

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120321\
 Data File : VX025476.D
 Acq On : 03 Dec 2021 12:48
 Operator : JC/MD
 Sample : M4918-03DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 04 06:48:22 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)

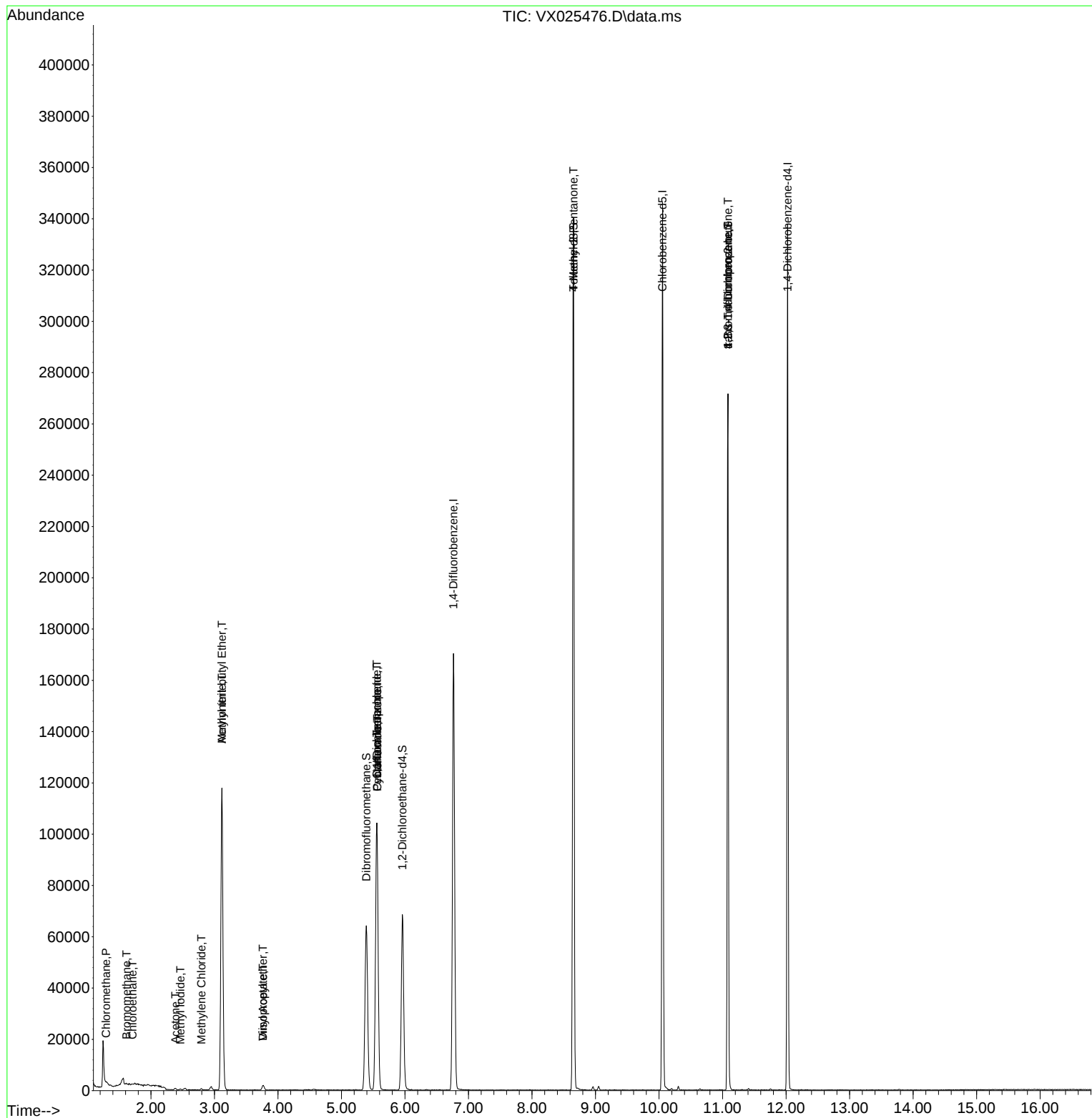
Internal Standards						
1) Pentafluorobenzene	5.562	168	107267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	181658	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63128	55.833	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.660%
35) Dibromofluoromethane	5.391	113	56527	50.715	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.440%
50) Toluene-d8	8.653	98	209413	49.971	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.940%
62) 4-Bromofluorobenzene	11.085	95	71978	45.401	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	281	0.244	ug/l #	42
5) Bromomethane	1.617	94	216	0.397	ug/l	91
6) Chloroethane	1.709	64	217	0.249	ug/l #	43
10) Methyl Iodide	2.465	142	285	0.228	ug/l #	89
11) Tert butyl alcohol	2.940	59	945	Below Cal	#	72
15) Acrylonitrile	3.117	53	1291	2.128	ug/l #	23
16) Acetone	2.386	43	762	1.213	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	133896	38.653	ug/l	99
20) Methylene Chloride	2.794	84	259	0.219	ug/l #	76
22) Diisopropyl ether	3.763	45	2040	0.595	ug/l #	91
23) Vinyl Acetate	3.763	43	1030	0.374	ug/l #	72
31) Cyclohexane	5.562	56	1985	1.136	ug/l #	20
36) 1,1-Dichloropropene	5.556	75	7227	4.560	ug/l #	50
38) Carbon Tetrachloride	5.556	117	10076	5.772	ug/l #	17
51) 4-Methyl-2-Pentanone	8.653	43	885	0.470	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	35381	24.278	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	35381	61.159	ug/l #	9
95) Naphthalene	13.780	128	320	Below Cal	#	69

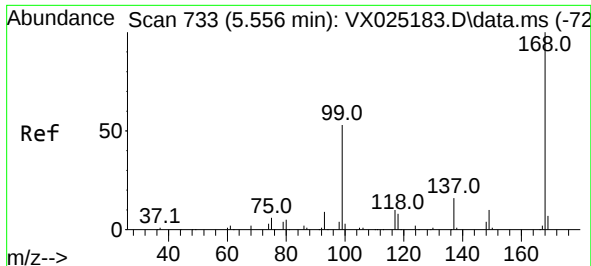
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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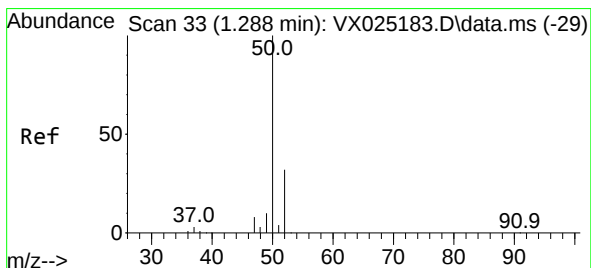
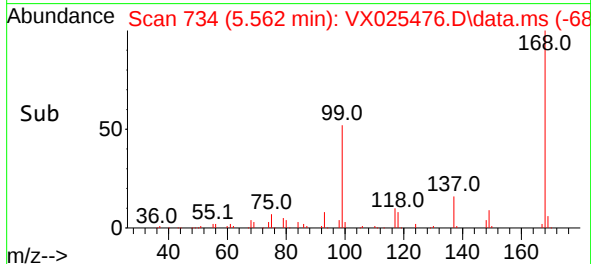
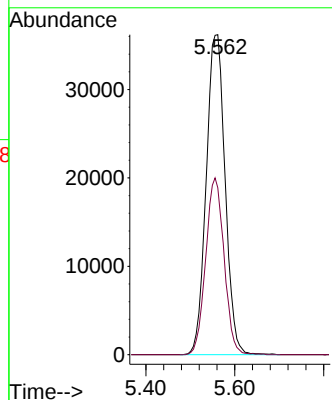
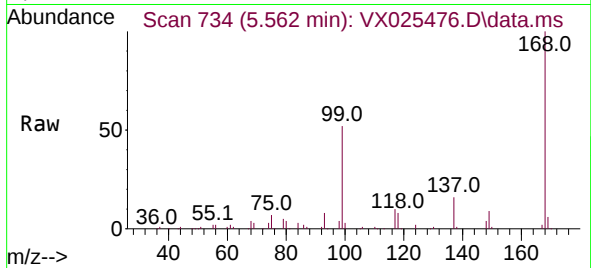




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

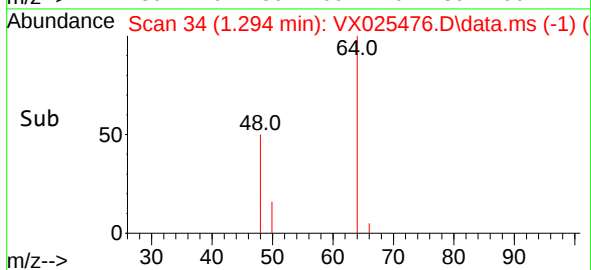
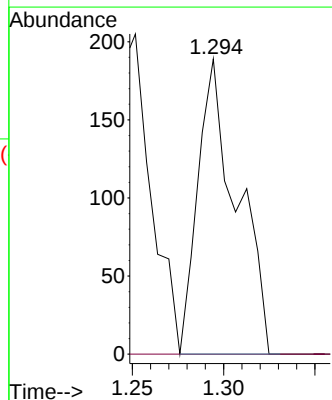
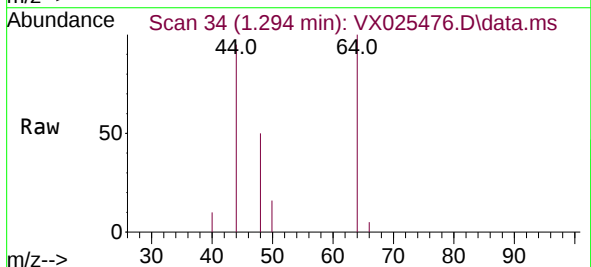
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 107267
Ion Ratio Lower Upper
168 100
99 52.2 46.4 69.6



#3
Chloromethane
Concen: 0.244 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

Tgt Ion: 50 Resp: 281
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

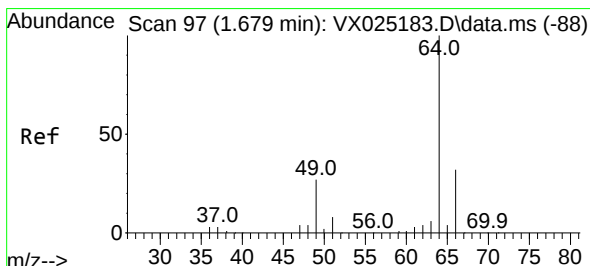
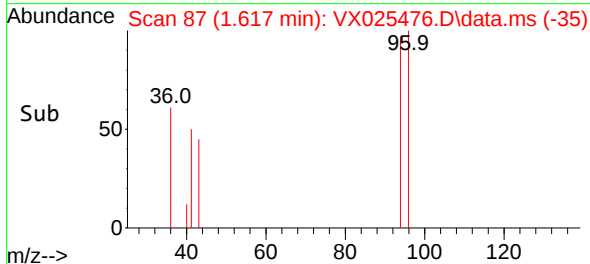
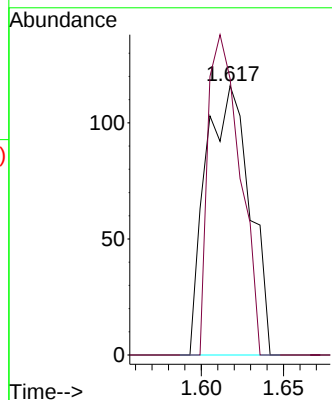
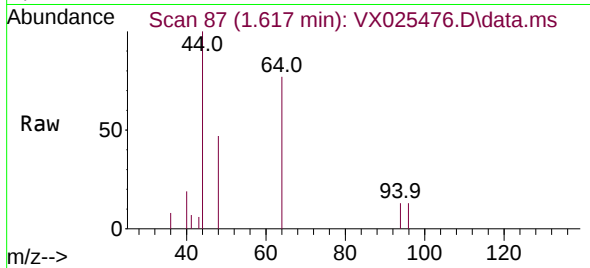




#5
Bromomethane
Concen: 0.397 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

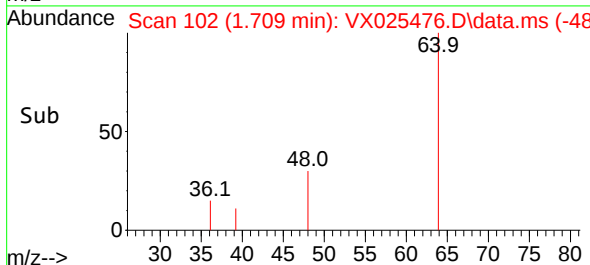
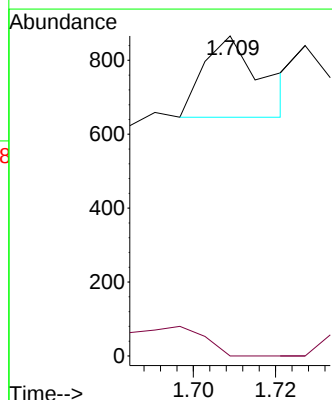
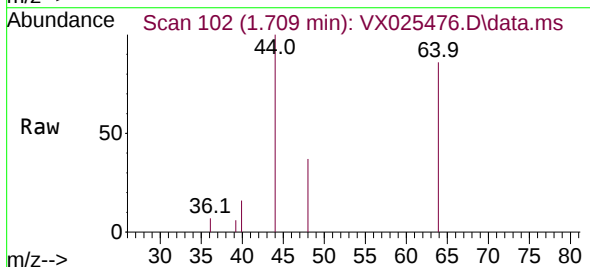
Instrument :
MSVOA_X
ClientSampleId :

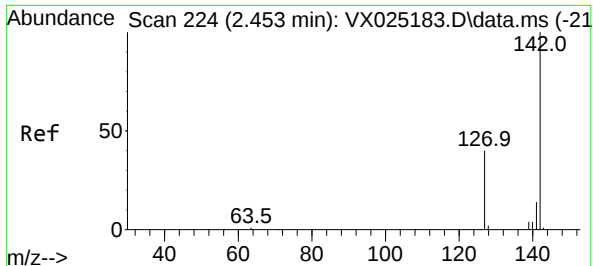
Tgt Ion: 94 Resp: 216
Ion Ratio Lower Upper
94 100
96 102.6 74.8 112.2



#6
Chloroethane
Concen: 0.249 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.030 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

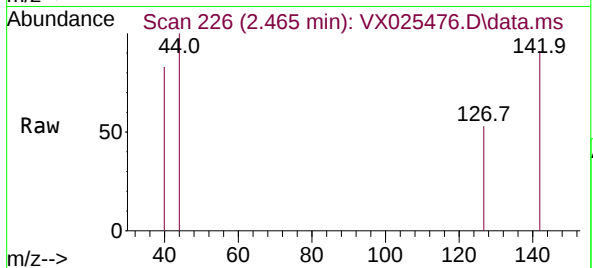
Tgt Ion: 64 Resp: 217
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



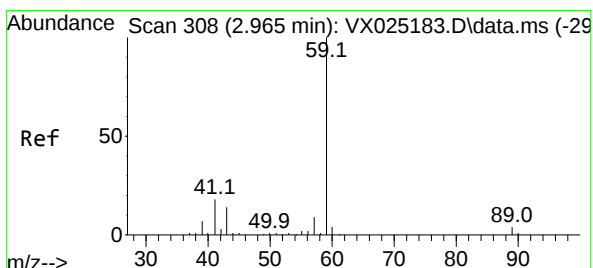
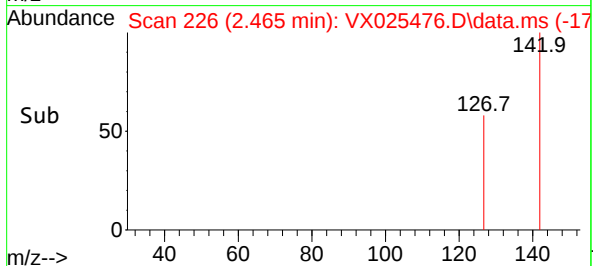
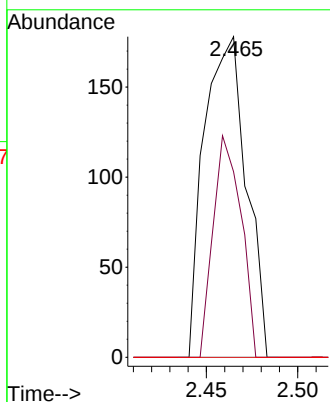


#10
Methyl Iodide
Concen: 0.228 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

Instrument :
MSVOA_X
ClientSampleId :

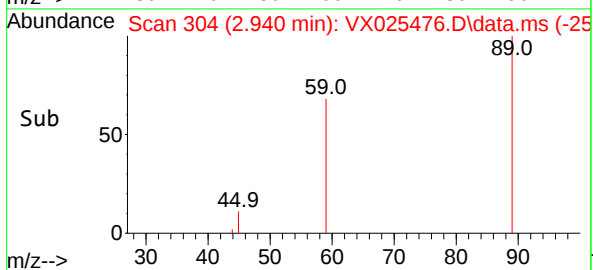
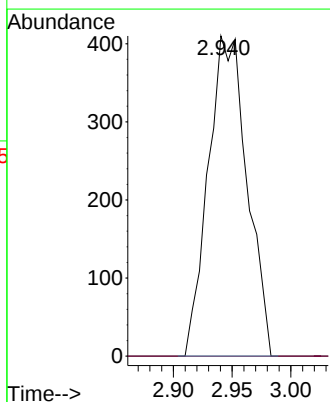
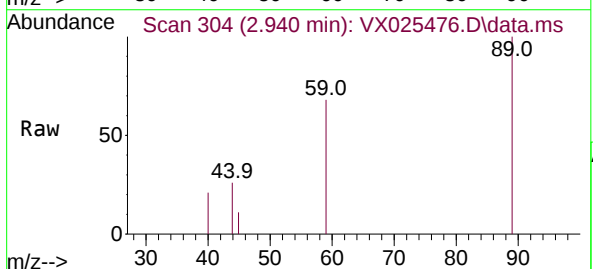


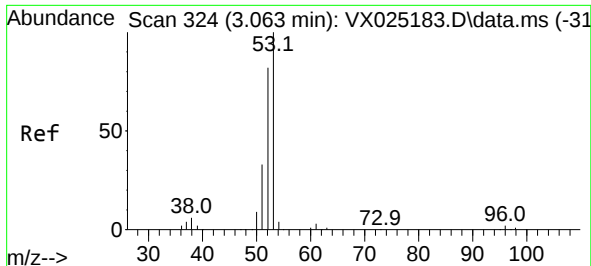
Tgt Ion:142 Resp: 285
Ion Ratio Lower Upper
142 100
127 46.0 38.9 58.3
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

Tgt Ion: 59 Resp: 945
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#15

Acrylonitrile

Concen: 2.128 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.054 min

Lab File: VX025476.D

Acq: 03 Dec 2021 12:48

Instrument :

MSVOA_X

ClientSampleId :

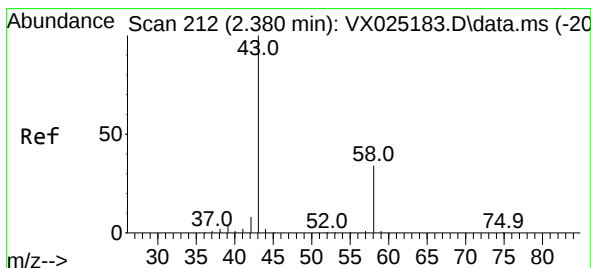
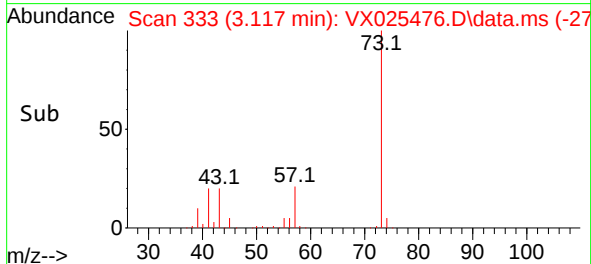
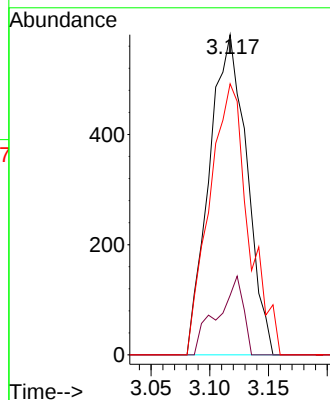
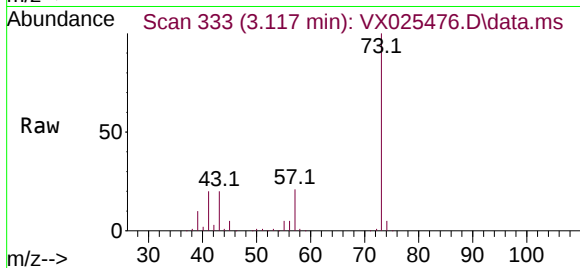
Tgt Ion: 53 Resp: 1291

Ion Ratio Lower Upper

53 100

52 17.0 66.2 99.4#

51 88.2 29.8 44.8#



#16

Acetone

Concen: 1.213 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX025476.D

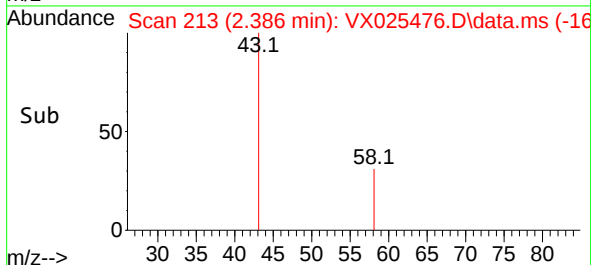
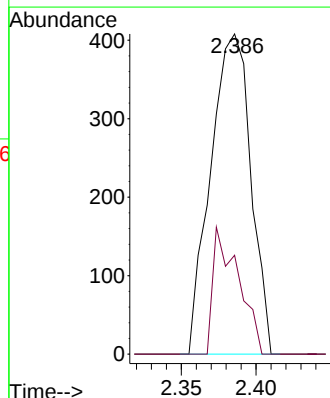
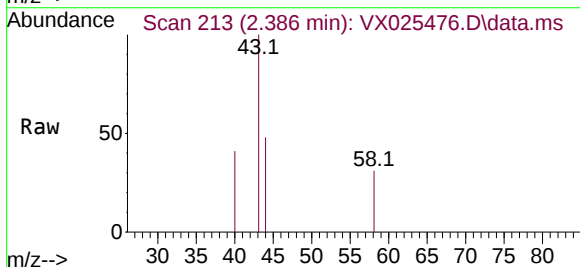
Acq: 03 Dec 2021 12:48

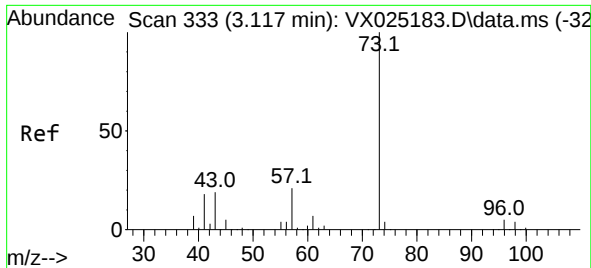
Tgt Ion: 43 Resp: 762

Ion Ratio Lower Upper

43 100

58 30.9 24.0 36.0

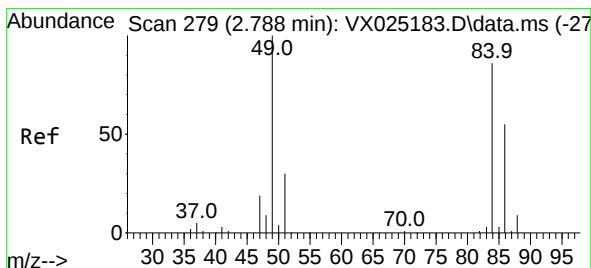
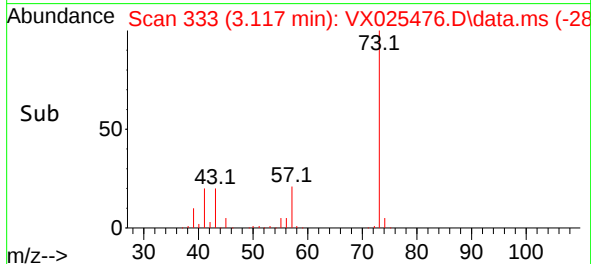
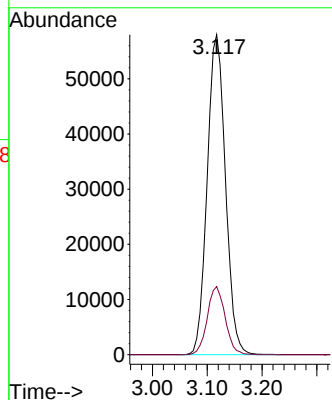
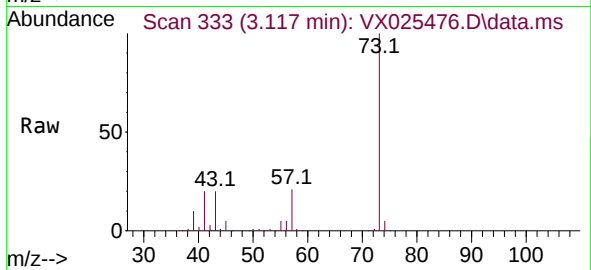




#19
Methyl tert-butyl Ether
Concen: 38.653 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

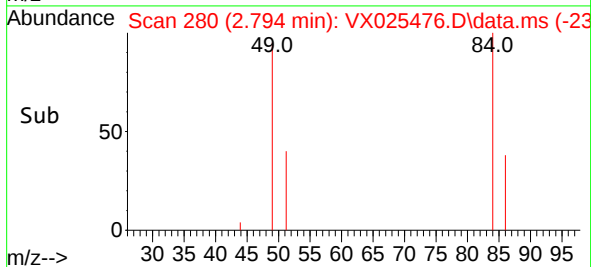
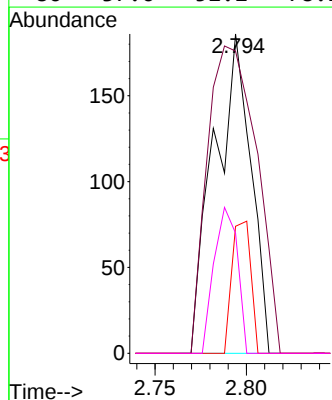
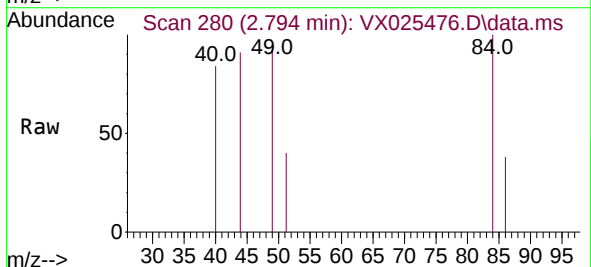
Instrument :
MSVOA_X
ClientSampleId :

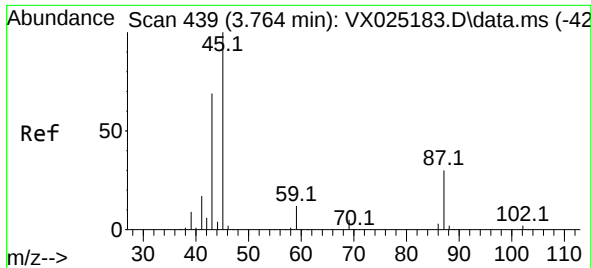
Tgt Ion: 73 Resp: 133896
Ion Ratio Lower Upper
73 100
57 21.3 17.5 26.3



#20
Methylene Chloride
Concen: 0.219 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

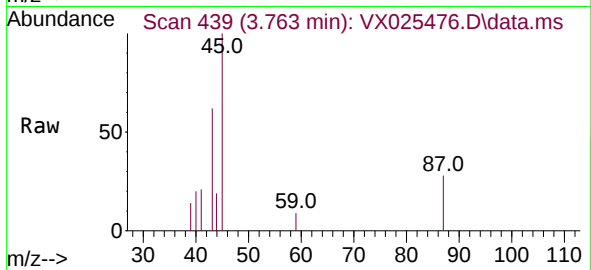
Tgt Ion: 84 Resp: 259
Ion Ratio Lower Upper
84 100
49 94.6 98.2 147.2#
51 39.8 30.2 45.4
86 37.6 52.2 78.2#



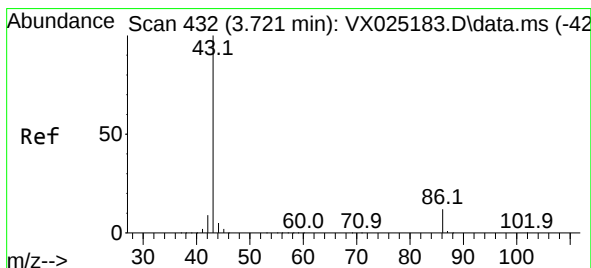
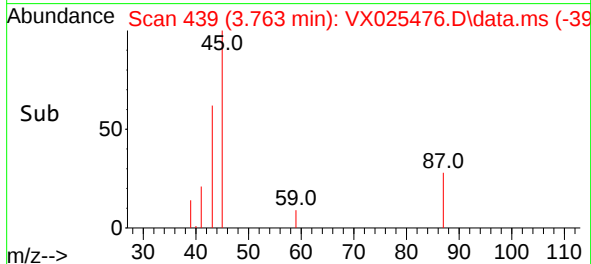
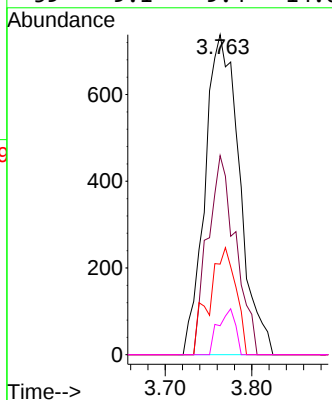


#22
Diisopropyl ether
Concen: 0.595 ug/l
RT: 3.763 min Scan# 41
Delta R.T. -0.001 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

Instrument :
MSVOA_X
ClientSampleId :

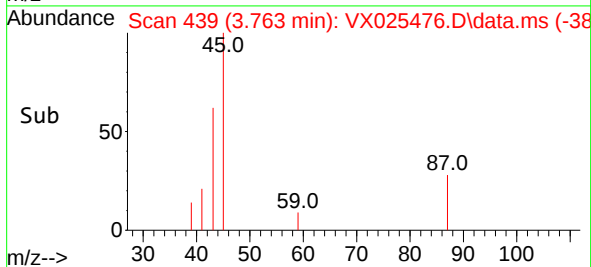
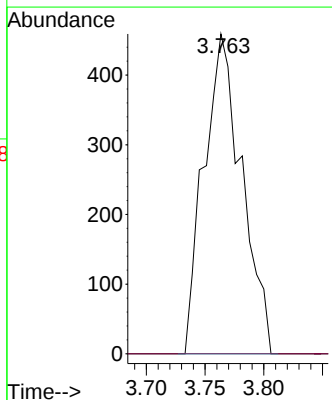
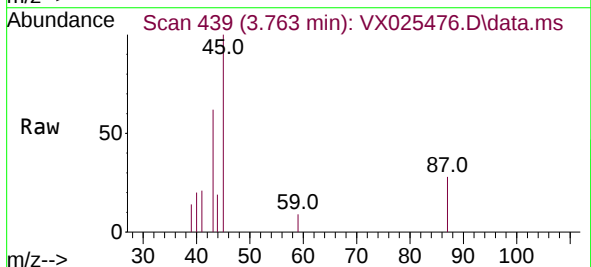


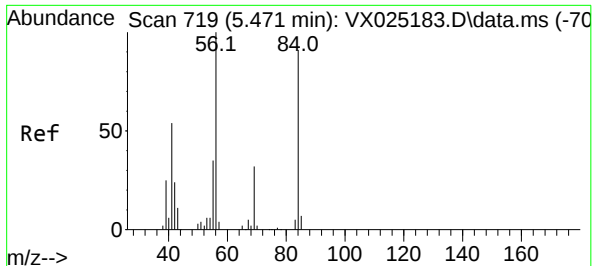
Tgt Ion:	45	Resp:	2040
Ion	Ratio	Lower	Upper
45	100		
43	62.2	58.3	87.5
87	28.3	23.7	35.5
59	9.1	9.4	14.0



#23
Vinyl Acetate
Concen: 0.374 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.042 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

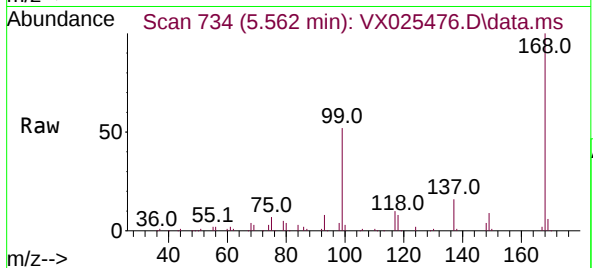
Tgt Ion:	43	Resp:	1030
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4



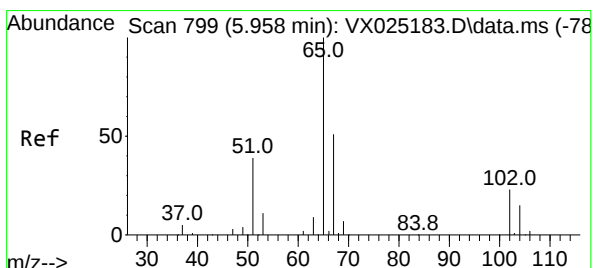
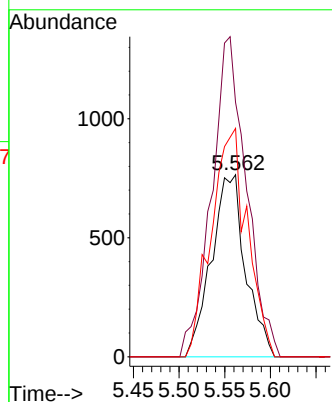
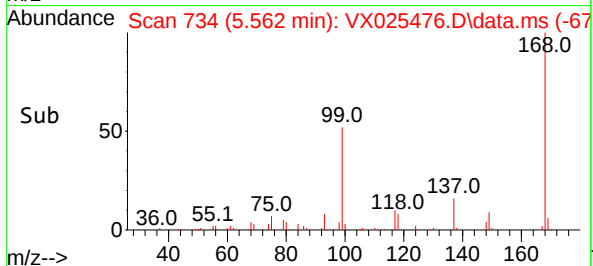


#31
Cyclohexane
Concen: 1.136 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

Instrument :
MSVOA_X
ClientSampleId :

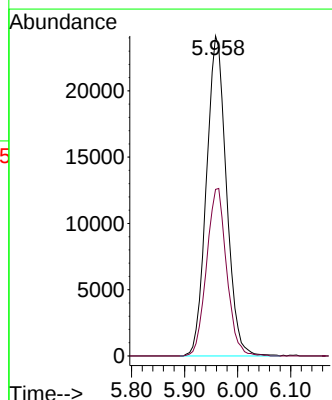
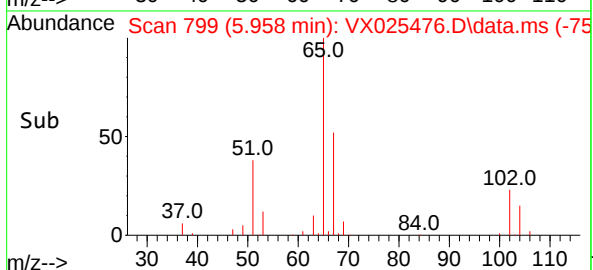
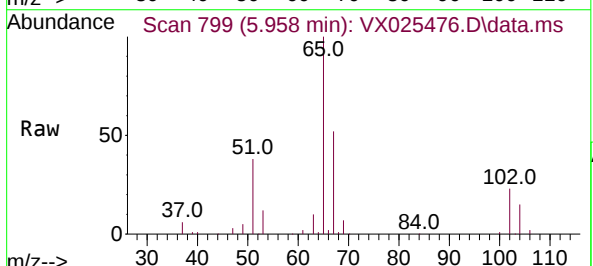


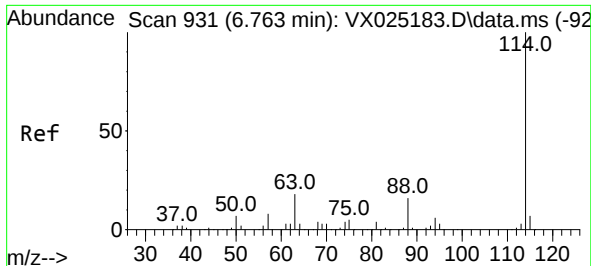
Tgt Ion: 56 Resp: 1985
Ion Ratio Lower Upper
56 100
69 139.7 24.2 36.2#
84 125.5 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 55.833 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

Tgt Ion: 65 Resp: 63128
Ion Ratio Lower Upper
65 100
67 52.7 0.0 101.0

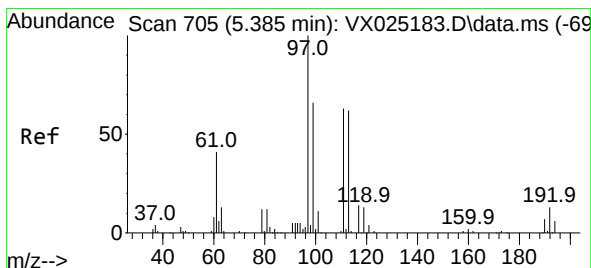
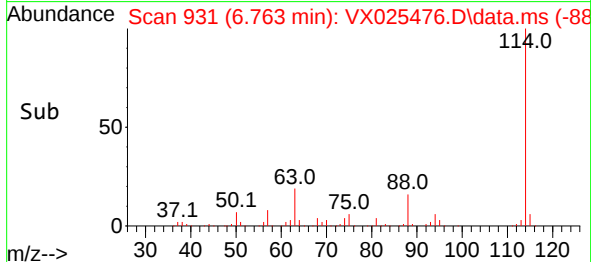
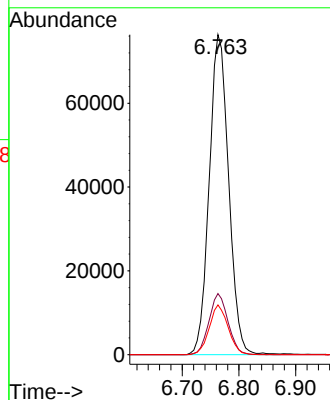
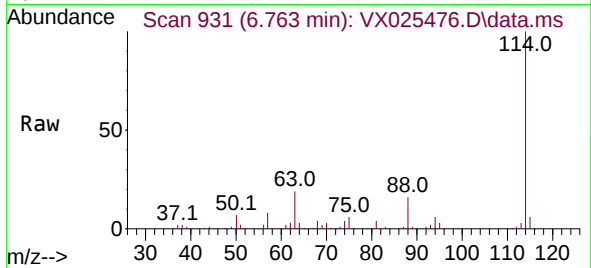




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

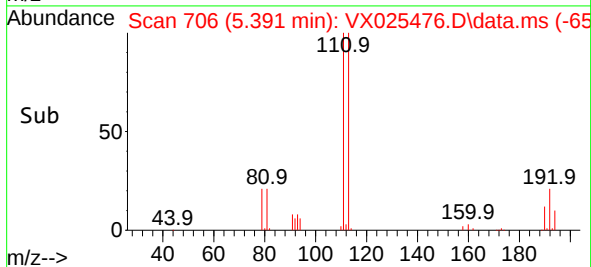
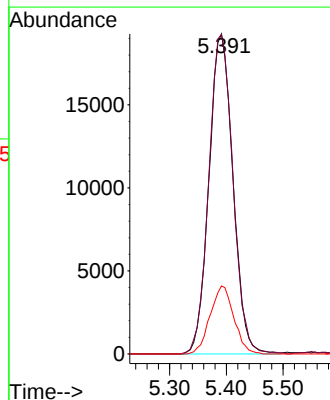
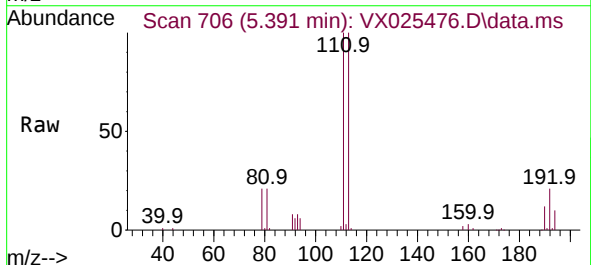
Instrument :
MSVOA_X
ClientSampleId :

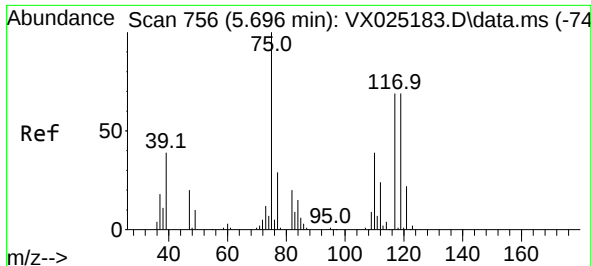
Tgt Ion:114 Resp: 181658
Ion Ratio Lower Upper
114 100
63 19.1 0.0 41.0
88 15.5 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.715 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

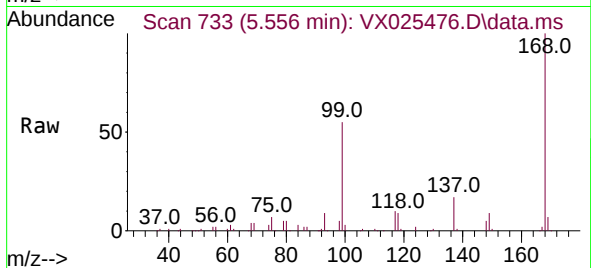
Tgt Ion:113 Resp: 56527
Ion Ratio Lower Upper
113 100
111 100.8 82.1 123.1
192 21.0 15.6 23.4



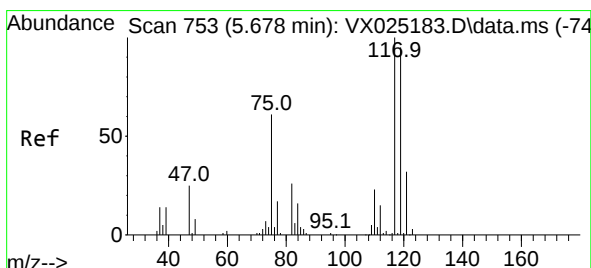
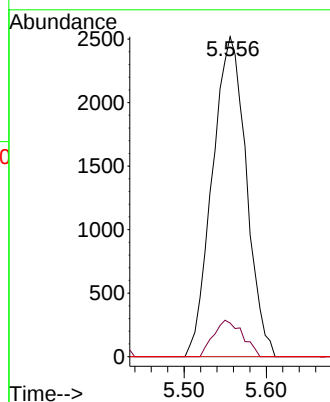
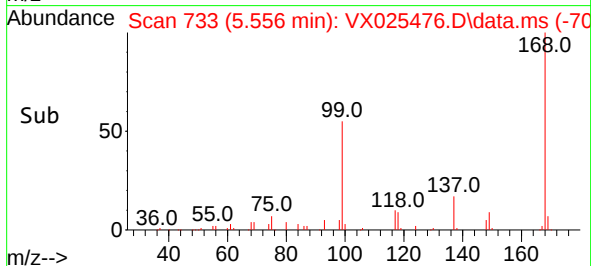


#36
1,1-Dichloropropene
Concen: 4.560 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

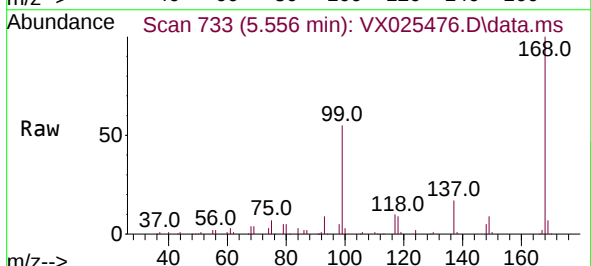
Instrument :
MSVOA_X
ClientSampleId :



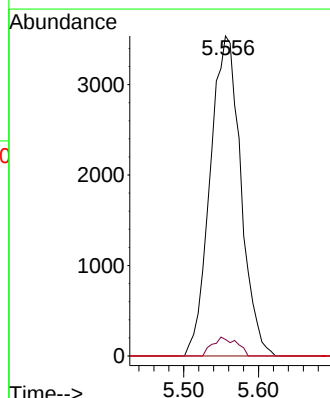
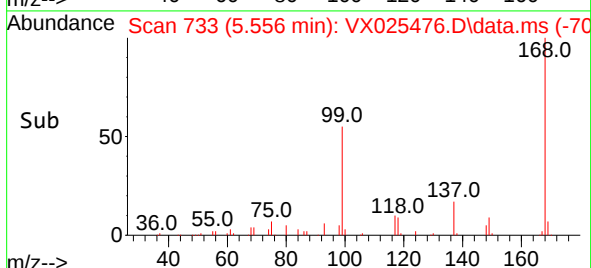
Tgt Ion: 75 Resp: 7227
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.3#
77 0.0 24.4 36.6#

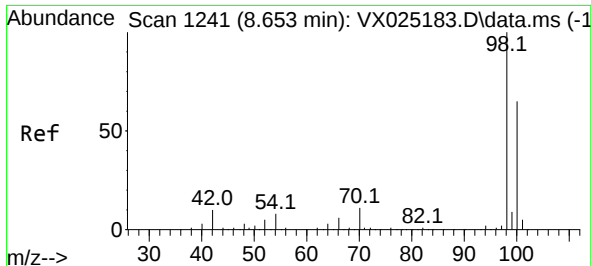


#38
Carbon Tetrachloride
Concen: 5.772 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48



Tgt Ion: 117 Resp: 10076
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 49.971 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025476.D

Acq: 03 Dec 2021 12:48

Instrument :

MSVOA_X

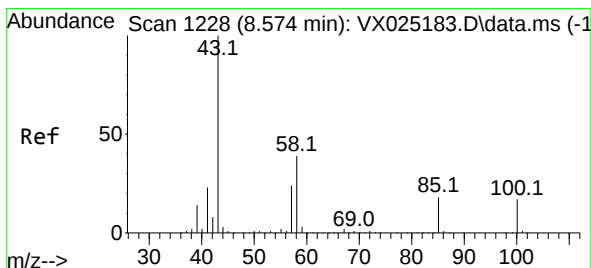
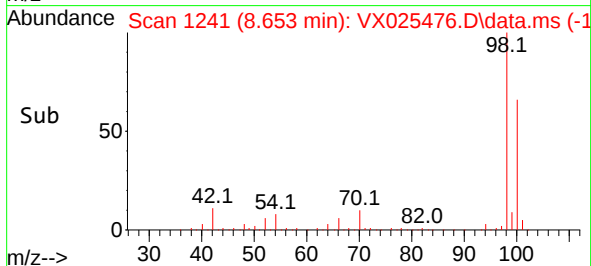
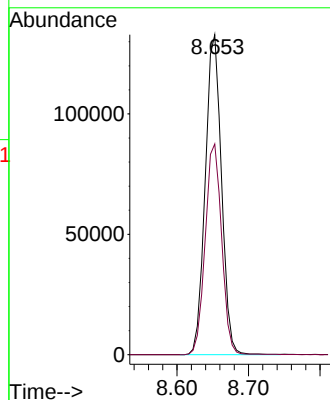
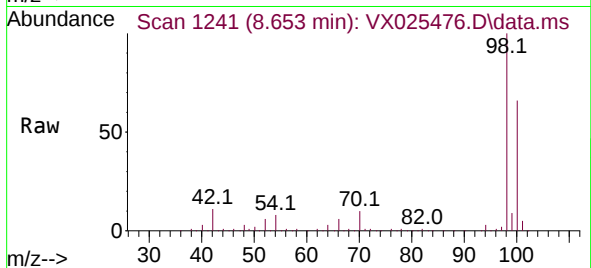
ClientSampleId :

Tgt Ion: 98 Resp: 209413

Ion Ratio Lower Upper

98 100

100 66.8 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.470 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX025476.D

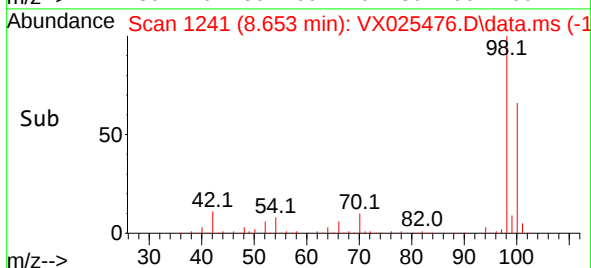
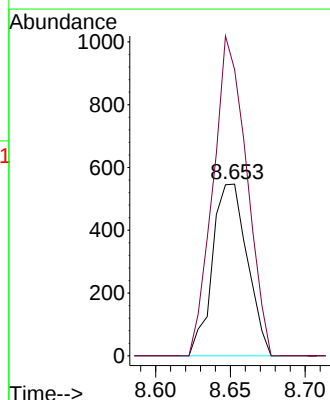
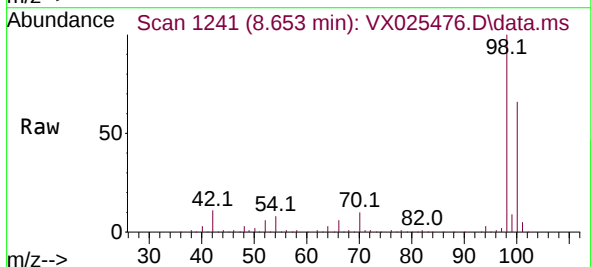
Acq: 03 Dec 2021 12:48

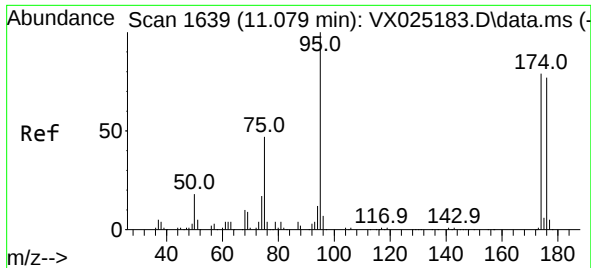
Tgt Ion: 43 Resp: 885

Ion Ratio Lower Upper

43 100

58 178.9 30.9 46.3#

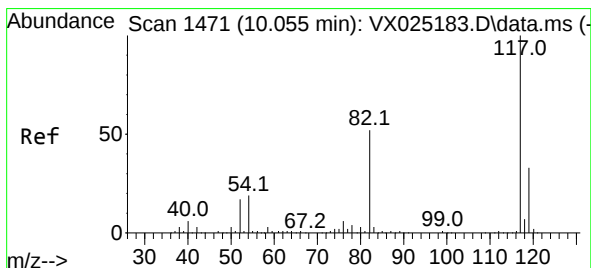
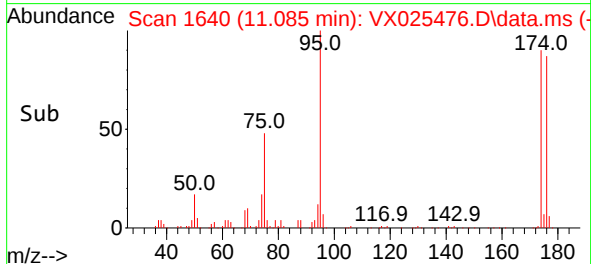
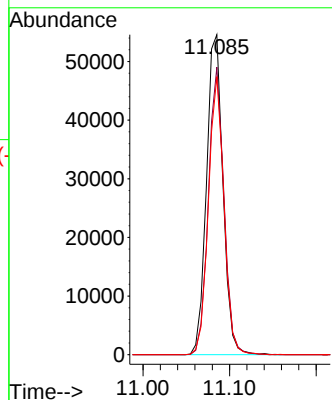
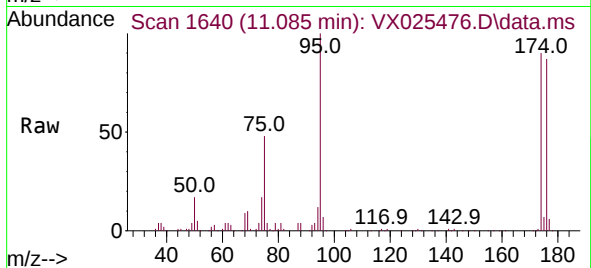




#62
4-Bromofluorobenzene
Concen: 45.401 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

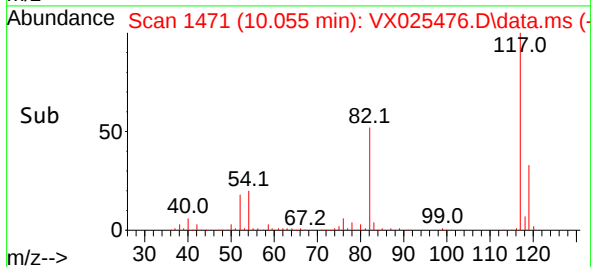
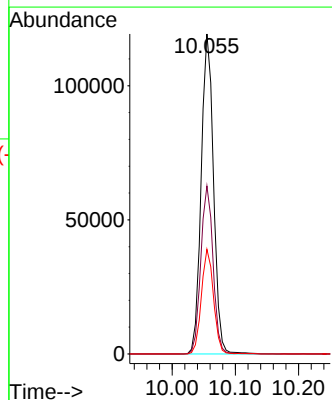
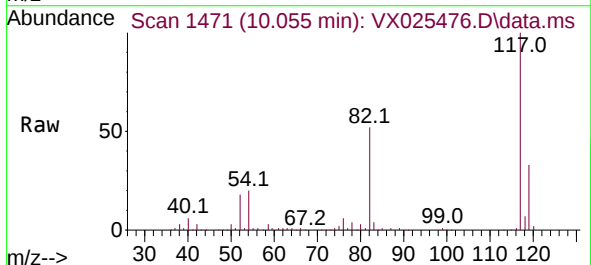
Instrument :
MSVOA_X
ClientSampleId :

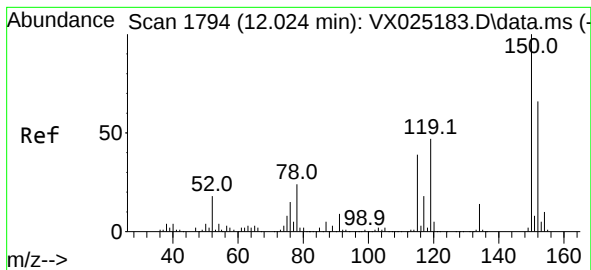
Tgt Ion: 95 Resp: 71978
Ion Ratio Lower Upper
95 100
174 85.2 0.0 158.0
176 82.4 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

Tgt Ion: 117 Resp: 162317
Ion Ratio Lower Upper
117 100
82 52.5 44.6 67.0
119 32.7 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX025476.D

Acq: 03 Dec 2021 12:48

Instrument :

MSVOA_X

ClientSampleId :

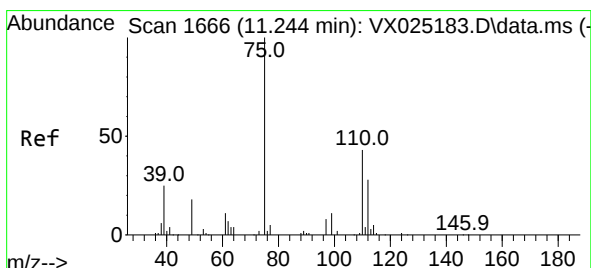
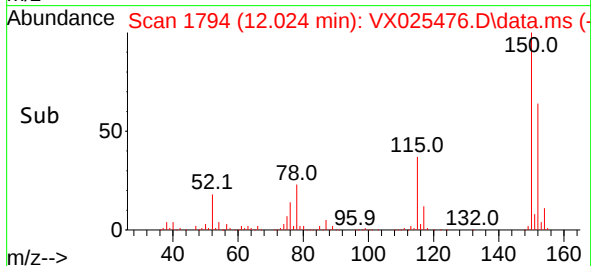
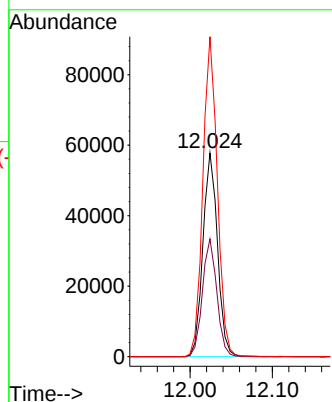
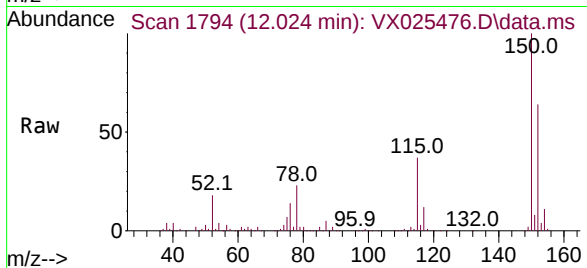
Tgt Ion:152 Resp: 71167

Ion Ratio Lower Upper

152 100

115 57.2 43.3 129.8

150 155.7 0.0 351.2



#76

1,2,3-Trichloropropane

Concen: 24.278 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX025476.D

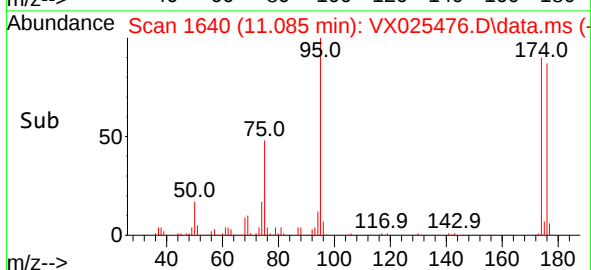
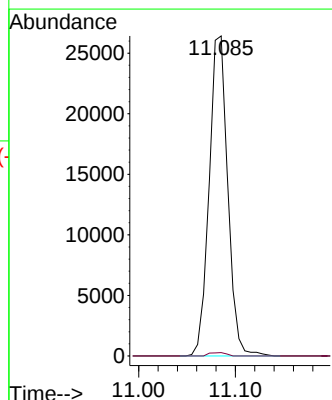
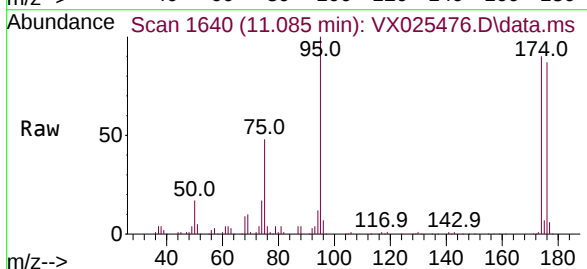
Acq: 03 Dec 2021 12:48

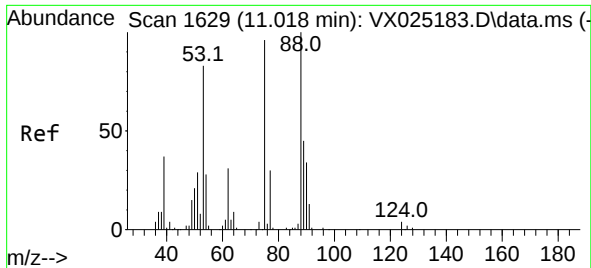
Tgt Ion: 75 Resp: 35381

Ion Ratio Lower Upper

75 100

77 0.9 20.0 59.9#

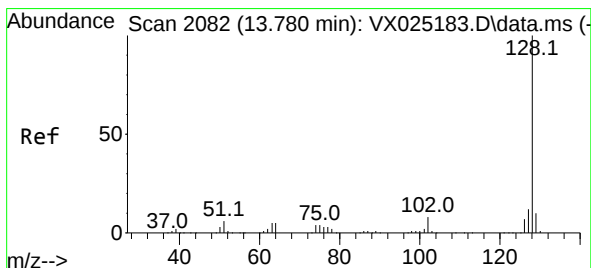
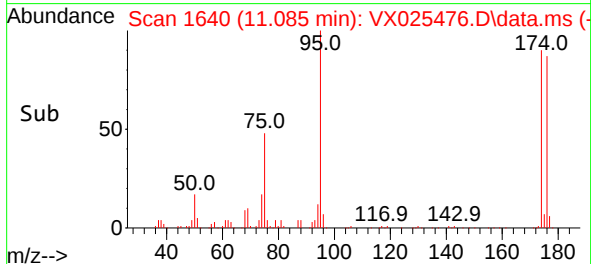
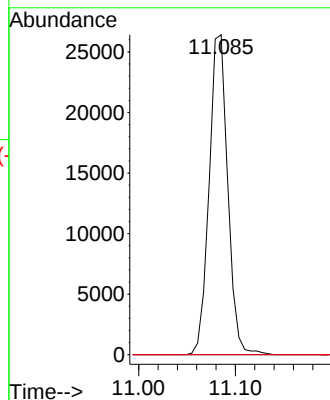
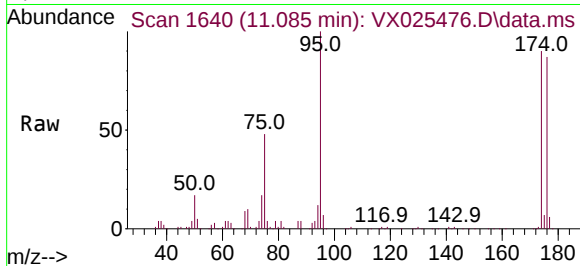




#81
trans-1,4-Dichloro-2-butene
Concen: 61.159 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX025476.D
Acq: 03 Dec 2021 12:48

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 35381
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: VX025476.D
Acq: 03 Dec 2021 12:48

Tgt Ion:128 Resp: 320
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

