

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100621\
 Data File : VX024617.D
 Acq On : 06 Oct 2021 14:23
 Operator : JC/MD
 Sample : M4042-05
 Misc : 4.99g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 06 15:23:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

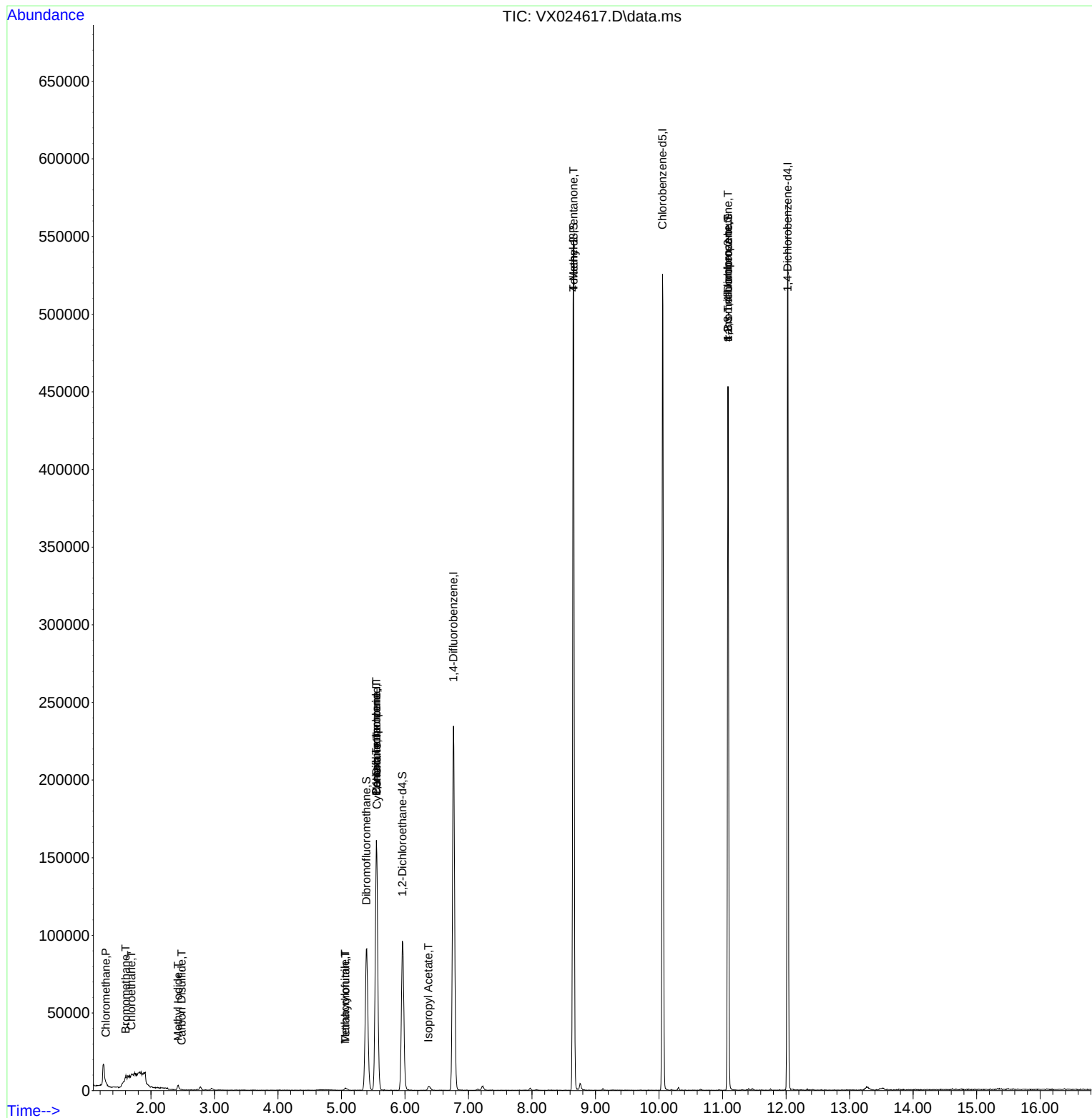
Internal Standards						
1) Pentafluorobenzene	5.550	168	149528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	235047	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98962	46.959	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.920%		
35) Dibromofluoromethane	5.391	113	80759	51.720	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.440%		
50) Toluene-d8	8.653	98	331582	57.696	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	115.400%#		
62) 4-Bromofluorobenzene	11.085	95	122893	54.386	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.780%		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	347	0.245	ug/l	93
5) Bromomethane	1.599	94	780	0.781	ug/l	99
6) Chloroethane	1.690	64	149	0.408	ug/l #	43
10) Methyl Iodide	2.428	142	2369	1.147	ug/l #	83
11) Tert butyl alcohol	2.959	59	842	Below Cal	#	73
16) Acetone	2.416	43	685	Below Cal	#	40
17) Carbon Disulfide	2.483	76	458	0.357	ug/l #	75
20) Methylene Chloride	2.776	84	868	Below Cal	#	88
29) Tetrahydrofuran	5.062	42	1330	1.438	ug/l #	57
31) Cyclohexane	5.556	56	2765	1.096	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11525	5.115	ug/l #	49
38) Carbon Tetrachloride	5.550	117	15160	6.181	ug/l #	17
41) Methacrylonitrile	5.056	41	785	0.540	ug/l #	35
43) Isopropyl Acetate	6.367	43	1499	0.350	ug/l #	57
51) 4-Methyl-2-Pentanone	8.653	43	1440	0.510	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	62227	22.584	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	62227	61.772	ug/l #	12

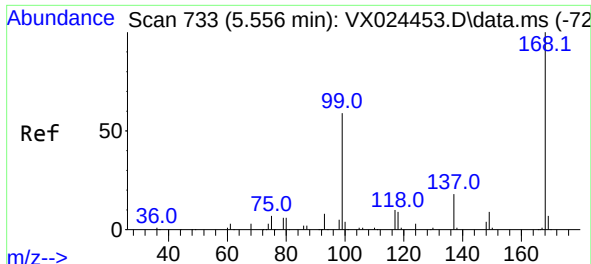
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 06 15:23:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

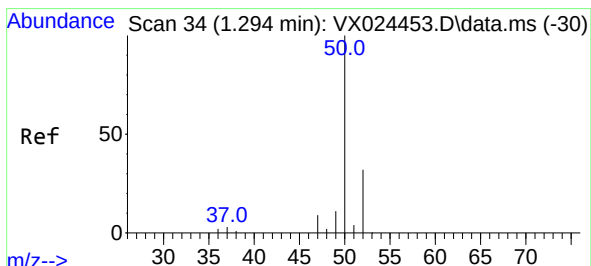
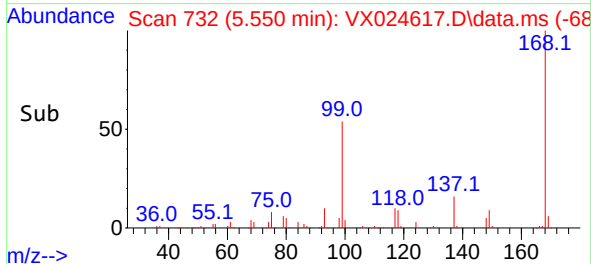
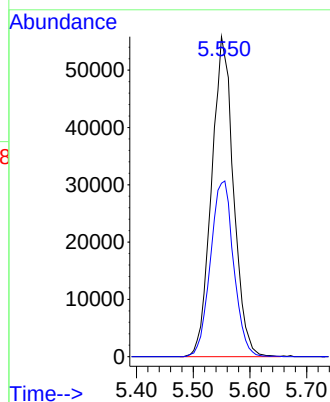
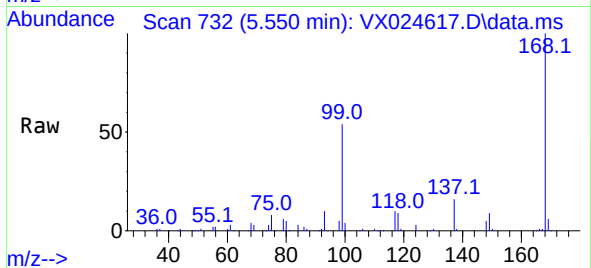




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.006 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

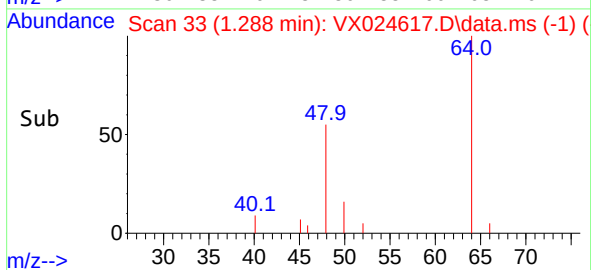
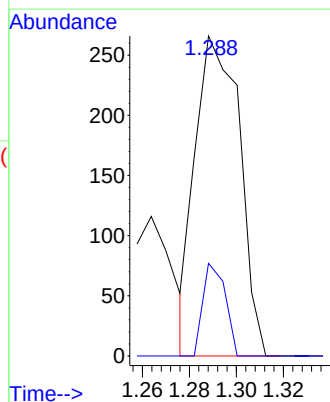
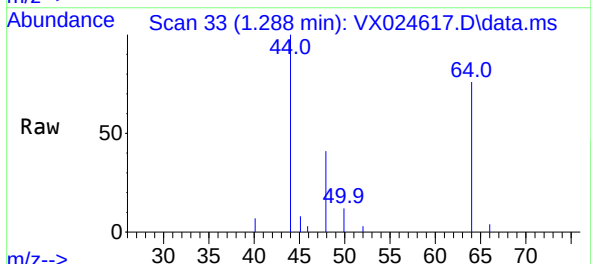
Instrument :
MSVOA_X
ClientSampled :

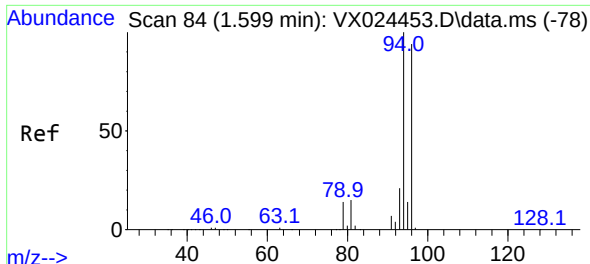
Tgt Ion:168 Resp: 149528
Ion Ratio Lower Upper
168 100
99 54.2 45.8 68.6



#3
Chloromethane
Concen: 0.245 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

Tgt Ion: 50 Resp: 347
Ion Ratio Lower Upper
50 100
52 28.9 26.4 39.6

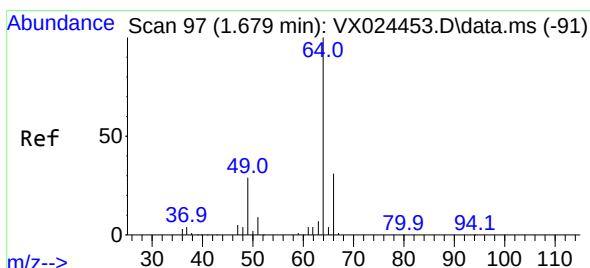
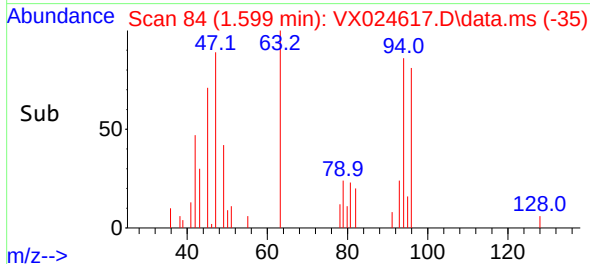
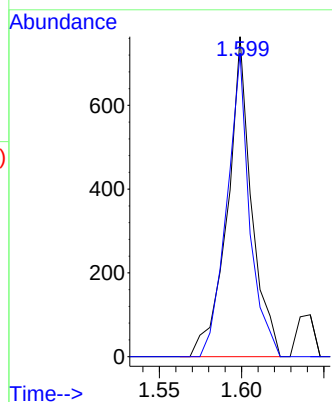
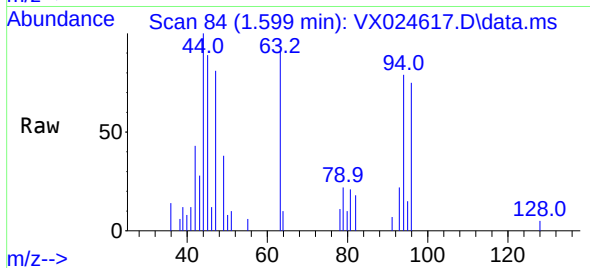




#5
Bromomethane
Concen: 0.781 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

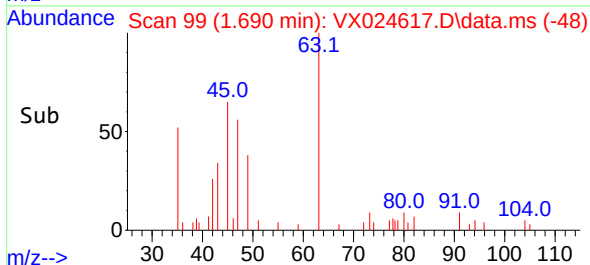
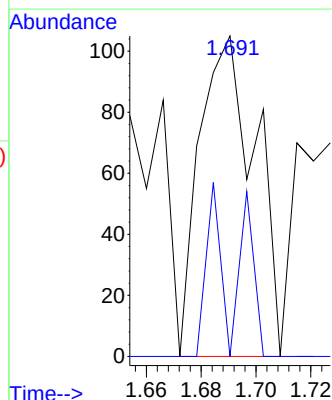
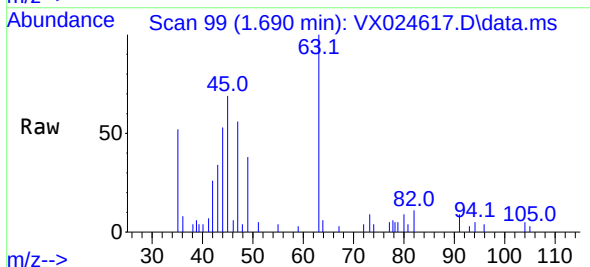
Instrument :
MSVOA_X
ClientSampleId :

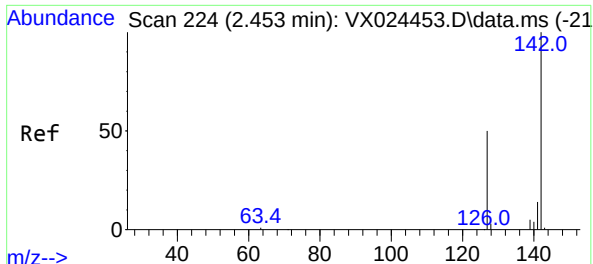
Tgt Ion: 94 Resp: 780
Ion Ratio Lower Upper
94 100
96 94.9 76.4 114.6



#6
Chloroethane
Concen: 0.408 ug/l
RT: 1.690 min Scan# 99
Delta R.T. 0.011 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

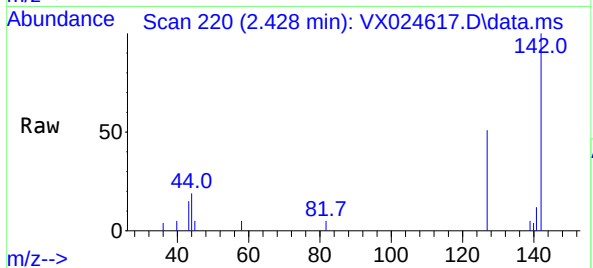
Tgt Ion: 64 Resp: 149
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



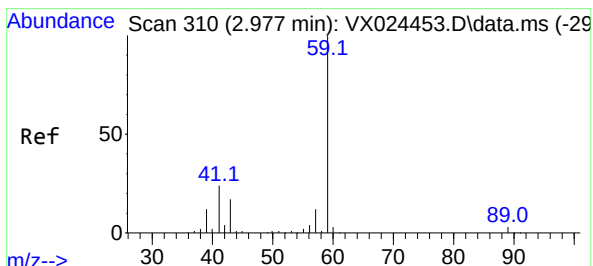
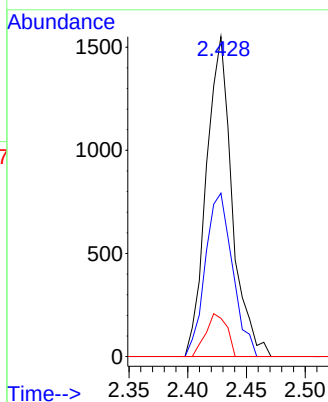
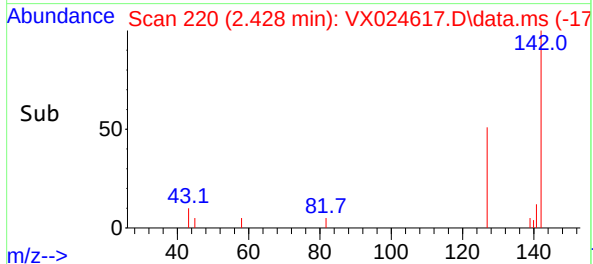


#10
Methyl Iodide
Concen: 1.147 ug/l
RT: 2.428 min Scan# 220
Delta R.T. -0.025 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

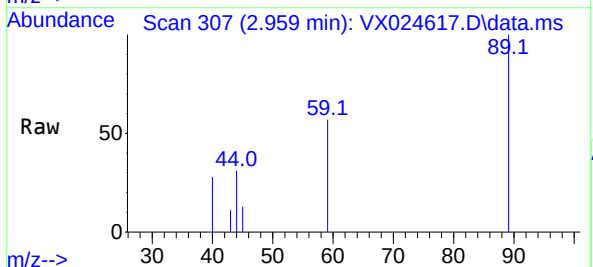
Instrument :
MSVOA_X
ClientSampled :



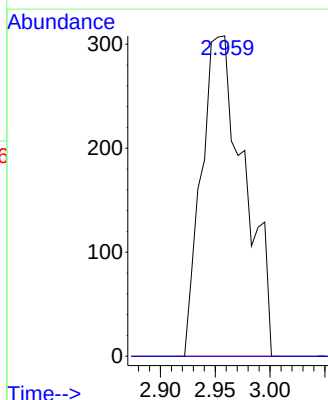
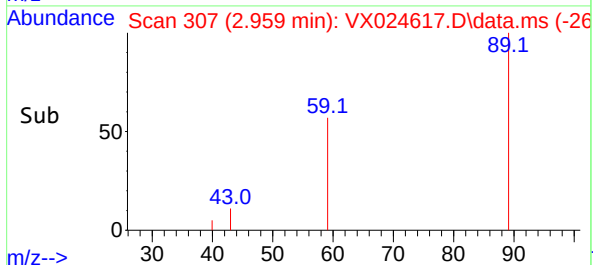
Tgt Ion:142 Resp: 2369
Ion Ratio Lower Upper
142 100
127 54.1 33.3 49.9#
141 11.0 11.4 17.0#

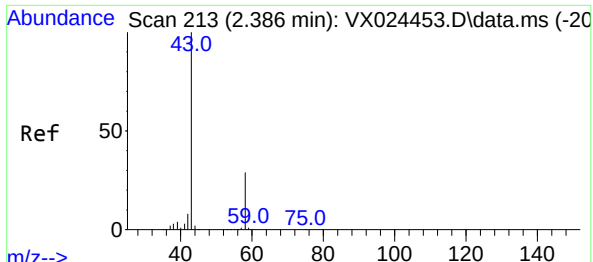


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23



Tgt Ion: 59 Resp: 842
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

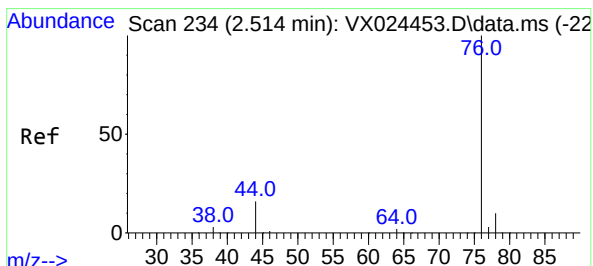
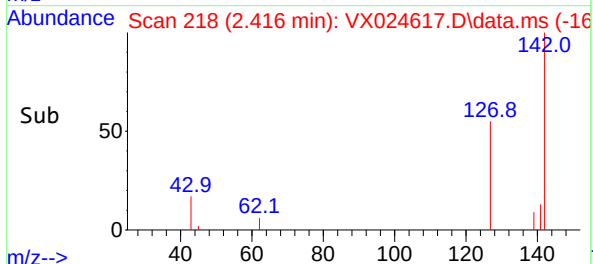
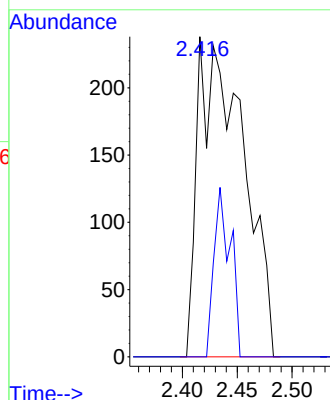
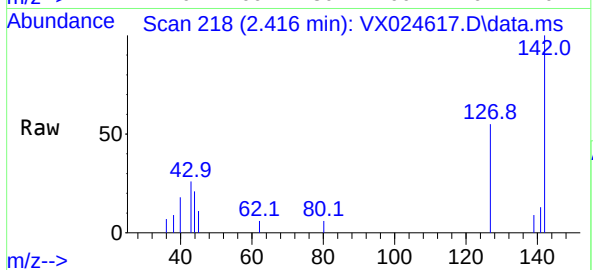




#16
Acetone
Concen: Below Cal
RT: 2.416 min Scan# 218
Delta R.T. 0.030 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

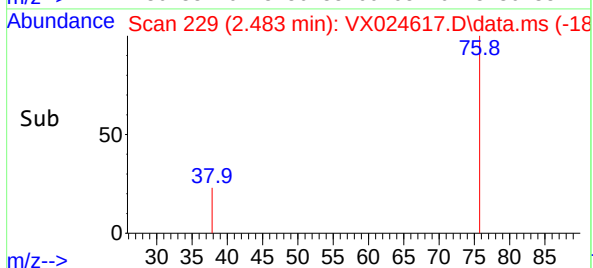
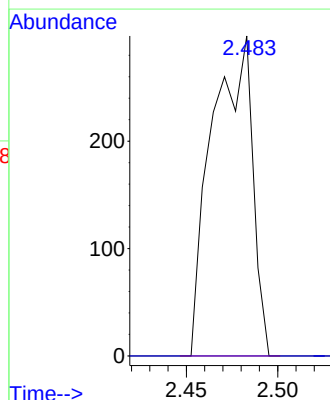
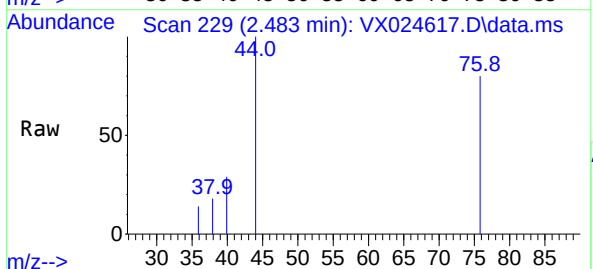
Instrument :
MSVOA_X
ClientSampled :

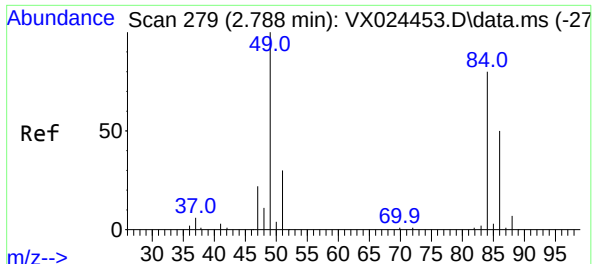
Tgt Ion: 43 Resp: 685
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.357 ug/l
RT: 2.483 min Scan# 229
Delta R.T. -0.031 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

Tgt Ion: 76 Resp: 458
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.776 min Scan# 277

Delta R.T. -0.012 min

Lab File: VX024617.D

Acq: 06 Oct 2021 14:23

Tgt Ion: 84 Resp: 868

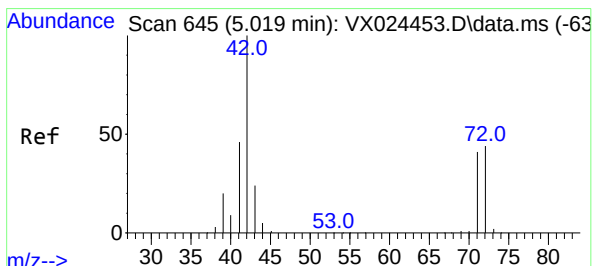
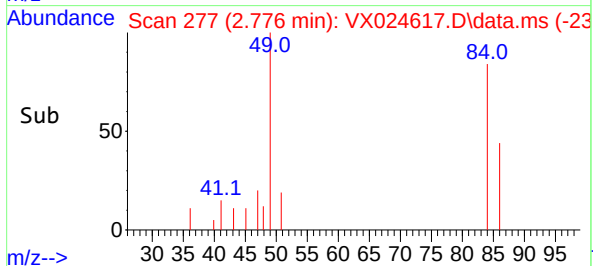
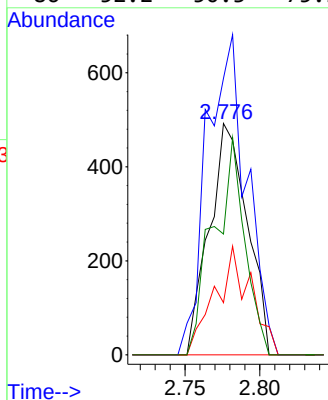
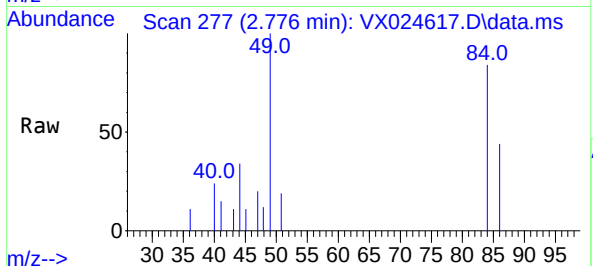
Ion Ratio Lower Upper

84 100

49 119.5 88.6 132.8

51 22.6 27.0 40.6#

86 52.2 50.3 75.5



#29

Tetrahydrofuran

Concen: 1.438 ug/l

RT: 5.062 min Scan# 652

Delta R.T. 0.043 min

Lab File: VX024617.D

Acq: 06 Oct 2021 14:23

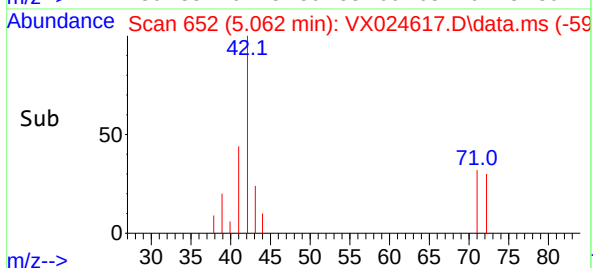
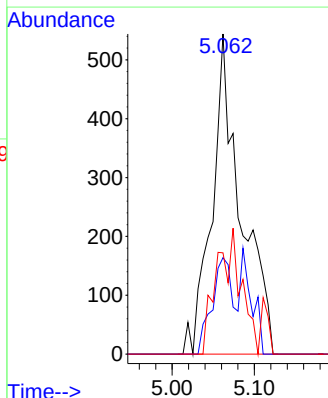
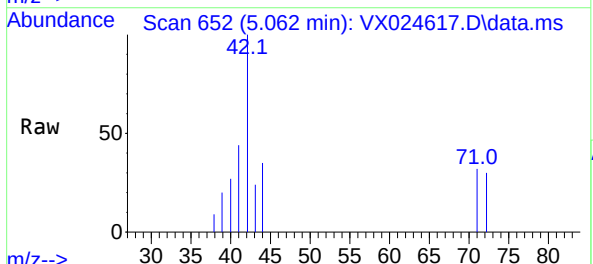
Tgt Ion: 42 Resp: 1330

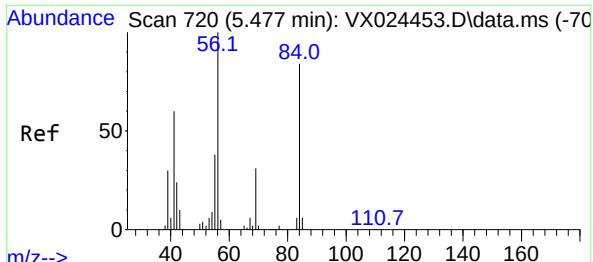
Ion Ratio Lower Upper

42 100

72 22.3 41.7 62.5#

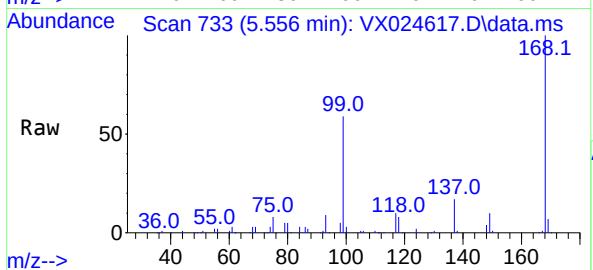
71 18.0 38.4 57.6#



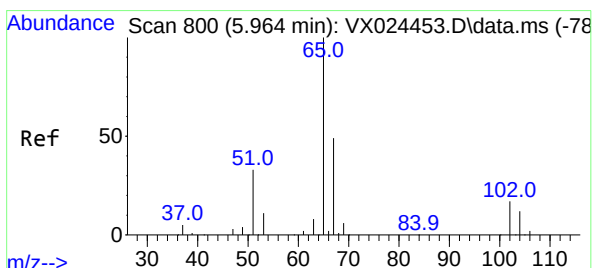
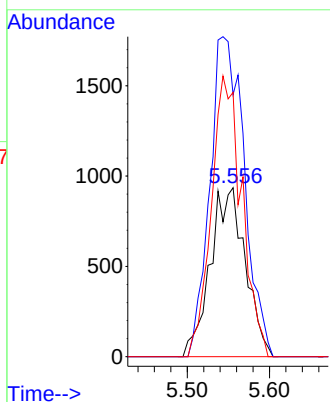
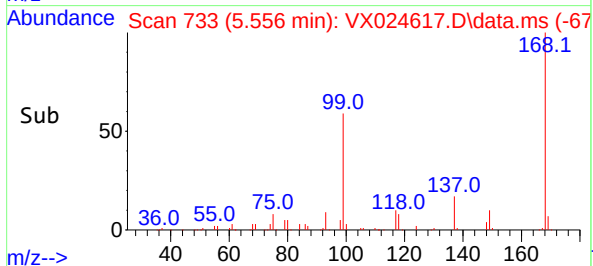


#31
Cyclohexane
Concen: 1.096 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

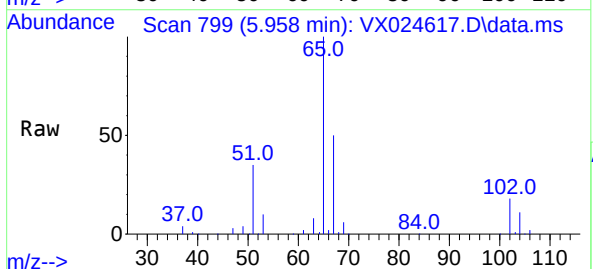
Instrument :
MSVOA_X
ClientSampled :



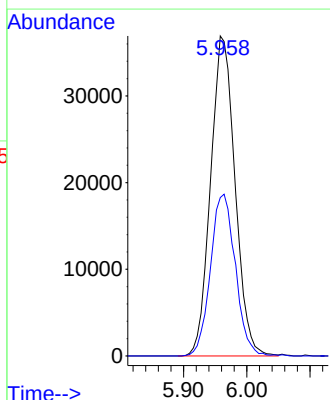
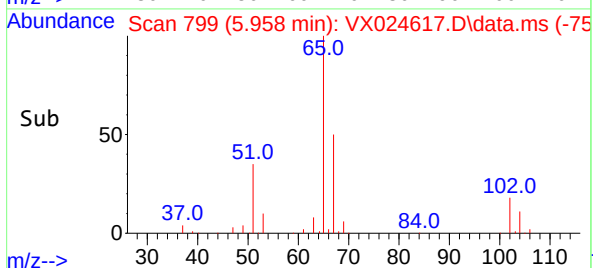
Tgt Ion: 56 Resp: 2765
Ion Ratio Lower Upper
56 100
69 155.0 25.3 37.9#
84 156.4 71.4 107.0#

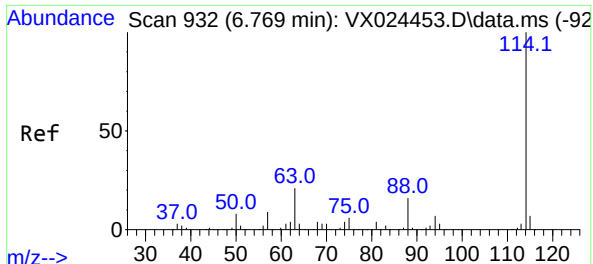


#33
1,2-Dichloroethane-d4
Concen: 46.959 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23



Tgt Ion: 65 Resp: 98962
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.4



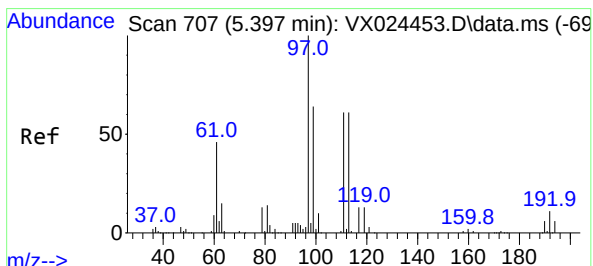
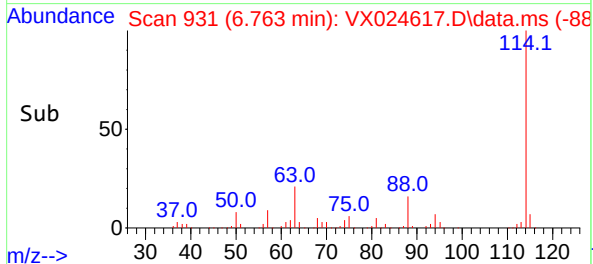
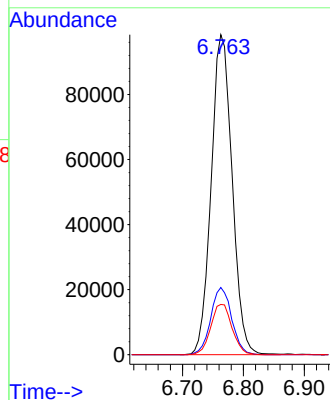
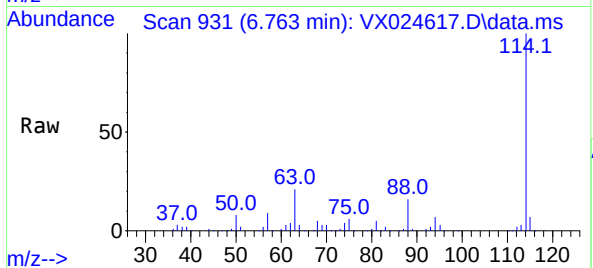


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

Instrument :
MSVOA_X
ClientSampled :

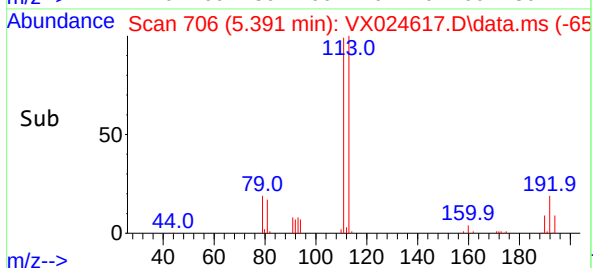
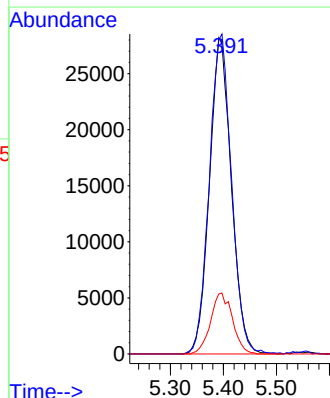
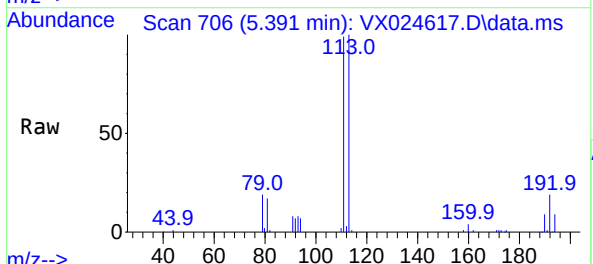
Tgt Ion:114 Resp: 235047
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 15.7 0.0 32.8

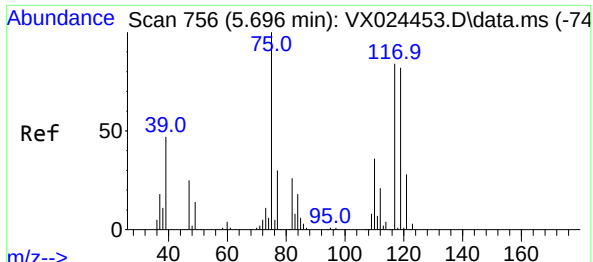


#35

Dibromofluoromethane
Concen: 51.720 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

Tgt Ion:113 Resp: 80759
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 19.3 16.7 25.1

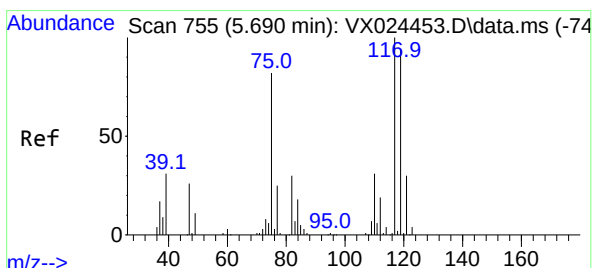
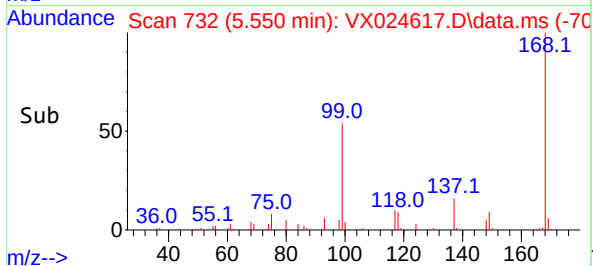
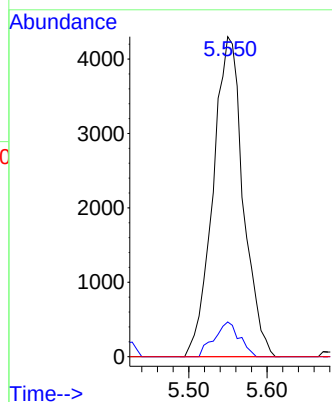
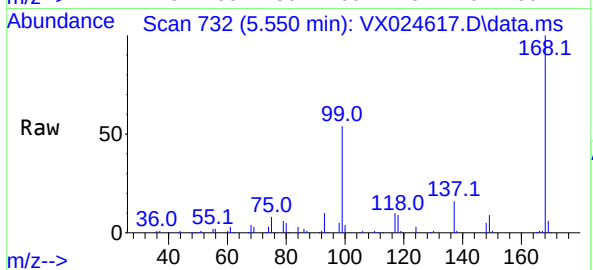




#36
1,1-Dichloropropene
Concen: 5.115 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

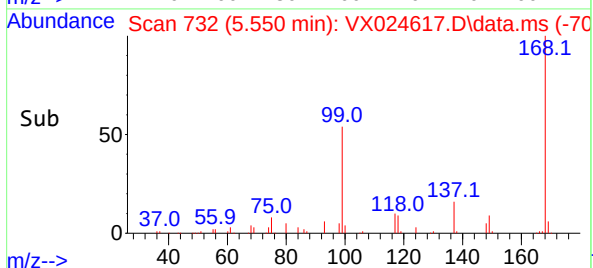
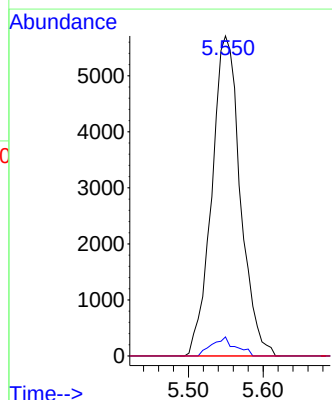
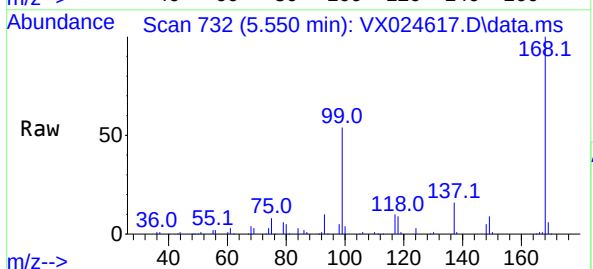
Instrument :
MSVOA_X
ClientSampled :

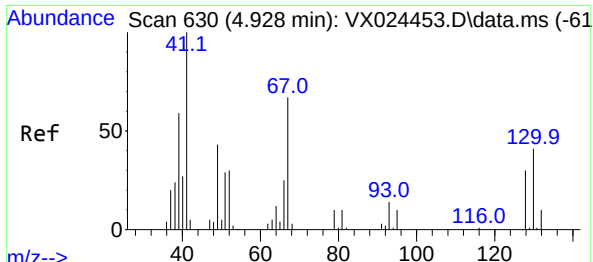
Tgt Ion: 75 Resp: 11525
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.181 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

Tgt Ion:117 Resp: 15160
Ion Ratio Lower Upper
117 100
119 6.0 76.2 114.2#
121 0.0 24.8 37.2#



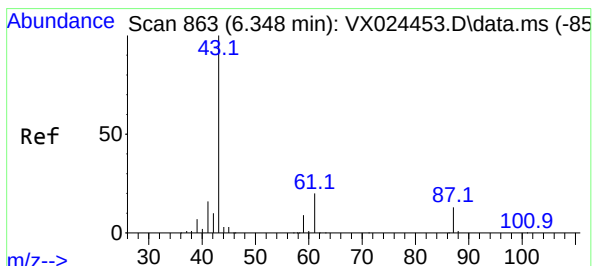
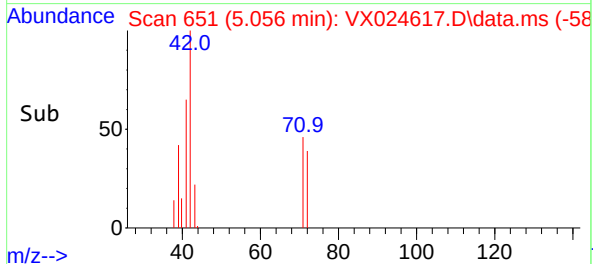
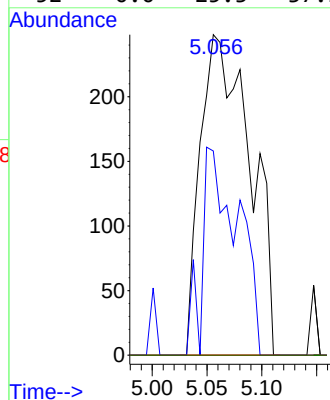
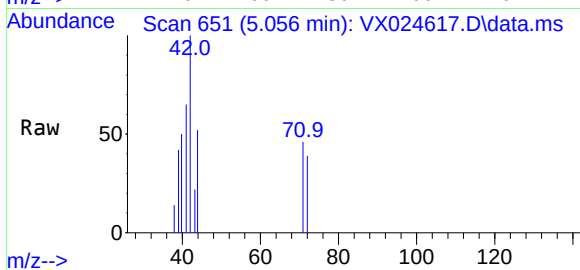


#41
Methacrylonitrile
Concen: 0.540 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.128 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 41 Resp: 785

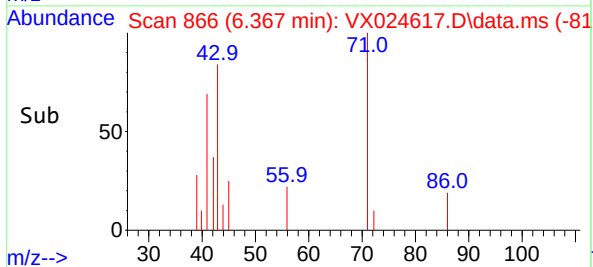
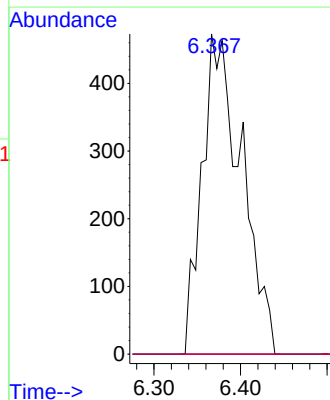
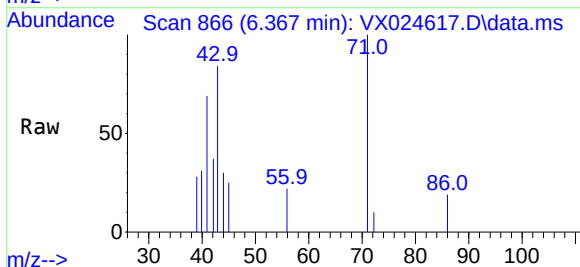
Ion	Ratio	Lower	Upper
41	100		
39	32.9	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#

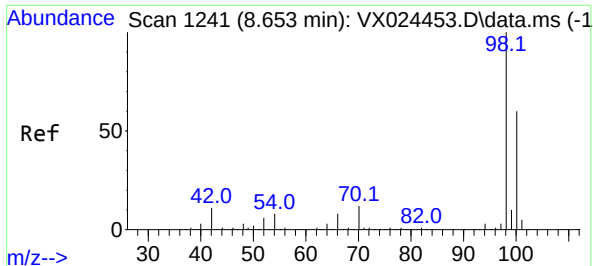


#43
Isopropyl Acetate
Concen: 0.350 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.019 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

Tgt Ion: 43 Resp: 1499

Ion	Ratio	Lower	Upper
43	100		
61	0.0	18.2	27.4#
87	0.0	12.5	18.7#





#50

Toluene-d8

Concen: 57.696 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024617.D

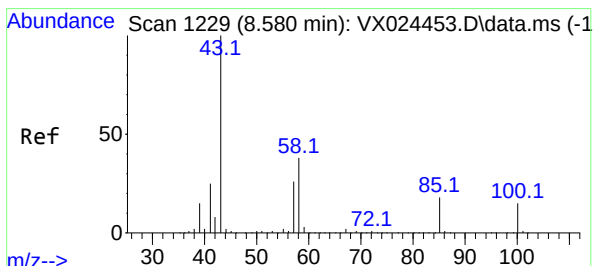
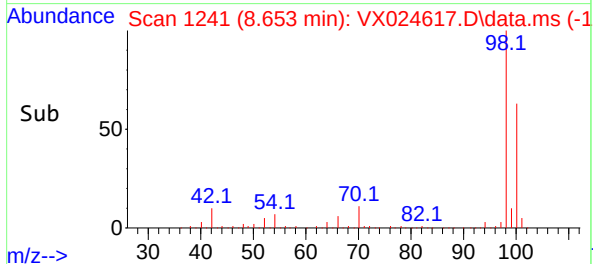
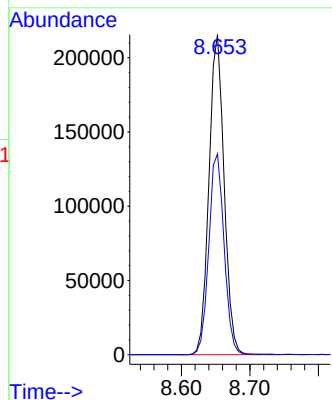
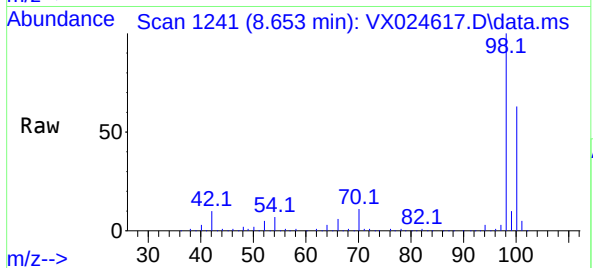
Acq: 06 Oct 2021 14:23

Tgt Ion: 98 Resp: 331582

Ion Ratio Lower Upper

98 100

100 63.4 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.510 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX024617.D

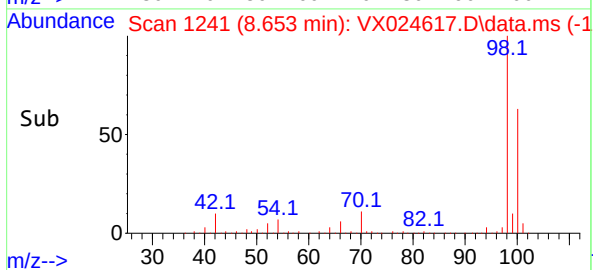
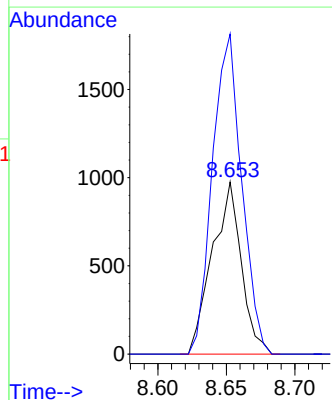
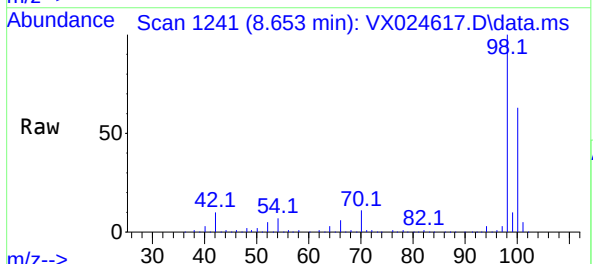
Acq: 06 Oct 2021 14:23

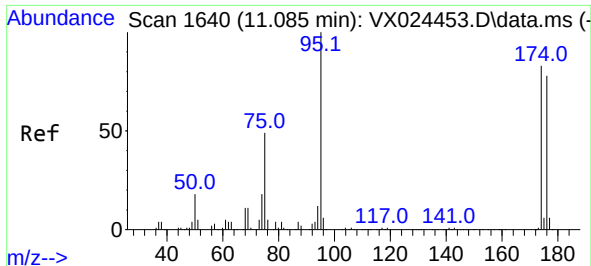
Tgt Ion: 43 Resp: 1440

Ion Ratio Lower Upper

43 100

58 187.2 35.4 53.0#

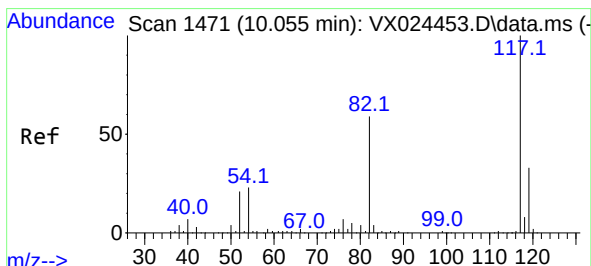
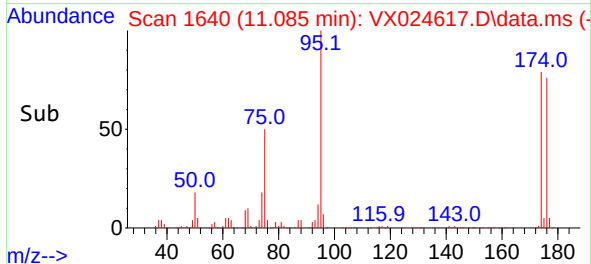
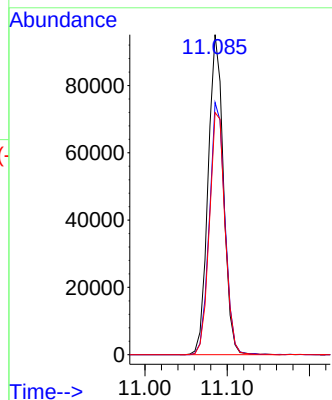
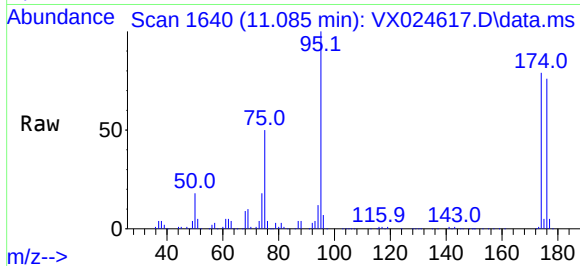




#62
4-Bromofluorobenzene
Concen: 54.386 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

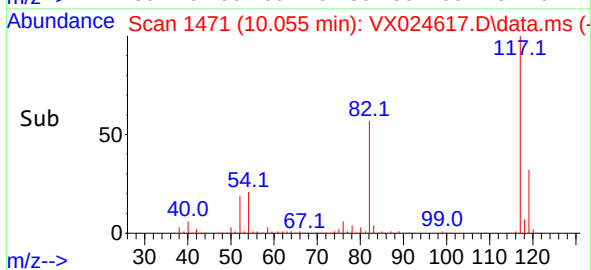
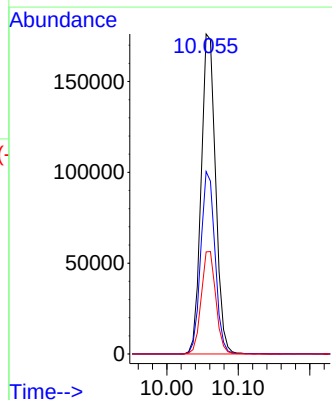
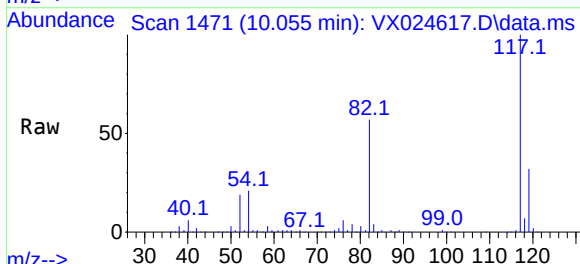
Instrument :
MSVOA_X
ClientSampled :

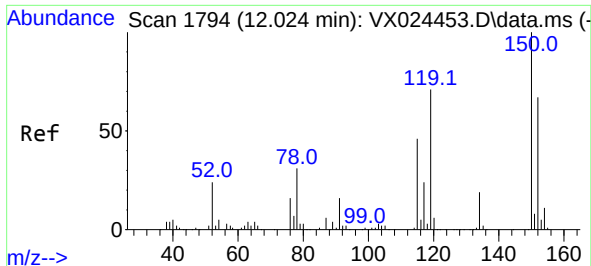
Tgt Ion: 95 Resp: 122893
Ion Ratio Lower Upper
95 100
174 79.8 0.0 154.6
176 77.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

Tgt Ion: 117 Resp: 246781
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 31.9 26.6 39.8

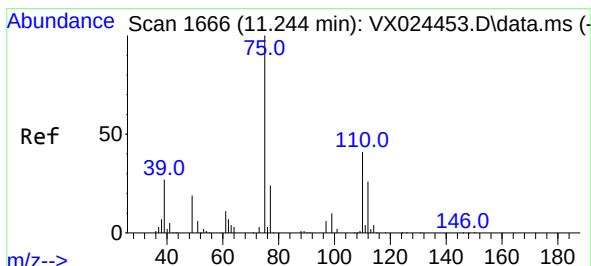
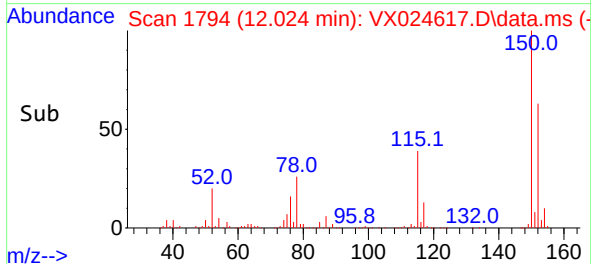
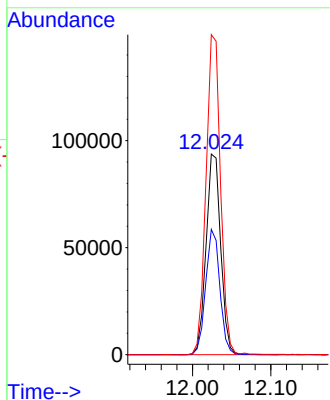
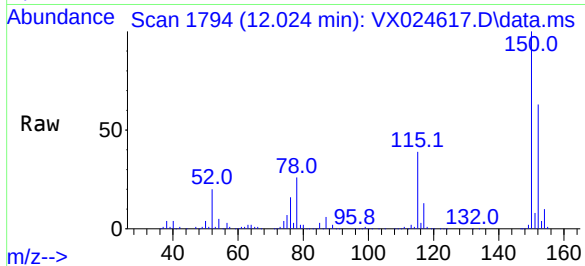




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

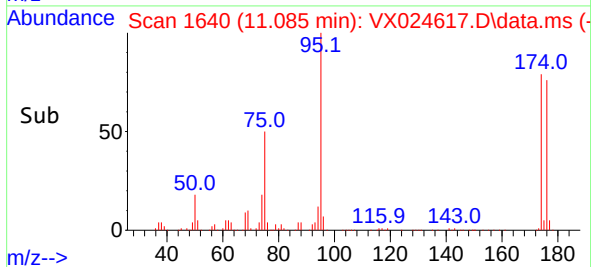
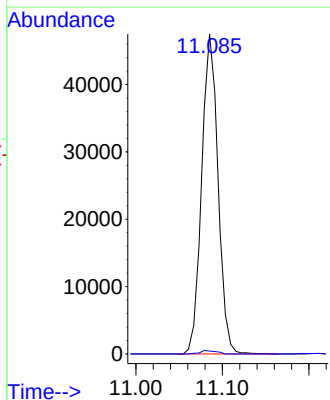
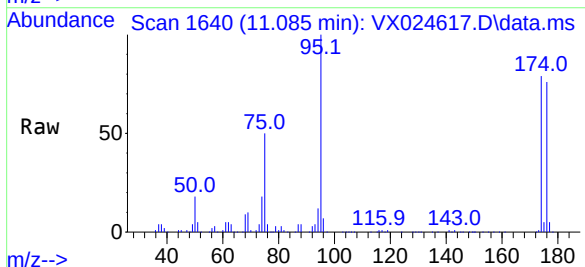
Instrument :
MSVOA_X
ClientSampleId :

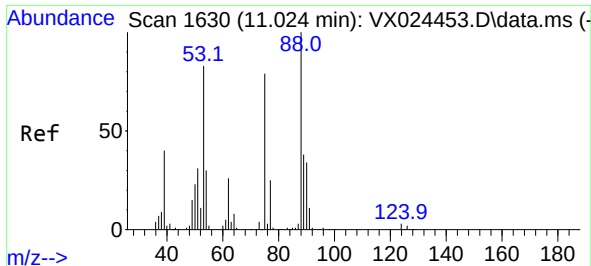
Tgt Ion:152 Resp: 121332
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 158.4 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 22.584 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024617.D
Acq: 06 Oct 2021 14:23

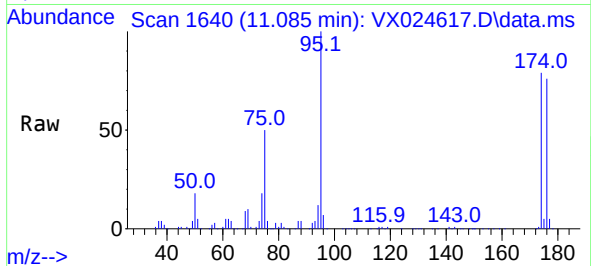
Tgt Ion: 75 Resp: 62227
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.772 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024617.D
 Acq: 06 Oct 2021 14:23

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 62227

Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.5	111.7#
89	0.1	37.9	56.9#

