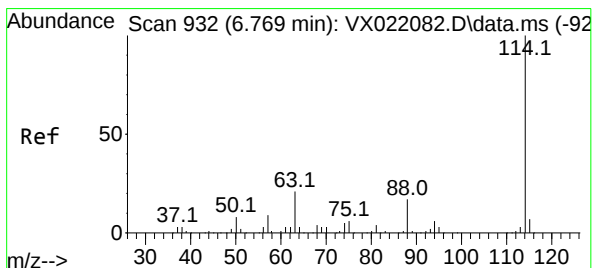
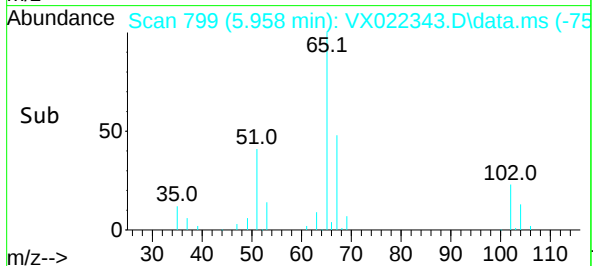
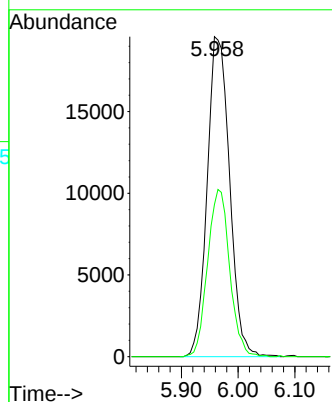
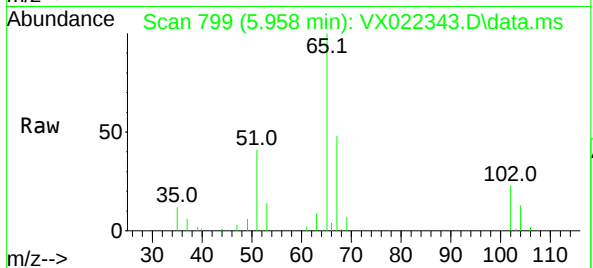


#33

1,2-Dichloroethane-d4
Concen: 55.79 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

Instrument :
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ClientSampleId :
91BR-20210528

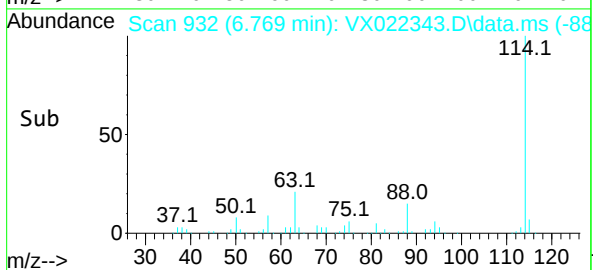
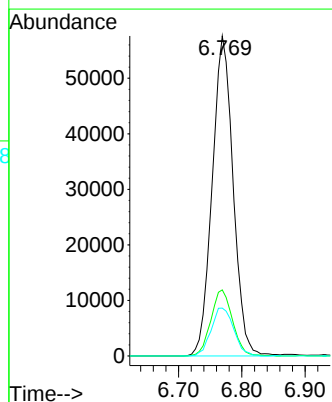
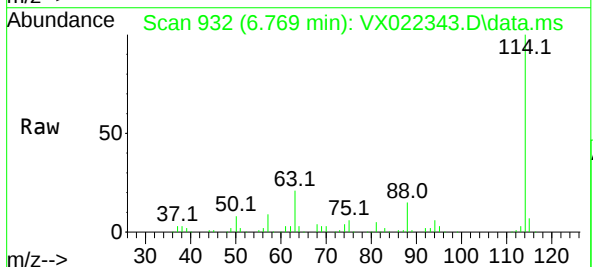
Tgt Ion: 65 Resp: 53834
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.4

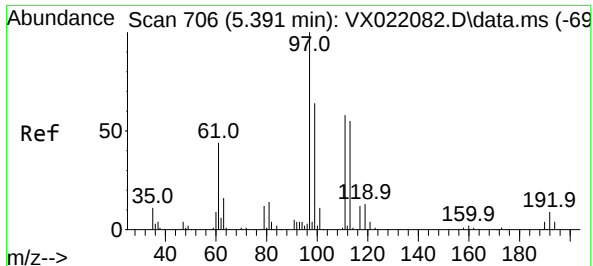


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

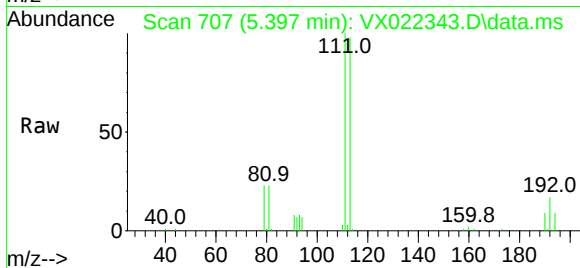
Tgt Ion: 114 Resp: 132445
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 15.0 0.0 32.8



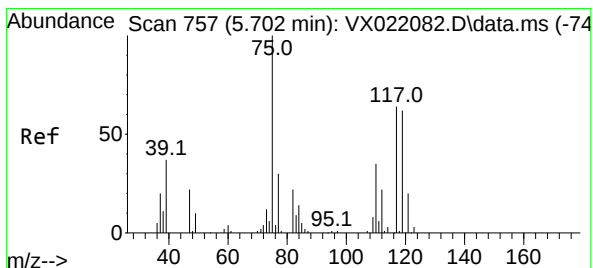
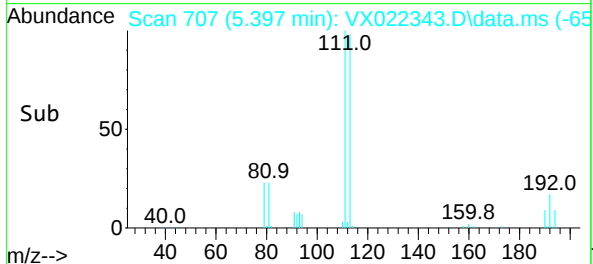
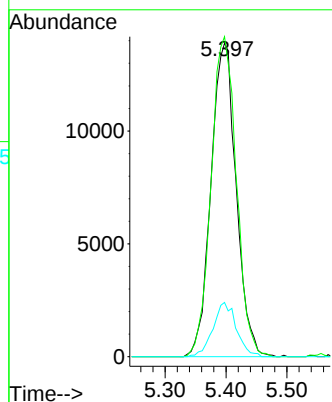


#35
Dibromofluoromethane
Concen: 47.55 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

Instrument :
MSVOA_X
ClientSampleId :
91BR-20210528

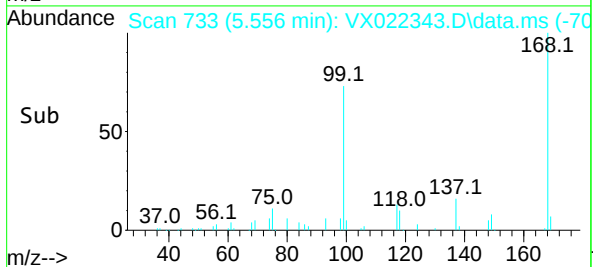
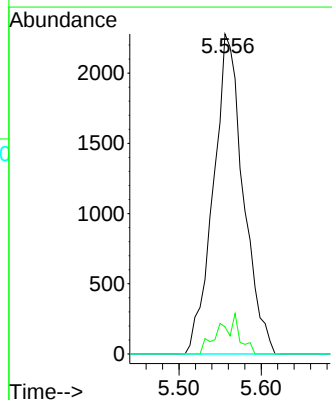
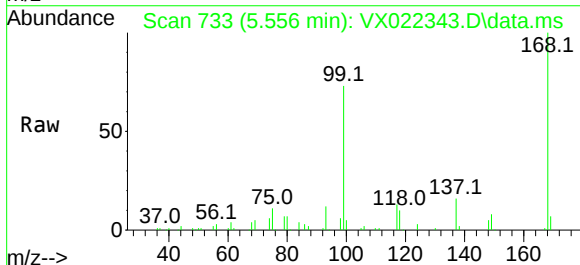


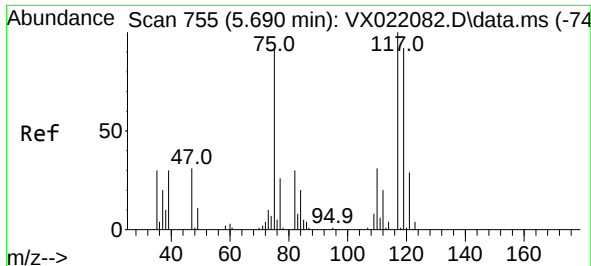
Tgt Ion:113 Resp: 39935
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 16.1 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 4.70 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

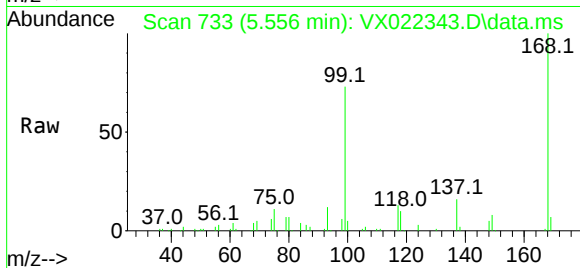
Tgt Ion: 75 Resp: 5759
Ion Ratio Lower Upper
75 100
110 5.3 18.1 54.4#
77 0.0 25.3 37.9#



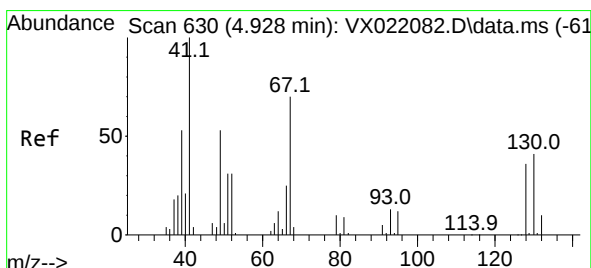
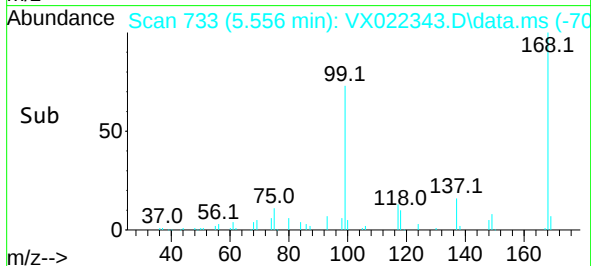
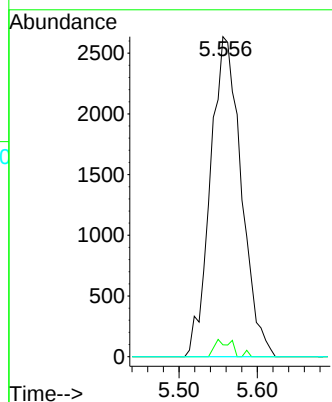


#38
Carbon Tetrachloride
Concen: 6.03 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

Instrument :
MSVOA_X
ClientSampleId :
91BR-20210528

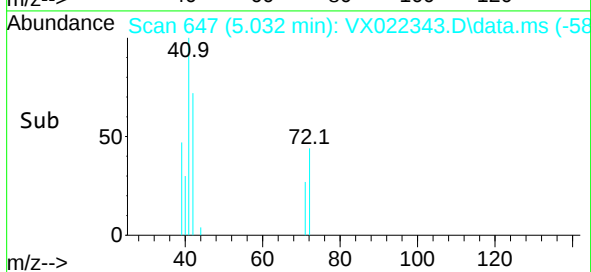
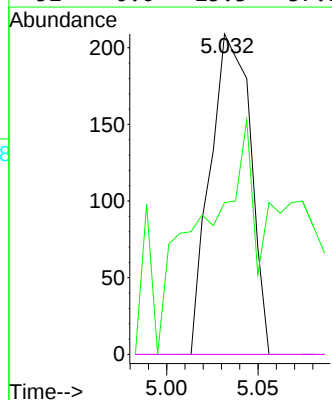
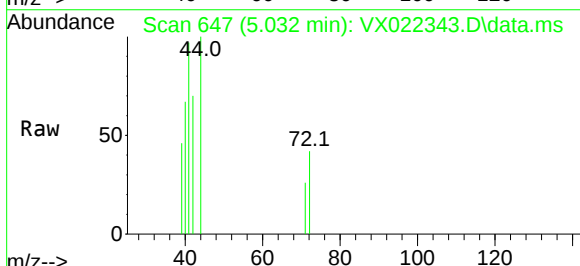


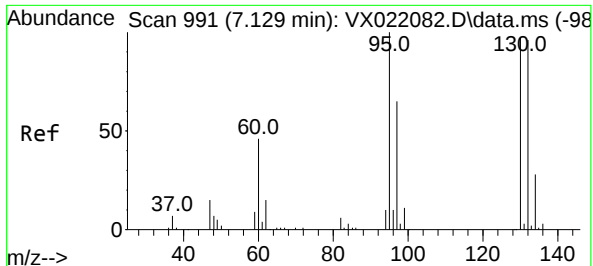
Tgt Ion:117 Resp: 7227
Ion Ratio Lower Upper
117 100
119 3.7 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.40 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

Tgt Ion: 41 Resp: 320
Ion Ratio Lower Upper
41 100
39 92.5 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

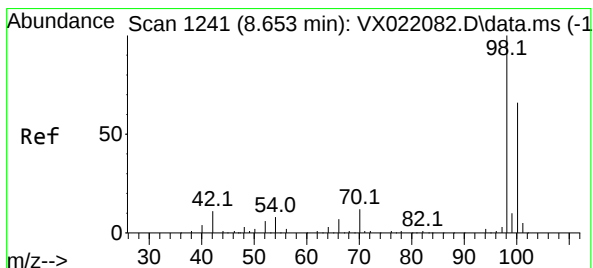
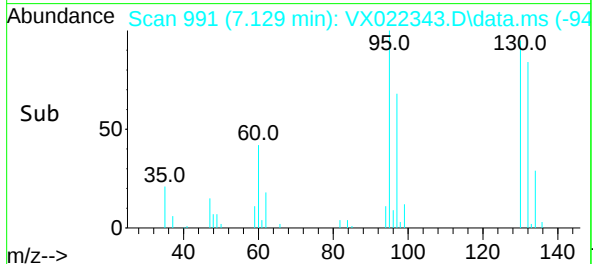
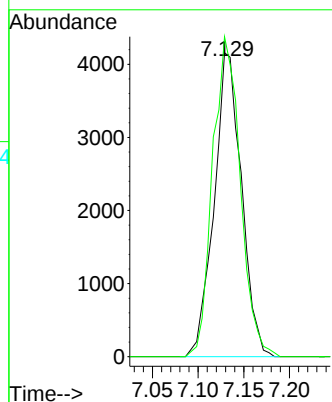
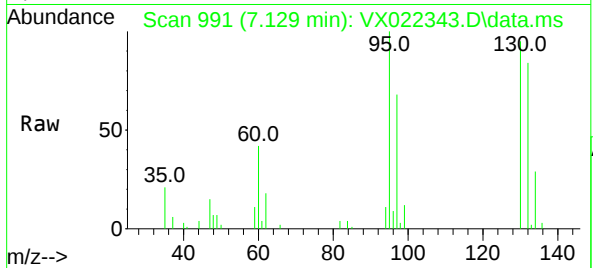




#44
Trichloroethene
Concen: 9.25 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

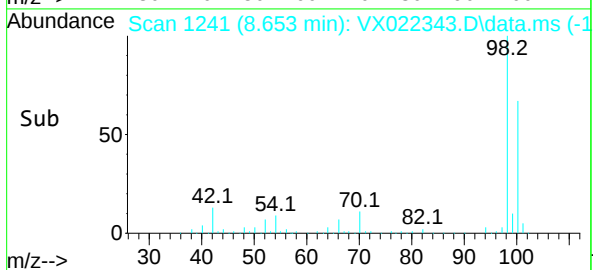
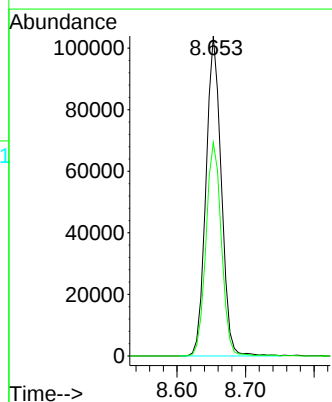
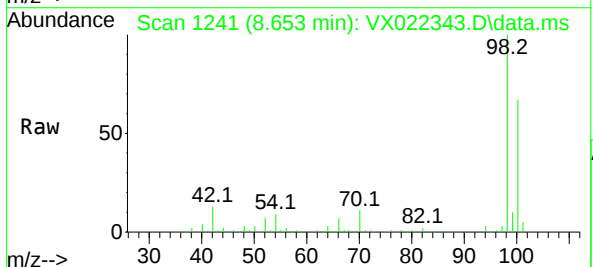
Instrument :
MSVOA_X
ClientSampleId :
91BR-20210528

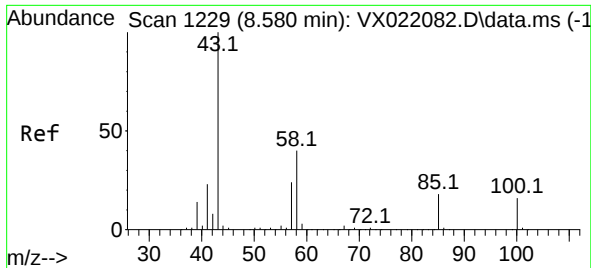
Tgt Ion:130 Resp: 8662
Ion Ratio Lower Upper
130 100
95 105.2 0.0 198.0



#50
Toluene-d8
Concen: 50.03 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

Tgt Ion: 98 Resp: 161856
Ion Ratio Lower Upper
98 100
100 66.9 51.9 77.9

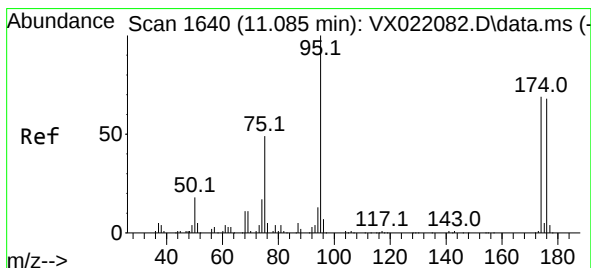
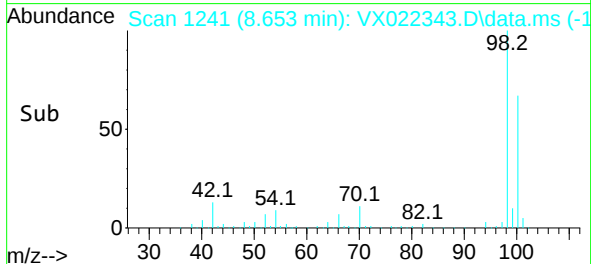
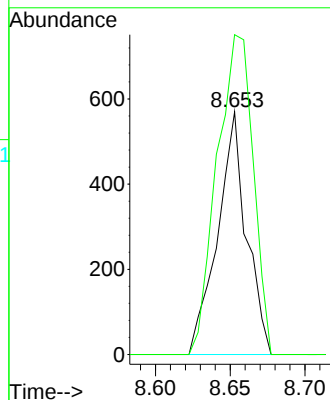
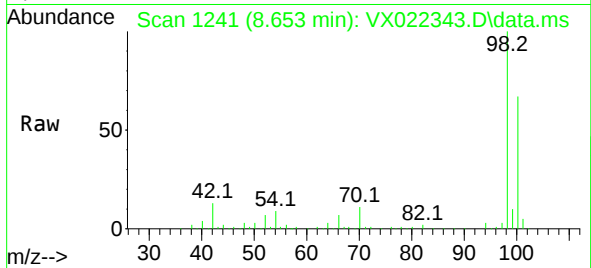




#51
4-Methyl-2-Pentanone
Concen: 0.52 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

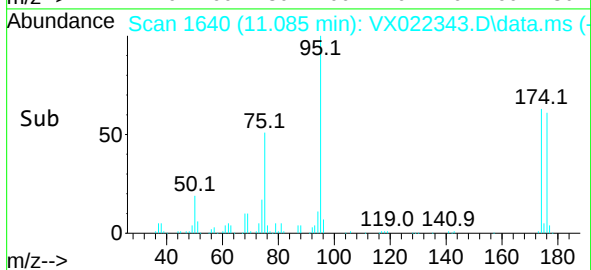
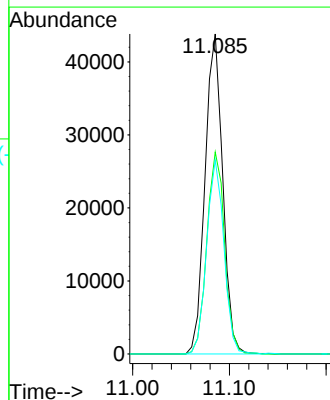
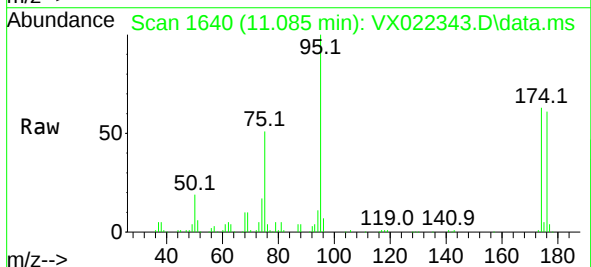
Instrument :
MSVOA_X
ClientSampleId :
91BR-20210528

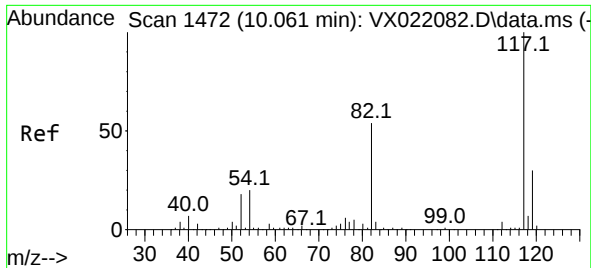
Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
58 165.2 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 46.56 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

Tgt Ion: 95 Resp: 55683
Ion Ratio Lower Upper
95 100
174 63.4 0.0 154.6
176 59.4 0.0 155.8

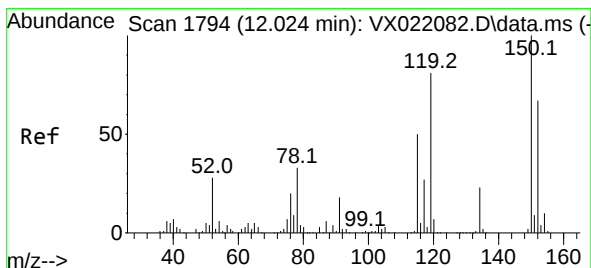
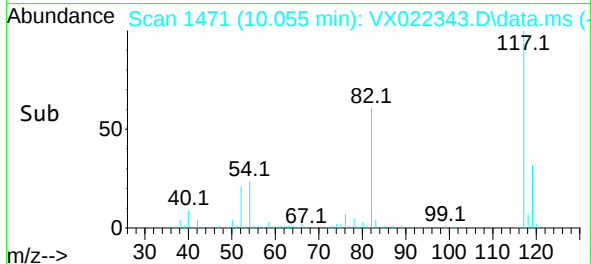
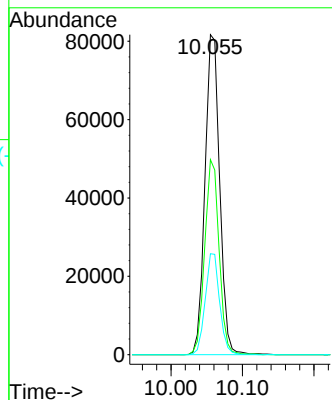
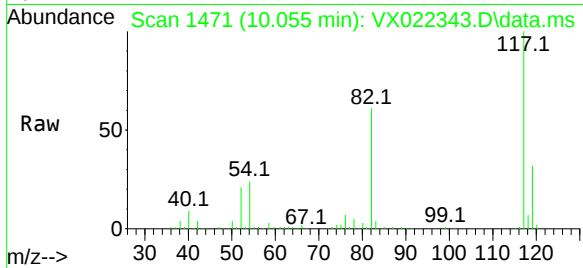




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

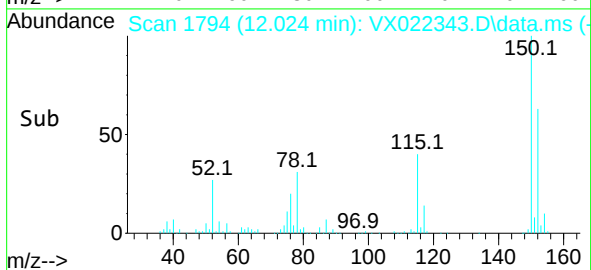
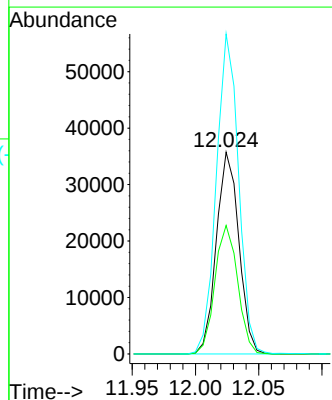
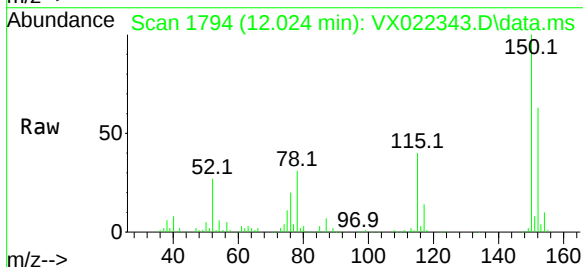
Instrument :
MSVOA_X
ClientSampleId :
91BR-20210528

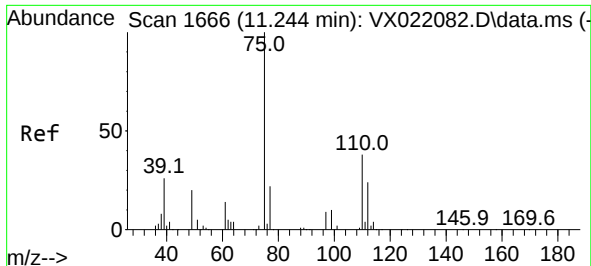
Tgt Ion:117 Resp: 116706
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.2
119 31.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

Tgt Ion:152 Resp: 44107
Ion Ratio Lower Upper
152 100
115 64.4 41.1 123.3
150 157.0 0.0 349.0

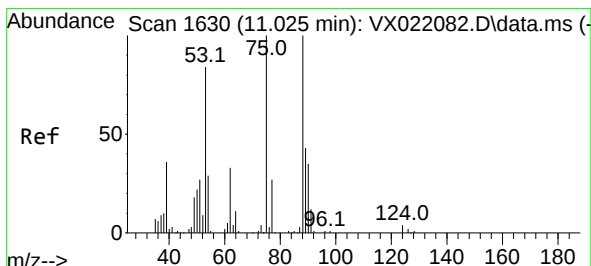
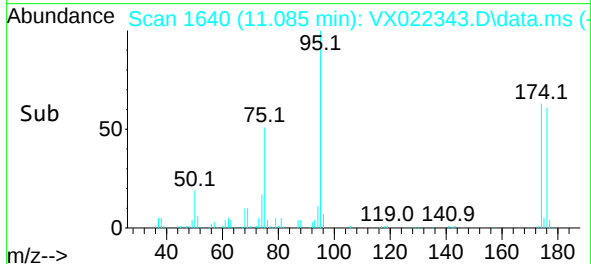
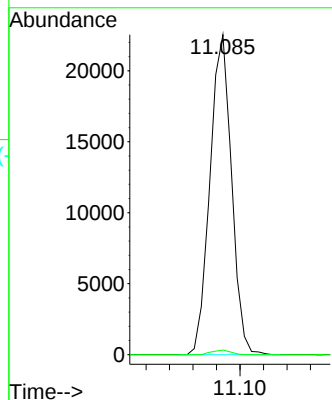
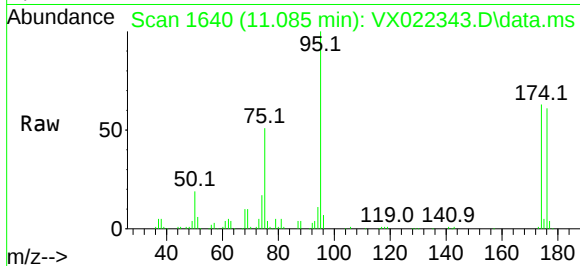




#76
1,2,3-Trichloropropane
Concen: 26.46 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

Instrument :
MSVOA_X
ClientSampleId :
91BR-20210528

Tgt Ion: 75 Resp: 28790
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.69 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022343.D
Acq: 02 Jun 2021 17:02

Tgt Ion: 75 Resp: 28790
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

