

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023044.D
 Acq On : 30 Jun 2021 19:15
 Operator : JC/MD
 Sample : M2898-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 01 03:28:02 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)

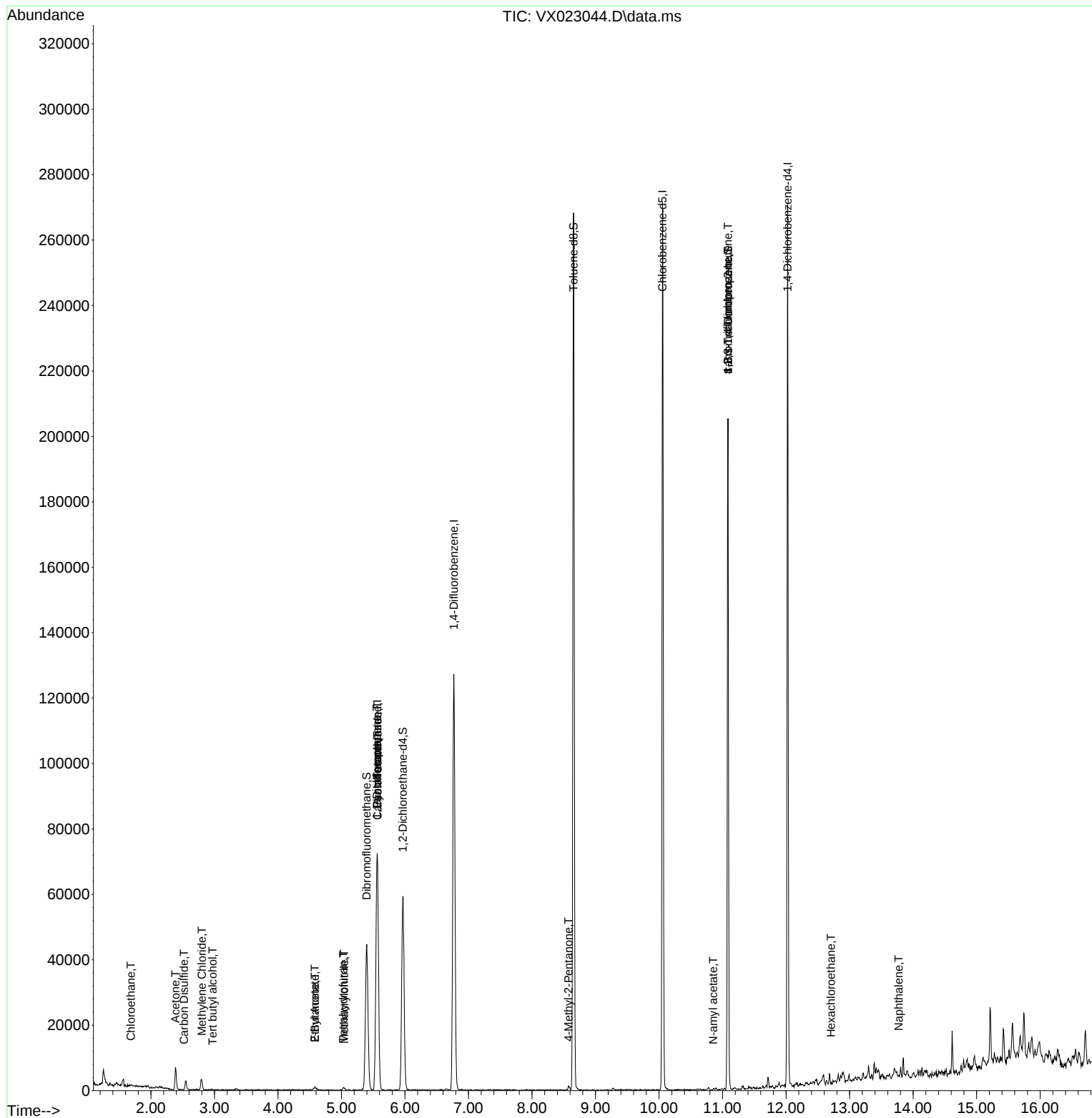
Internal Standards						
1) Pentafluorobenzene	5.562	168	57924	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	119406	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	107484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	44252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	54972	52.295	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.580%	
35) Dibromofluoromethane	5.397	113	37352	49.260	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.520%	
50) Toluene-d8	8.653	98	147391	49.597	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.200%	
62) 4-Bromofluorobenzene	11.085	95	55407	49.957	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.920%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	360	0.703	ug/l	# 43
11) Tert butyl alcohol	2.971	59	59	0.269	ug/l	# 73
16) Acetone	2.386	43	6868	14.737	ug/l	91
17) Carbon Disulfide	2.520	76	30	3.529	ug/l	# 75
20) Methylene Chloride	2.800	84	1409	1.885	ug/l	97
25) 2-Butanone	4.580	43	1610	2.222	ug/l	95
29) Tetrahydrofuran	5.025	42	420	0.901	ug/l	# 74
31) Cyclohexane	5.562	56	2201	1.483	ug/l	# 14
36) 1,1-Dichloropropene	5.556	75	6381	5.031	ug/l	# 48
37) Ethyl Acetate	4.580	43	1610	1.096	ug/l	# 64
38) Carbon Tetrachloride	5.568	117	7173	6.743	ug/l	# 15
41) Methacrylonitrile	5.044	41	370	0.457	ug/l	# 34
51) 4-Methyl-2-Pentanone	8.574	43	944	0.642	ug/l	# 75
74) N-amyl acetate	10.854	43	48	2.077	ug/l	# 1
76) 1,2,3-Trichloropropane	11.085	75	30516	26.107	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	30516	67.845	ug/l	# 12
90) Hexachloroethane	12.707	117	53	3.796	ug/l	# 9
95) Naphthalene	13.774	128	254	1.990	ug/l	# 91

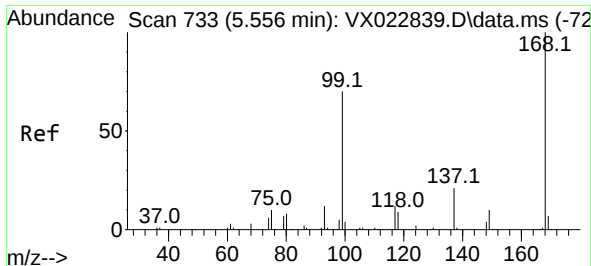
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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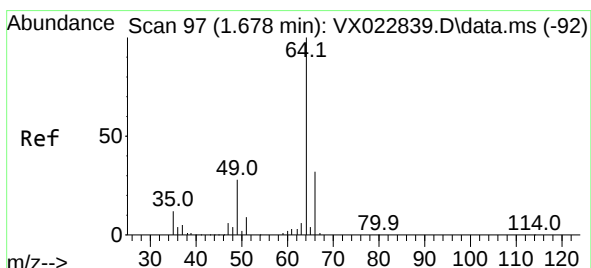
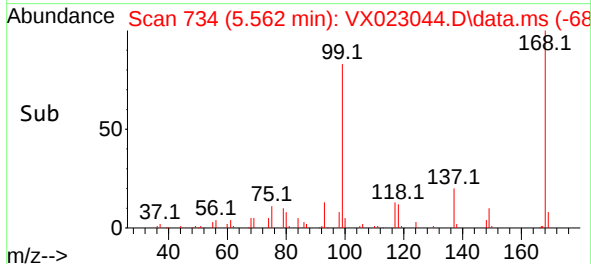
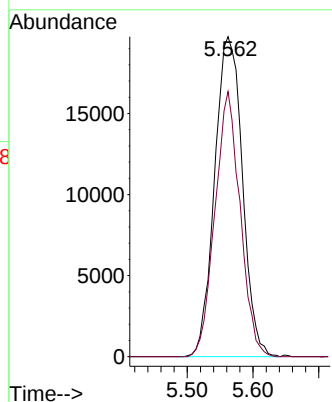
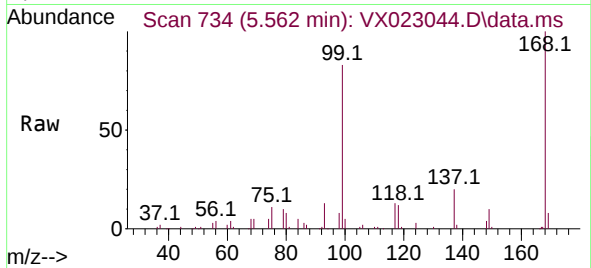




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

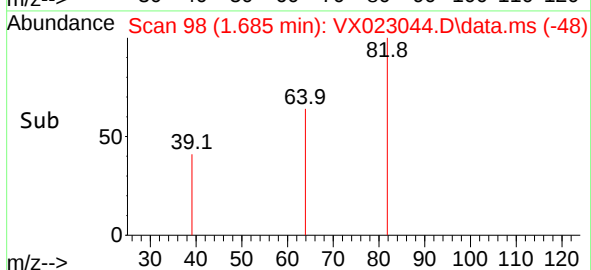
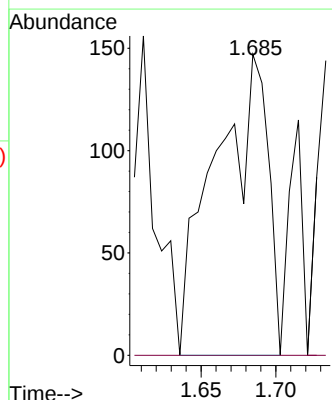
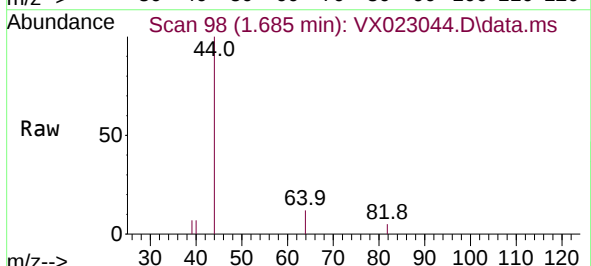
Instrument :
MSVOA_X
ClientSampled :

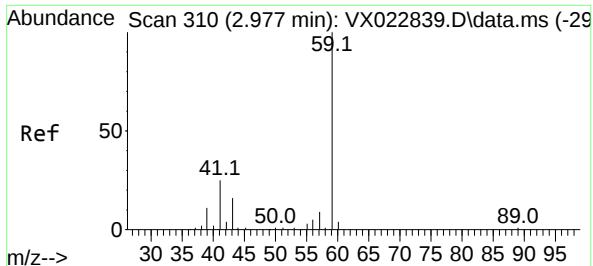
Tgt Ion:168 Resp: 57924
Ion Ratio Lower Upper
168 100
99 82.8 45.8 68.6#



#6
Chloroethane
Concen: 0.703 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

Tgt Ion: 64 Resp: 360
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



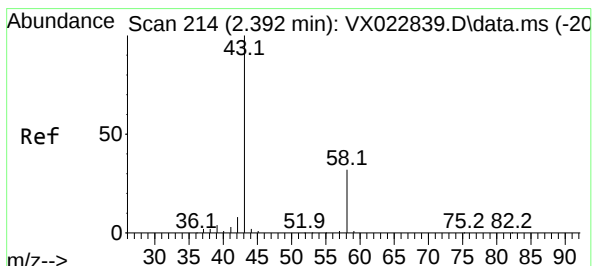
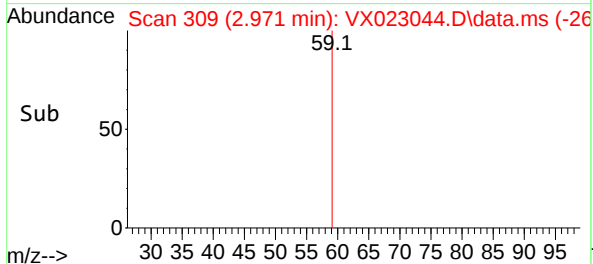
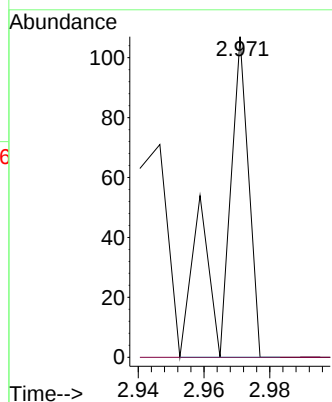
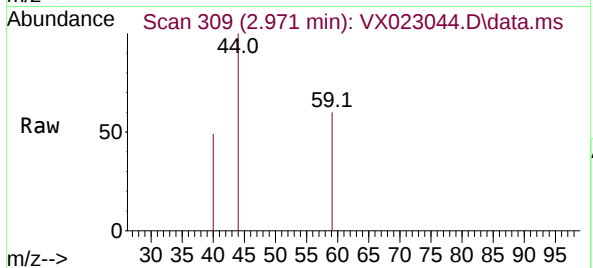


#11

Tert butyl alcohol
Concen: 0.269 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

Instrument :
MSVOA_X
ClientSampled :

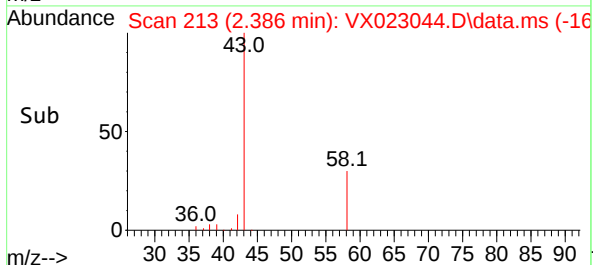
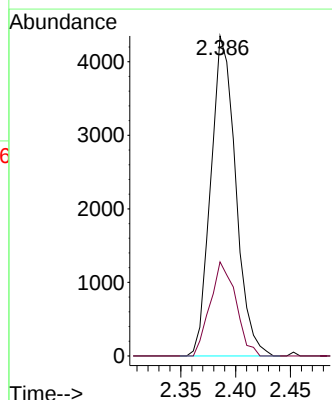
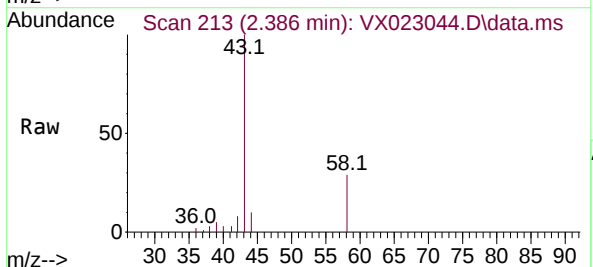
Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

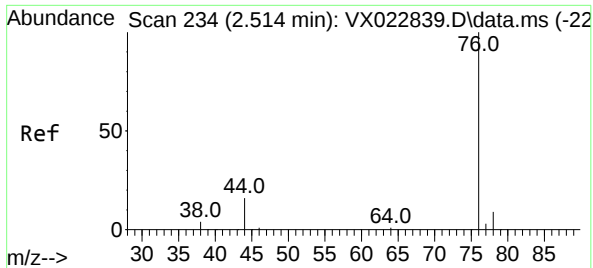


#16

Acetone
Concen: 14.737 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

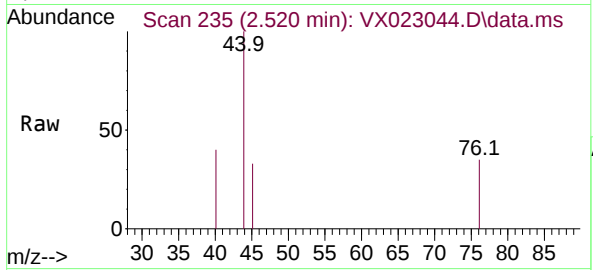
Tgt Ion: 43 Resp: 6868
Ion Ratio Lower Upper
43 100
58 29.4 27.8 41.8



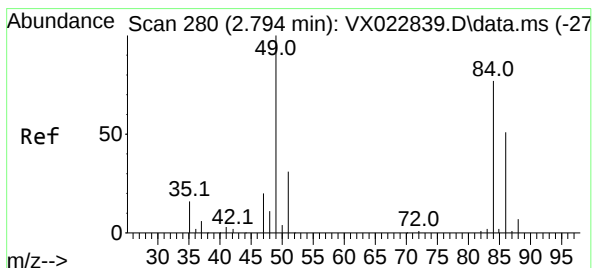
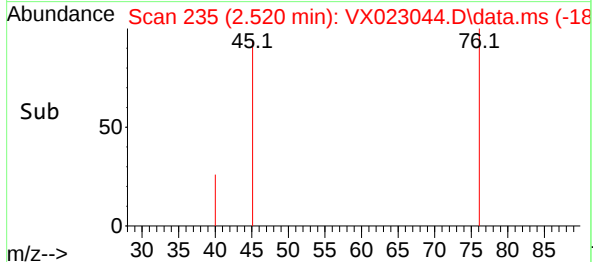
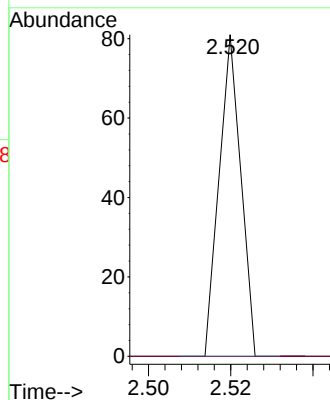


#17
Carbon Disulfide
Concen: 3.529 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

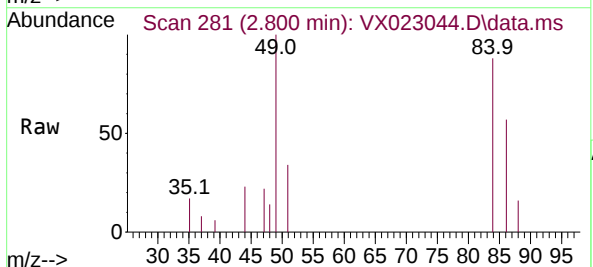
Instrument :
MSVOA_X
ClientSampled :



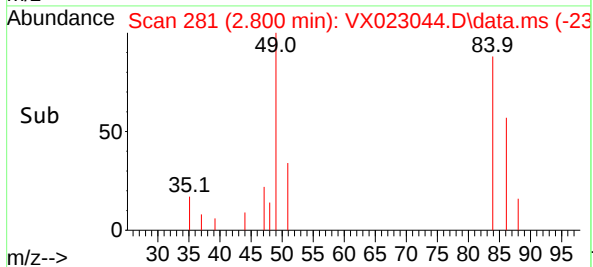
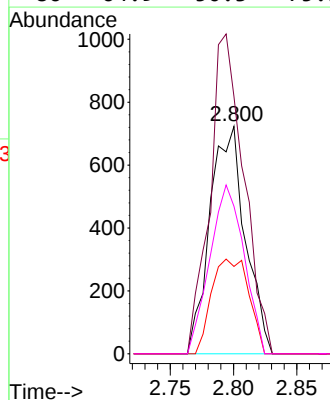
Tgt Ion: 76 Resp: 30
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

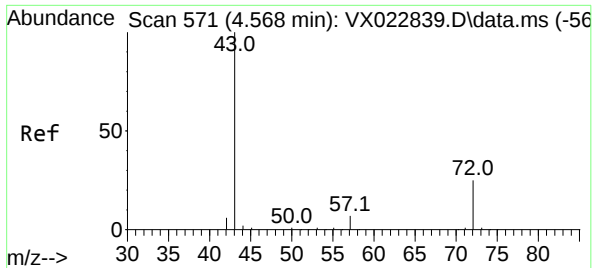


#20
Methylene Chloride
Concen: 1.885 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15



Tgt Ion: 84 Resp: 1409
Ion Ratio Lower Upper
84 100
49 113.1 88.6 132.8
51 38.5 27.0 40.6
86 64.9 50.3 75.5





#25

2-Butanone

Concen: 2.222 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023044.D

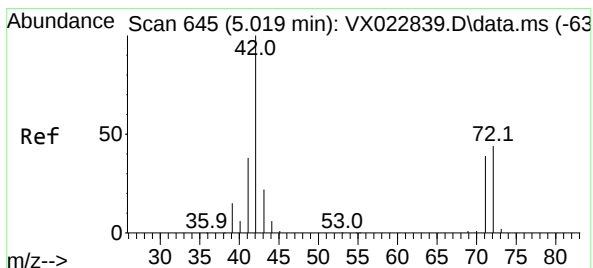
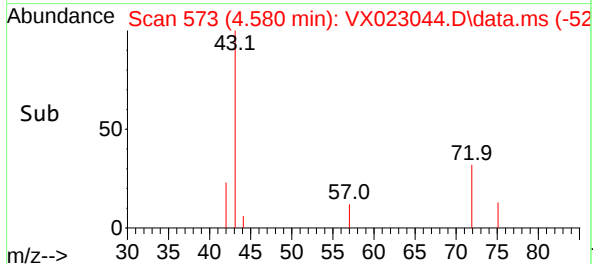
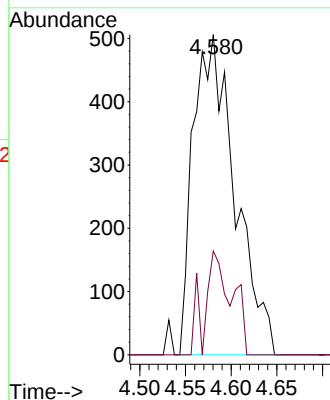
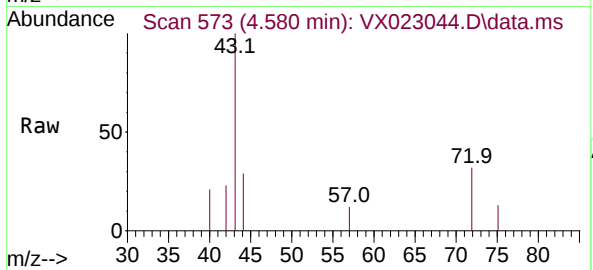
Acq: 30 Jun 2021 19:15

Tgt Ion: 43 Resp: 1610

Ion Ratio Lower Upper

43 100

72 32.4 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.901 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.006 min

Lab File: VX023044.D

Acq: 30 Jun 2021 19:15

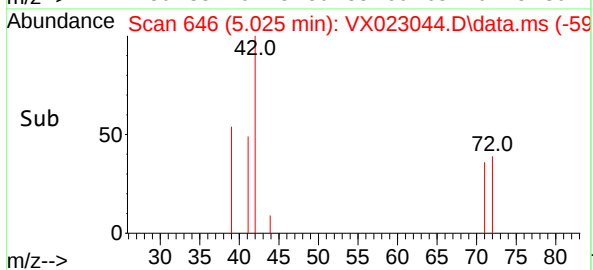
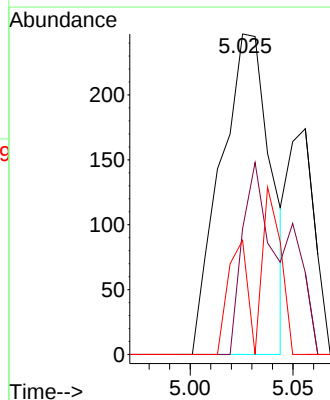
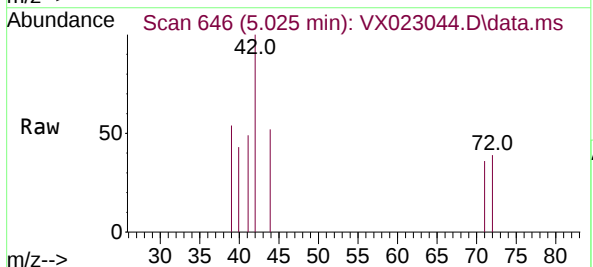
Tgt Ion: 42 Resp: 420

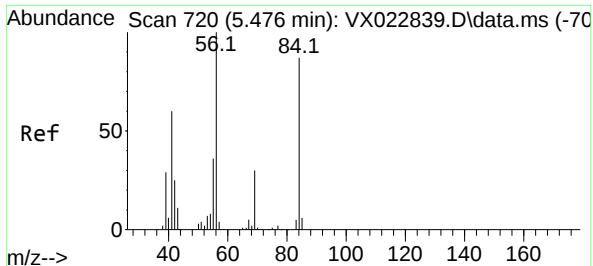
Ion Ratio Lower Upper

42 100

72 49.3 41.7 62.5

71 13.8 38.4 57.6#

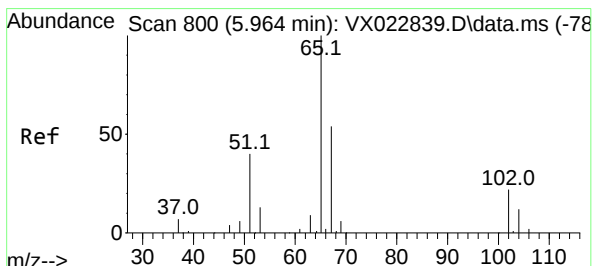
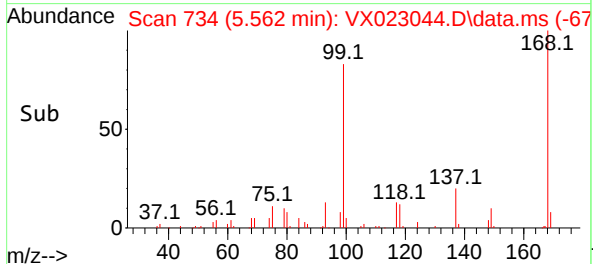
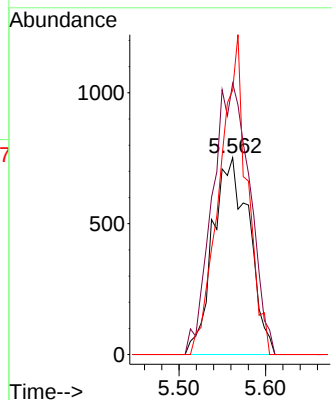
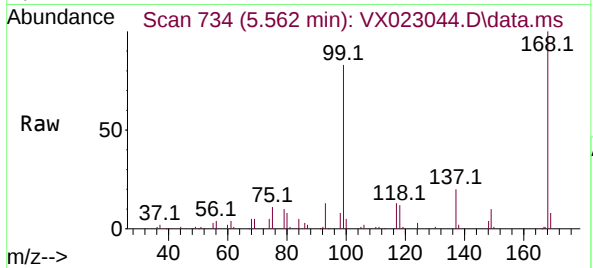




#31
Cyclohexane
Concen: 1.483 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.086 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

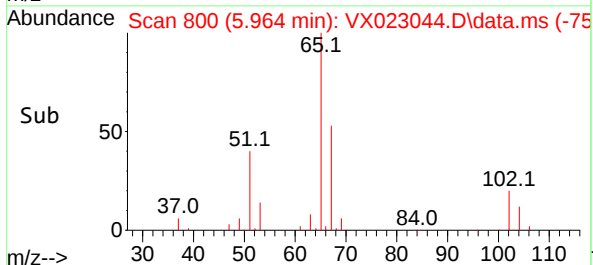
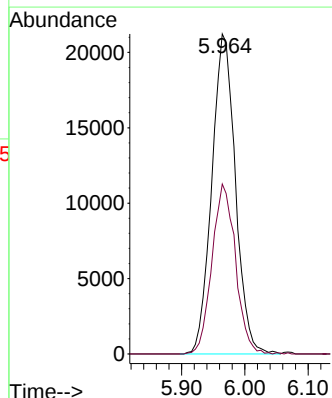
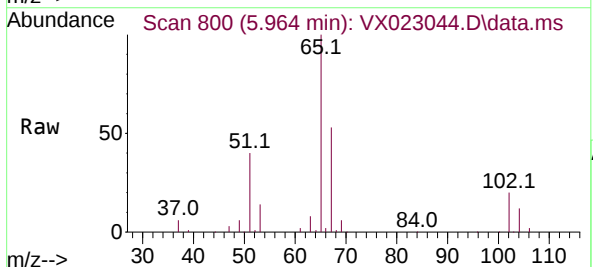
Instrument :
MSVOA_X
ClientSampled :

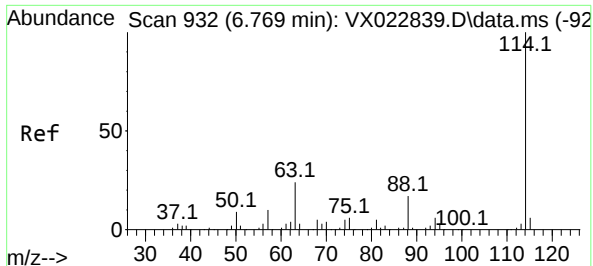
Tgt Ion: 56 Resp: 2201
Ion Ratio Lower Upper
56 100
69 137.8 25.3 37.9#
84 134.3 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.295 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

Tgt Ion: 65 Resp: 54972
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4

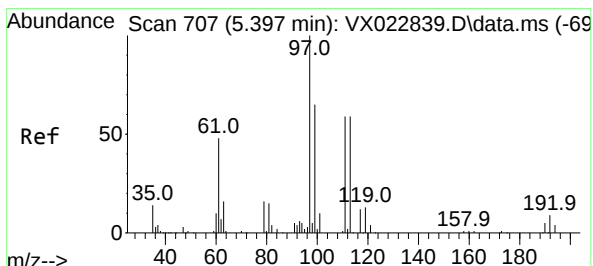
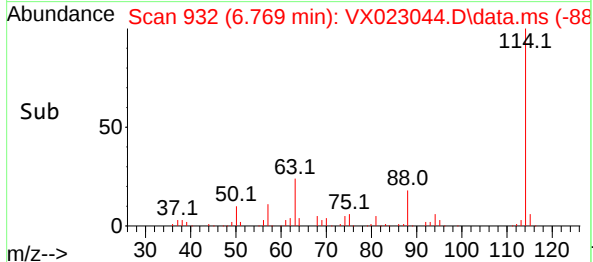
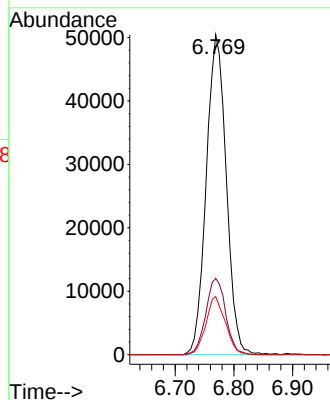
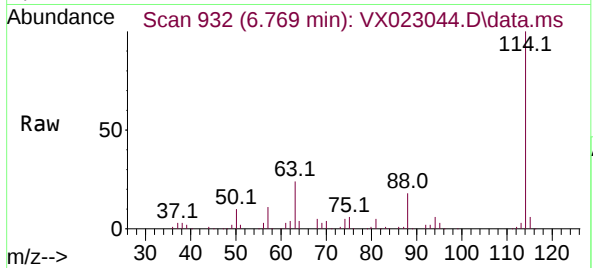




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

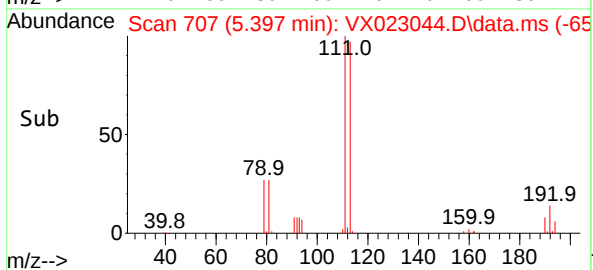
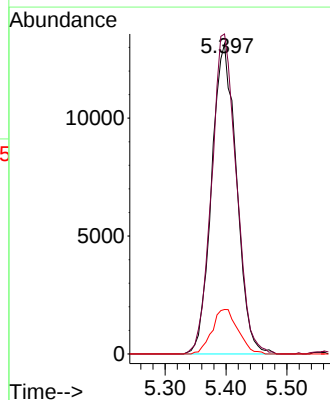
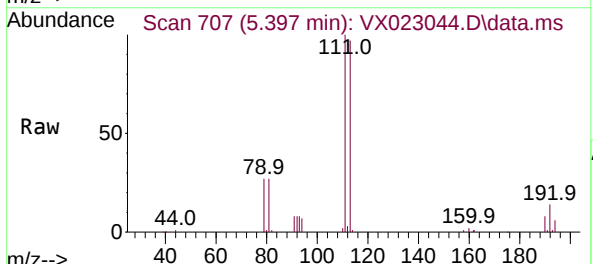
Instrument :
MSVOA_X
ClientSampled :

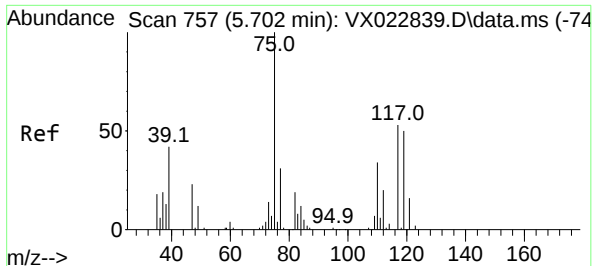
Tgt Ion:114 Resp: 119406
Ion Ratio Lower Upper
114 100
63 23.8 0.0 40.8
88 18.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.260 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

Tgt Ion:113 Resp: 37352
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 15.0 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.031 ug/l

RT: 5.556 min Scan# 733

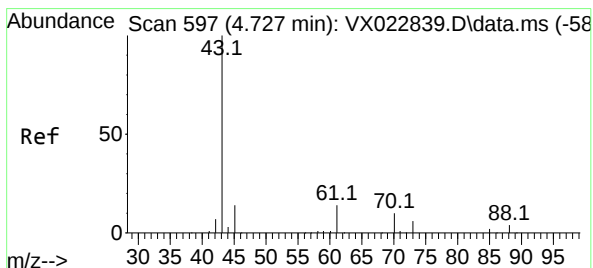
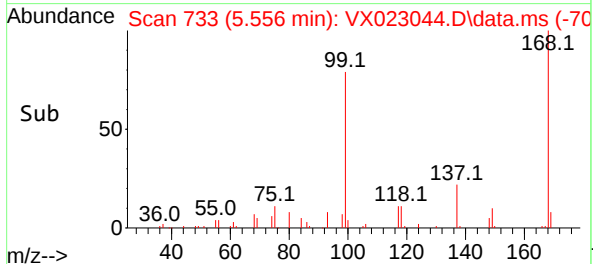
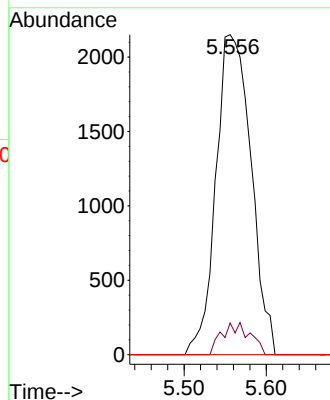
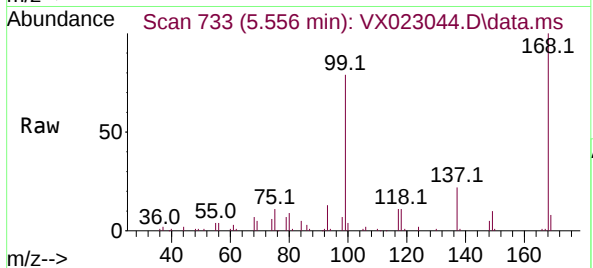
Delta R.T. -0.146 min

Lab File: VX023044.D

Acq: 30 Jun 2021 19:15

Tgt Ion:	75	Resp:	6381
Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampled :



#37

Ethyl Acetate

Concen: 1.096 ug/l

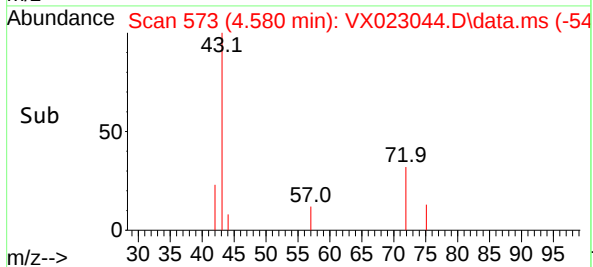
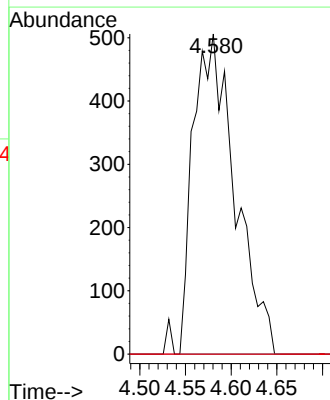
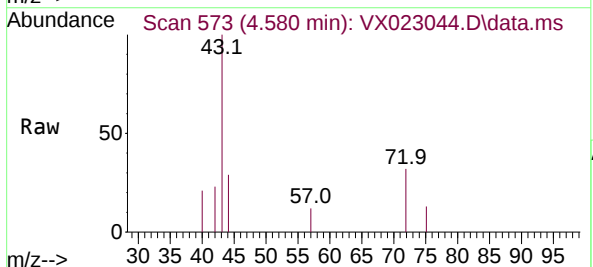
RT: 4.580 min Scan# 573

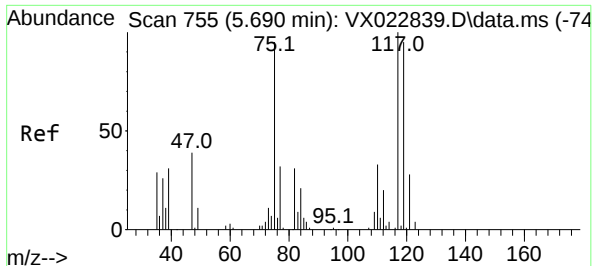
Delta R.T. -0.147 min

Lab File: VX023044.D

Acq: 30 Jun 2021 19:15

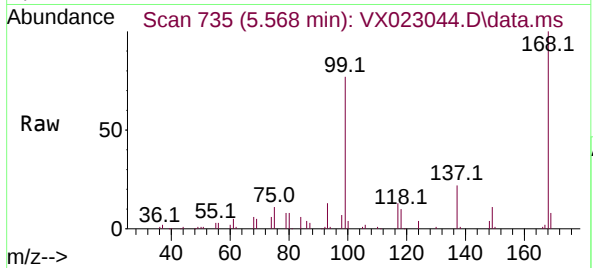
Tgt Ion:	43	Resp:	1610
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



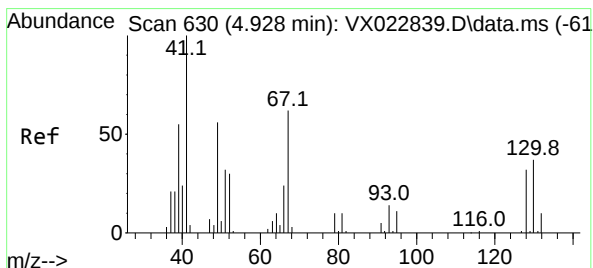
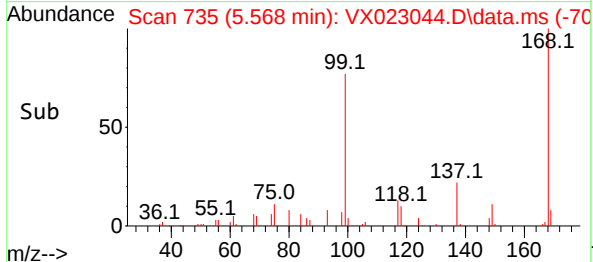
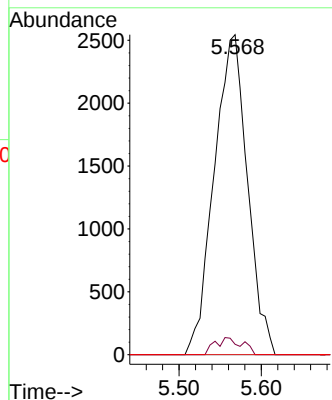


#38
Carbon Tetrachloride
Concen: 6.743 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

Instrument :
MSVOA_X
ClientSampled :

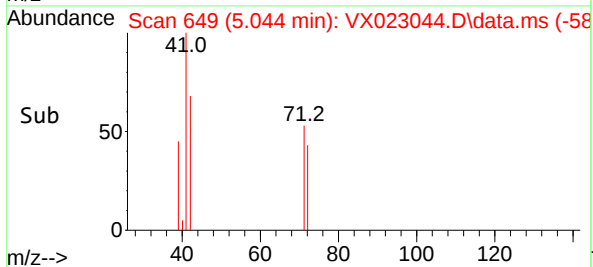
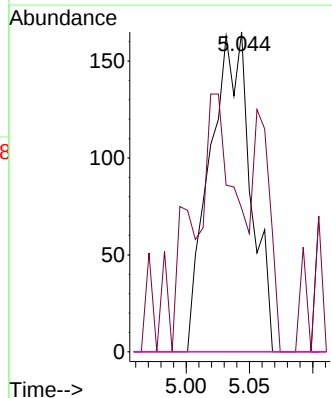
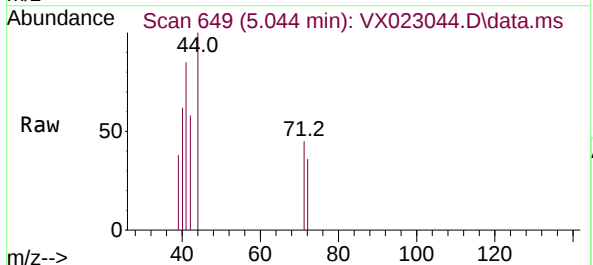


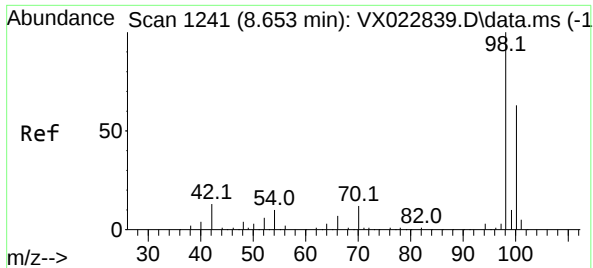
Tgt Ion:117 Resp: 7173
Ion Ratio Lower Upper
117 100
119 3.3 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.457 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

Tgt Ion: 41 Resp: 370
Ion Ratio Lower Upper
41 100
39 29.7 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

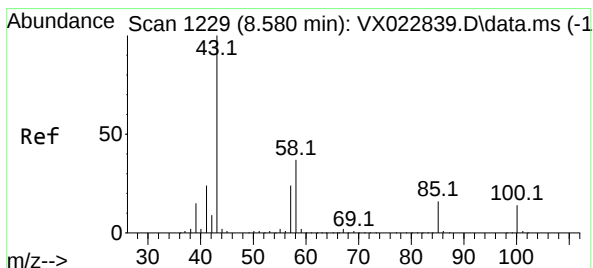
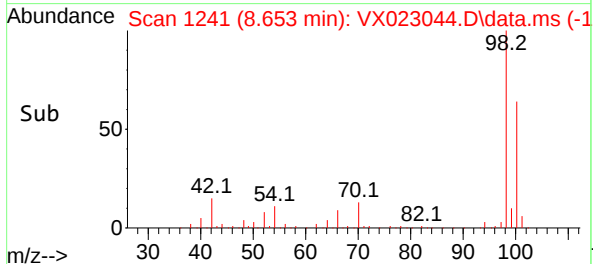
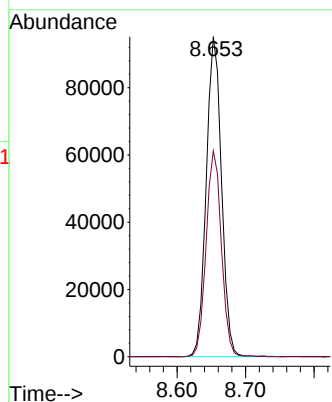
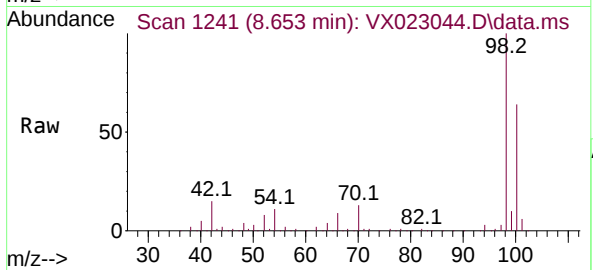




#50
Toluene-d8
Concen: 49.597 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

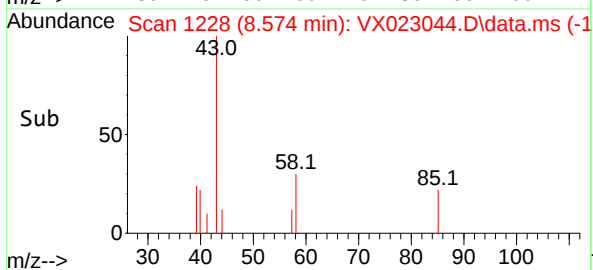
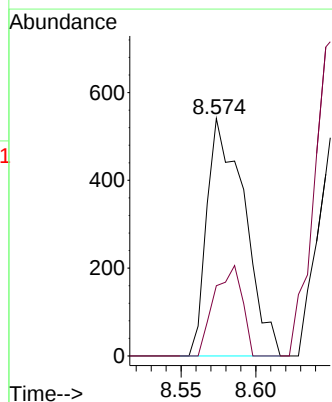
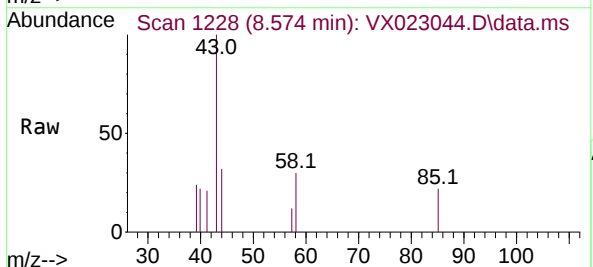
Instrument :
MSVOA_X
ClientSampled :

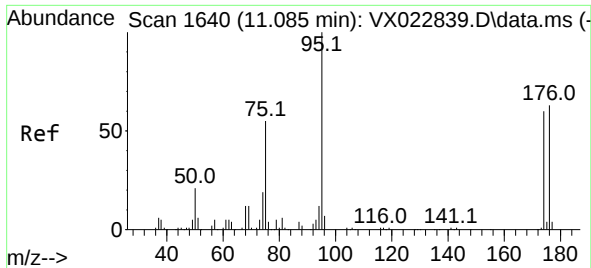
Tgt Ion: 98 Resp: 147391
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.642 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

Tgt Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
58 28.3 35.4 53.0#

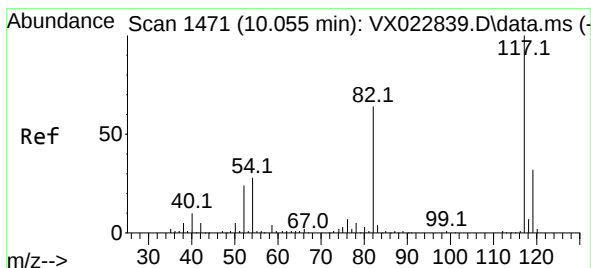
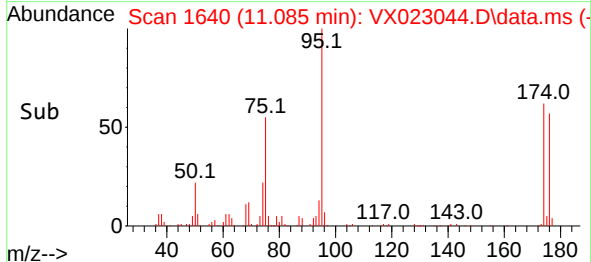
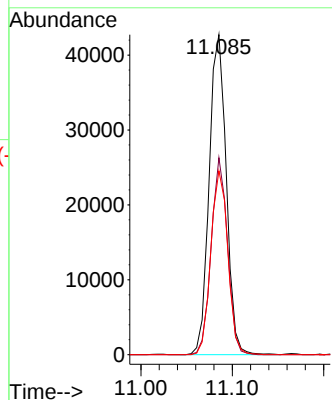
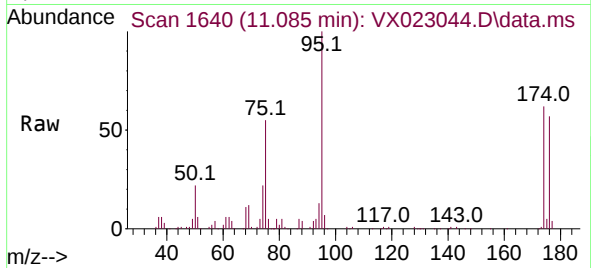




#62
4-Bromofluorobenzene
Concen: 49.957 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

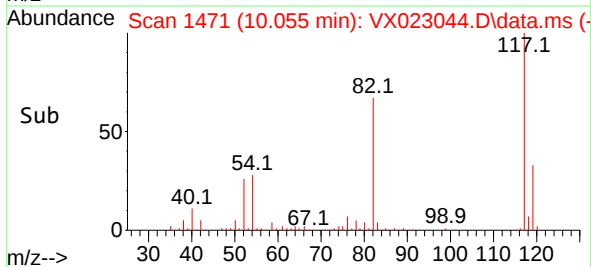
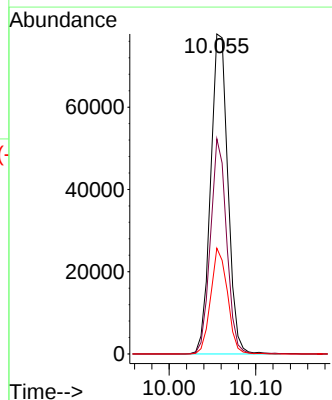
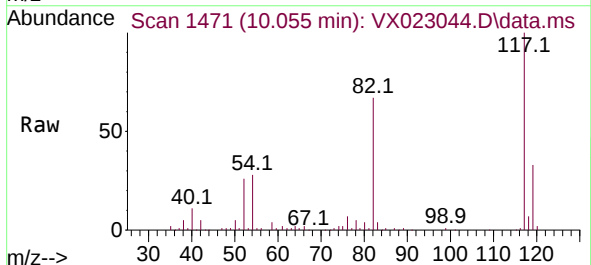
Instrument :
MSVOA_X
ClientSampled :

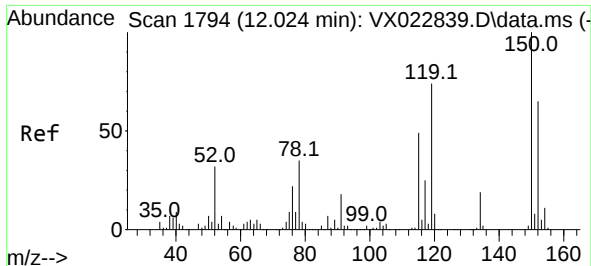
Tgt Ion: 95 Resp: 55407
Ion Ratio Lower Upper
95 100
174 58.6 0.0 154.6
176 57.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

Tgt Ion: 117 Resp: 107484
Ion Ratio Lower Upper
117 100
82 67.2 47.4 71.2
119 33.0 26.6 39.8

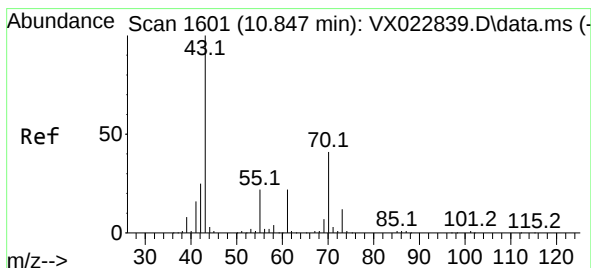
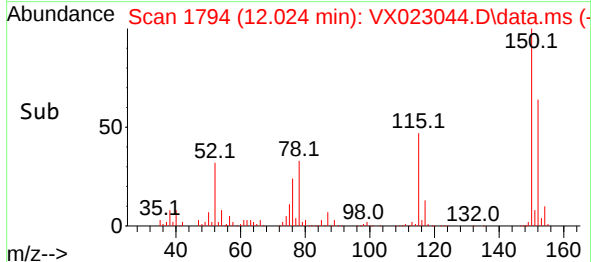
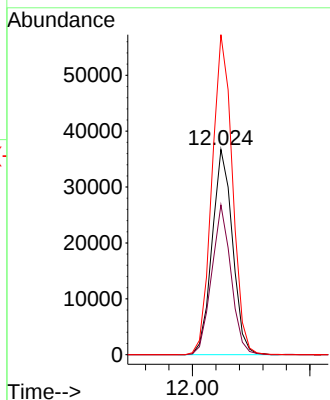
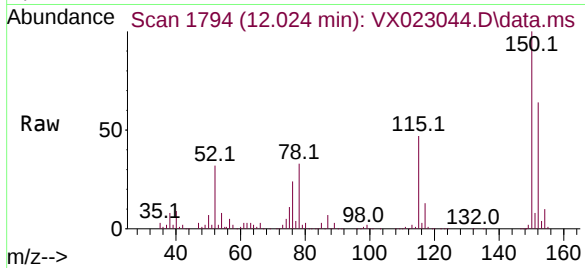




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

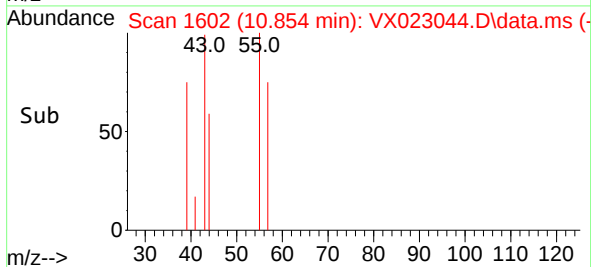
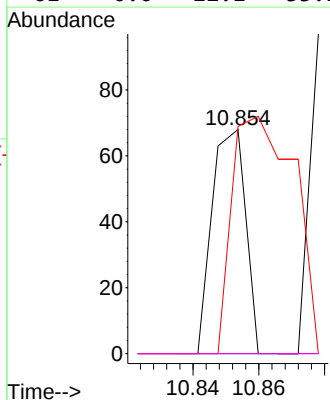
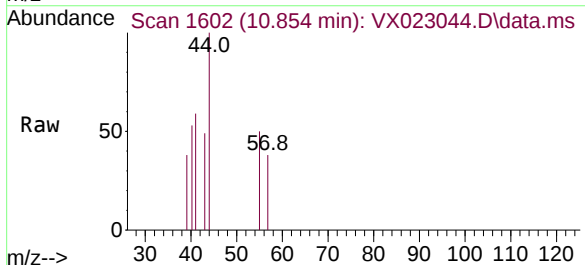
Instrument :
MSVOA_X
ClientSampled :

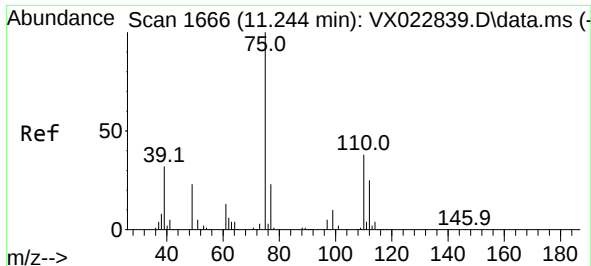
Tgt Ion:152 Resp: 44252
Ion Ratio Lower Upper
152 100
115 69.3 41.1 123.3
150 156.5 0.0 349.0



#74
N-ethyl acetate
Concen: 2.077 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.007 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

Tgt Ion: 43 Resp: 48
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 197.9 21.5 32.3#
61 0.0 22.1 33.1#

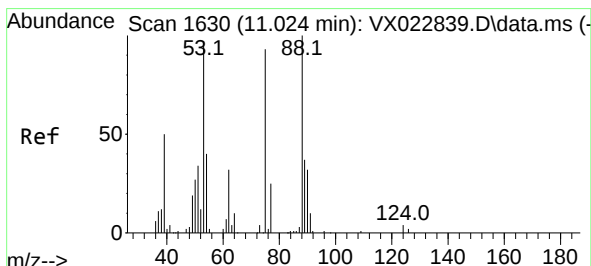
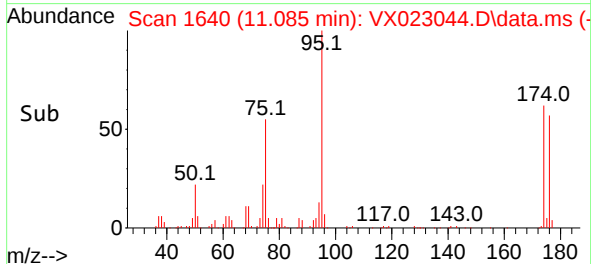
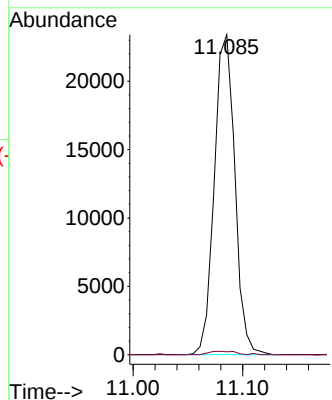
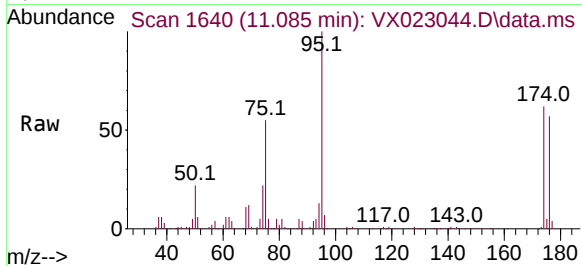




#76
1,2,3-Trichloropropane
Concen: 26.107 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

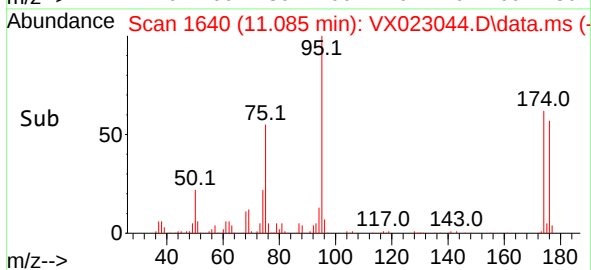
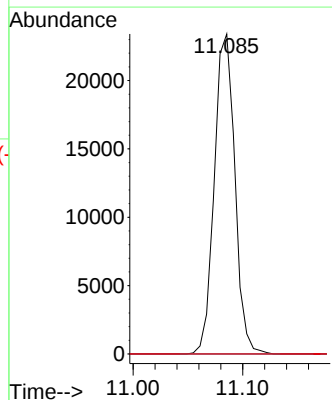
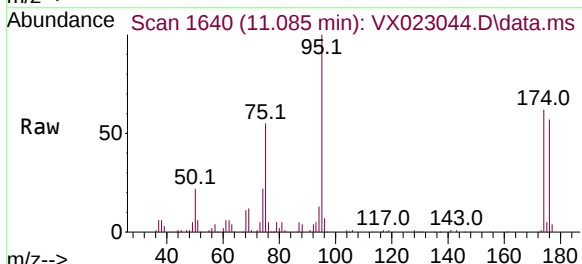
Instrument :
MSVOA_X
ClientSampled :

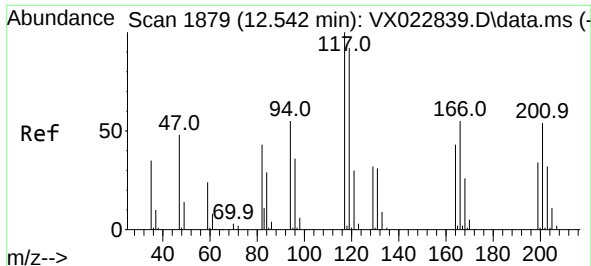
Tgt Ion: 75 Resp: 30516
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.845 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

Tgt Ion: 75 Resp: 30516
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

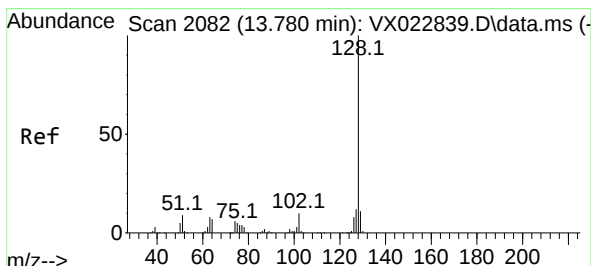
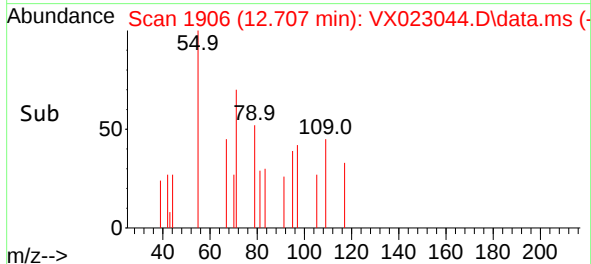
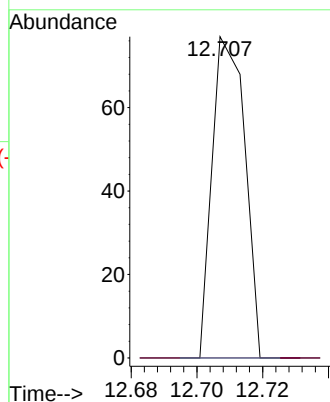
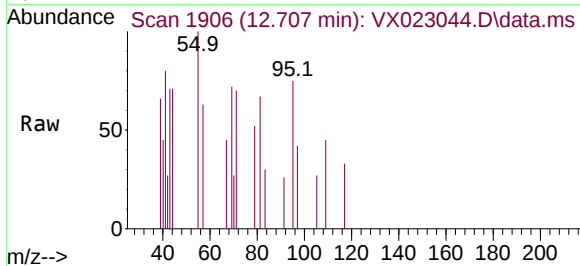




#90
Hexachloroethane
Concen: 3.796 ug/l
RT: 12.707 min Scan# 1906
Delta R.T. 0.165 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:117 Resp: 53
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 1.990 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX023044.D
Acq: 30 Jun 2021 19:15

Tgt Ion:128 Resp: 254
Ion Ratio Lower Upper
128 100
127 7.5 10.3 15.5#
129 9.4 8.8 13.2

