

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113021\
 Data File : VX025396.D
 Acq On : 30 Nov 2021 16:46
 Operator : JC/MD
 Sample : M4867-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 01 02:22:08 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)

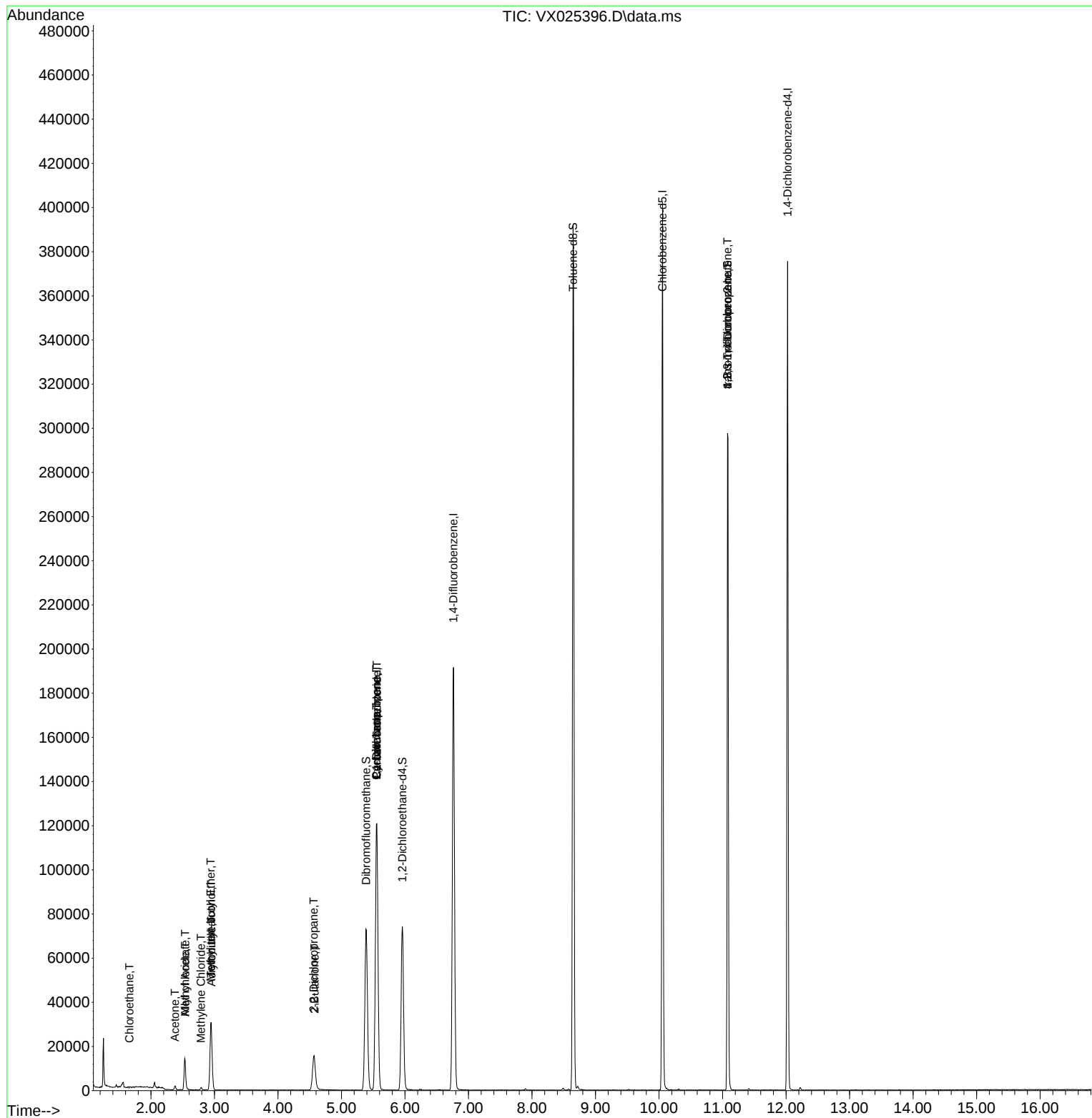
Internal Standards						
1) Pentafluorobenzene	5.556	168	124720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	204675	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70055	53.289	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.580%	
35) Dibromofluoromethane	5.385	113	63361	50.454	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.900%	
50) Toluene-d8	8.647	98	234404	49.644	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.280%	
62) 4-Bromofluorobenzene	11.079	95	82528	46.201	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.400%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	248	0.245	ug/l #	43
11) Tert butyl alcohol	2.947	59	18049	48.289	ug/l #	76
14) Allyl chloride	2.538	41	1351	0.646	ug/l #	64
15) Acrylonitrile	2.953	53	293	0.415	ug/l #	17
16) Acetone	2.380	43	1810	2.478	ug/l	89
18) Methyl Acetate	2.538	43	3901	1.671	ug/l #	52
19) Methyl tert-butyl Ether	2.941	73	1003	0.249	ug/l #	64
20) Methylene Chloride	2.788	84	535	0.390	ug/l #	75
25) 2-Butanone	4.574	43	1022	0.968	ug/l #	48
26) 2,2-Dichloropropane	4.562	77	1322	0.670	ug/l #	53
31) Cyclohexane	5.550	56	2297	1.131	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8484	4.751	ug/l #	50
38) Carbon Tetrachloride	5.556	117	11906	6.053	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	39799	23.976	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39799	60.399	ug/l #	9
95) Naphthalene	13.786	128	19	Below Cal	#	69

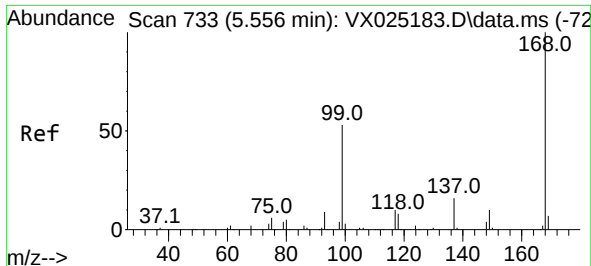
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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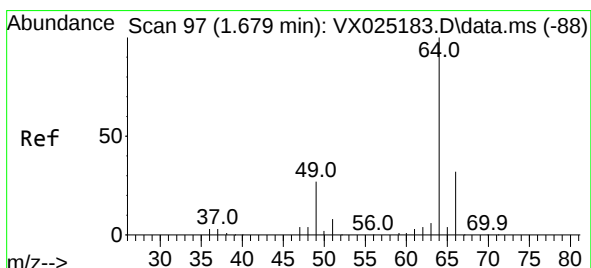
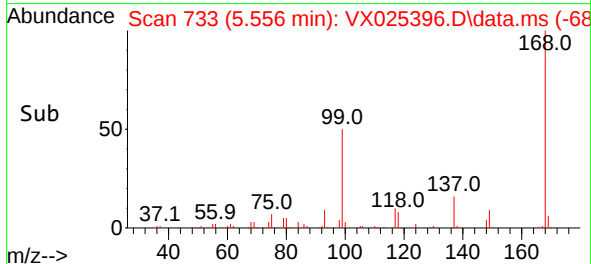
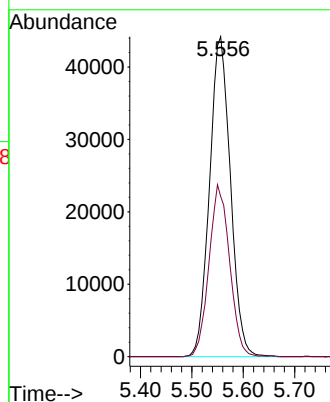
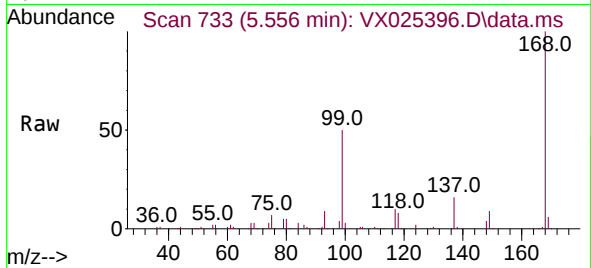




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025396.D
Acq: 30 Nov 2021 16:46

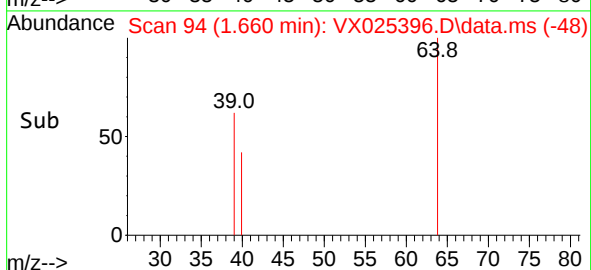
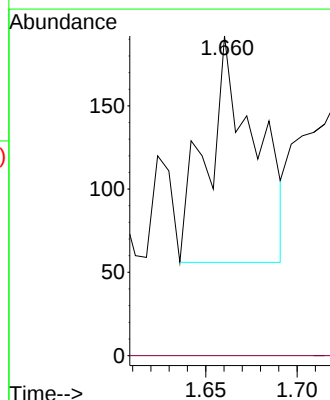
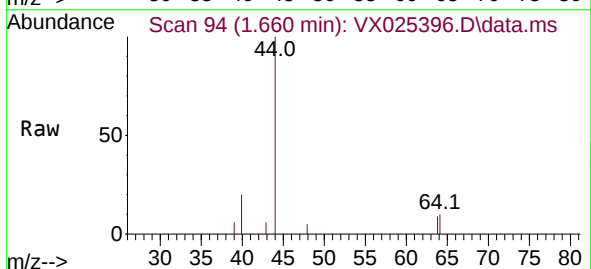
Instrument :
MSVOA_X
ClientSampleId :

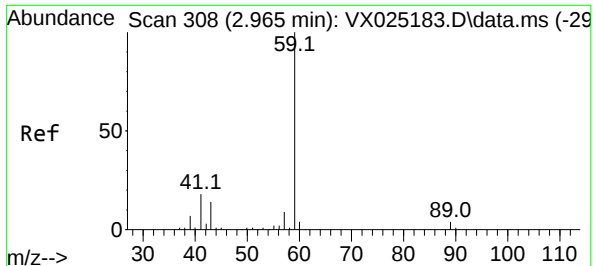
Tgt Ion:168 Resp: 124720
Ion Ratio Lower Upper
168 100
99 50.1 46.4 69.6



#6
Chloroethane
Concen: 0.245 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX025396.D
Acq: 30 Nov 2021 16:46

Tgt Ion: 64 Resp: 248
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#





#11

Tert butyl alcohol

Concen: 48.289 ug/l

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX025396.D

Acq: 30 Nov 2021 16:46

Instrument :

MSVOA_X

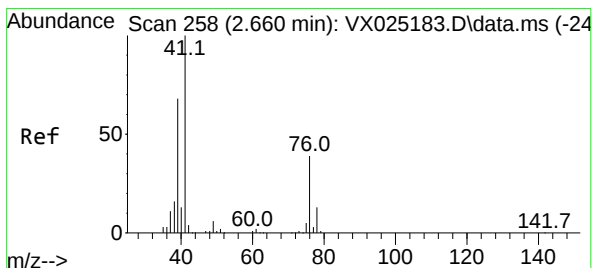
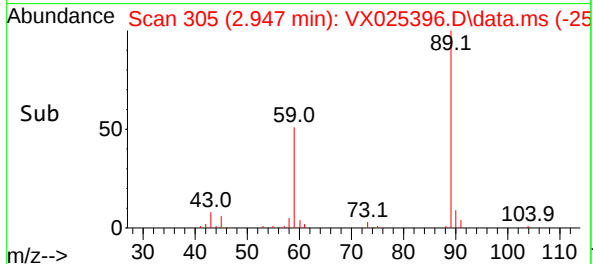
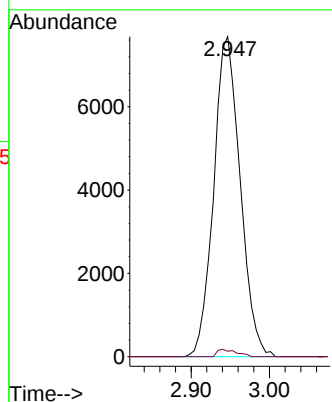
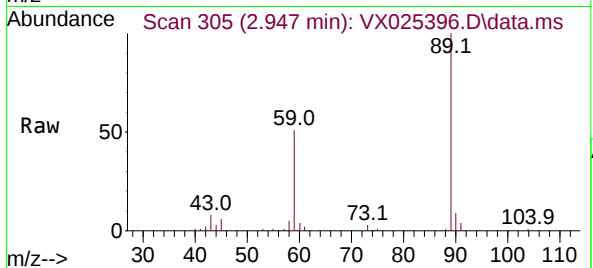
ClientSampleId :

Tgt Ion: 59 Resp: 18049

Ion Ratio Lower Upper

59 100

57 1.7 8.5 12.7#



#14

Allyl chloride

Concen: 0.646 ug/l

RT: 2.538 min Scan# 238

Delta R.T. -0.122 min

Lab File: VX025396.D

Acq: 30 Nov 2021 16:46

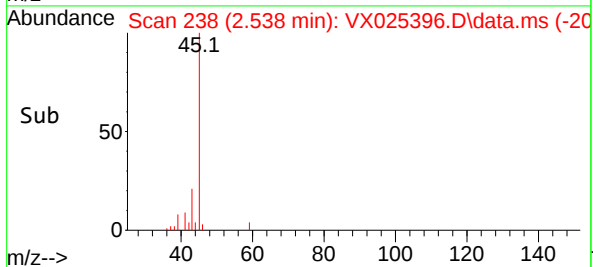
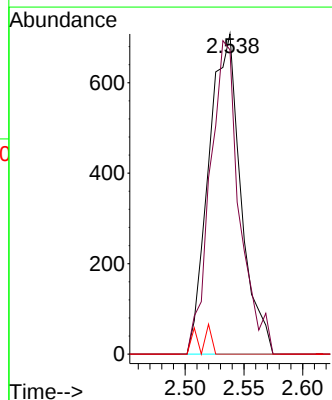
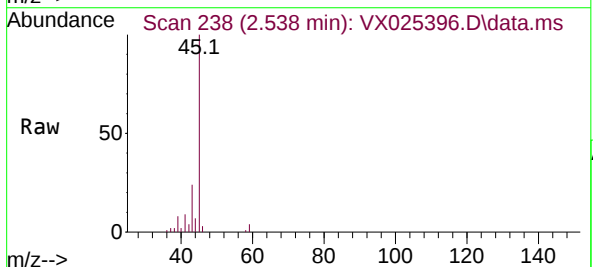
Tgt Ion: 41 Resp: 1351

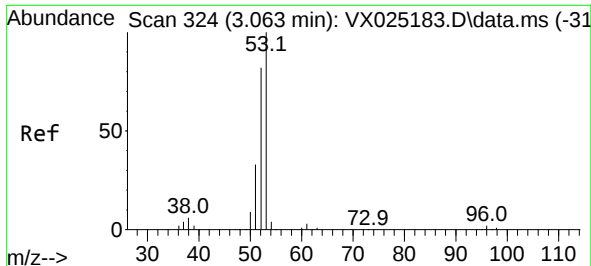
Ion Ratio Lower Upper

41 100

39 89.6 54.6 82.0#

76 0.0 25.3 37.9#

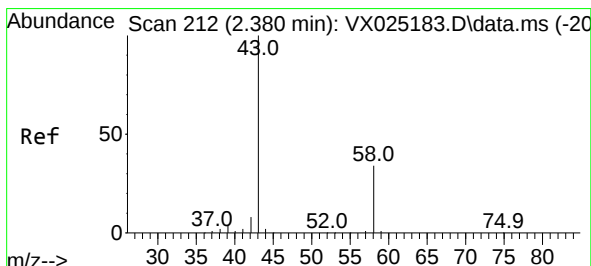
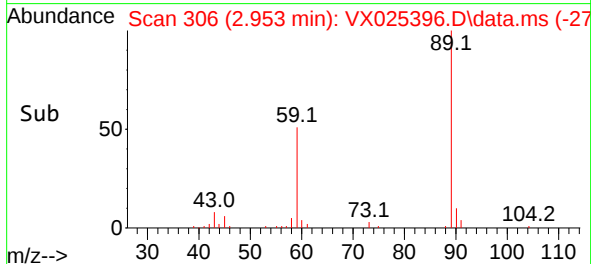
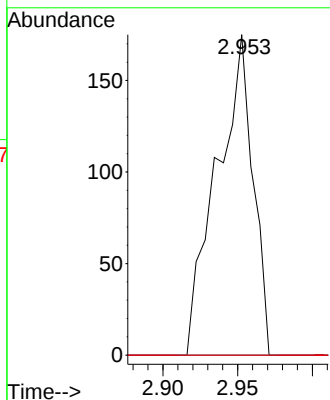
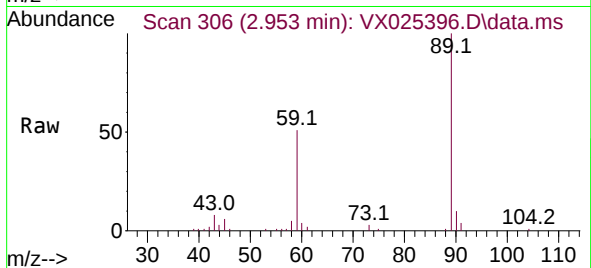




#15
Acrylonitrile
Concen: 0.415 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.110 min
Lab File: VX025396.D
Acq: 30 Nov 2021 16:46

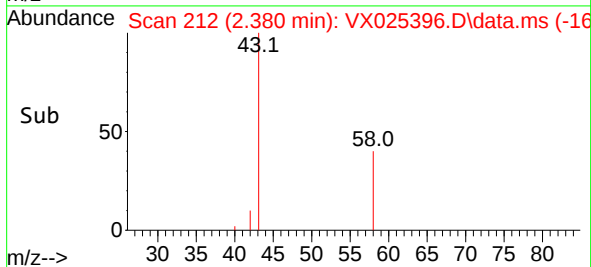
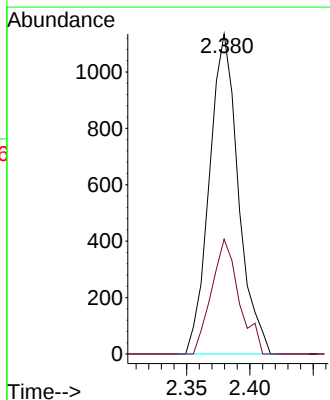
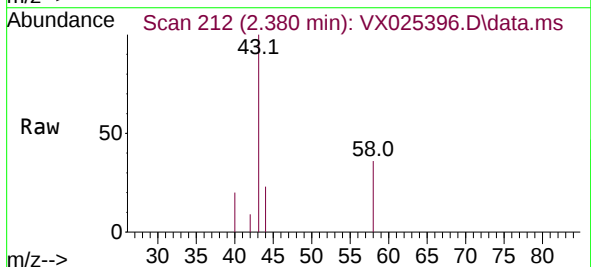
Instrument :
MSVOA_X
ClientSampleId :

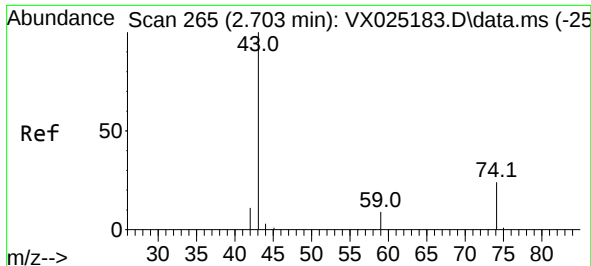
Tgt Ion: 53 Resp: 293
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.4#
51 0.0 29.8 44.8#



#16
Acetone
Concen: 2.478 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025396.D
Acq: 30 Nov 2021 16:46

Tgt Ion: 43 Resp: 1810
Ion Ratio Lower Upper
43 100
58 35.9 24.0 36.0





#18

Methyl Acetate

Concen: 1.671 ug/l

RT: 2.538 min Scan# 21

Delta R.T. -0.165 min

Lab File: VX025396.D

Acq: 30 Nov 2021 16:46

Instrument :

MSVOA_X

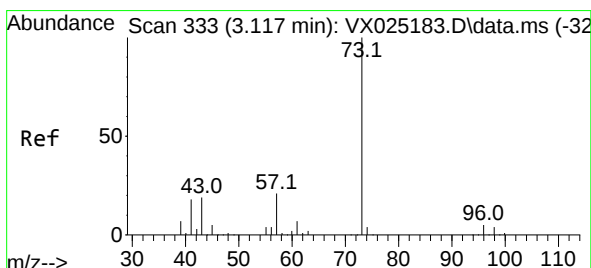
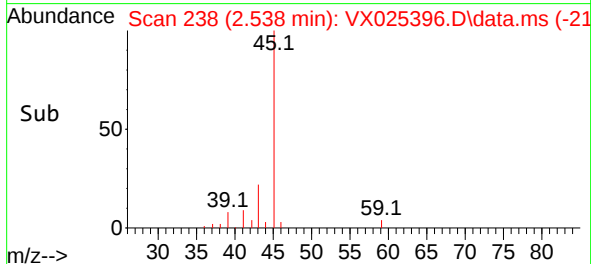
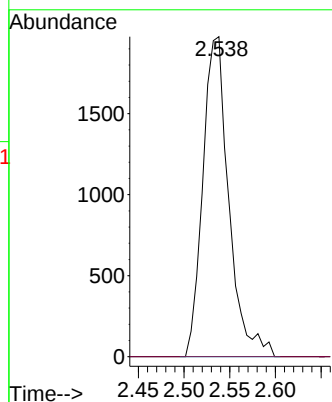
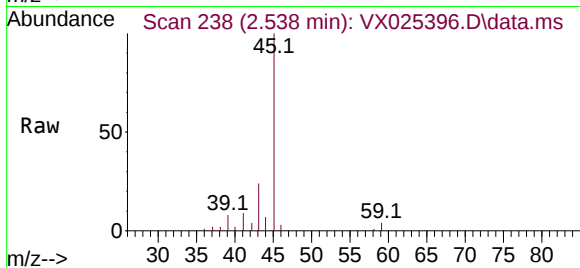
ClientSampleId :

Tgt Ion: 43 Resp: 3901

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#



#19

Methyl tert-butyl Ether

Concen: 0.249 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.176 min

Lab File: VX025396.D

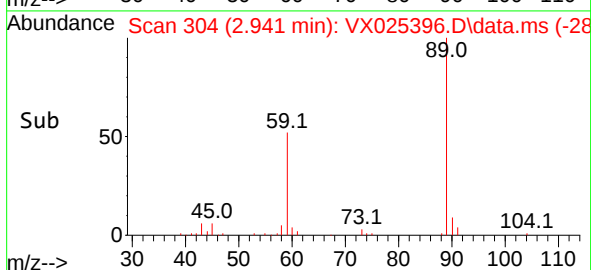
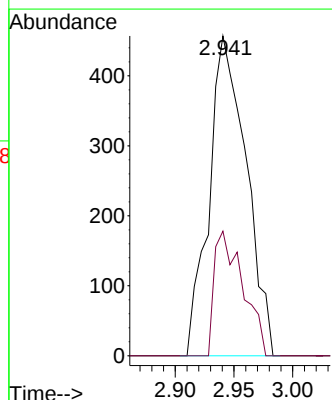
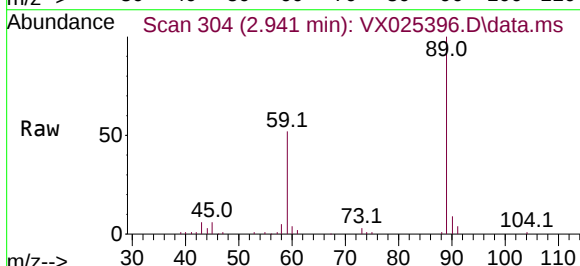
Acq: 30 Nov 2021 16:46

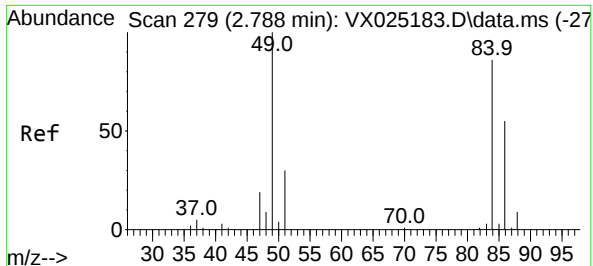
Tgt Ion: 73 Resp: 1003

Ion Ratio Lower Upper

73 100

57 38.9 17.5 26.3#





#20

Methylene Chloride

Concen: 0.390 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

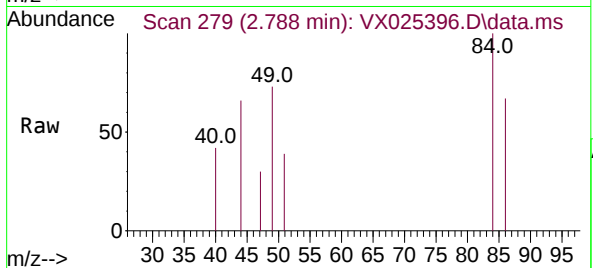
Lab File: VX025396.D

Acq: 30 Nov 2021 16:46

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 535

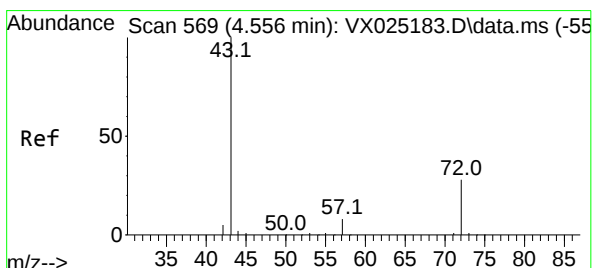
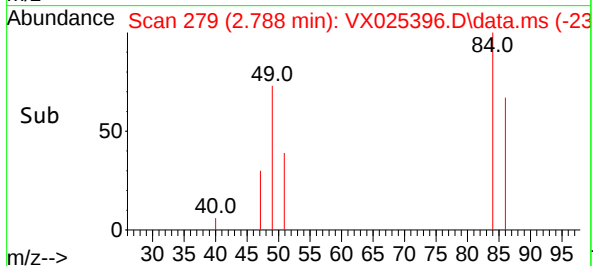
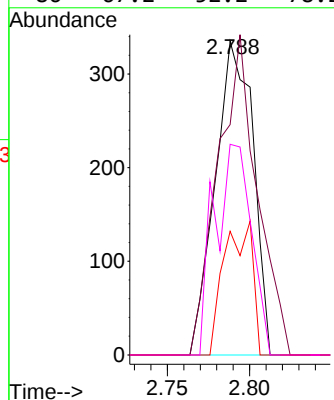
Ion Ratio Lower Upper

84 100

49 73.4 98.2 147.2#

51 39.4 30.2 45.4

86 67.2 52.2 78.2



#25

2-Butanone

Concen: 0.968 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX025396.D

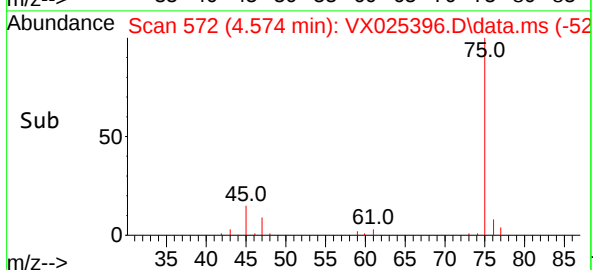
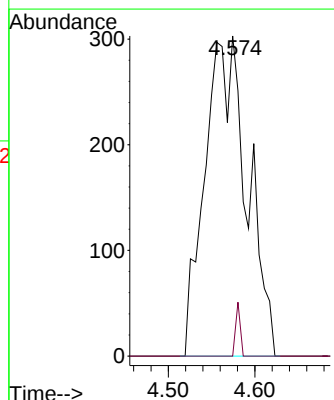
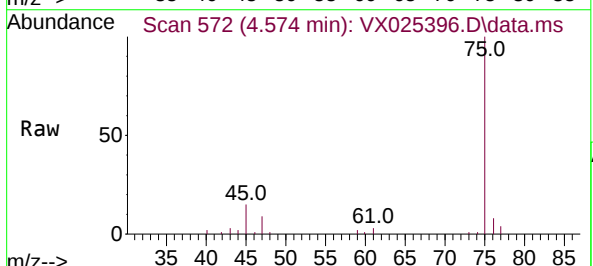
Acq: 30 Nov 2021 16:46

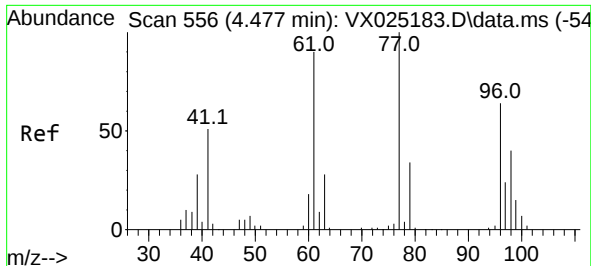
Tgt Ion: 43 Resp: 1022

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#





#26

2,2-Dichloropropane

Concen: 0.670 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.085 min

Lab File: VX025396.D

Acq: 30 Nov 2021 16:46

Instrument :

MSVOA_X

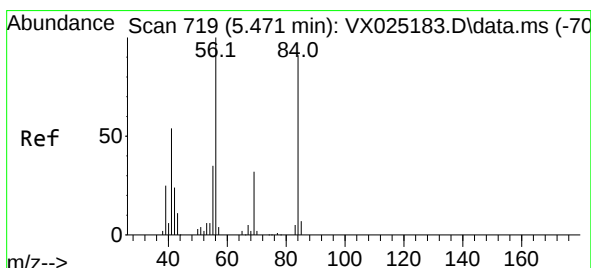
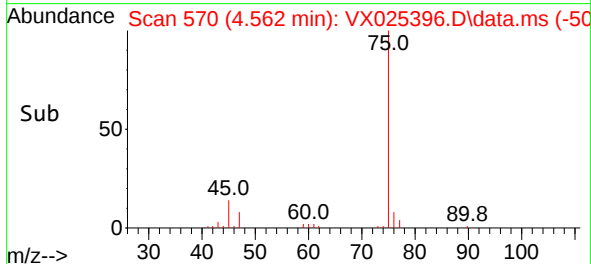
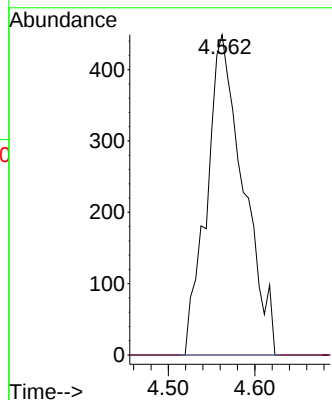
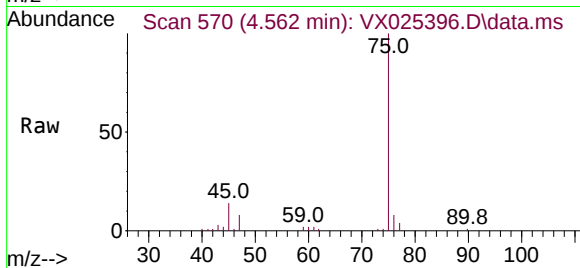
ClientSampleId :

Tgt Ion: 77 Resp: 1322

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



#31

Cyclohexane

Concen: 1.131 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX025396.D

Acq: 30 Nov 2021 16:46

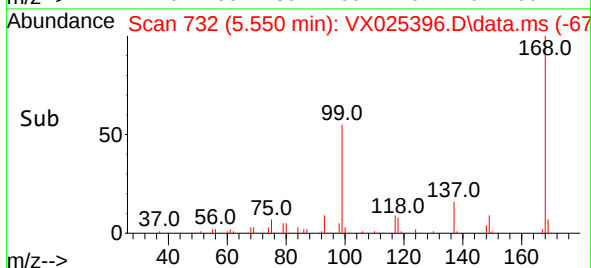
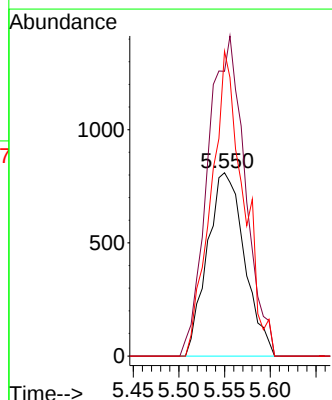
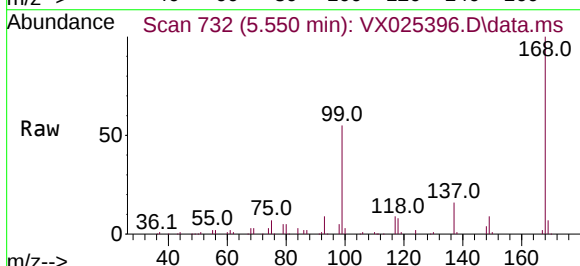
Tgt Ion: 56 Resp: 2297

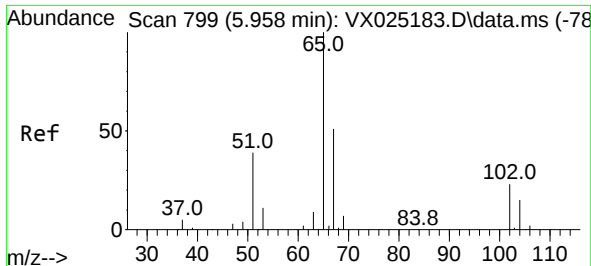
Ion Ratio Lower Upper

56 100

69 155.3 24.2 36.2#

84 166.3 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 53.289 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025396.D

Acq: 30 Nov 2021 16:46

Instrument :

MSVOA_X

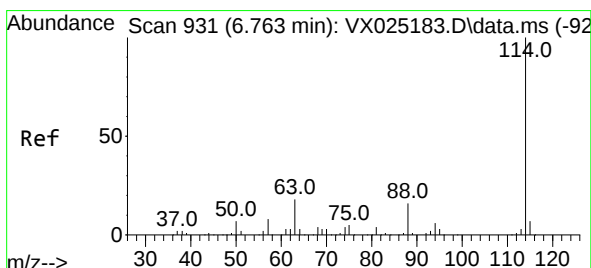
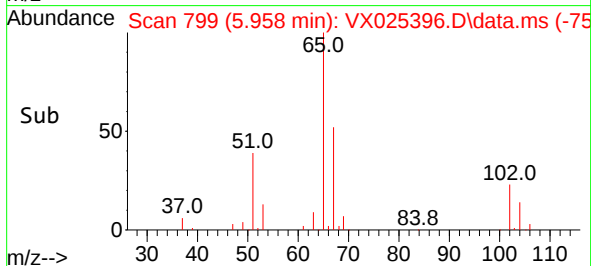
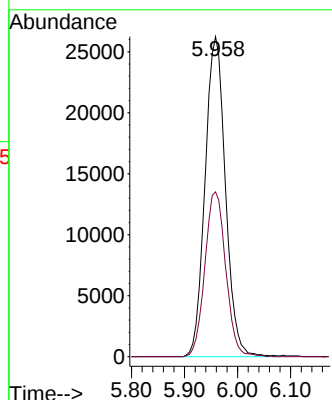
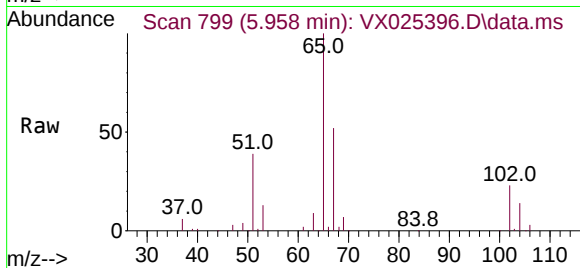
ClientSampleId :

Tgt Ion: 65 Resp: 70055

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# 931

Delta R.T. -0.000 min

Lab File: VX025396.D

Acq: 30 Nov 2021 16:46

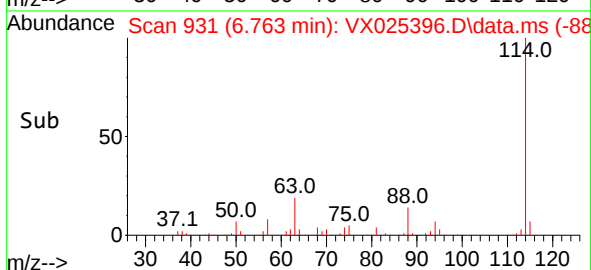
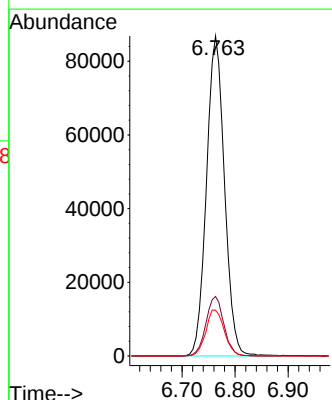
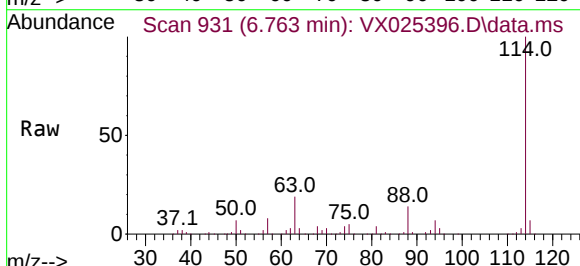
Tgt Ion: 114 Resp: 204675

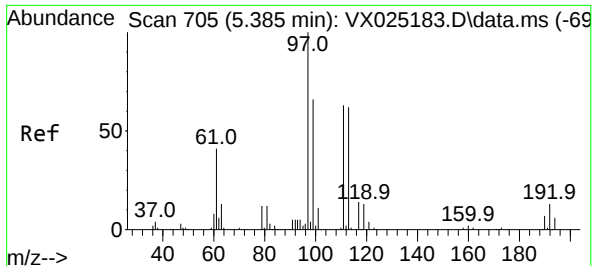
Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.0

88 14.3 0.0 34.8

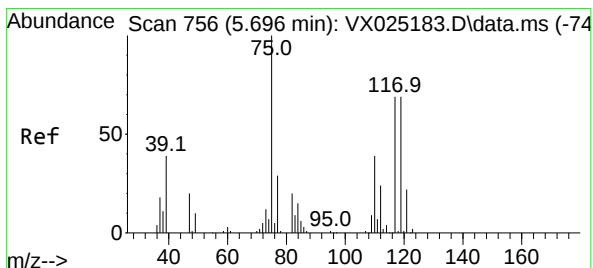
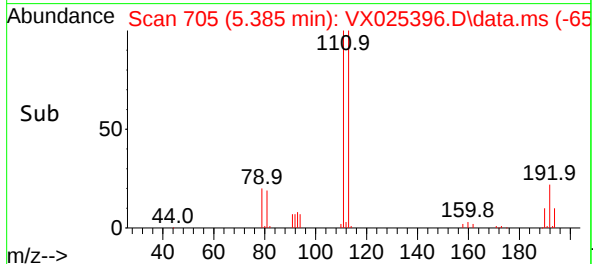
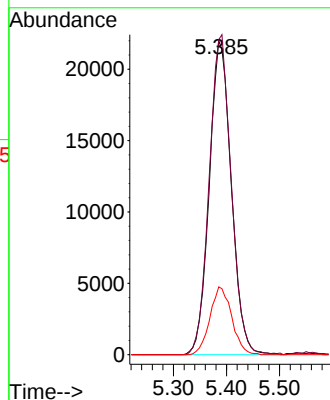
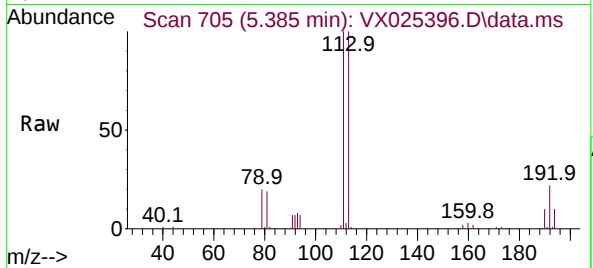




#35
Dibromofluoromethane
Concen: 50.454 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX025396.D
Acq: 30 Nov 2021 16:46

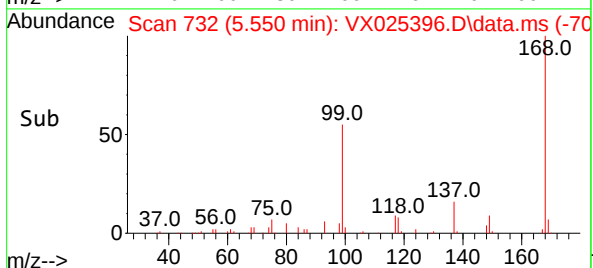
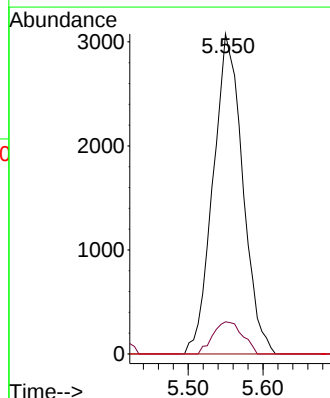
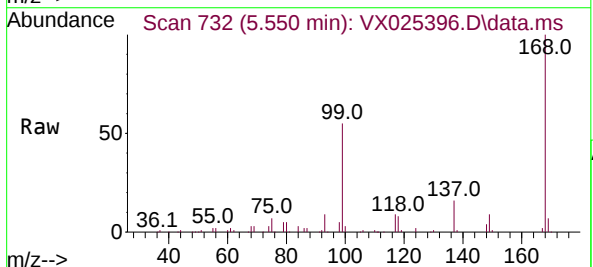
Instrument :
MSVOA_X
ClientSampleId :

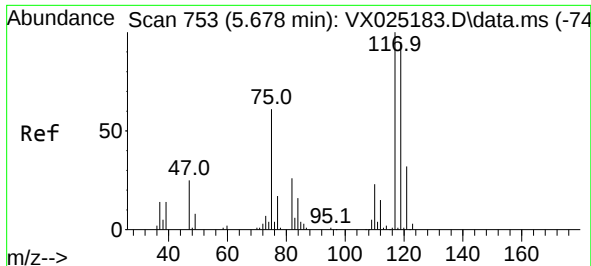
Tgt Ion:113 Resp: 63361
Ion Ratio Lower Upper
113 100
111 102.1 82.1 123.1
192 21.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.751 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX025396.D
Acq: 30 Nov 2021 16:46

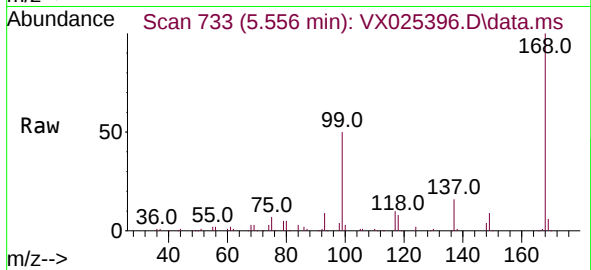
Tgt Ion: 75 Resp: 8484
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.3#
77 0.0 24.4 36.6#



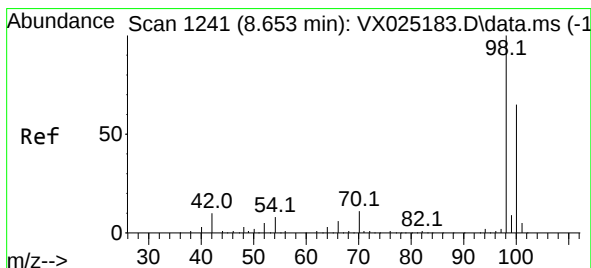
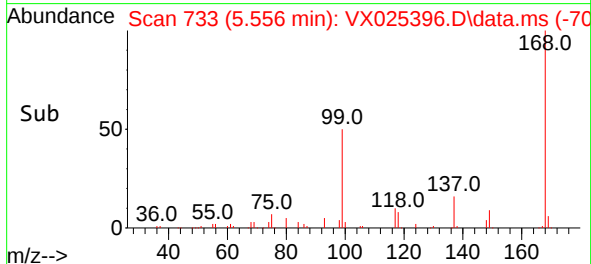
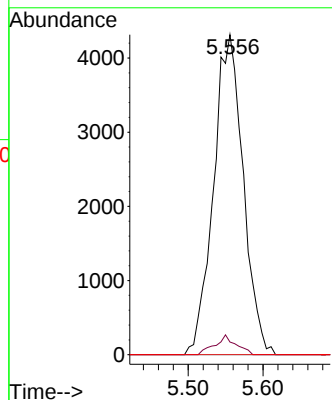


#38
Carbon Tetrachloride
Concen: 6.053 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025396.D
Acq: 30 Nov 2021 16:46

Instrument :
MSVOA_X
ClientSampleId :

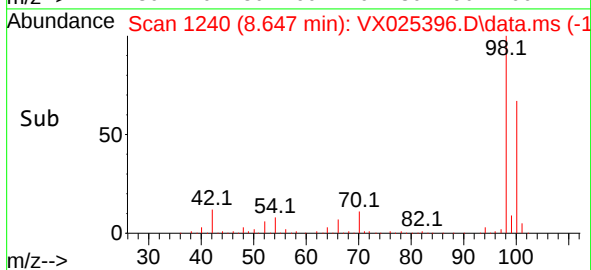
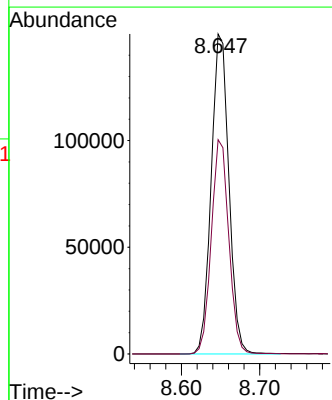
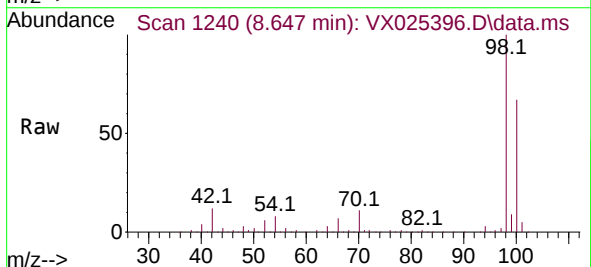


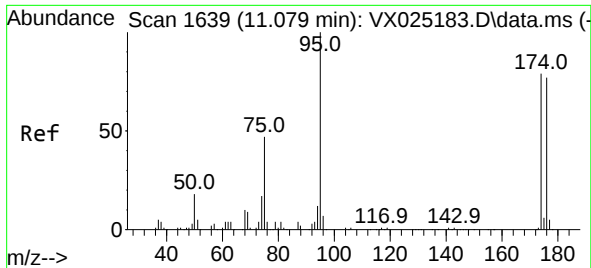
Tgt Ion:117 Resp: 11906
Ion Ratio Lower Upper
117 100
119 4.0 75.6 113.4#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 49.644 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX025396.D
Acq: 30 Nov 2021 16:46

Tgt Ion: 98 Resp: 234404
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.0

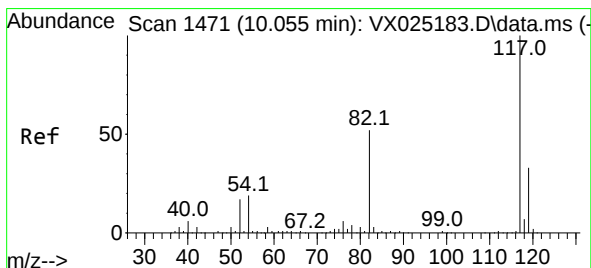
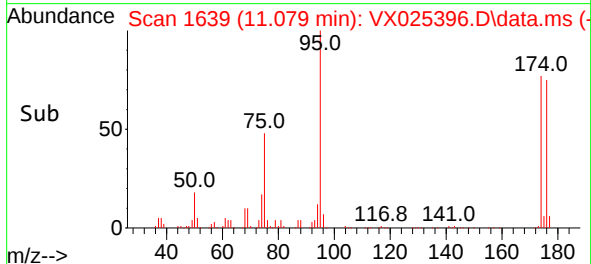
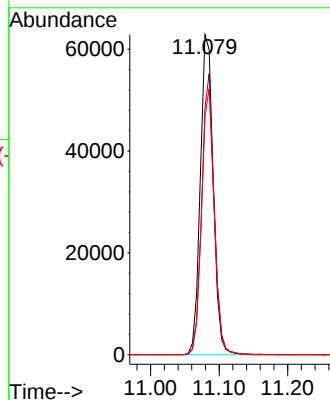
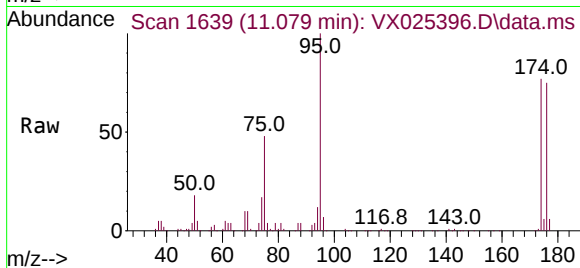




#62
4-Bromofluorobenzene
Concen: 46.201 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025396.D
Acq: 30 Nov 2021 16:46

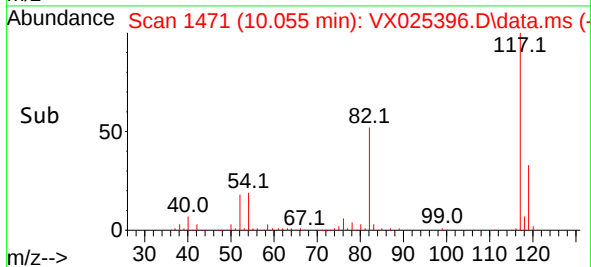
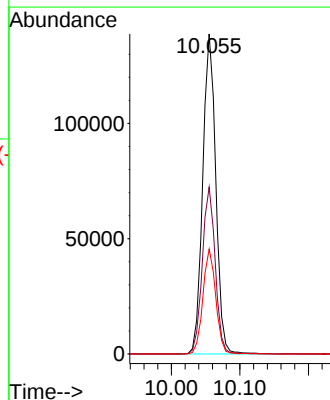
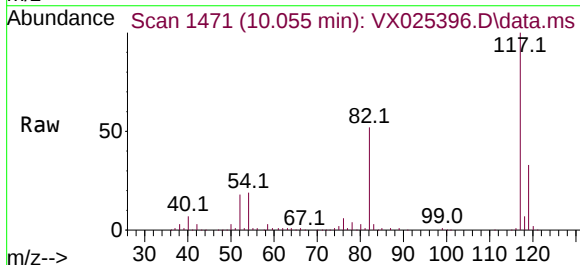
Instrument :
MSVOA_X
ClientSampleId :

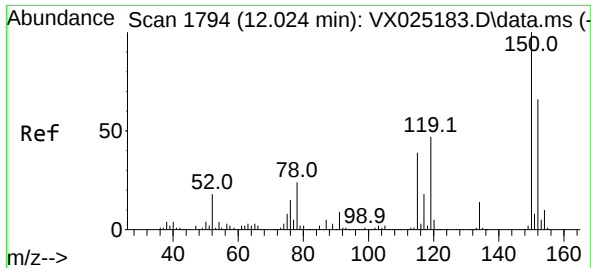
Tgt Ion: 95 Resp: 82528
Ion Ratio Lower Upper
95 100
174 84.4 0.0 158.0
176 81.7 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025396.D
Acq: 30 Nov 2021 16:46

Tgt Ion: 117 Resp: 184300
Ion Ratio Lower Upper
117 100
82 52.2 44.6 67.0
119 32.8 24.8 37.2

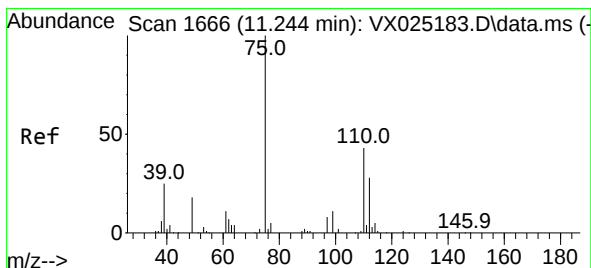
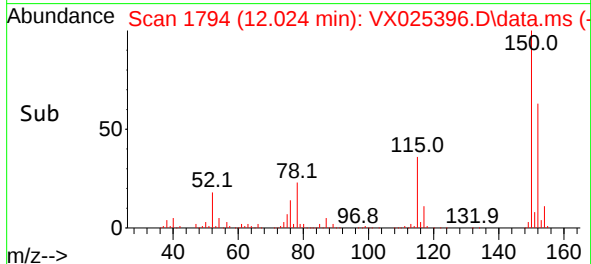
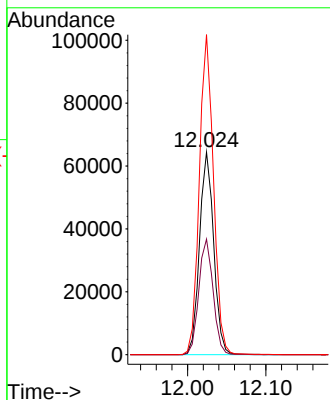
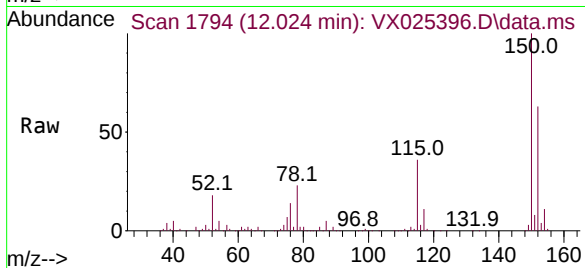




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025396.D
 Acq: 30 Nov 2021 16:46

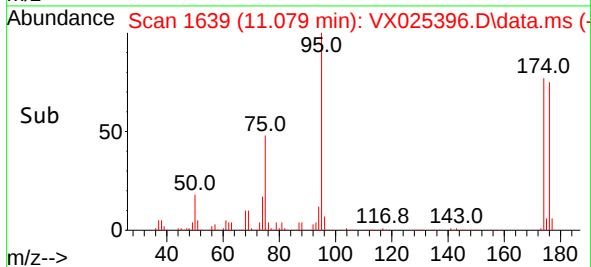
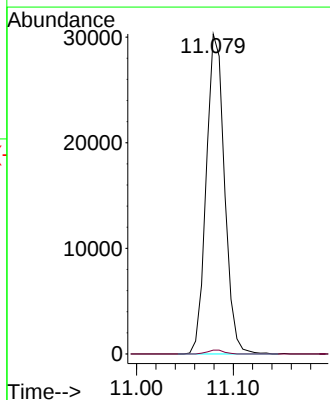
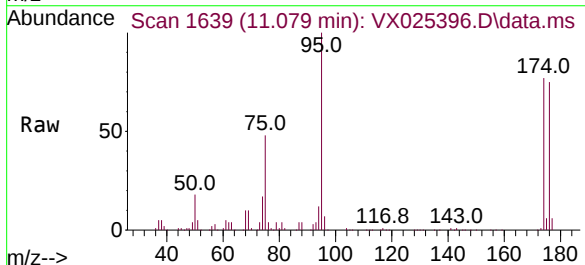
Instrument :
 MSVOA_X
 ClientSampleId :

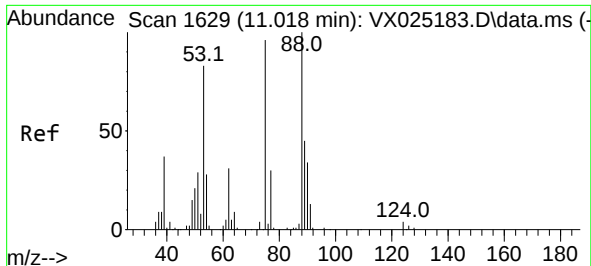
Tgt Ion:152 Resp: 81062
 Ion Ratio Lower Upper
 152 100
 115 57.5 43.3 129.8
 150 157.8 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 23.976 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX025396.D
 Acq: 30 Nov 2021 16:46

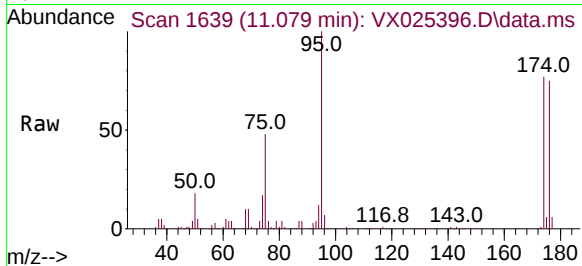
Tgt Ion: 75 Resp: 39799
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#



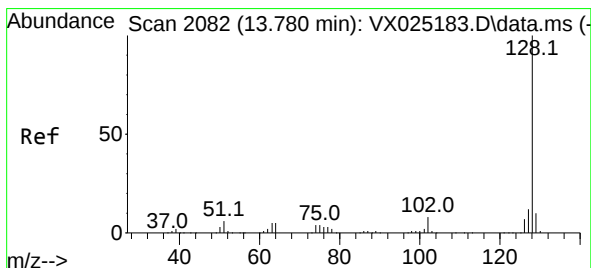
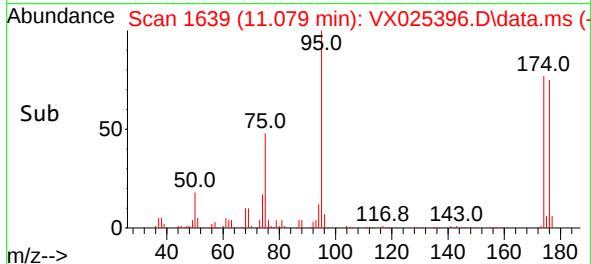
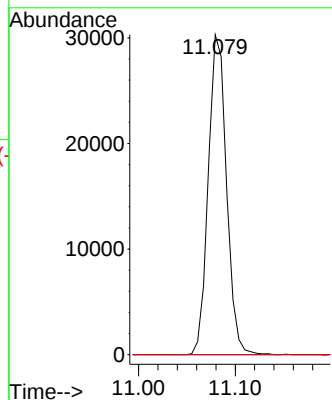


#81
trans-1,4-Dichloro-2-butene
Concen: 60.399 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX025396.D
Acq: 30 Nov 2021 16:46

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 39799
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: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX025396.D
Acq: 30 Nov 2021 16:46

Tgt Ion: 128 Resp: 19
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

