

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073021\
 Data File : VX023515.D
 Acq On : 29 Jul 2021 15:58
 Operator : JC/MD
 Sample : M3216-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 30 03:43:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

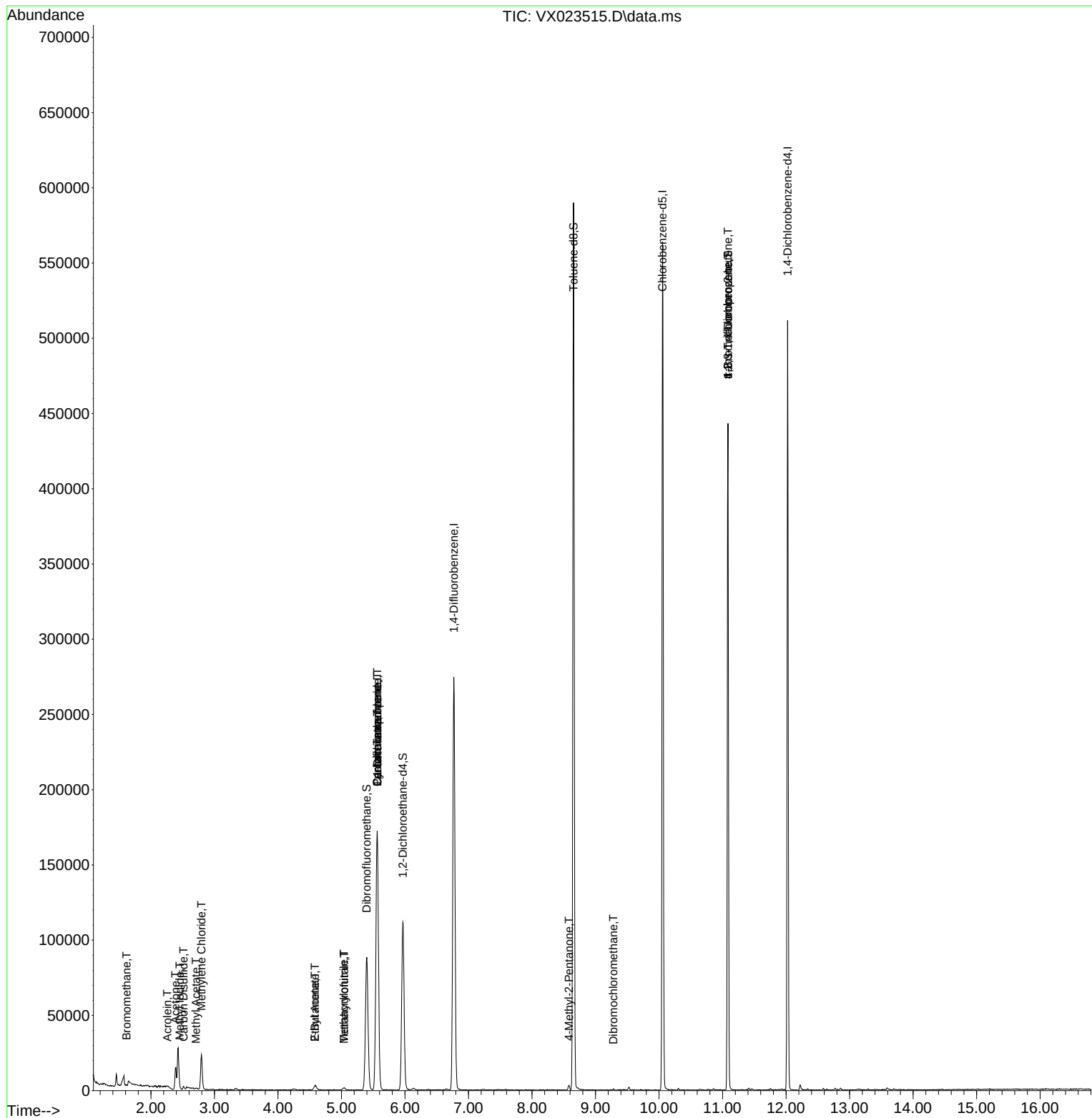
Internal Standards						
1) Pentafluorobenzene	5.562	168	165313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	280692	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107302	52.034	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.060%	
35) Dibromofluoromethane	5.397	113	74351	42.365	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 84.720%	
50) Toluene-d8	8.653	98	336939	52.255	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.520%	
62) 4-Bromofluorobenzene	11.085	95	113361	51.702	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.400%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	488	0.458	ug/l #	69
10) Methyl Iodide	2.453	142	547	0.267	ug/l #	77
13) Acrolein	2.258	56	85	1.717	ug/l #	1
16) Acetone	2.386	43	15364	15.188	ug/l #	87
17) Carbon Disulfide	2.514	76	2520	0.629	ug/l	99
18) Methyl Acetate	2.709	43	716	0.298	ug/l #	47
20) Methylene Chloride	2.794	84	9652	4.905	ug/l	91
25) 2-Butanone	4.580	43	3991	2.541	ug/l #	76
29) Tetrahydrofuran	5.044	42	1255	1.219	ug/l #	72
31) Cyclohexane	5.562	56	3638	1.191	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	12703	5.003	ug/l #	49
37) Ethyl Acetate	4.580	43	3991	1.247	ug/l #	64
38) Carbon Tetrachloride	5.562	117	16316	6.318	ug/l #	16
41) Methacrylonitrile	5.038	41	978	0.579	ug/l #	37
51) 4-Methyl-2-Pentanone	8.580	43	2103	0.693	ug/l	95
60) Dibromochloromethane	9.281	129	50	2.006	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	58660	26.090	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	58660	70.152	ug/l #	12

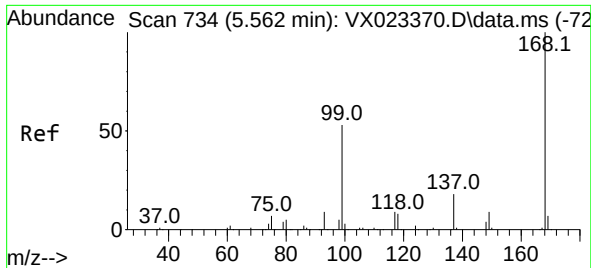
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 30 03:43:25 2021
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QLast Update : Fri Jul 23 06:05:38 2021
Response via : Initial Calibration

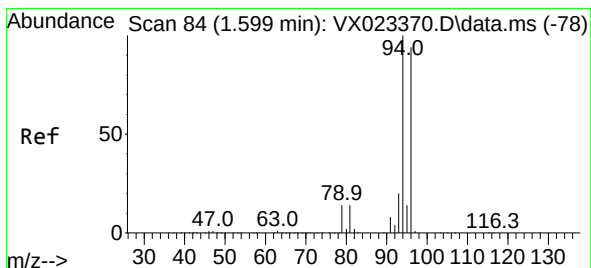
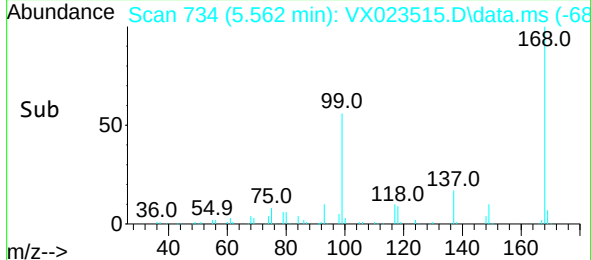
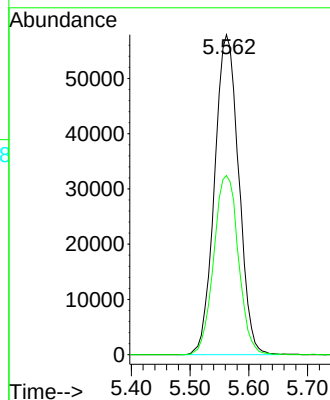
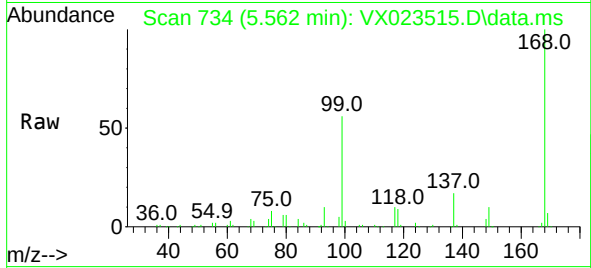




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

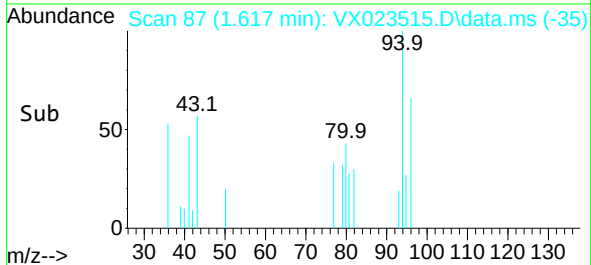
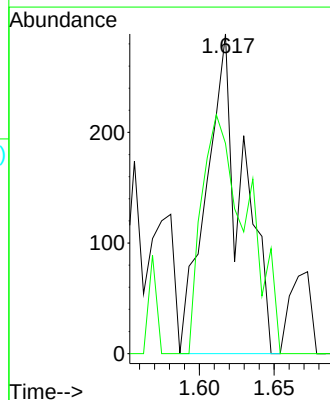
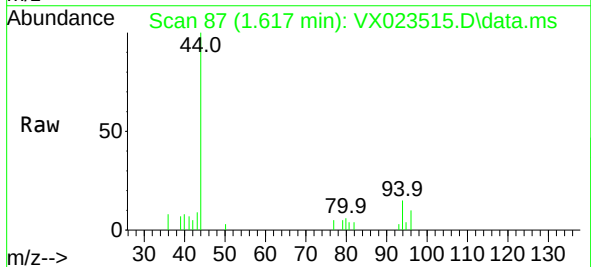
Instrument :
MSVOA_X
ClientSampleId :

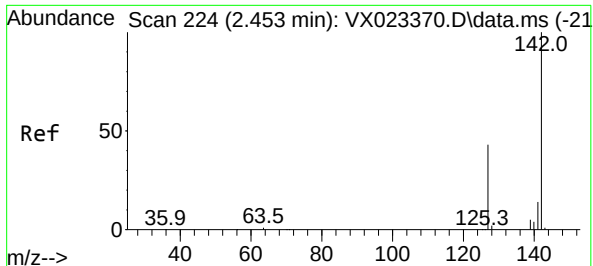
Tgt Ion:168 Resp: 165313
Ion Ratio Lower Upper
168 100
99 56.0 45.8 68.6



#5
Bromomethane
Concen: 0.458 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

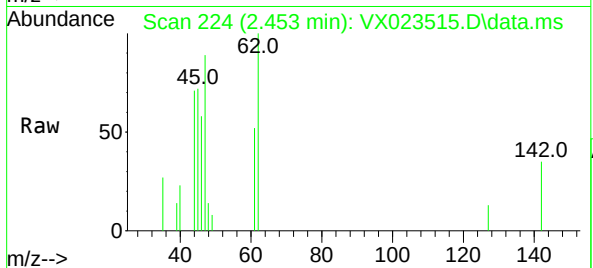
Tgt Ion: 94 Resp: 488
Ion Ratio Lower Upper
94 100
96 65.7 76.4 114.6#



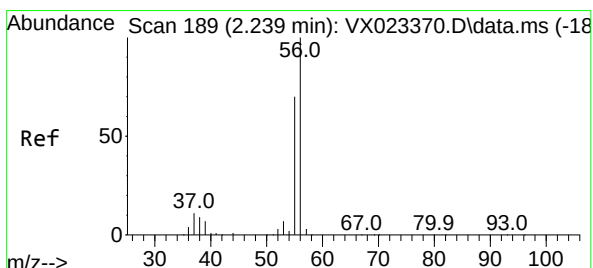
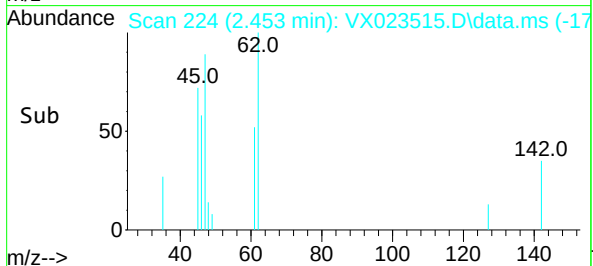
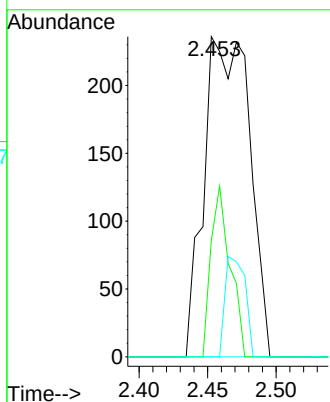


#10
Methyl Iodide
Concen: 0.267 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

Instrument :
MSVOA_X
ClientSampleId :

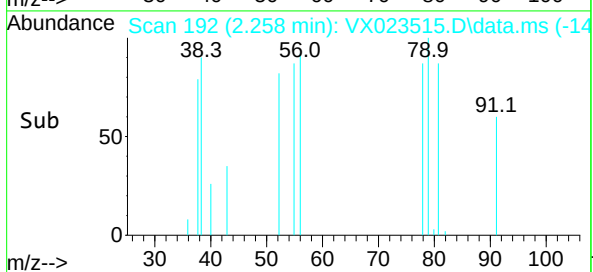
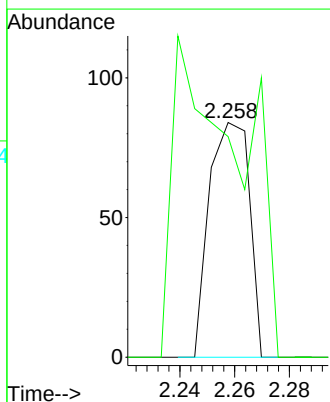
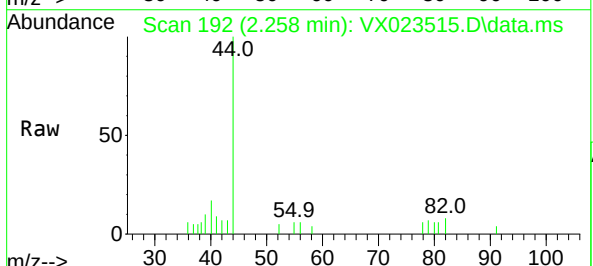


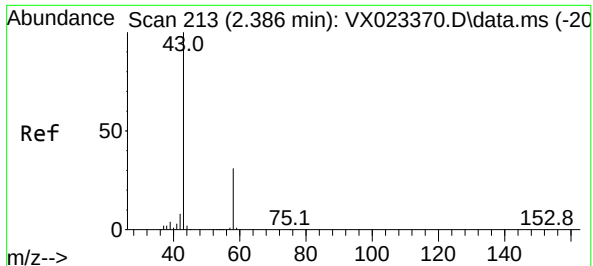
Tgt Ion:	142	Resp:	547
Ion Ratio	100	Lower	Upper
127	22.5	33.3	49.9#
141	13.7	11.4	17.0



#13
Acrolein
Concen: 1.717 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.019 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

Tgt Ion:	56	Resp:	85
Ion Ratio	100	Lower	Upper
55	227.1	56.4	84.6#

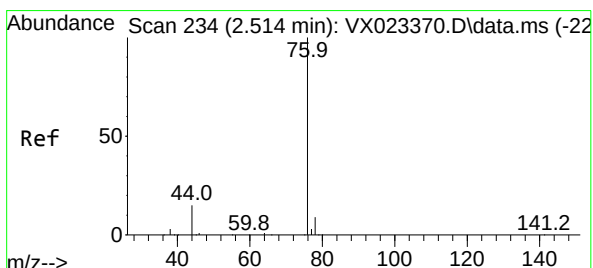
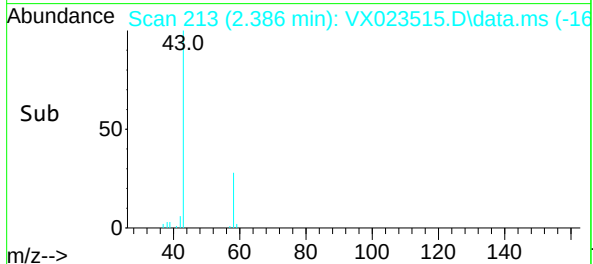
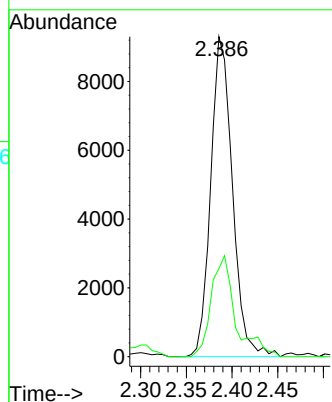
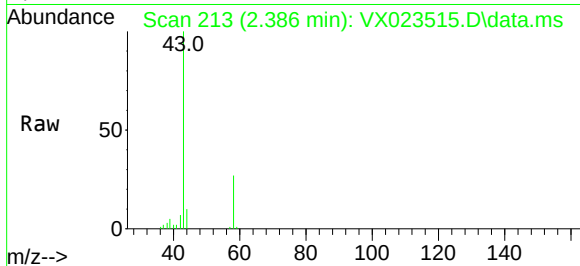




#16
Acetone
Concen: 15.188 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

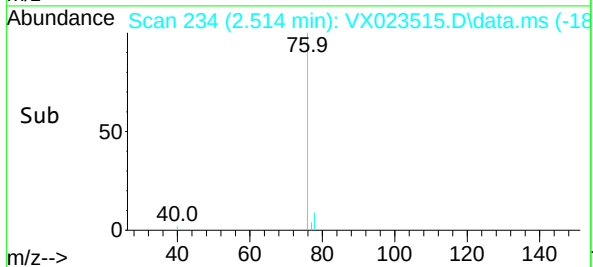
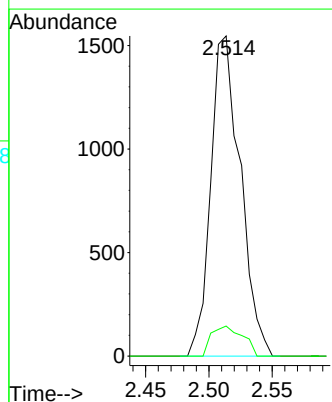
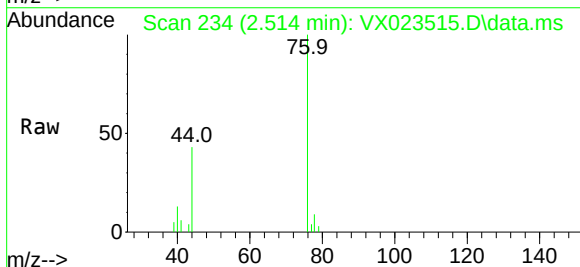
Instrument :
MSVOA_X
ClientSampled :

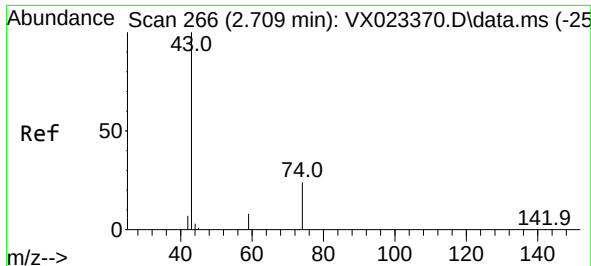
Tgt Ion: 43 Resp: 15364
Ion Ratio Lower Upper
43 100
58 27.5 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.629 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

Tgt Ion: 76 Resp: 2520
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8

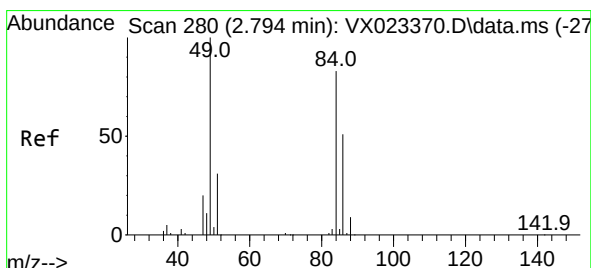
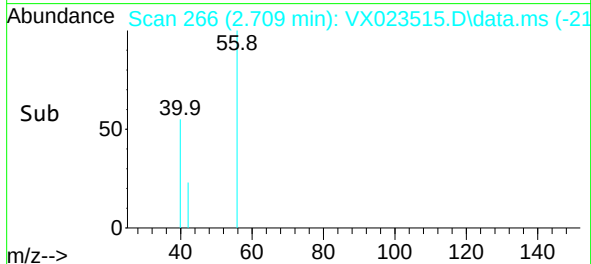
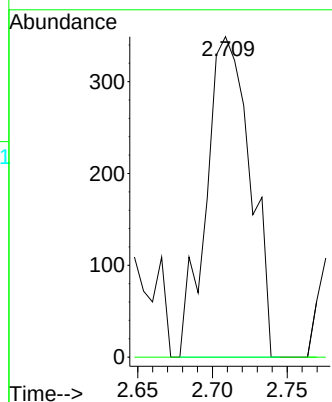
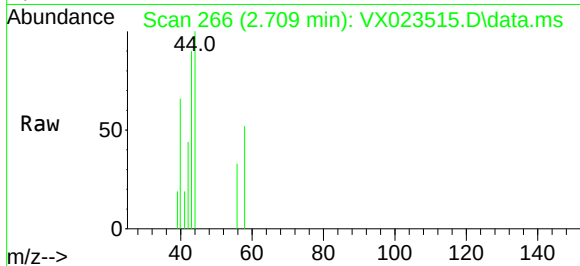




#18
Methyl Acetate
Concen: 0.298 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

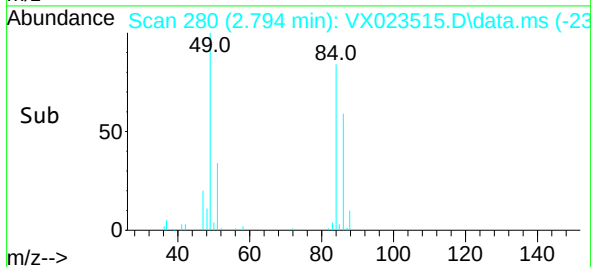
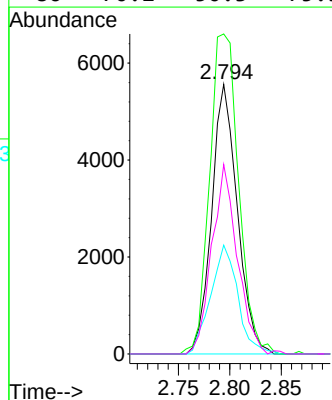
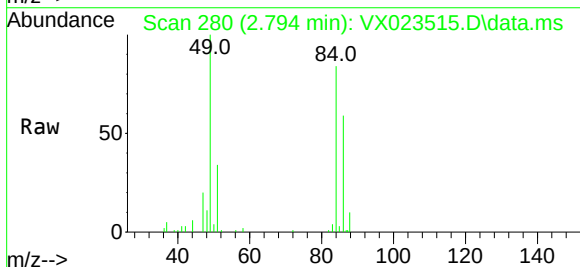
Instrument :
MSVOA_X
ClientSampleId :

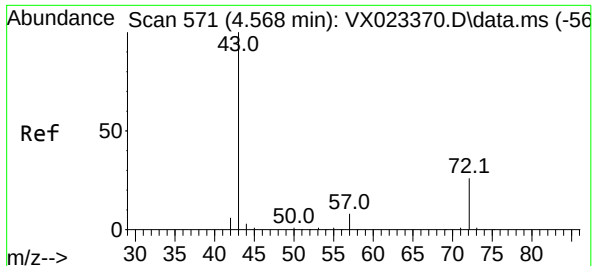
Tgt Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 4.905 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

Tgt Ion: 84 Resp: 9652
Ion Ratio Lower Upper
84 100
49 118.7 88.6 132.8
51 40.3 27.0 40.6
86 70.2 50.3 75.5





#25

2-Butanone

Concen: 2.541 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023515.D

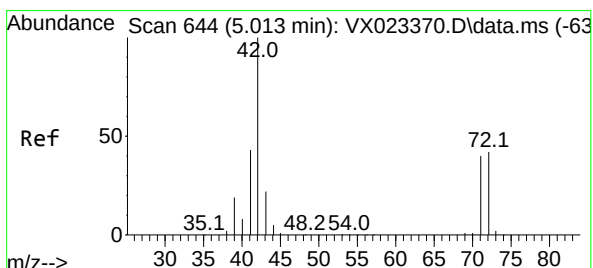
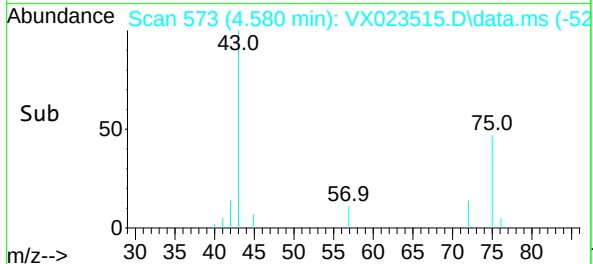
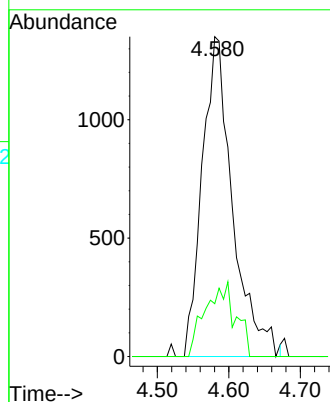
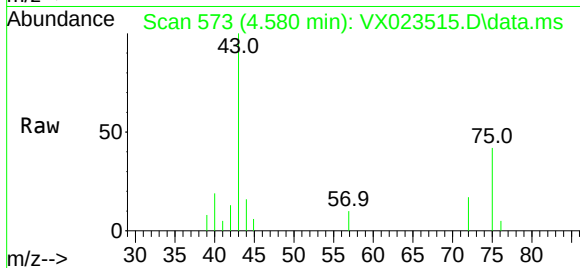
Acq: 29 Jul 2021 15:58

Tgt Ion: 43 Resp: 3991

Ion Ratio Lower Upper

43 100

72 16.5 23.7 35.5#



#29

Tetrahydrofuran

Concen: 1.219 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.031 min

Lab File: VX023515.D

Acq: 29 Jul 2021 15:58

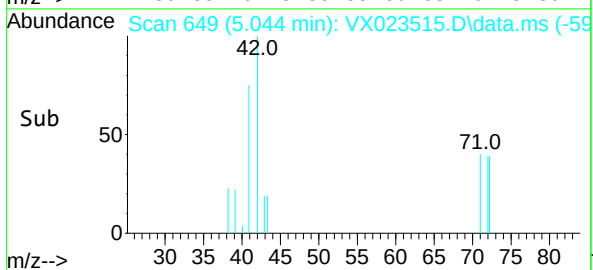
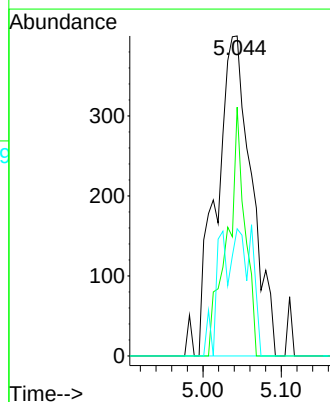
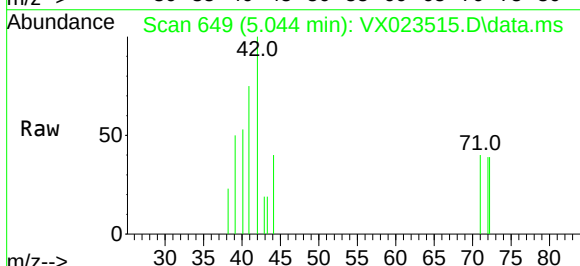
Tgt Ion: 42 Resp: 1255

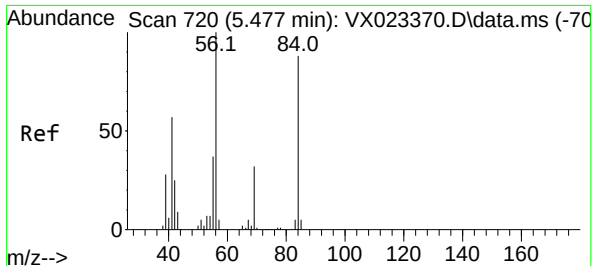
Ion Ratio Lower Upper

42 100

72 38.8 41.7 62.5#

71 22.5 38.4 57.6#

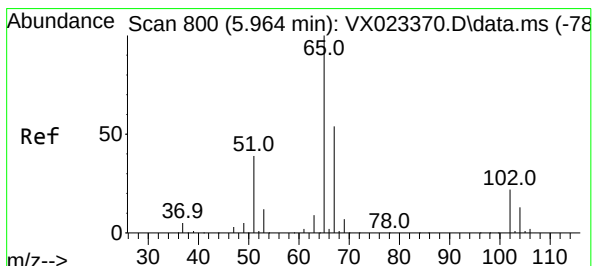
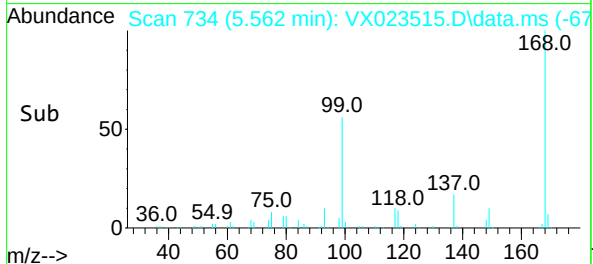
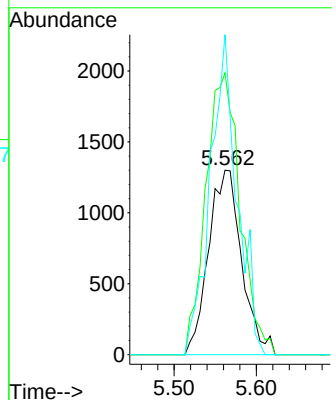
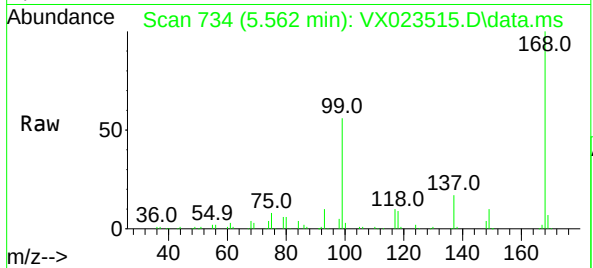




#31
Cyclohexane
Concen: 1.191 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

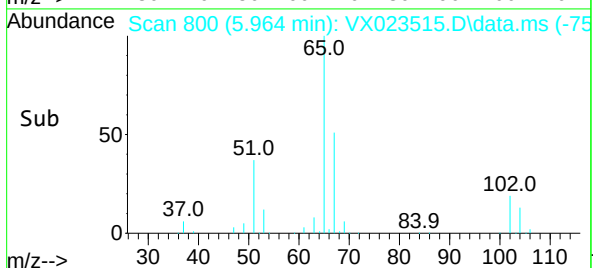
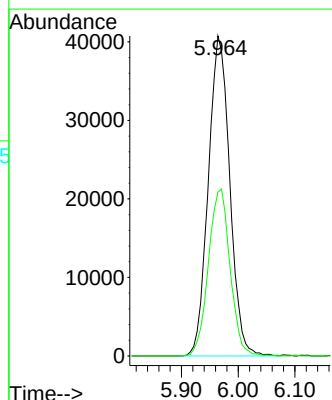
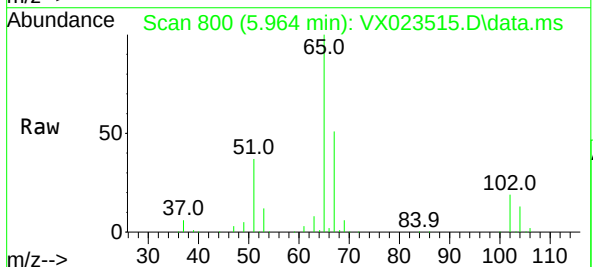
Instrument :
MSVOA_X
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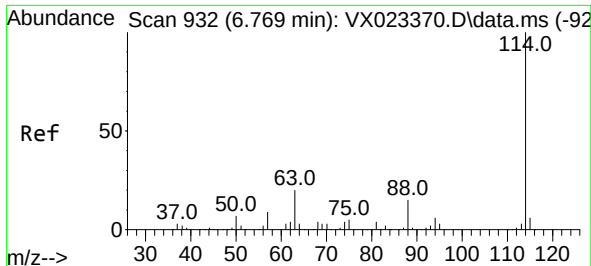
Tgt Ion: 56 Resp: 3638
Ion Ratio Lower Upper
56 100
69 152.8 25.3 37.9#
84 173.5 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.034 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

Tgt Ion: 65 Resp: 107302
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.4

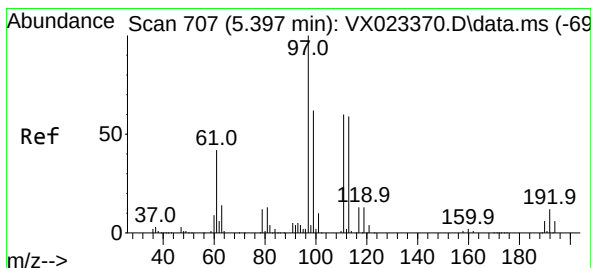
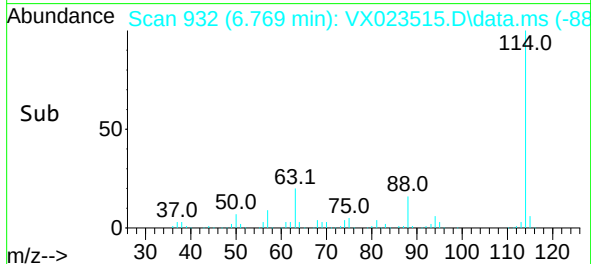
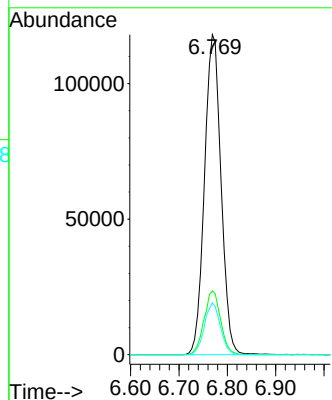
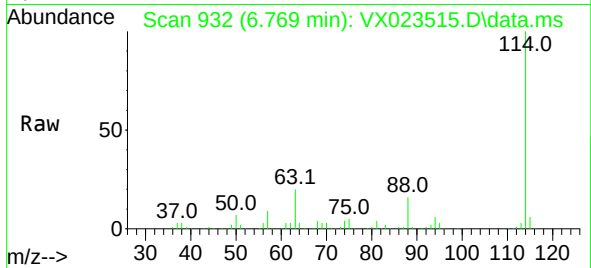




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

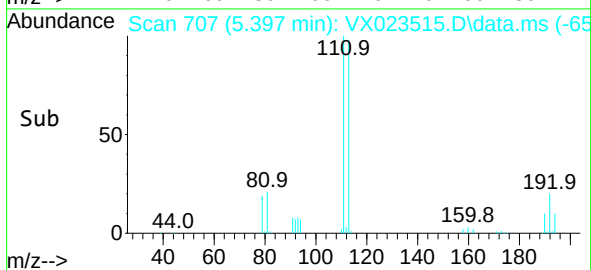
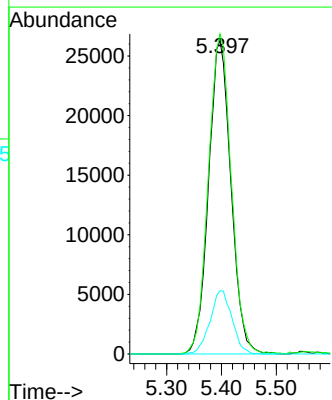
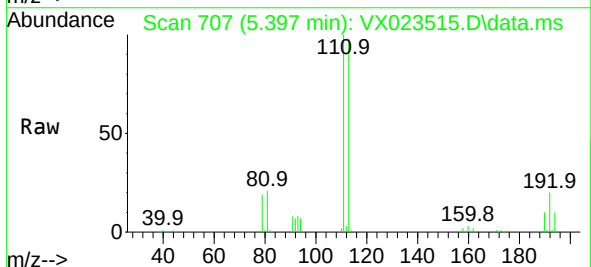
Instrument :
MSVOA_X
ClientSampled :

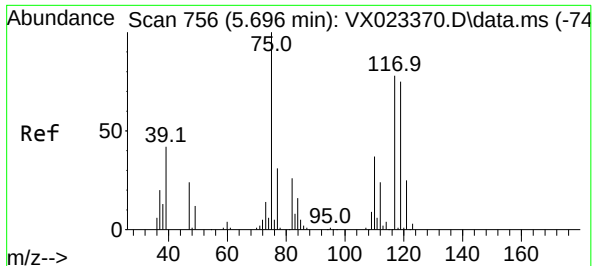
Tgt Ion:114 Resp: 280692
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 42.365 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

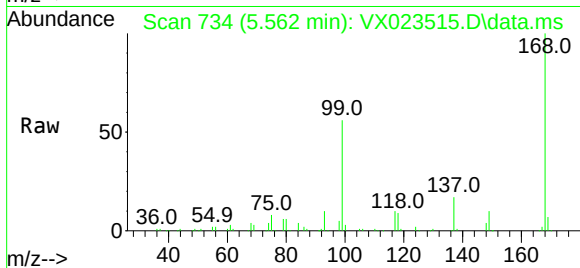
Tgt Ion:113 Resp: 74351
Ion Ratio Lower Upper
113 100
111 104.8 81.9 122.9
192 19.8 16.7 25.1



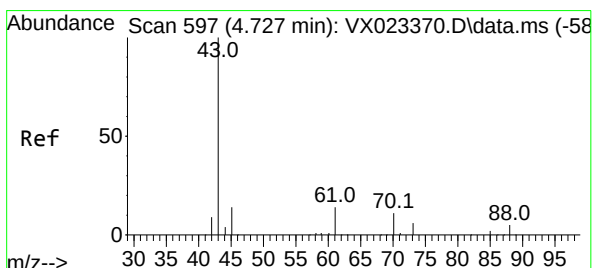
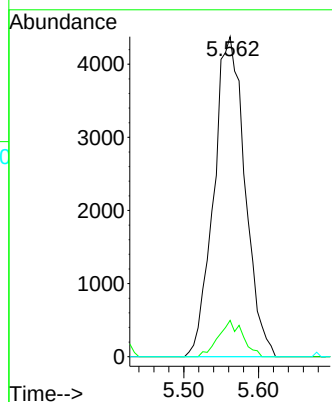
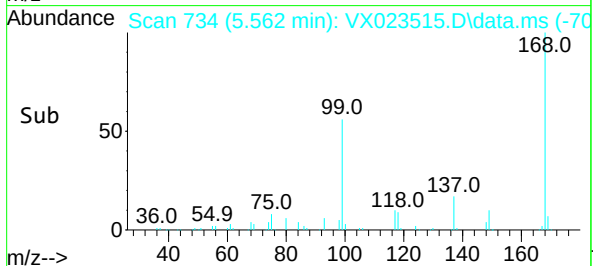


#36
1,1-Dichloropropene
Concen: 5.003 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

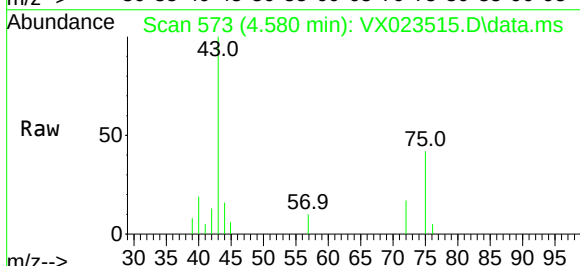
Instrument :
MSVOA_X
ClientSampleId :



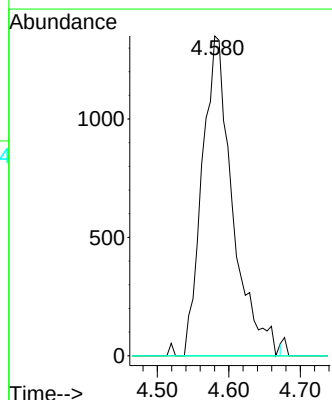
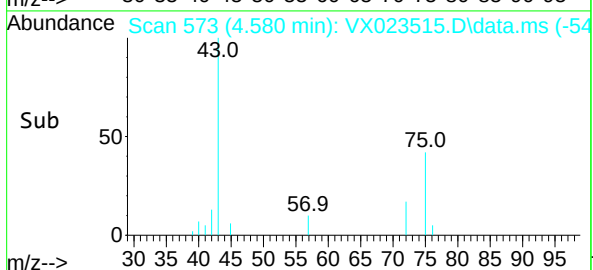
Tgt Ion: 75 Resp: 12703
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.0 25.3 37.9#

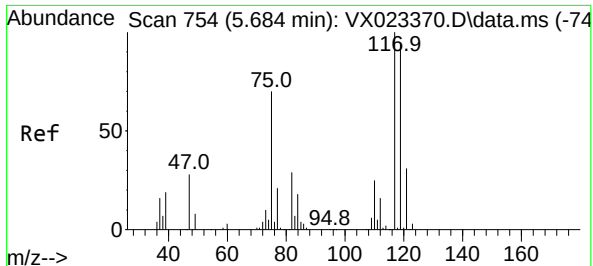


#37
Ethyl Acetate
Concen: 1.247 ug/l
RT: 4.580 min Scan# 573
Delta R.T. -0.147 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58



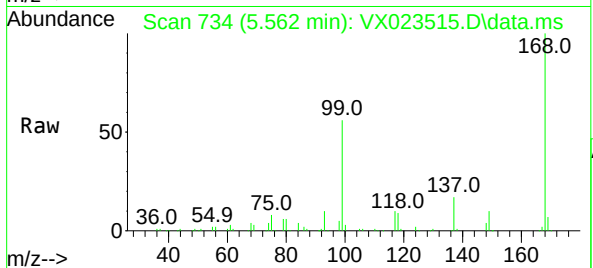
Tgt Ion: 43 Resp: 3991
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



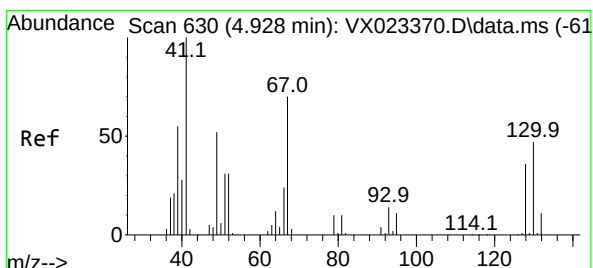
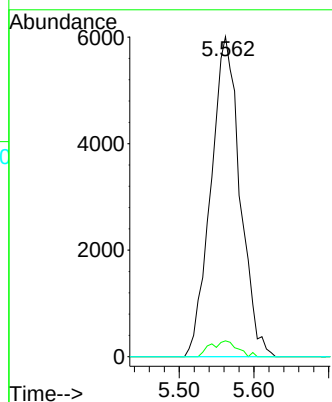
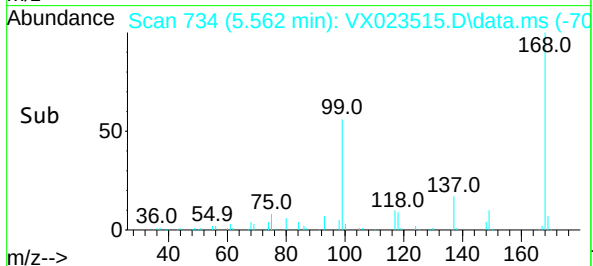


#38
Carbon Tetrachloride
Concen: 6.318 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

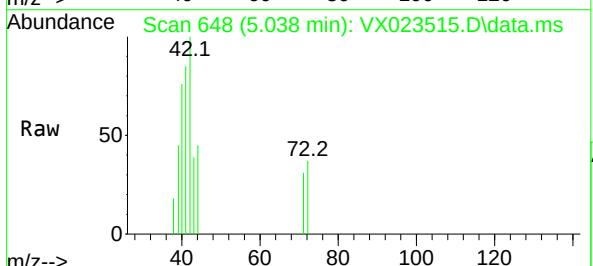
Instrument :
MSVOA_X
ClientSampled :



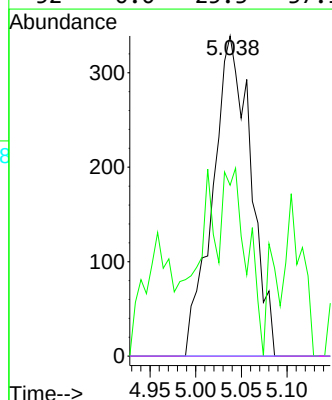
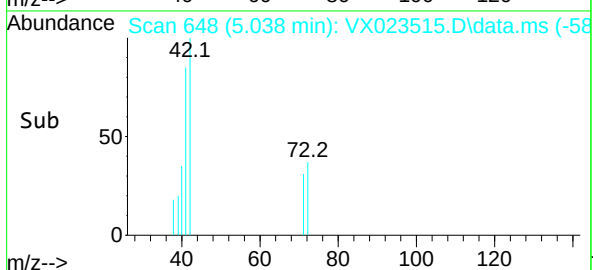
Tgt Ion:117 Resp: 16316
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#

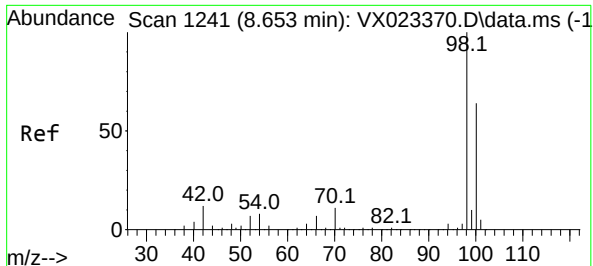


#41
Methacrylonitrile
Concen: 0.579 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58



Tgt Ion: 41 Resp: 978
Ion Ratio Lower Upper
41 100
39 36.7 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 52.255 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023515.D

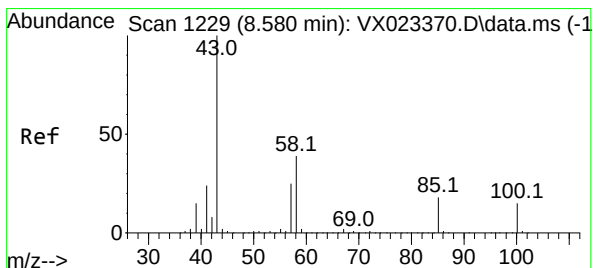
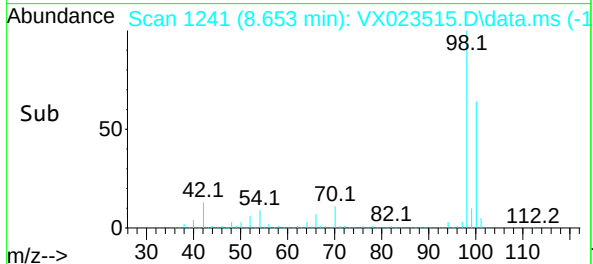
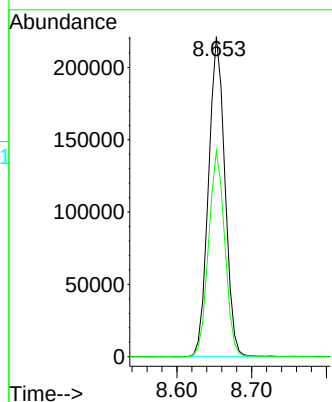
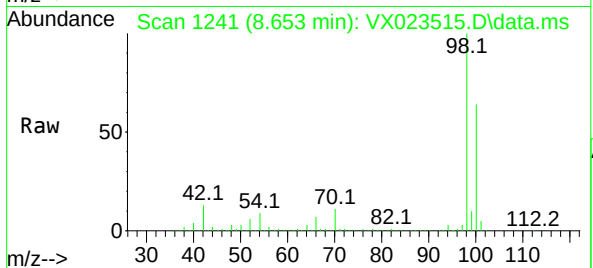
Acq: 29 Jul 2021 15:58

Tgt Ion: 98 Resp: 336939

Ion Ratio Lower Upper

98 100

100 63.8 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.693 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VX023515.D

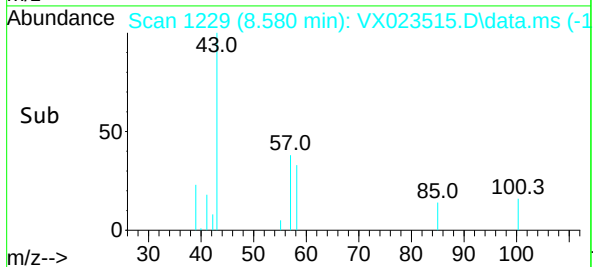
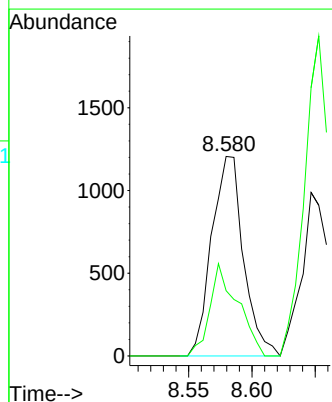
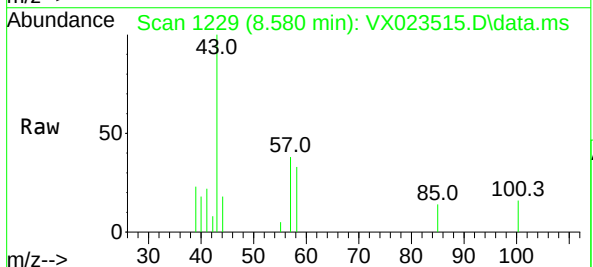
Acq: 29 Jul 2021 15:58

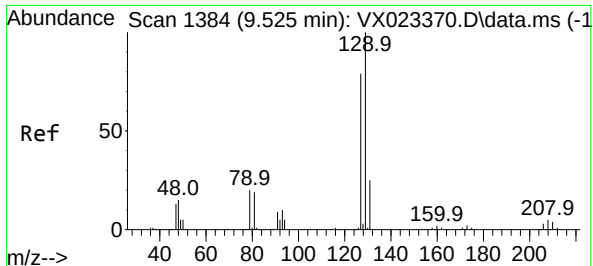
Tgt Ion: 43 Resp: 2103

Ion Ratio Lower Upper

43 100

58 40.7 35.4 53.0

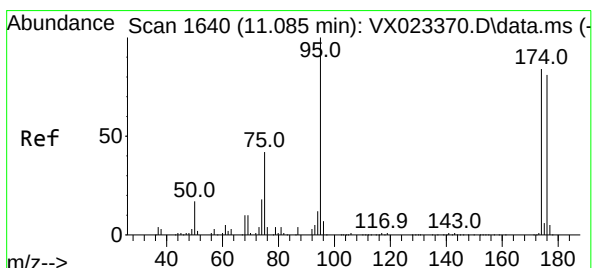
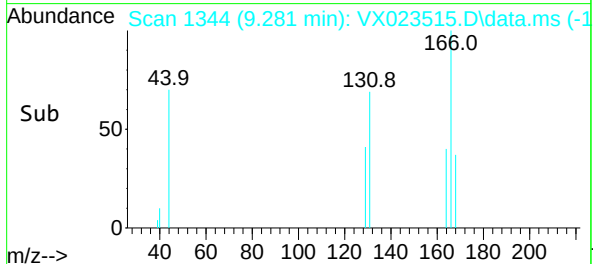
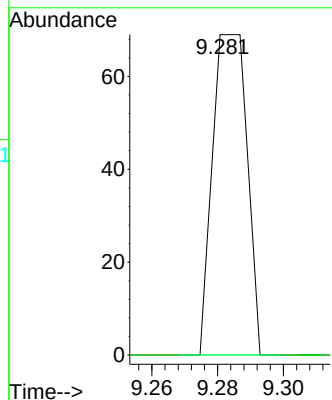
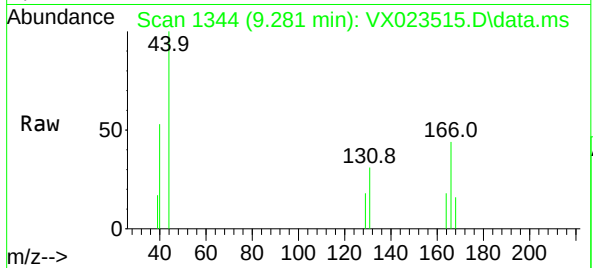




#60
Dibromochloromethane
Concen: 2.006 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

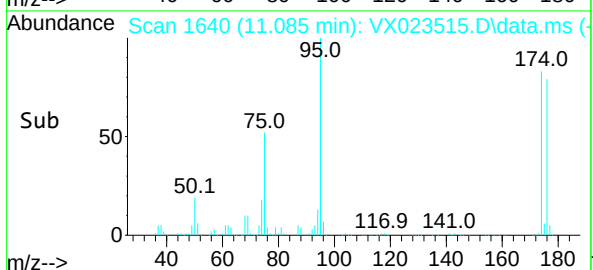
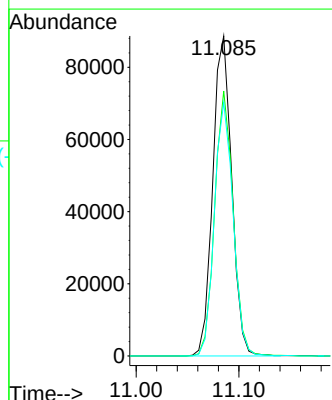
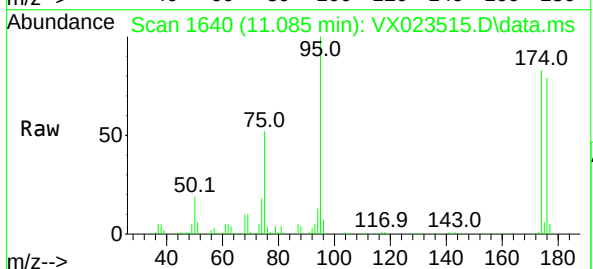
Instrument :
MSVOA_X
ClientSampleId :

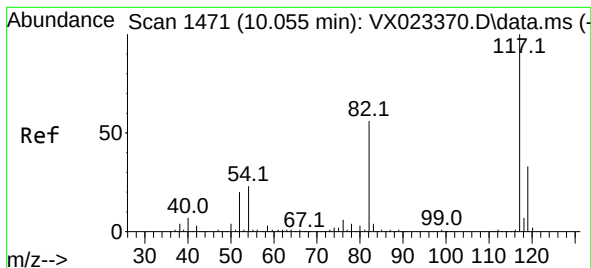
Tgt Ion:129 Resp: 50
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 51.702 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

Tgt Ion: 95 Resp: 113361
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 78.4 0.0 155.8

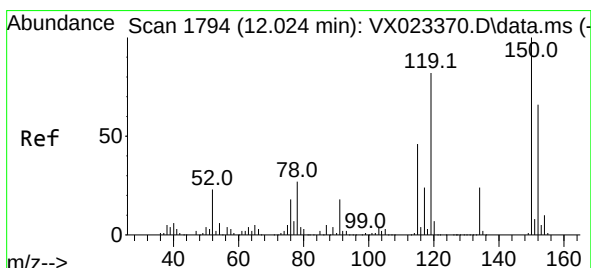
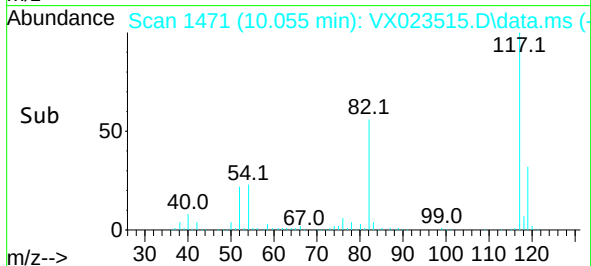
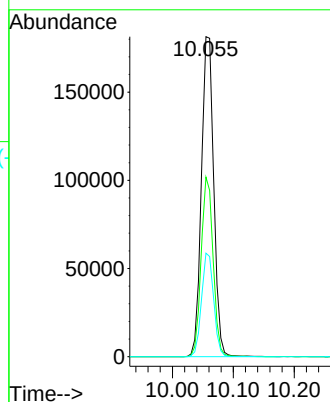
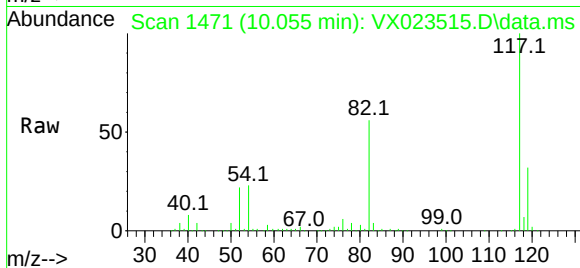




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

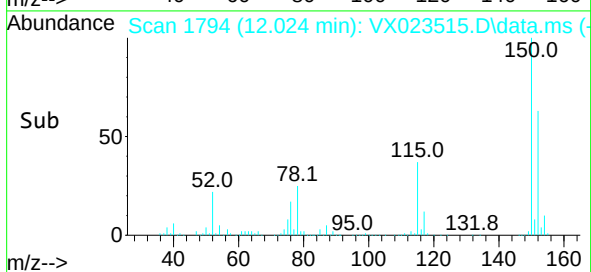
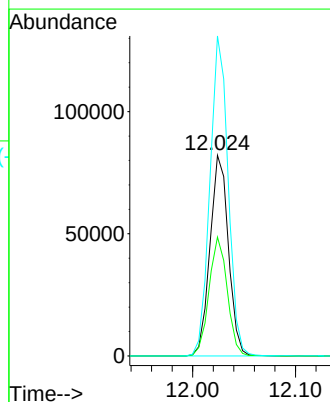
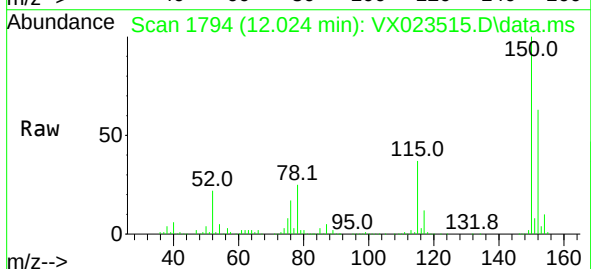
Instrument :
MSVOA_X
ClientSampled :

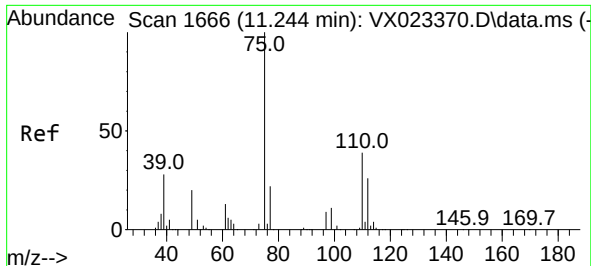
Tgt Ion:117 Resp: 255738
Ion Ratio Lower Upper
117 100
82 56.1 47.4 71.2
119 32.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

Tgt Ion:152 Resp: 102174
Ion Ratio Lower Upper
152 100
115 58.7 41.1 123.3
150 157.5 0.0 349.0

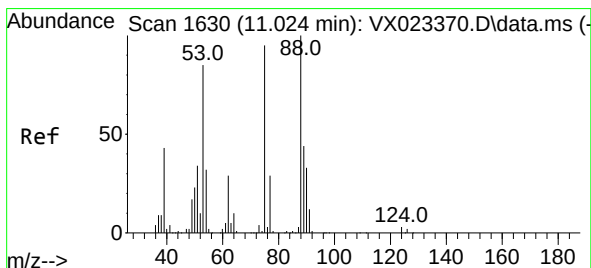
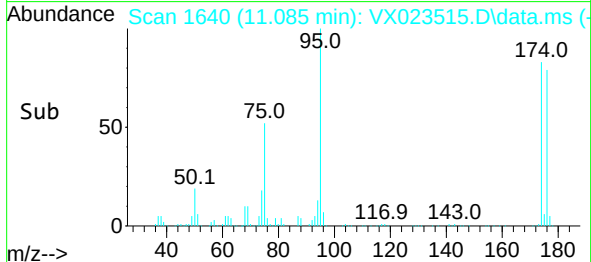
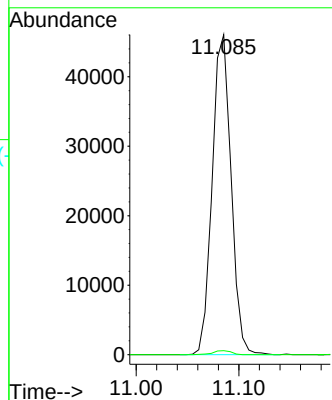
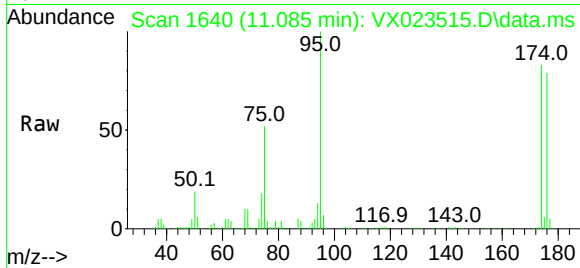




#76
1,2,3-Trichloropropane
Concen: 26.090 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 58660
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.152 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023515.D
Acq: 29 Jul 2021 15:58

Tgt Ion: 75 Resp: 58660
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

