

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025299.D
 Acq On : 24 Nov 2021 01:11
 Operator : JC/MD
 Sample : M4758-09
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP5

Quant Time: Nov 24 03:18:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

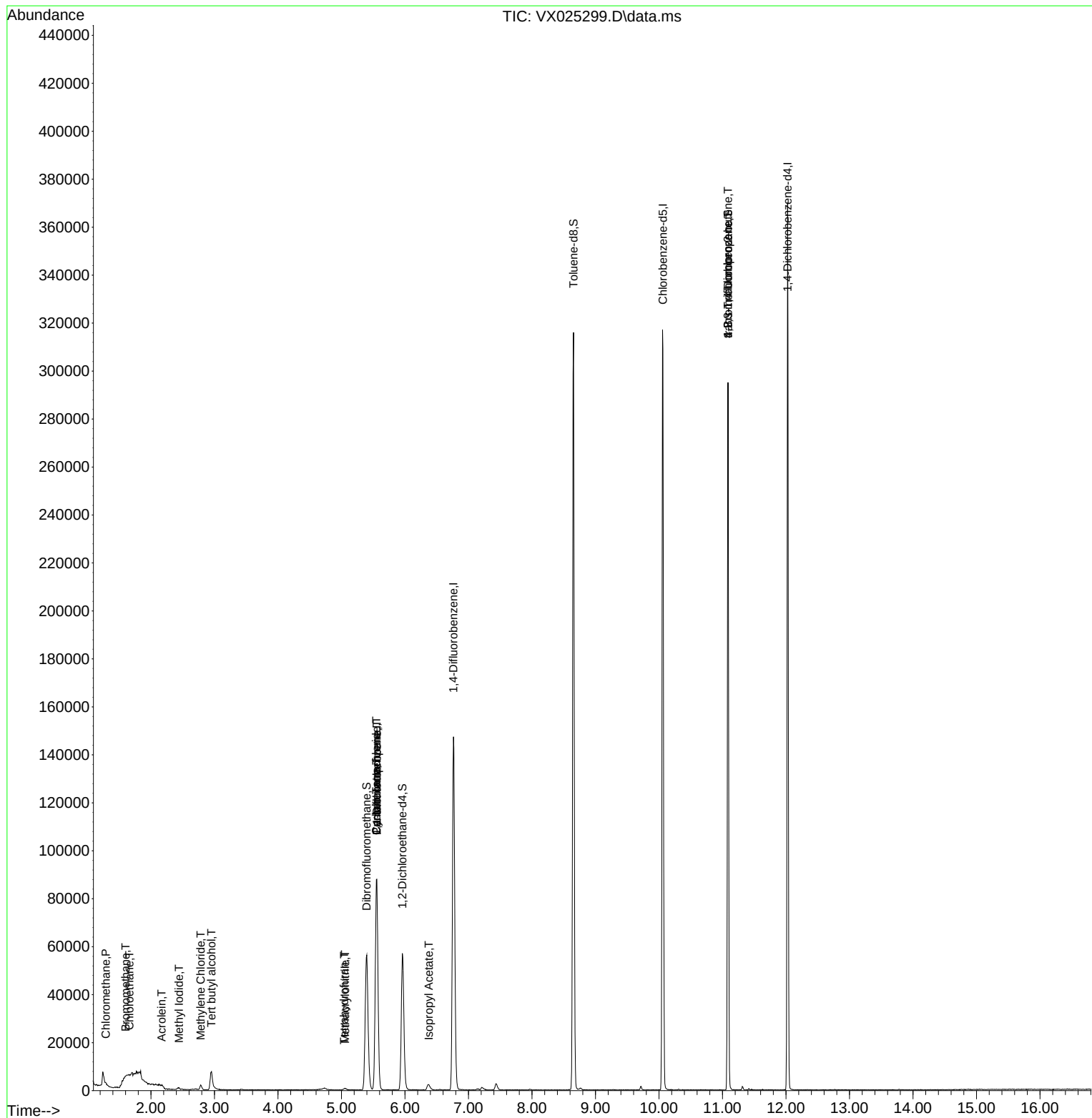
Internal Standards						
1) Pentafluorobenzene	5.556	168	95425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170809	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	166068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	56110	55.784	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 111.560%		
35) Dibromofluoromethane	5.397	113	53821	51.355	ug/l	0.01
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.700%		
50) Toluene-d8	8.653	98	201401	51.111	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 102.220%		
62) 4-Bromofluorobenzene	11.085	95	77080	51.707	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 103.420%		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	274	0.268	ug/l	96
5) Bromomethane	1.599	94	312	0.645	ug/l	88
6) Chloroethane	1.660	64	244	0.314	ug/l #	43
10) Methyl Iodide	2.441	142	613	0.552	ug/l #	84
11) Tert butyl alcohol	2.953	59	5309	12.856	ug/l #	72
13) Acrolein	2.166	56	20	0.434	ug/l #	1
20) Methylene Chloride	2.782	84	1102	1.049	ug/l	84
29) Tetrahydrofuran	5.044	42	295	0.590	ug/l #	44
31) Cyclohexane	5.550	56	1661	1.069	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6113	4.102	ug/l #	49
38) Carbon Tetrachloride	5.550	117	8557	5.213	ug/l #	16
41) Methacrylonitrile	5.056	41	319	0.339	ug/l #	23
43) Isopropyl Acetate	6.373	43	1455	0.516	ug/l #	61
76) 1,2,3-Trichloropropane	11.085	75	37437	22.867	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	37437	57.605	ug/l #	9
95) Naphthalene	13.780	128	251	Below Cal	#	69

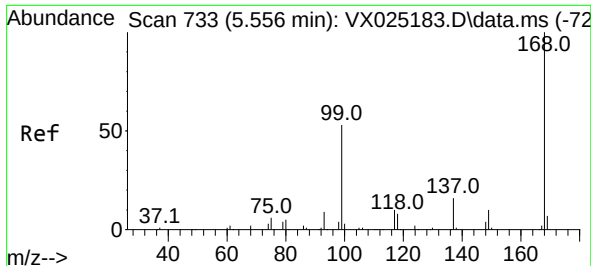
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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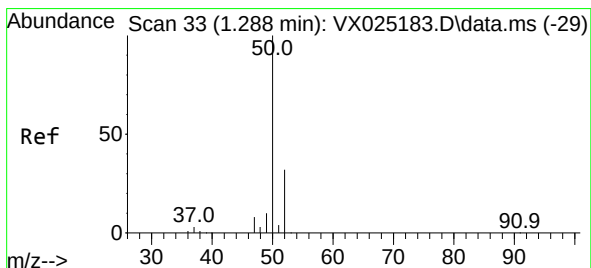
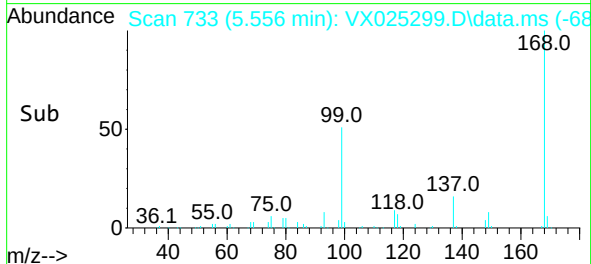
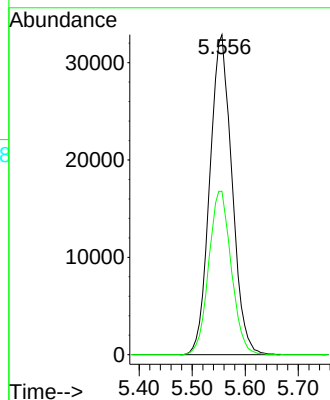
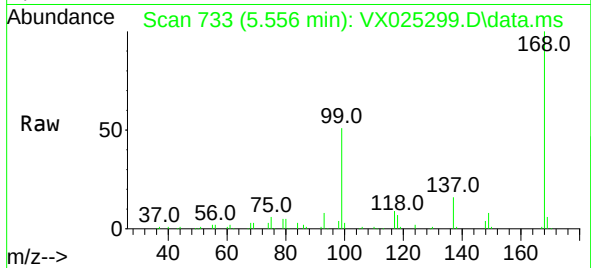




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

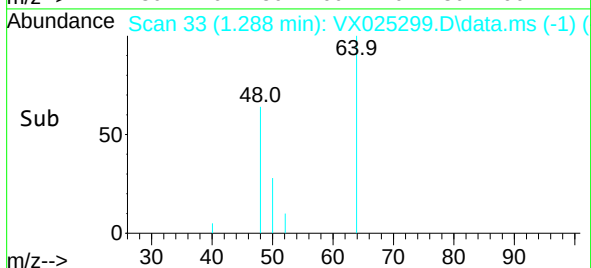
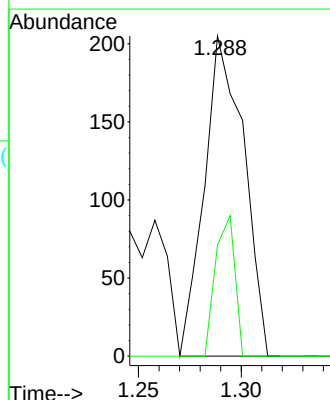
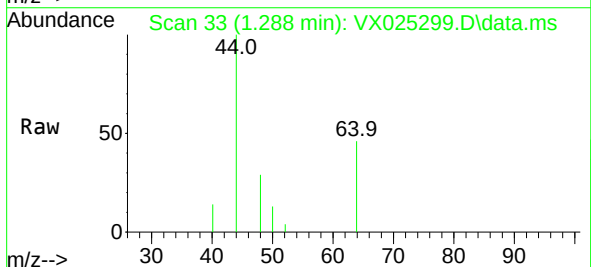
Instrument :
MSVOA_X
ClientSampleId :
TP5

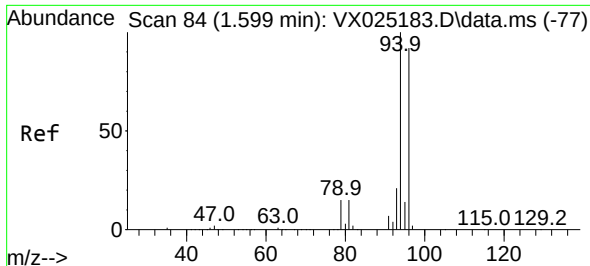
Tgt Ion:168 Resp: 95425
Ion Ratio Lower Upper
168 100
99 51.0 46.4 69.6



#3
Chloromethane
Concen: 0.268 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

Tgt Ion: 50 Resp: 274
Ion Ratio Lower Upper
50 100
52 34.6 25.9 38.9

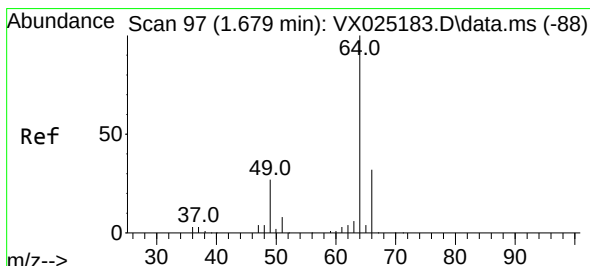
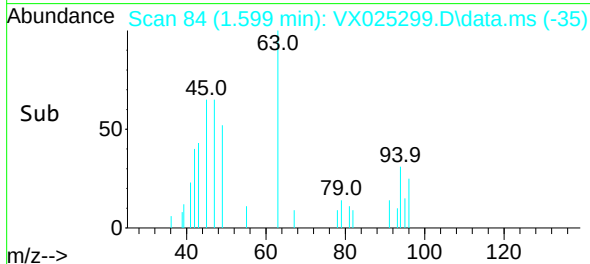
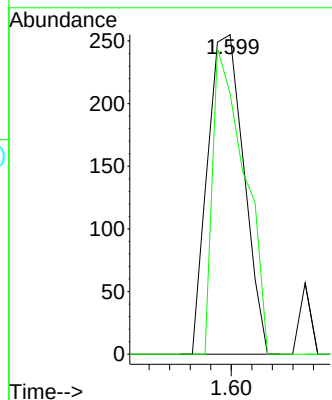
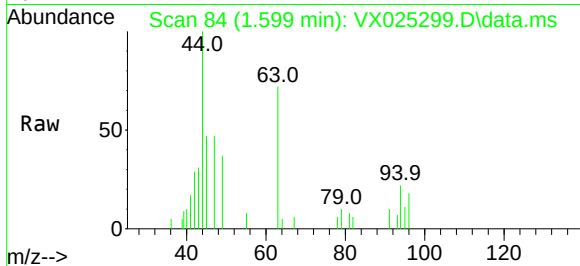




#5
Bromomethane
Concen: 0.645 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

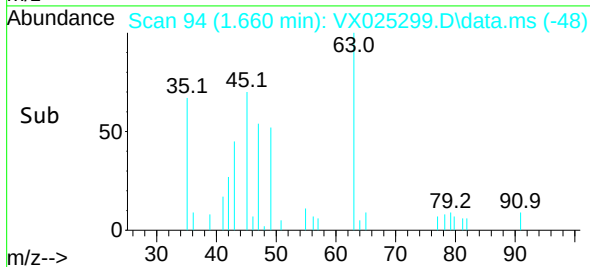
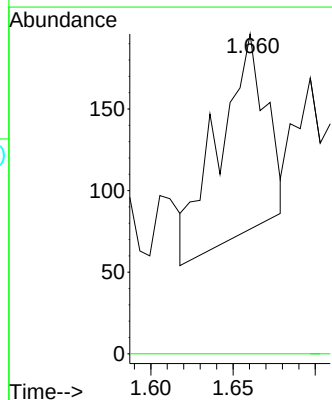
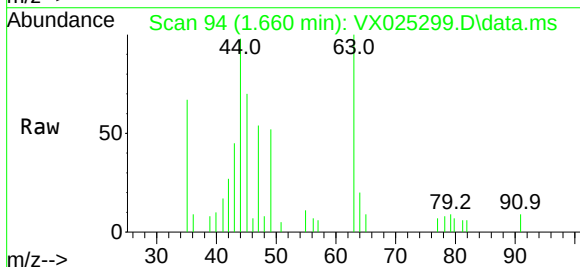
Instrument :
MSVOA_X
ClientSampleId :
TP5

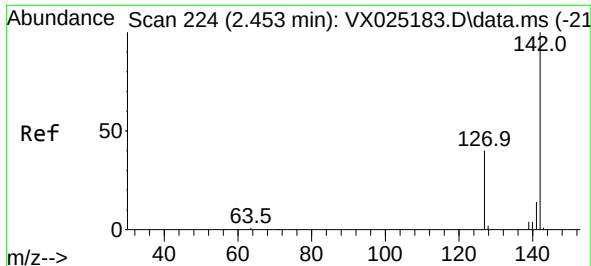
Tgt Ion: 94 Resp: 312
Ion Ratio Lower Upper
94 100
96 81.6 74.8 112.2



#6
Chloroethane
Concen: 0.314 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

Tgt Ion: 64 Resp: 244
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#

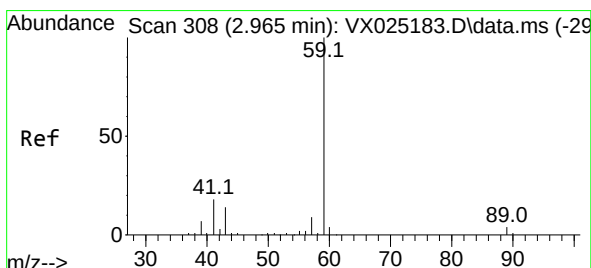
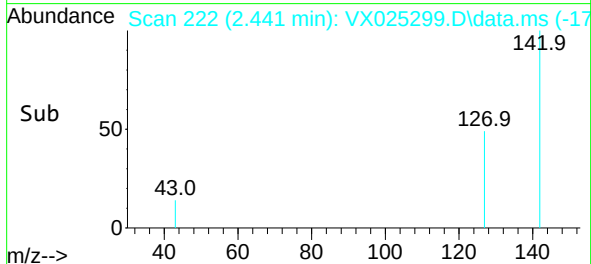
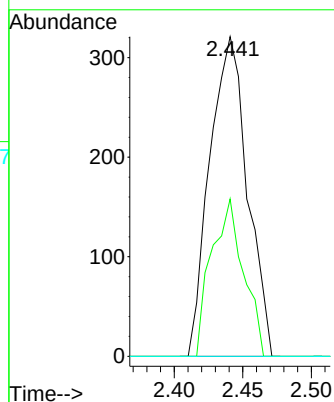
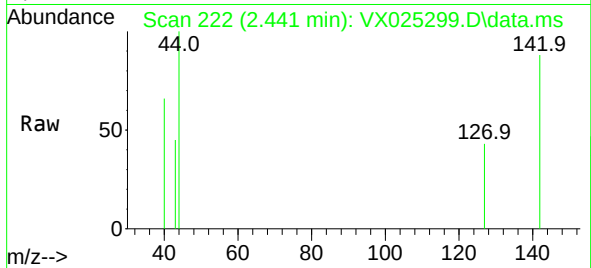




#10
Methyl Iodide
Concen: 0.552 ug/l
RT: 2.441 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

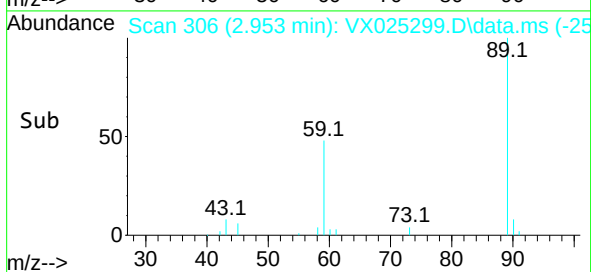
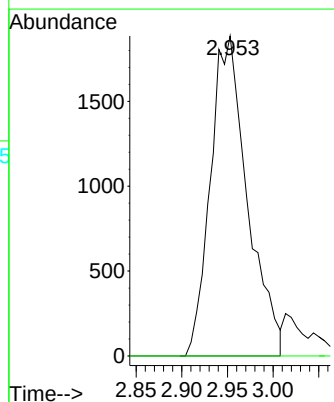
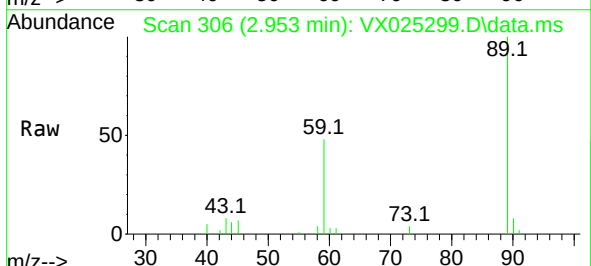
Instrument :
MSVOA_X
ClientSampleId :
TP5

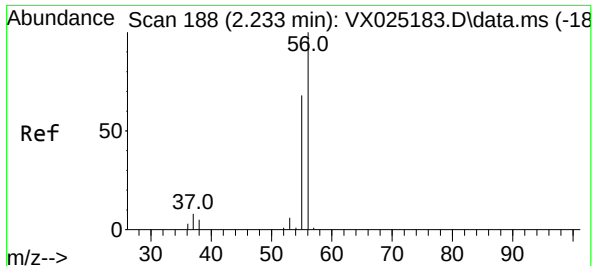
Tgt Ion:142 Resp: 613
Ion Ratio Lower Upper
142 100
127 42.1 38.9 58.3
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 12.856 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

Tgt Ion: 59 Resp: 5309
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.434 ug/l

RT: 2.166 min Scan# 1

Delta R.T. -0.067 min

Lab File: VX025299.D

Acq: 24 Nov 2021 01:11

Instrument :

MSVOA_X

ClientSampleId :

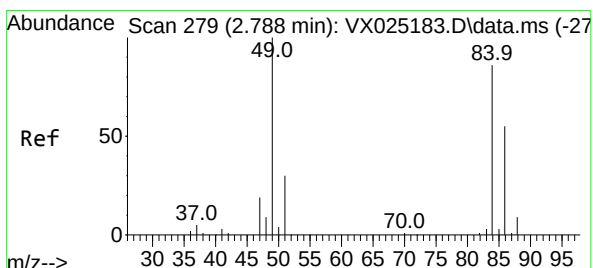
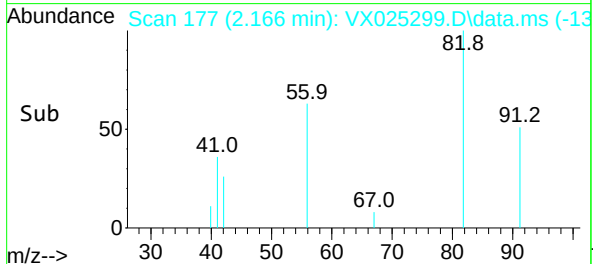
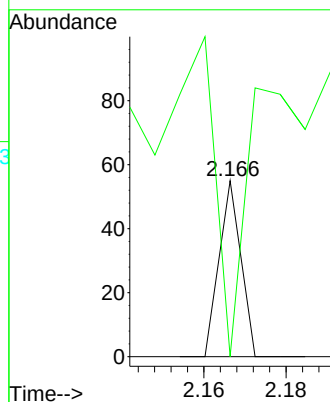
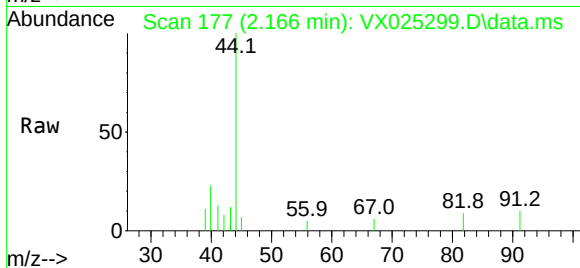
TP5

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 435.0 58.6 87.8#



#20

Methylene Chloride

Concen: 1.049 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX025299.D

Acq: 24 Nov 2021 01:11

Tgt Ion: 84 Resp: 1102

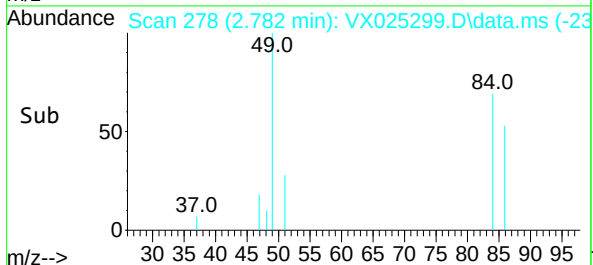
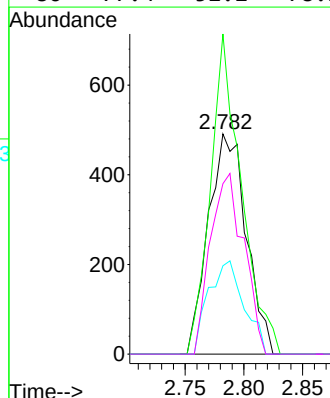
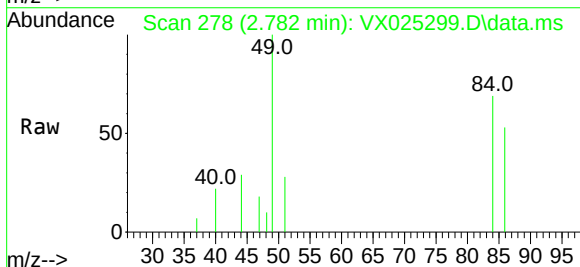
Ion Ratio Lower Upper

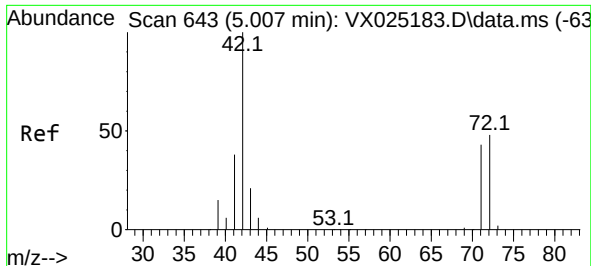
84 100

49 145.4 98.2 147.2

51 40.1 30.2 45.4

86 77.4 52.2 78.2





#29

Tetrahydrofuran

Concen: 0.590 ug/l

RT: 5.044 min Scan# 643

Delta R.T. 0.037 min

Lab File: VX025299.D

Acq: 24 Nov 2021 01:11

Instrument :

MSVOA_X

ClientSampleId :

TP5

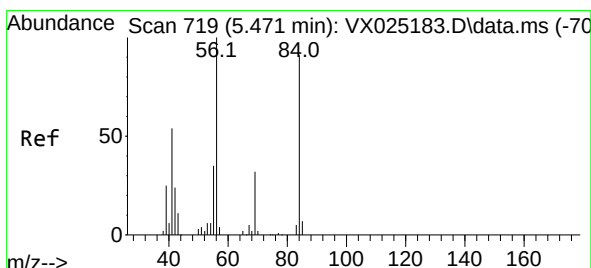
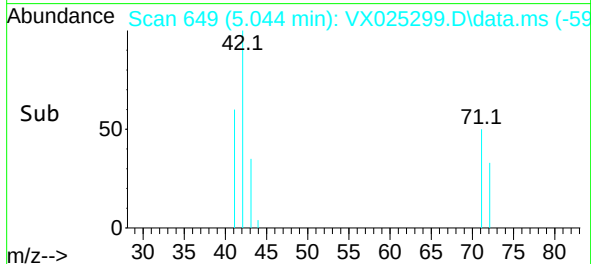
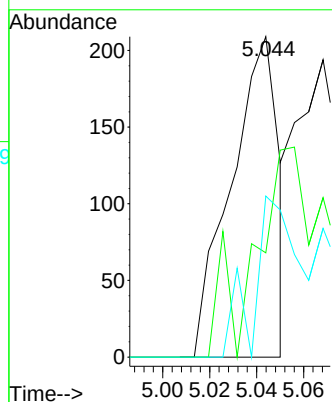
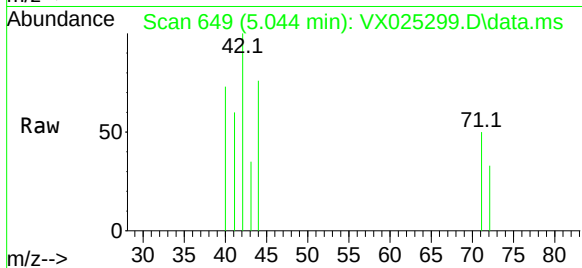
Tgt Ion: 42 Resp: 295

Ion Ratio Lower Upper

42 100

72 93.2 36.1 54.1#

71 65.1 33.7 50.5#



#31

Cyclohexane

Concen: 1.069 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX025299.D

Acq: 24 Nov 2021 01:11

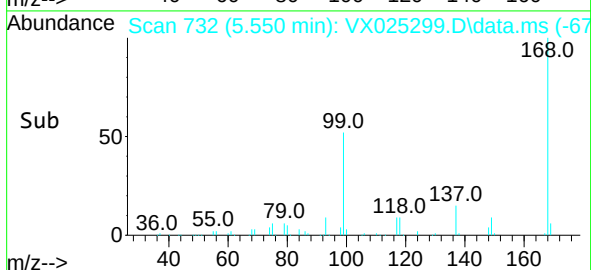
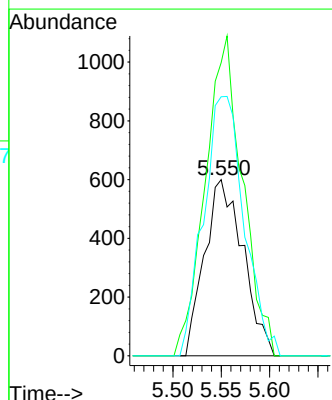
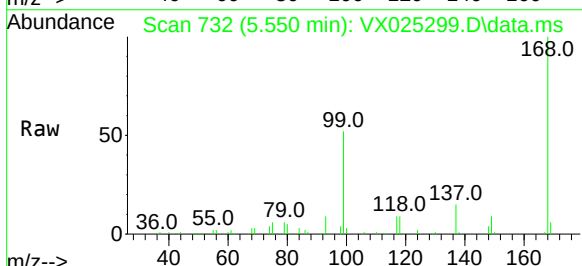
Tgt Ion: 56 Resp: 1661

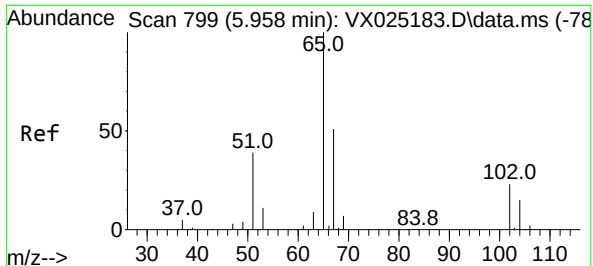
Ion Ratio Lower Upper

56 100

69 166.3 24.2 36.2#

84 147.0 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 55.784 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025299.D

Acq: 24 Nov 2021 01:11

Instrument :

MSVOA_X

ClientSampleId :

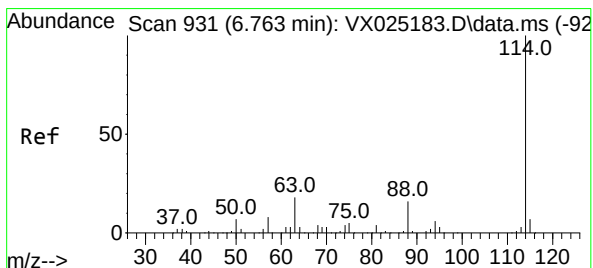
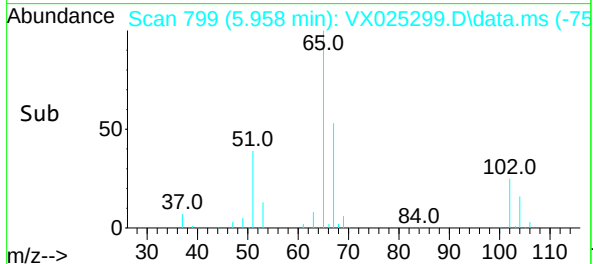
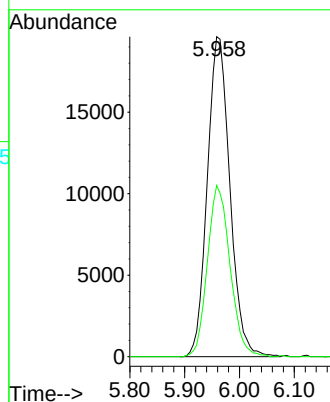
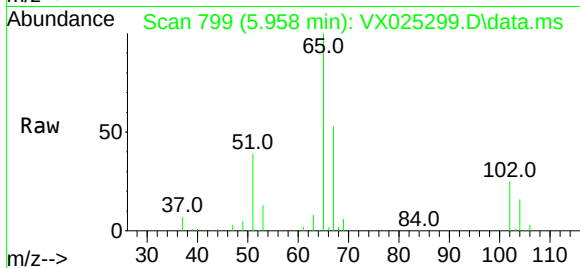
TP5

Tgt Ion: 65 Resp: 56110

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX025299.D

Acq: 24 Nov 2021 01:11

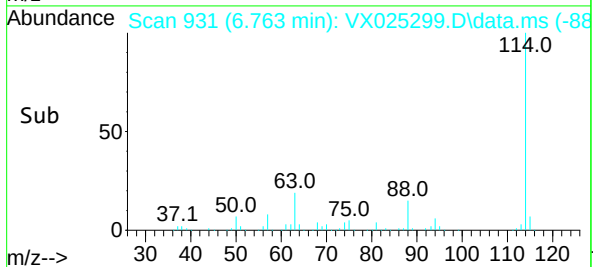
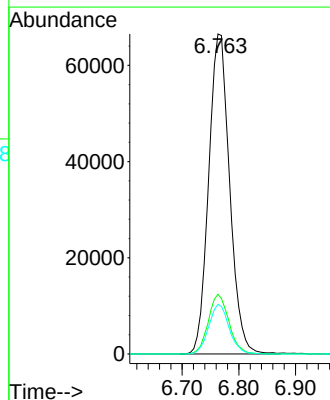
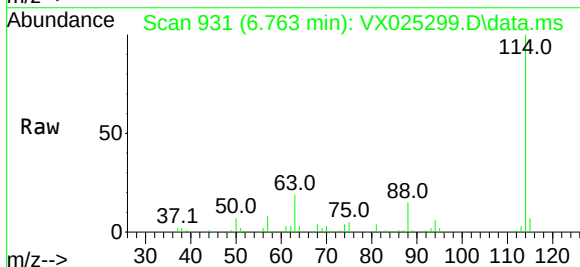
Tgt Ion: 114 Resp: 170809

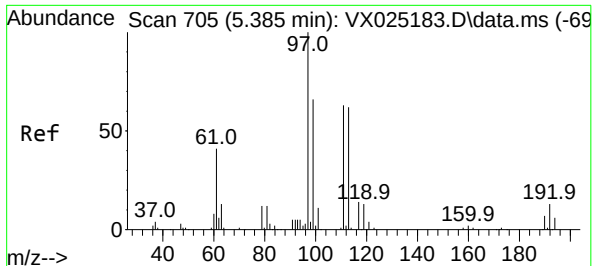
Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.0

88 15.5 0.0 34.8





#35

Dibromofluoromethane

Concen: 51.355 ug/l

RT: 5.397 min Scan# 705

Delta R.T. 0.012 min

Lab File: VX025299.D

Acq: 24 Nov 2021 01:11

Instrument :

MSVOA_X

ClientSampleId :

TP5

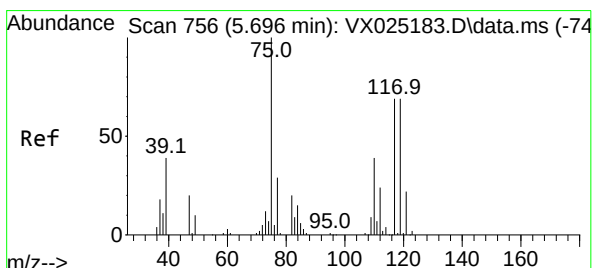
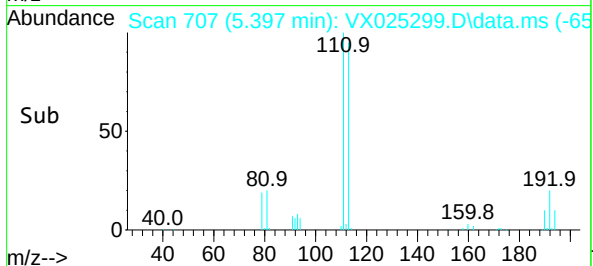
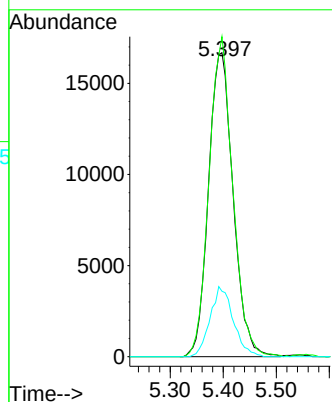
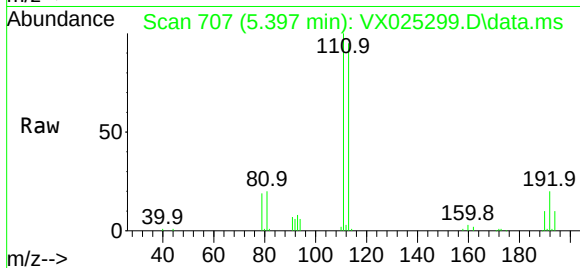
Tgt Ion:113 Resp: 53821

Ion Ratio Lower Upper

113 100

111 101.7 82.1 123.1

192 21.7 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.102 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025299.D

Acq: 24 Nov 2021 01:11

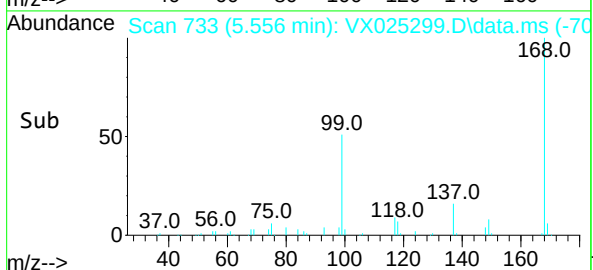
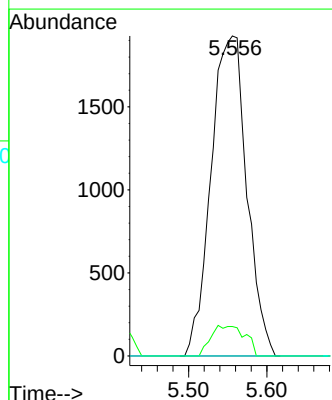
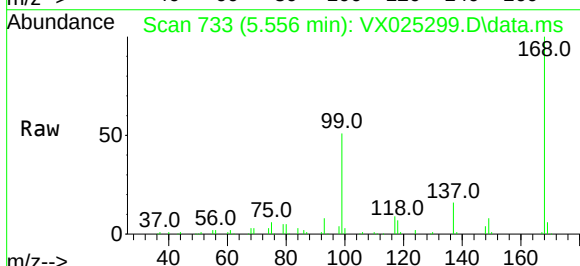
Tgt Ion: 75 Resp: 6113

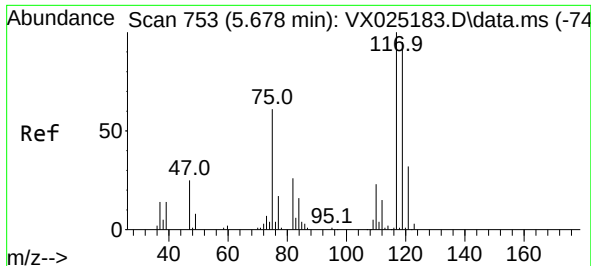
Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

77 0.0 24.4 36.6#

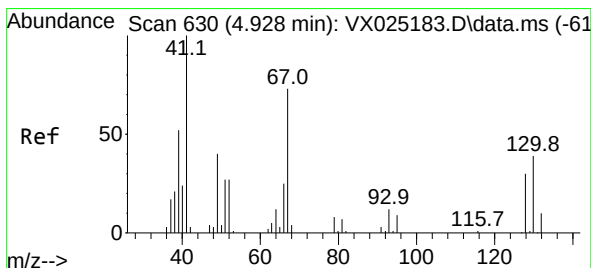
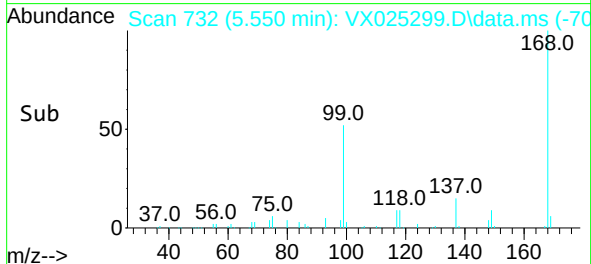
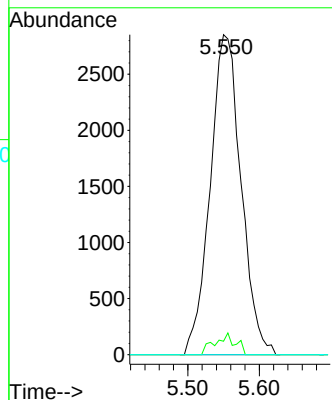
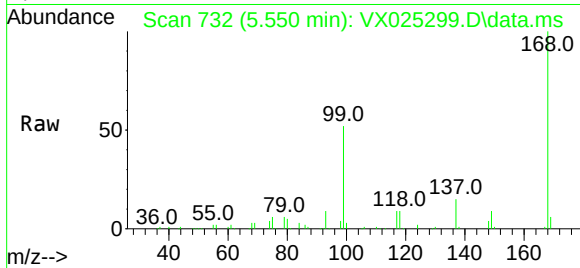




#38
Carbon Tetrachloride
Concen: 5.213 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

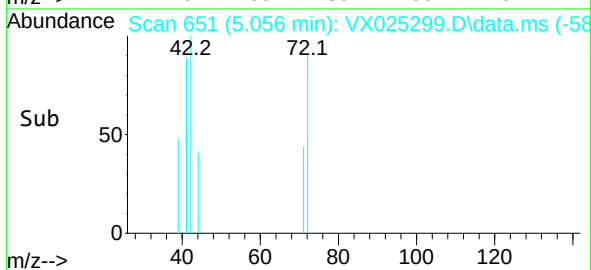
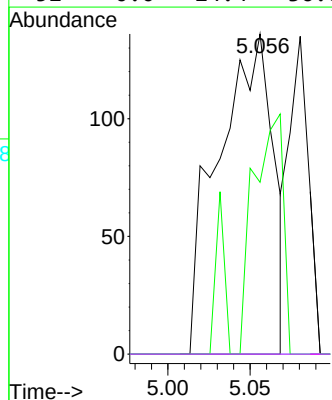
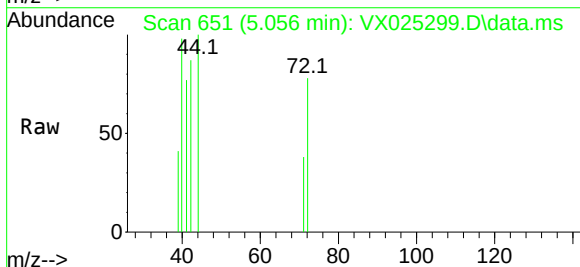
Instrument :
MSVOA_X
ClientSampleId :
TP5

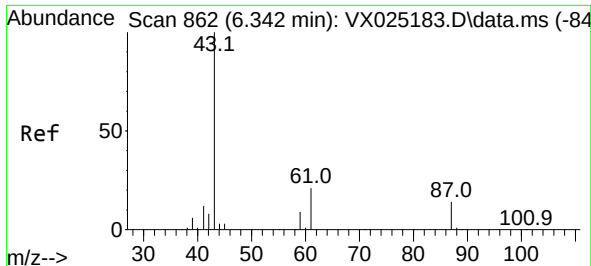
Tgt Ion:117 Resp: 8557
Ion Ratio Lower Upper
117 100
119 4.2 75.6 113.4#
121 0.0 23.7 35.5#



#41
Methacrylonitrile
Concen: 0.339 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.128 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

Tgt Ion: 41 Resp: 319
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 56.7 85.1#
52 0.0 24.4 36.6#

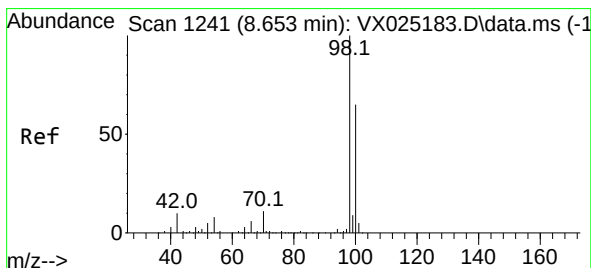
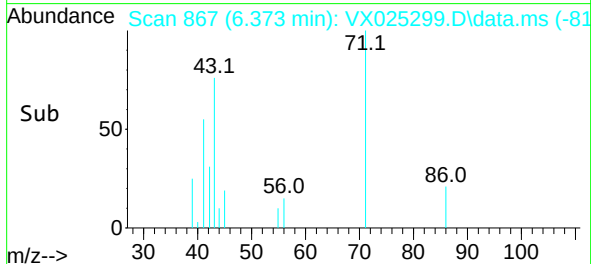
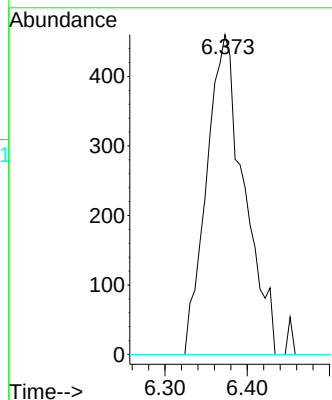
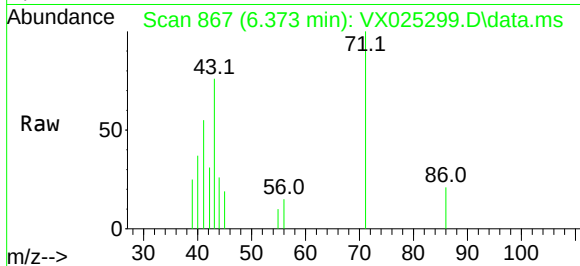




#43
Isopropyl Acetate
Concen: 0.516 ug/l
RT: 6.373 min Scan# 867
Delta R.T. 0.031 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

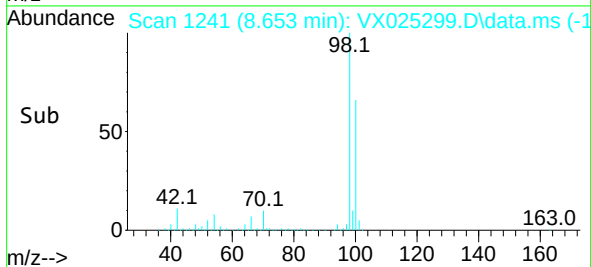
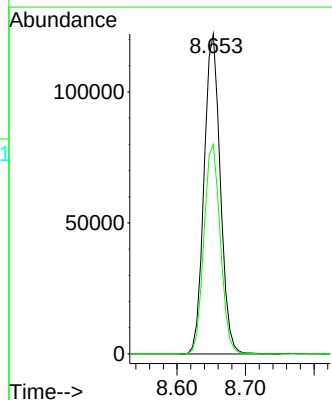
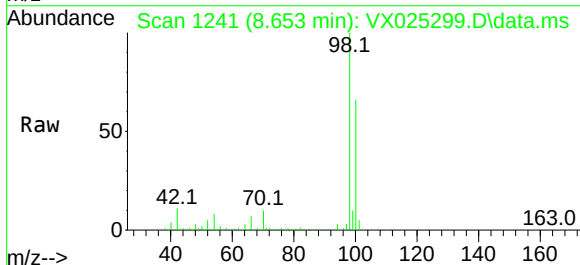
Instrument :
MSVOA_X
ClientSampleId :
TP5

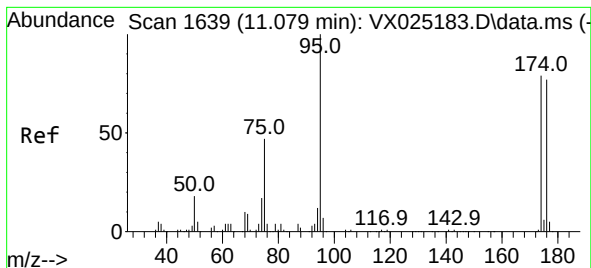
Tgt Ion: 43 Resp: 1455
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.9 16.3#



#50
Toluene-d8
Concen: 51.111 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

Tgt Ion: 98 Resp: 201401
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.0

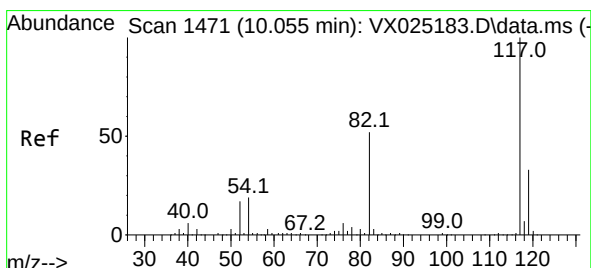
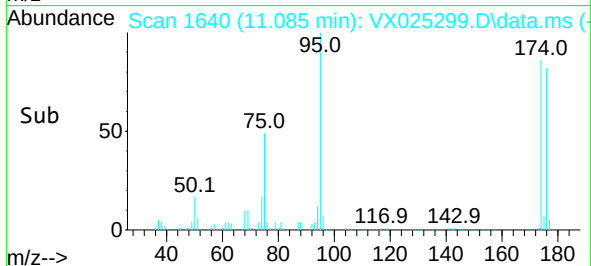
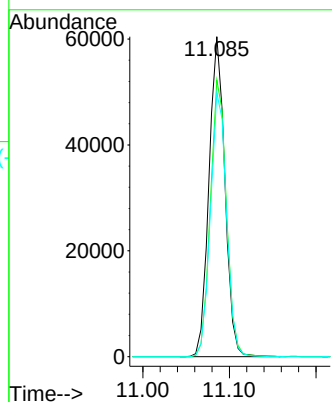
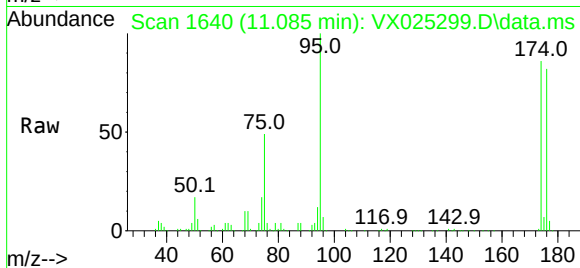




#62
4-Bromofluorobenzene
Concen: 51.707 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

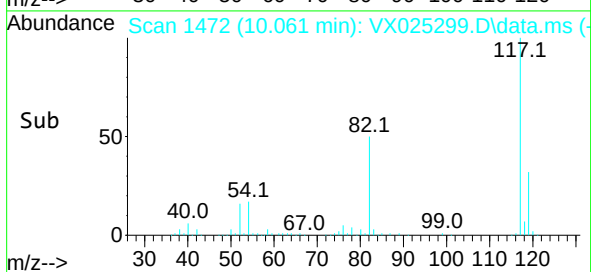
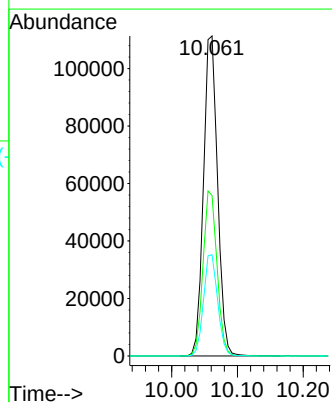
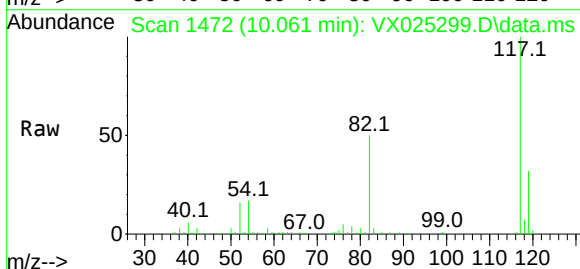
Instrument :
MSVOA_X
ClientSampleId :
TP5

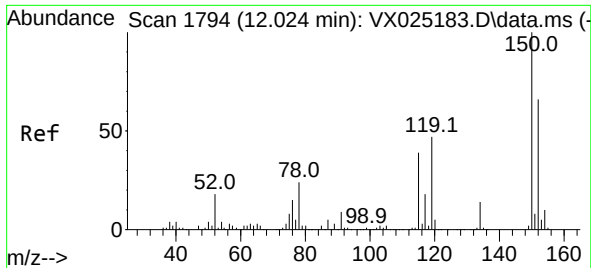
Tgt Ion: 95 Resp: 77080
Ion Ratio Lower Upper
95 100
174 87.2 0.0 158.0
176 83.3 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

Tgt Ion: 117 Resp: 166068
Ion Ratio Lower Upper
117 100
82 50.2 44.6 67.0
119 31.7 24.8 37.2

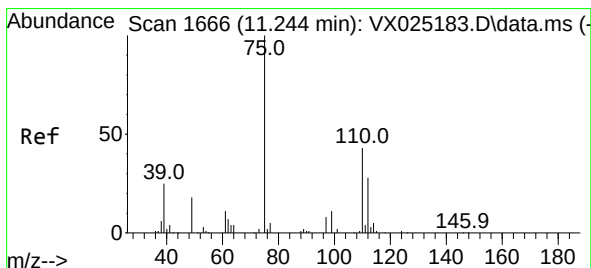
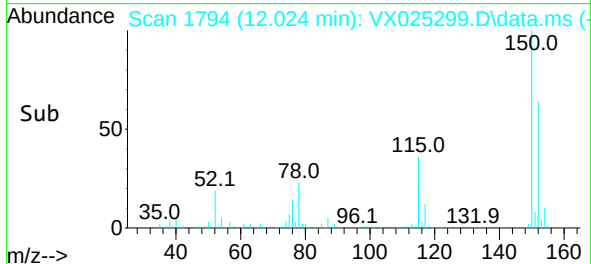
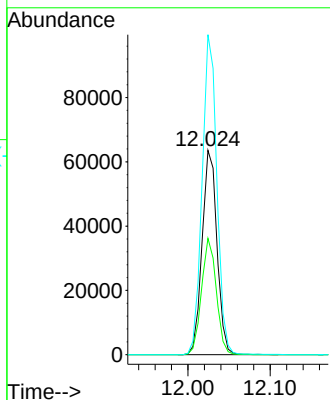
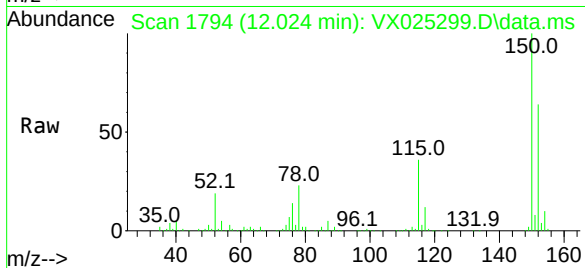




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025299.D
 Acq: 24 Nov 2021 01:11

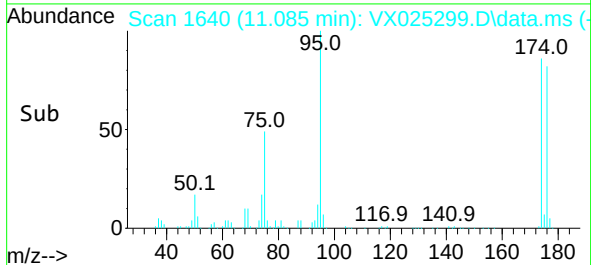
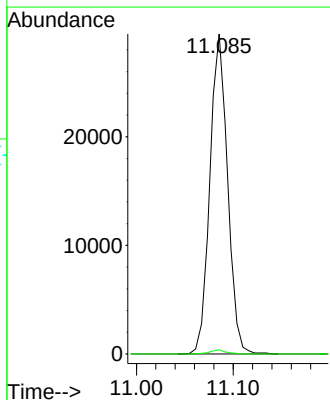
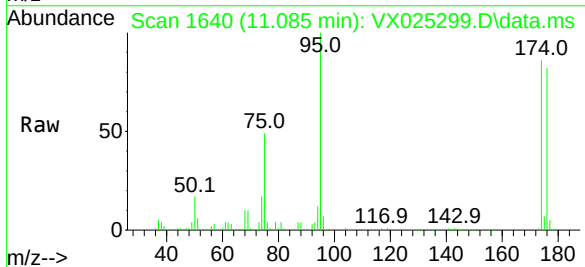
Instrument :
 MSVOA_X
 ClientSampleId :
 TP5

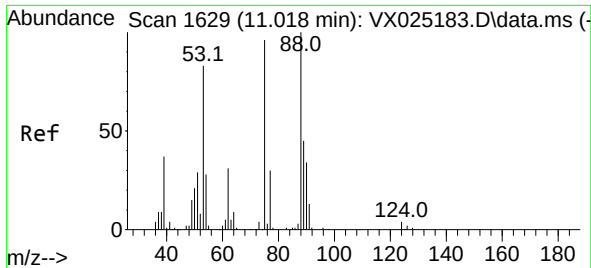
Tgt Ion:152 Resp: 79949
 Ion Ratio Lower Upper
 152 100
 115 56.5 43.3 129.8
 150 154.9 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 22.867 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX025299.D
 Acq: 24 Nov 2021 01:11

Tgt Ion: 75 Resp: 37437
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.0 59.9#

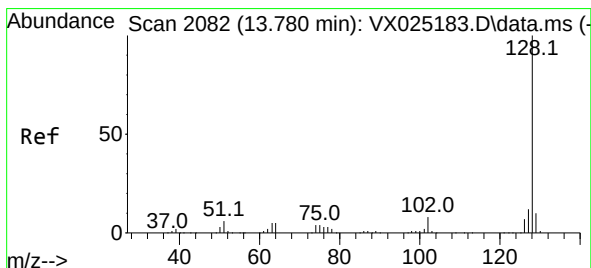
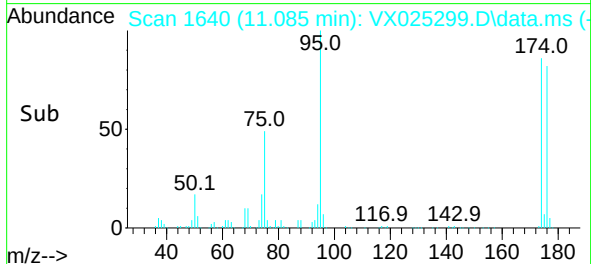
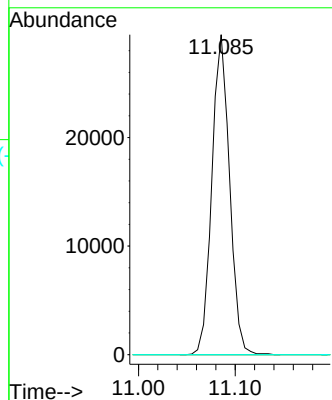
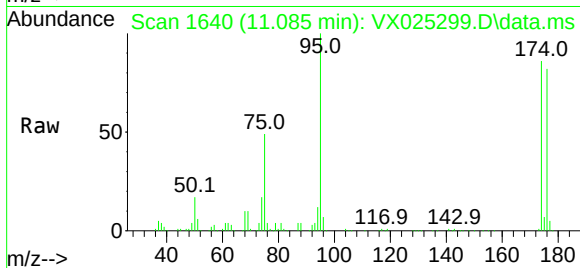




#81
trans-1,4-Dichloro-2-butene
Concen: 57.605 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

Instrument :
MSVOA_X
ClientSampleId :
TP5

Tgt Ion: 75 Resp: 37437
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025299.D
Acq: 24 Nov 2021 01:11

Tgt Ion:128 Resp: 251
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

