

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062421\
 Data File : VX022905.D
 Acq On : 25 Jun 2021 06:42
 Operator : JC/MD
 Sample : M2838-21 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 25 08:10:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

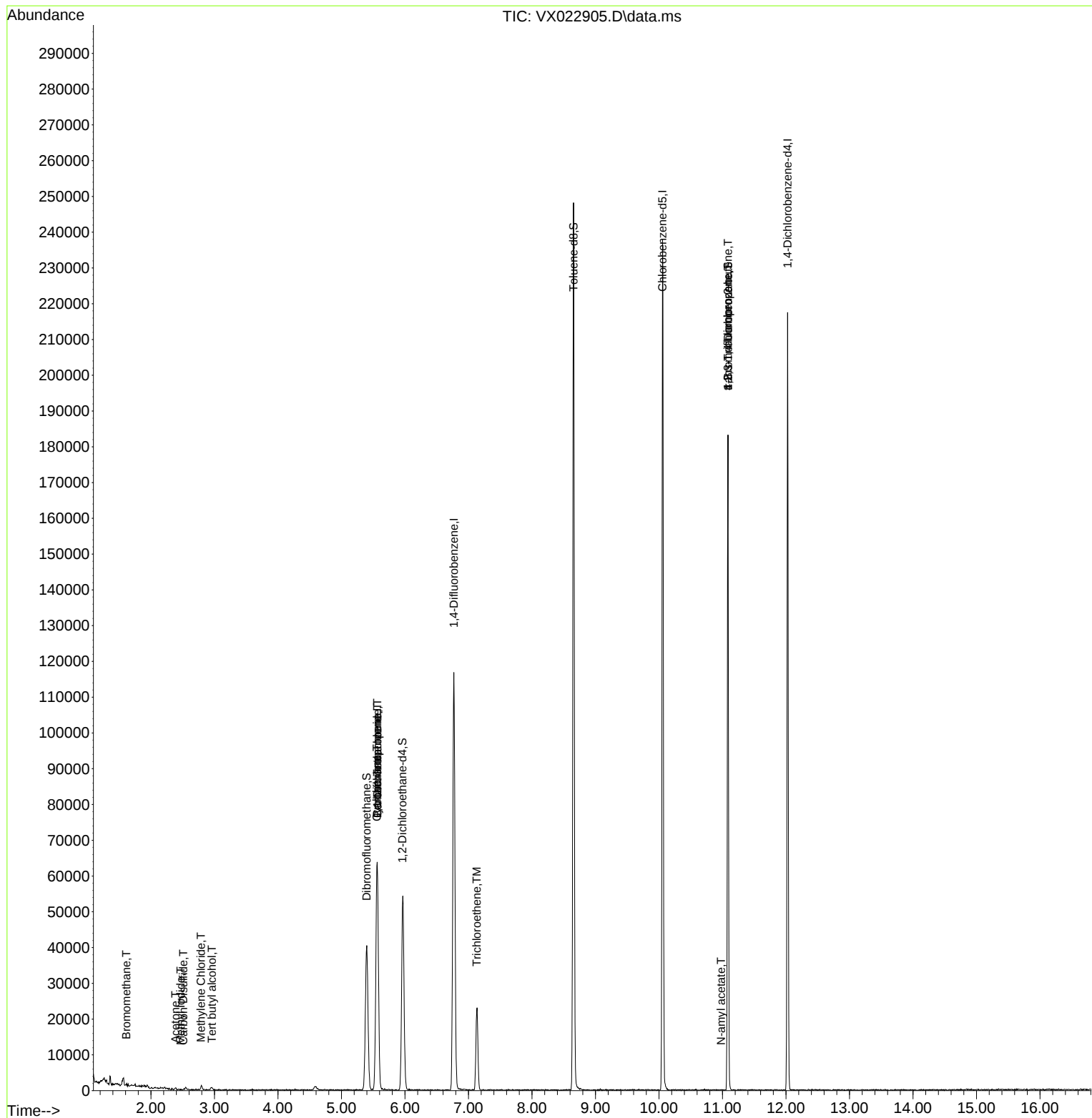
Internal Standards						
1) Pentafluorobenzene	5.562	168	54306	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	111752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36725	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48565	49.28	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.56%
35) Dibromofluoromethane	5.397	113	34225	48.23	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.46%
50) Toluene-d8	8.653	98	136321	49.01	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.02%
62) 4-Bromofluorobenzene	11.085	95	47038	45.32	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.64%
Target Compounds						
						Qvalue
5) Bromomethane	1.612	94	147	0.34	ug/l	# 2
10) Methyl Iodide	2.465	142	41	3.92	ug/l	# 42
11) Tert butyl alcohol	2.959	59	461	2.24	ug/l	# 73
16) Acetone	2.386	43	555	1.27	ug/l	# 81
17) Carbon Disulfide	2.508	76	27	3.53	ug/l	# 75
20) Methylene Chloride	2.788	84	396	0.83	ug/l	# 80
31) Cyclohexane	5.556	56	1639	1.18	ug/l	# 36
36) 1,1-Dichloropropene	5.562	75	5644	4.75	ug/l	# 46
38) Carbon Tetrachloride	5.562	117	6673	6.70	ug/l	# 16
44) Trichloroethene	7.129	130	8264	10.18	ug/l	99
74) N-amyl acetate	10.976	43	19	2.07	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	25826	26.62	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	25826	69.06	ug/l	# 12

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

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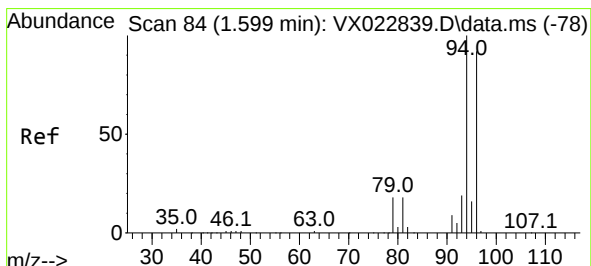
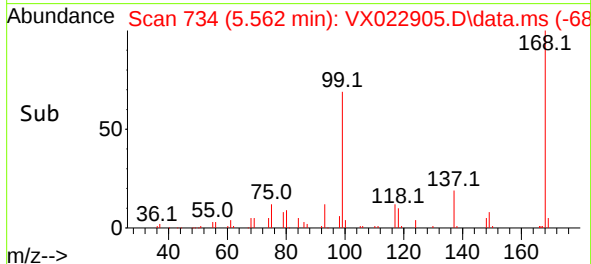
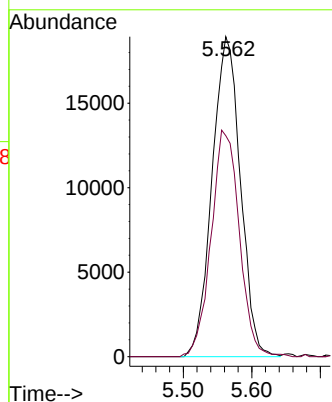
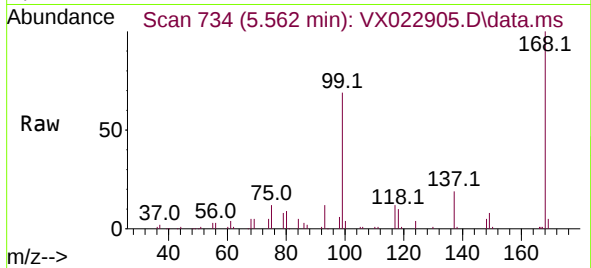




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

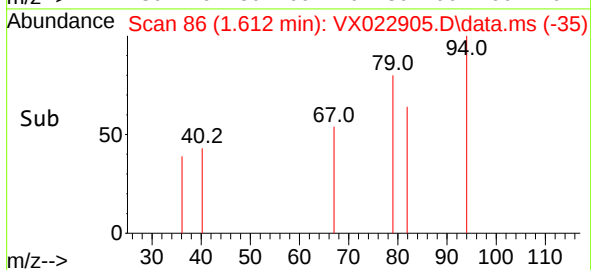
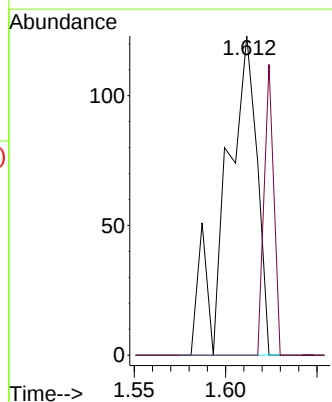
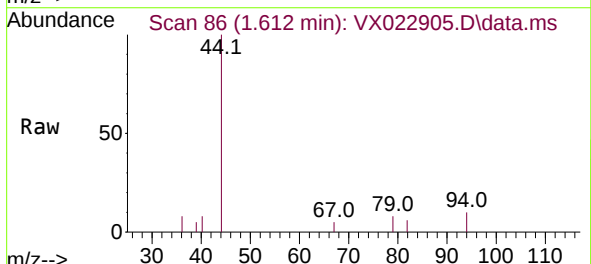
Instrument :
MSVOA_X
ClientSampled :

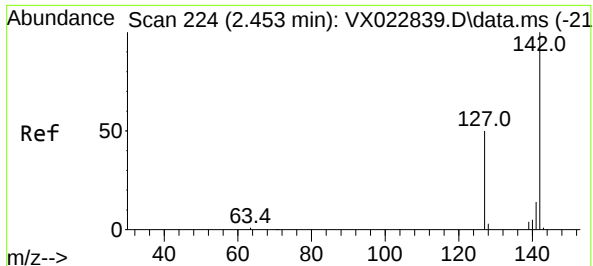
Tgt Ion:168 Resp: 54306
Ion Ratio Lower Upper
168 100
99 69.1 45.8 68.6#



#5
Bromomethane
Concen: 0.34 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

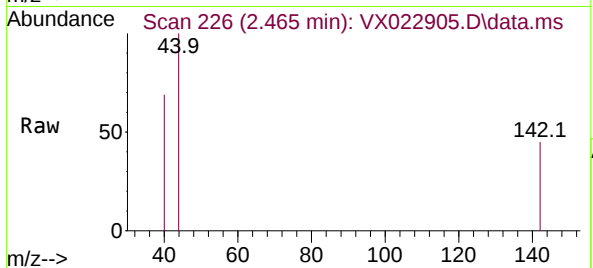
Tgt Ion: 94 Resp: 147
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



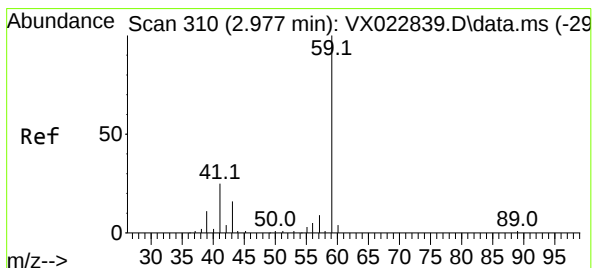
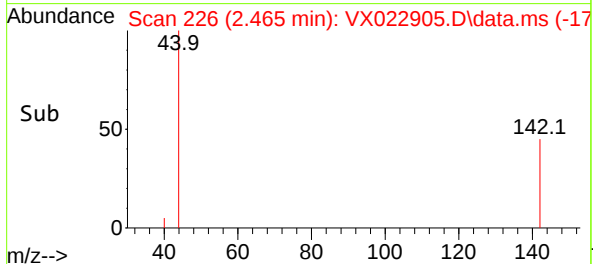
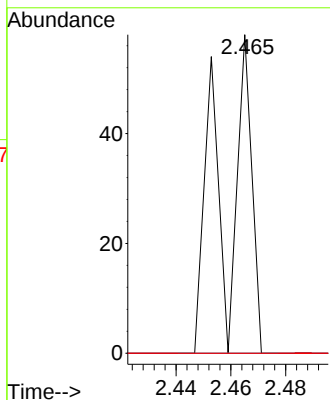


#10
Methyl Iodide
Concen: 3.92 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

Instrument :
MSVOA_X
ClientSampled :

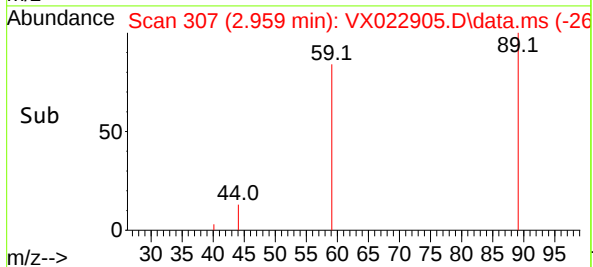
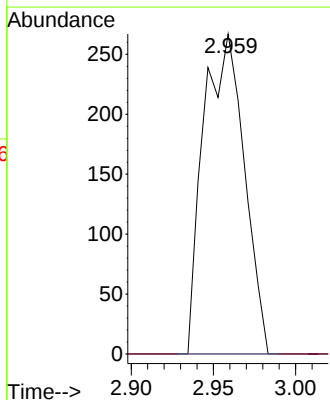
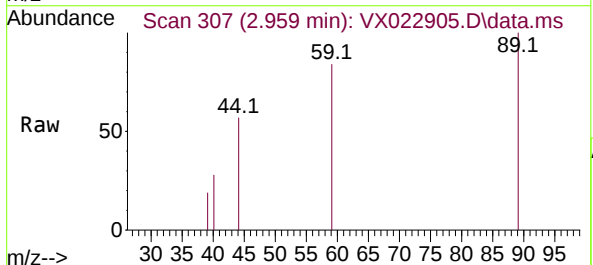


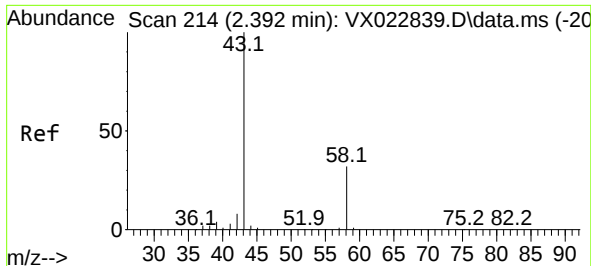
Tgt Ion:142 Resp: 41
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.24 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

Tgt Ion: 59 Resp: 461
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

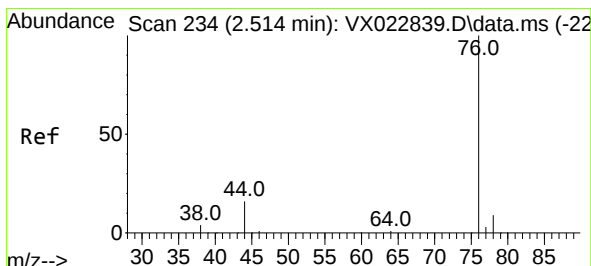
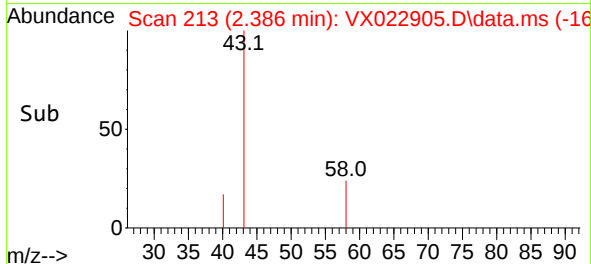
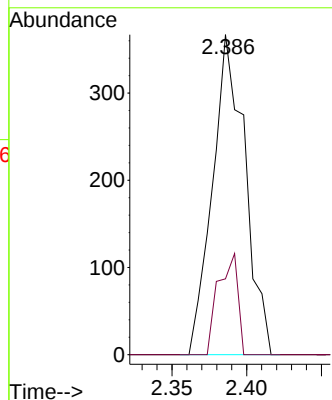
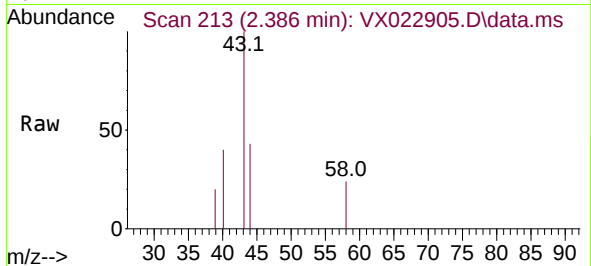




#16
Acetone
Concen: 1.27 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

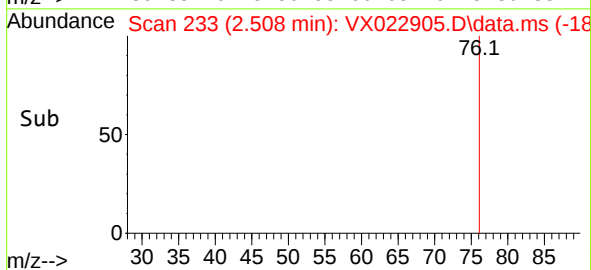
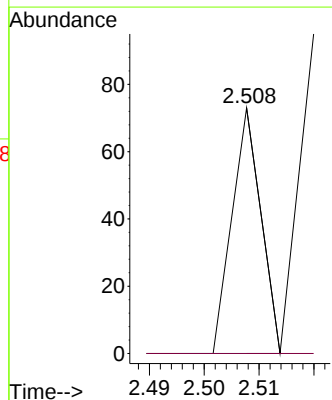
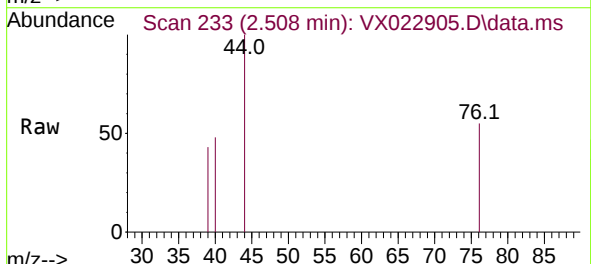
Instrument :
MSVOA_X
ClientSampleId :

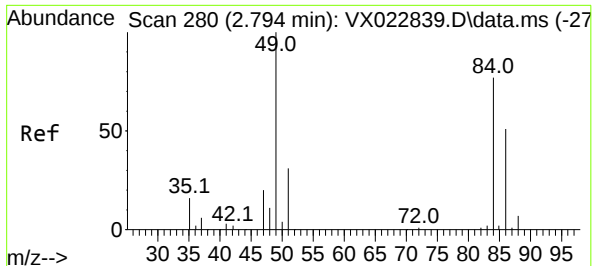
Tgt Ion: 43 Resp: 555
Ion Ratio Lower Upper
43 100
58 23.7 27.8 41.8#



#17
Carbon Disulfide
Concen: 3.53 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

Tgt Ion: 76 Resp: 27
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.83 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX022905.D

Acq: 25 Jun 2021 06:42

Tgt Ion: 84 Resp: 396

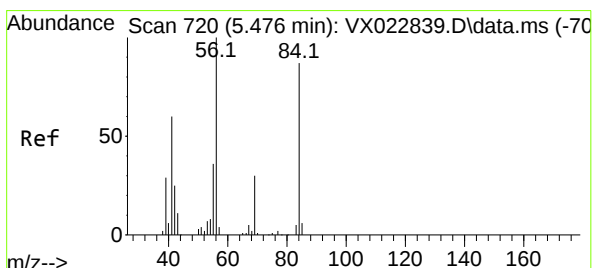
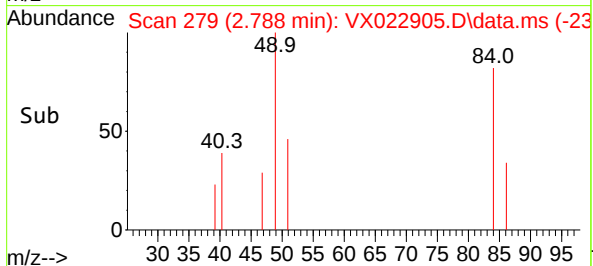
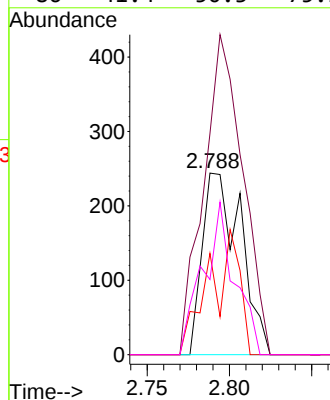
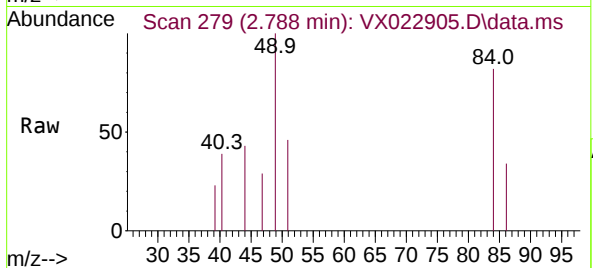
Ion Ratio Lower Upper

84 100

49 121.7 88.6 132.8

51 55.7 27.0 40.6#

86 41.4 50.3 75.5#



#31

Cyclohexane

Concen: 1.18 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.080 min

Lab File: VX022905.D

Acq: 25 Jun 2021 06:42

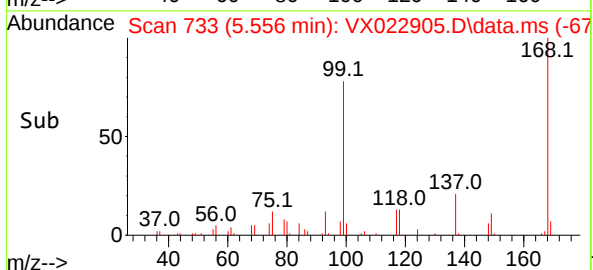
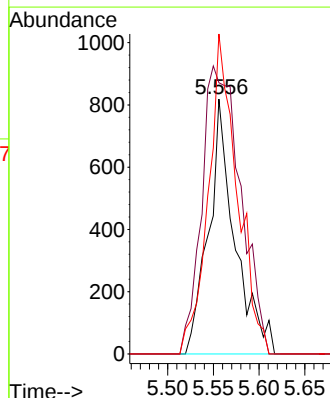
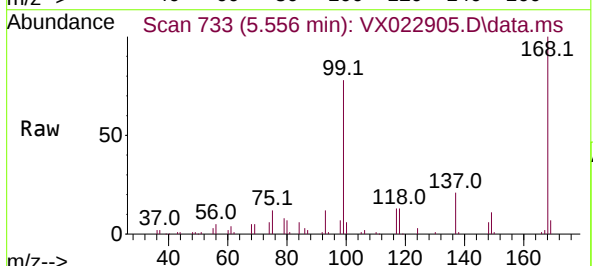
Tgt Ion: 56 Resp: 1639

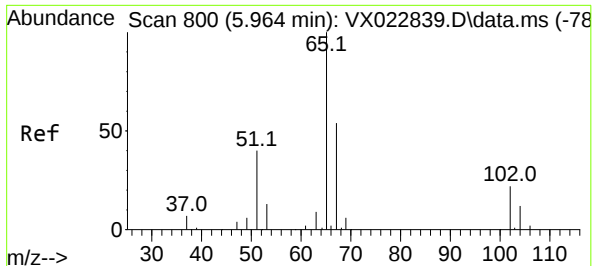
Ion Ratio Lower Upper

56 100

69 106.3 25.3 37.9#

84 125.5 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.28 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX022905.D

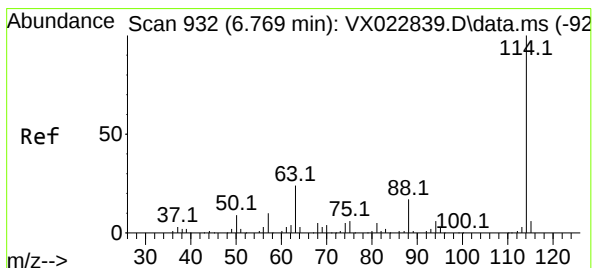
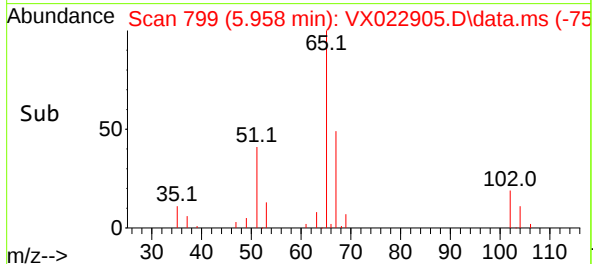
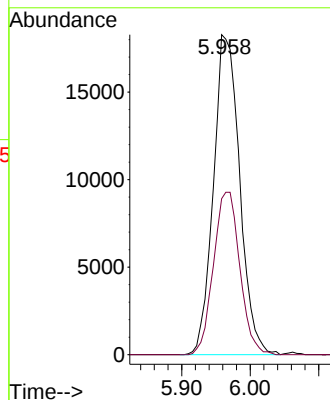
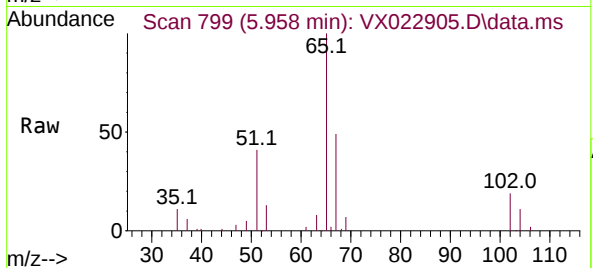
Acq: 25 Jun 2021 06:42

Tgt Ion: 65 Resp: 48565

Ion Ratio Lower Upper

65 100

67 51.0 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: VX022905.D

Acq: 25 Jun 2021 06:42

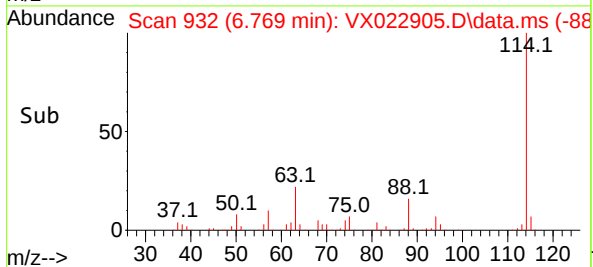
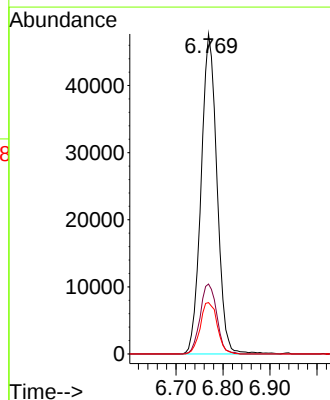
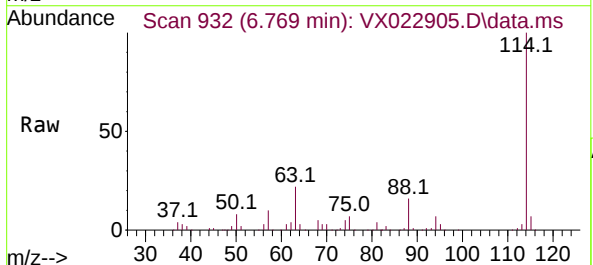
Tgt Ion: 114 Resp: 111752

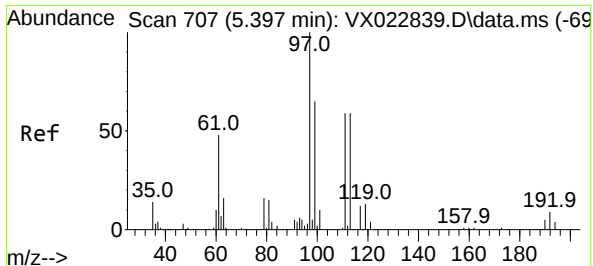
Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.8

88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.23 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX022905.D

Acq: 25 Jun 2021 06:42

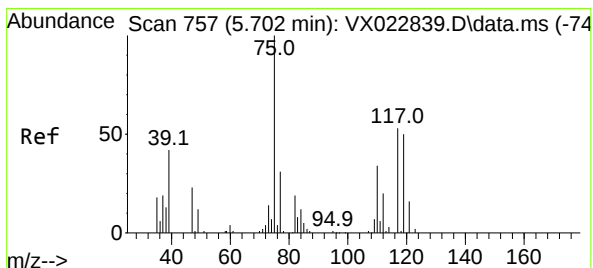
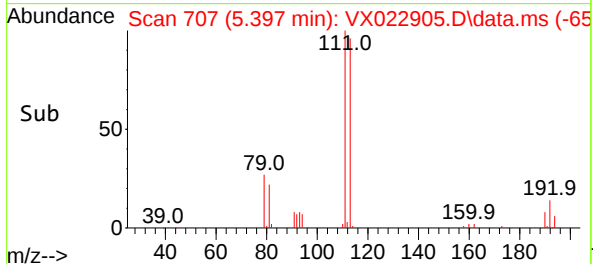
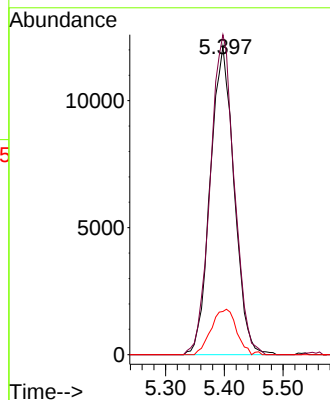
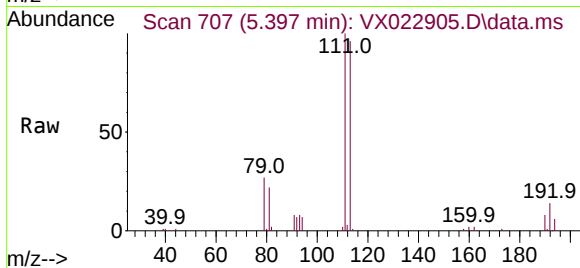
Tgt Ion:113 Resp: 34225

Ion Ratio Lower Upper

113 100

111 104.7 81.9 122.9

192 15.7 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 4.75 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022905.D

Acq: 25 Jun 2021 06:42

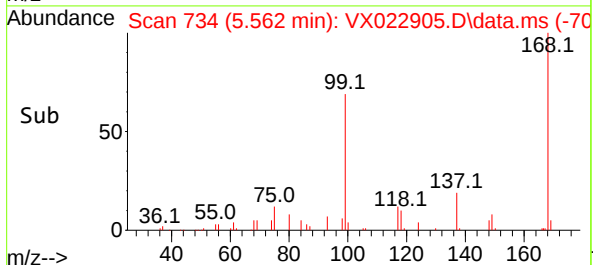
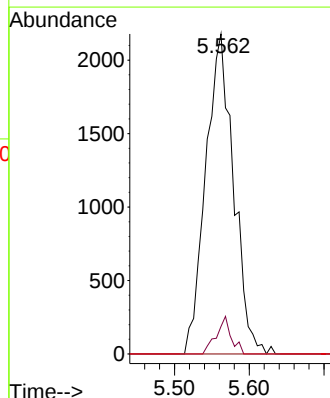
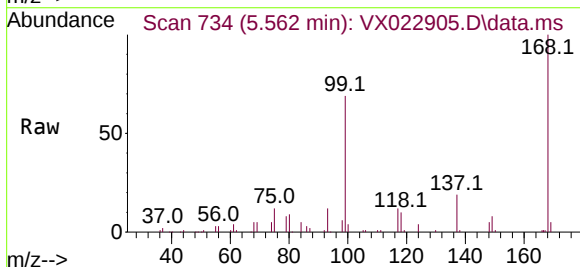
Tgt Ion: 75 Resp: 5644

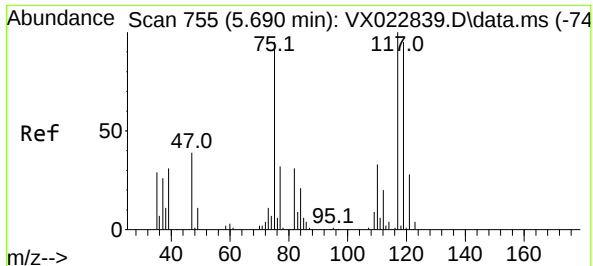
Ion Ratio Lower Upper

75 100

110 6.3 18.1 54.4#

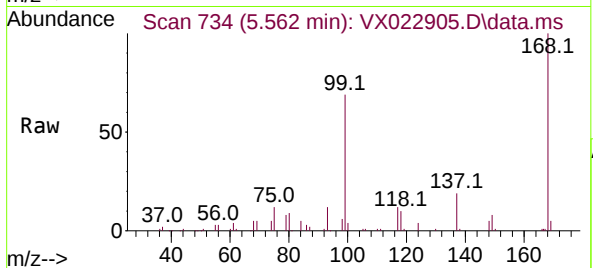
77 0.0 25.3 37.9#



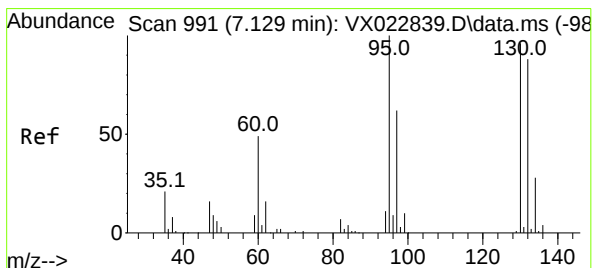
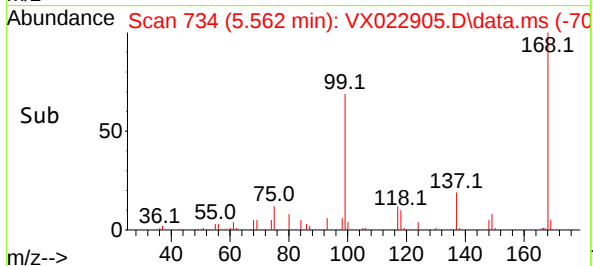
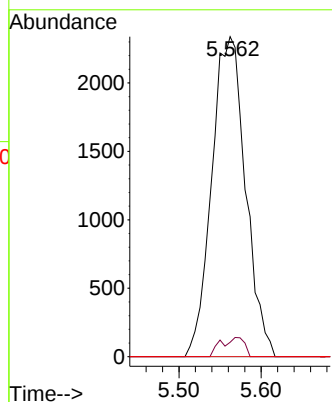


#38
Carbon Tetrachloride
Concen: 6.70 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

Instrument :
MSVOA_X
ClientSampled :

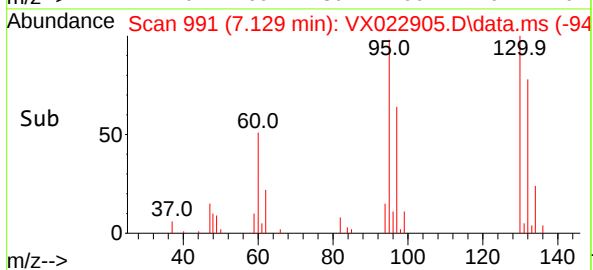
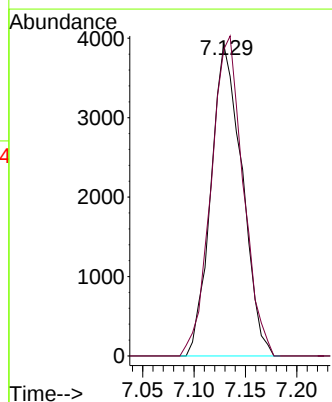
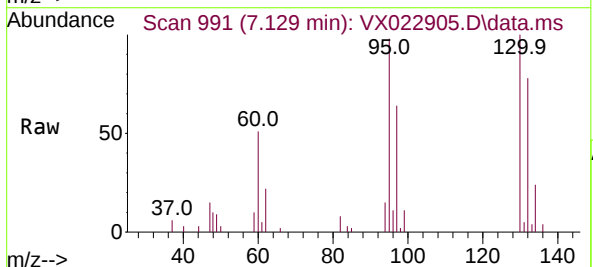


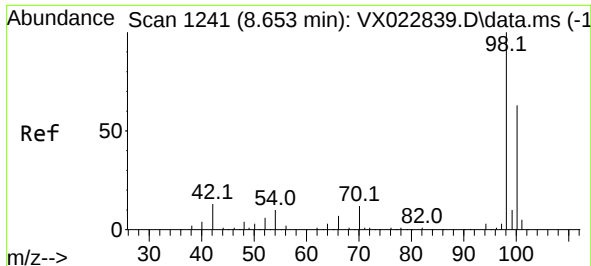
Tgt Ion:117 Resp: 6673
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 10.18 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

Tgt Ion:130 Resp: 8264
Ion Ratio Lower Upper
130 100
95 98.3 0.0 198.0

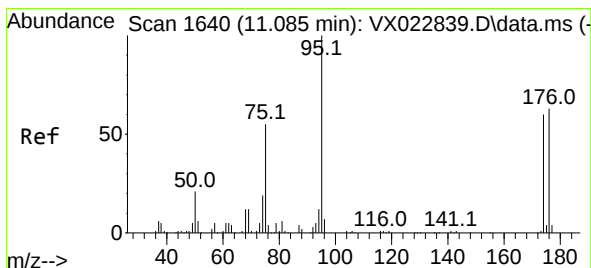
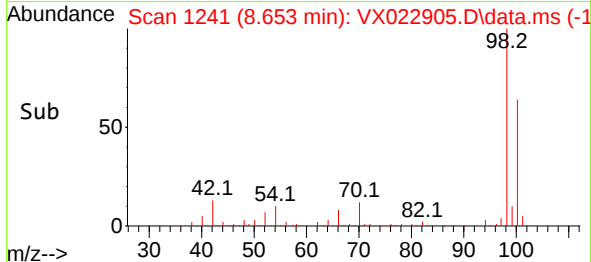
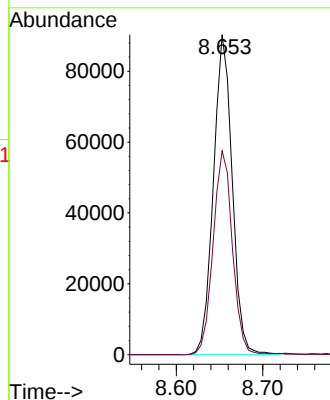
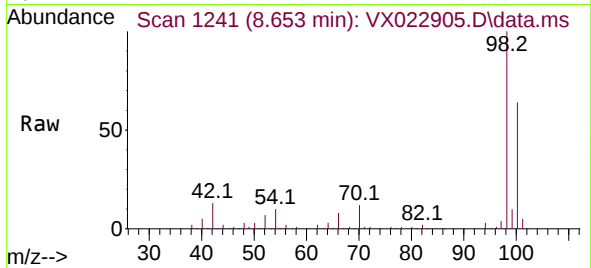




#50
Toluene-d8
Concen: 49.01 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

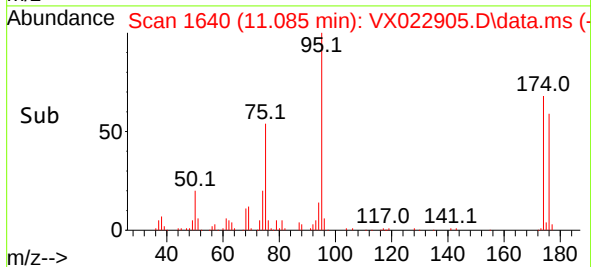
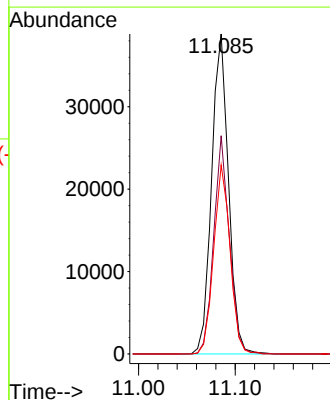
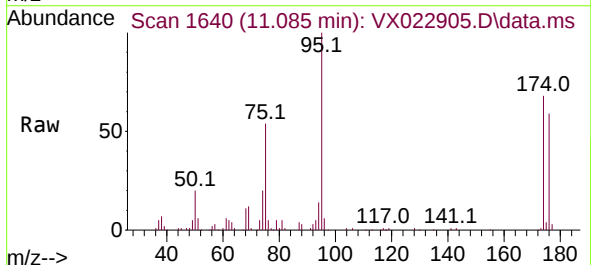
Instrument :
MSVOA_X
ClientSampled :

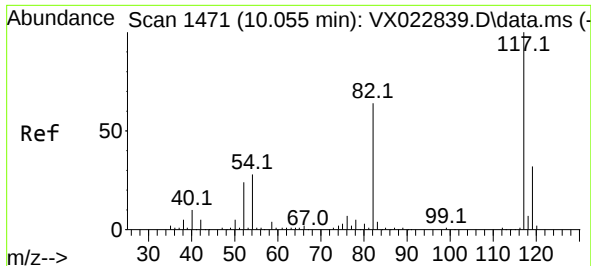
Tgt Ion: 98 Resp: 136321
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.32 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

Tgt Ion: 95 Resp: 47038
Ion Ratio Lower Upper
95 100
174 63.3 0.0 154.6
176 57.5 0.0 155.8

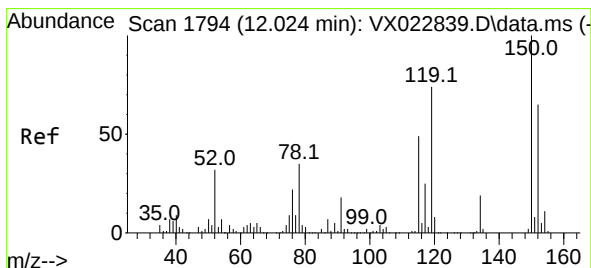
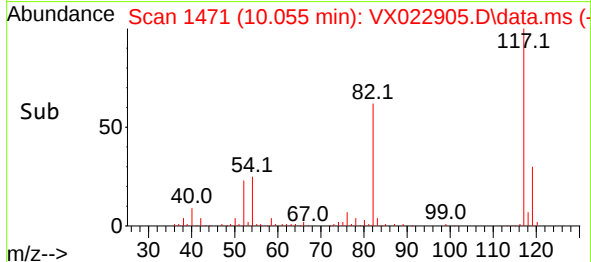
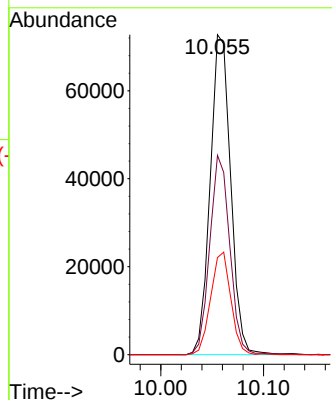
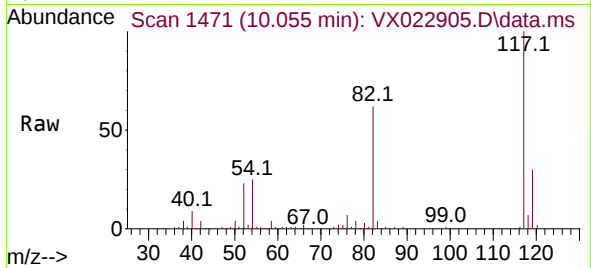




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

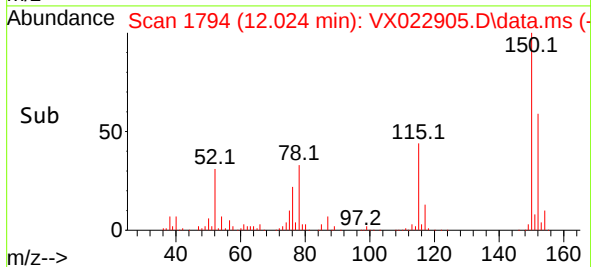
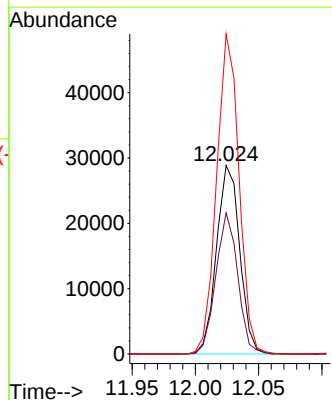
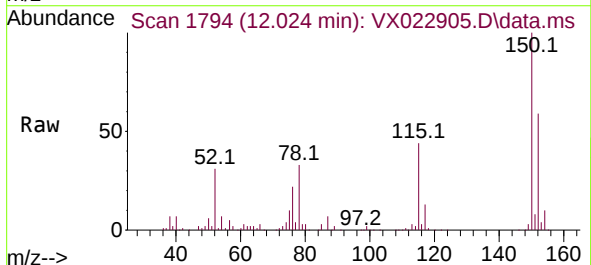
Instrument :
MSVOA_X
ClientSampled :

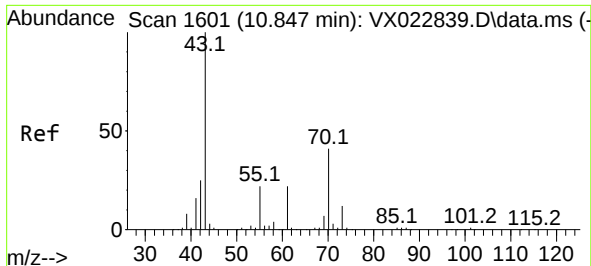
Tgt Ion:117 Resp: 100651
Ion Ratio Lower Upper
117 100
82 62.3 47.4 71.2
119 30.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

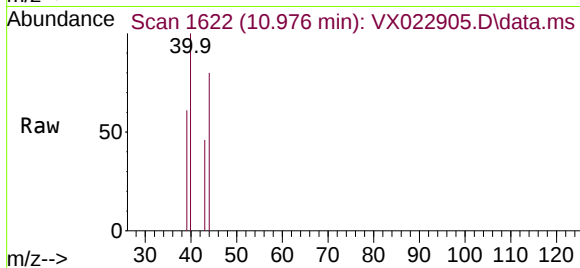
Tgt Ion:152 Resp: 36725
Ion Ratio Lower Upper
152 100
115 70.7 41.1 123.3
150 164.2 0.0 349.0



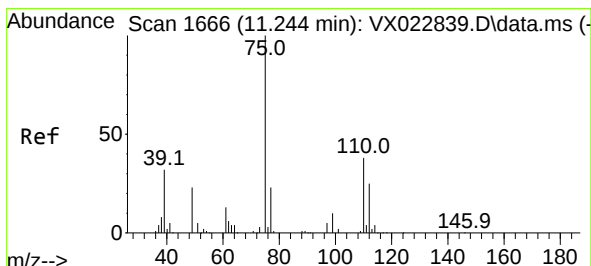
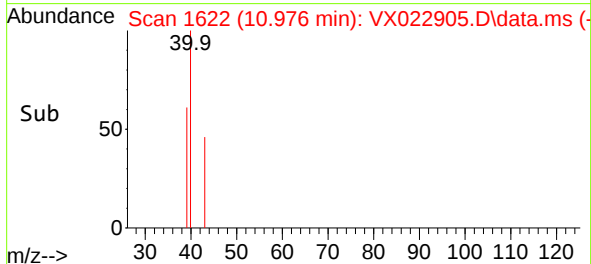
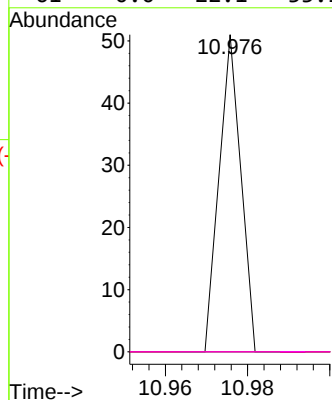


#74
N-amy1 acetate
Concen: 2.07 ug/l
RT: 10.976 min Scan# 1622
Delta R.T. 0.129 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

Instrument :
MSVOA_X
ClientSampled :

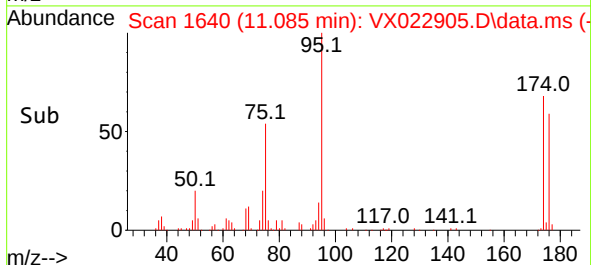
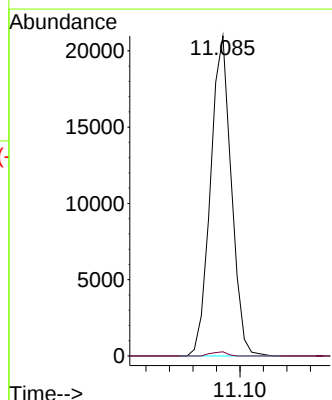
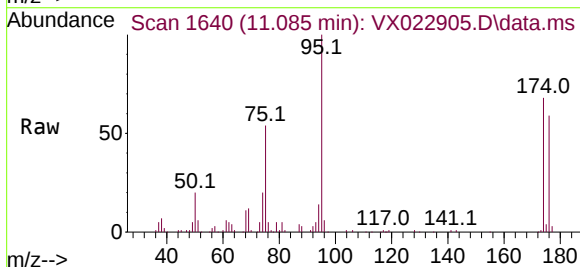


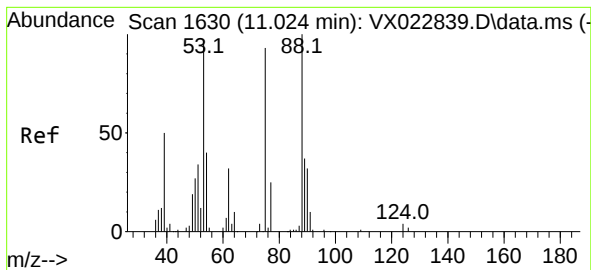
Tgt Ion: 43	Resp: 19
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.6#
55 0.0	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 26.62 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022905.D
Acq: 25 Jun 2021 06:42

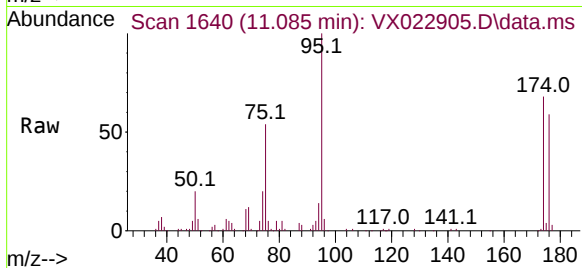
Tgt Ion: 75	Resp: 25826
Ion Ratio	Lower Upper
75 100	
77 1.0	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.06 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX022905.D
 Acq: 25 Jun 2021 06:42

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 25826
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

