

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025380.D
 Acq On : 29 Nov 2021 19:18
 Operator : JC/MD
 Sample : M4837-19 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20936

Quant Time: Nov 30 04:04:25 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)

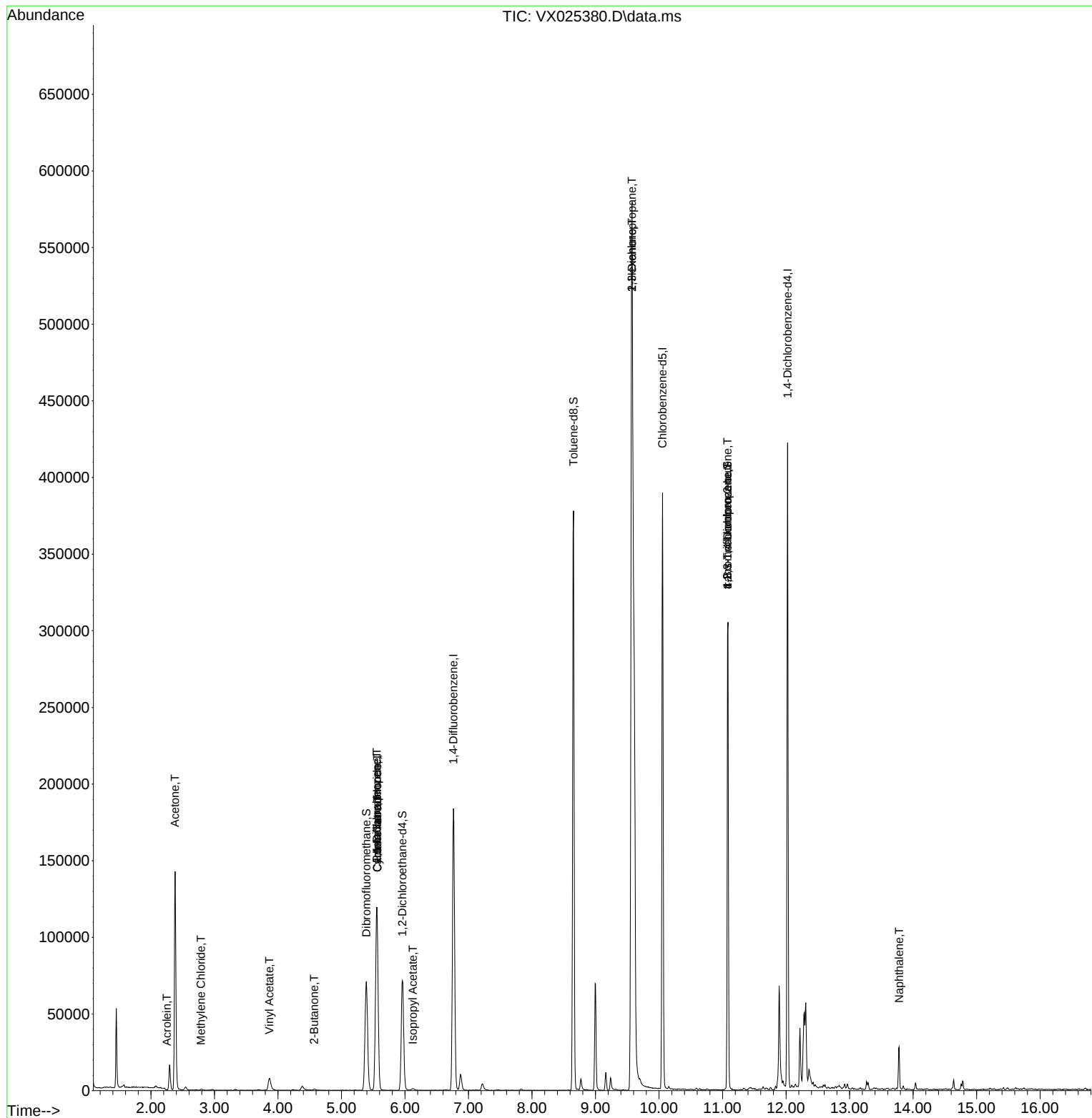
Internal Standards						
1) Pentafluorobenzene	5.556	168	123063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	200482	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67777	52.250	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.500%			
35) Dibromofluoromethane	5.391	113	61211	49.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.520%			
50) Toluene-d8	8.653	98	230947	49.935	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.860%			
62) 4-Bromofluorobenzene	11.079	95	83548	47.750	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.500%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.971	59	464	Below Cal	#	72
13) Acrolein	2.251	56	40	0.673	ug/l #	13
16) Acetone	2.380	43	144767	200.846	ug/l	94
20) Methylene Chloride	2.788	84	336	0.248	ug/l #	72
23) Vinyl Acetate	3.861	43	1545	0.489	ug/l #	72
25) 2-Butanone	4.568	43	1609	1.544	ug/l #	83
31) Cyclohexane	5.562	56	2115	1.055	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	8316	4.754	ug/l #	50
38) Carbon Tetrachloride	5.562	117	11413	5.924	ug/l #	16
43) Isopropyl Acetate	6.123	43	1094	0.330	ug/l #	61
57) 1,3-Dichloropropane	9.573	76	3884	1.704	ug/l #	43
59) 2-Hexanone	9.573	43	236542	144.475	ug/l #	33
76) 1,2,3-Trichloropropane	11.079	75	39570	22.182	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39570	55.880	ug/l #	9
95) Naphthalene	13.780	128	18331	2.764	ug/l	100

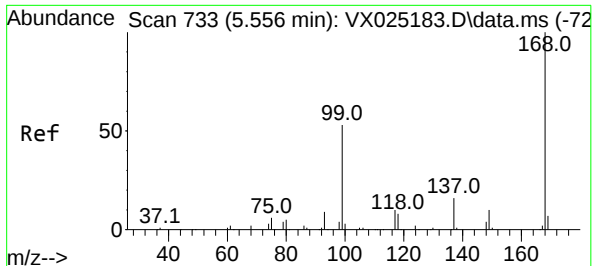
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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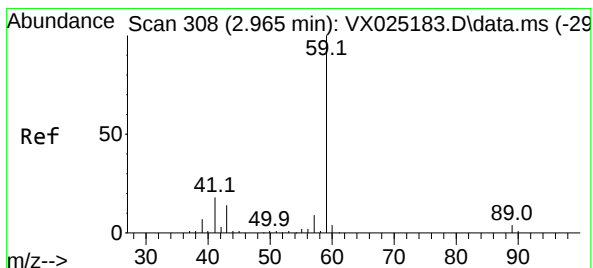
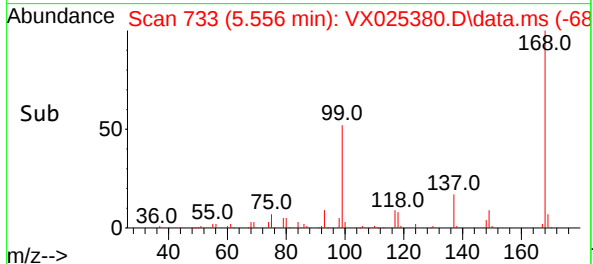
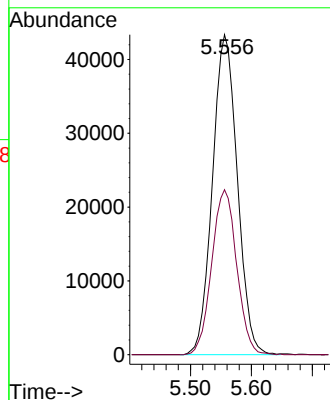
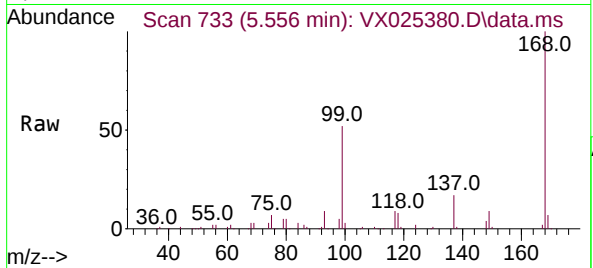




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025380.D
Acq: 29 Nov 2021 19:18

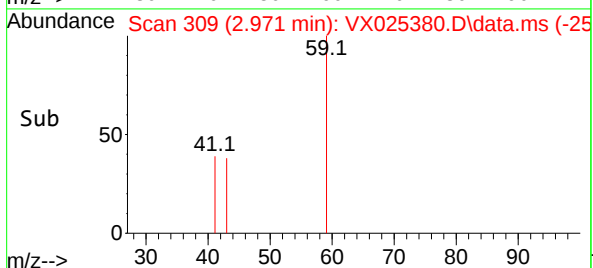
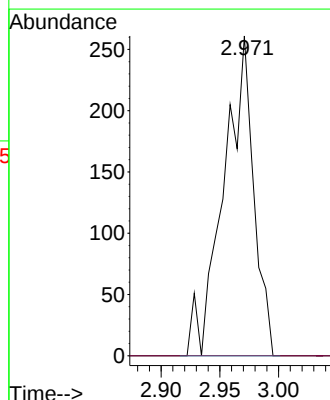
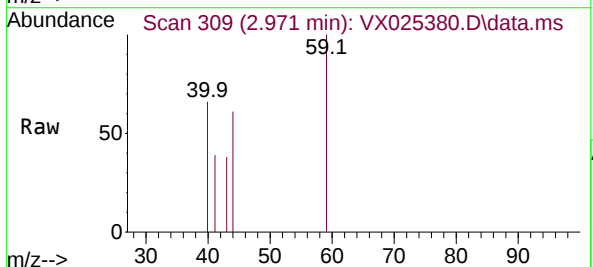
Instrument :
MSVOA_X
ClientSampleId :
20936

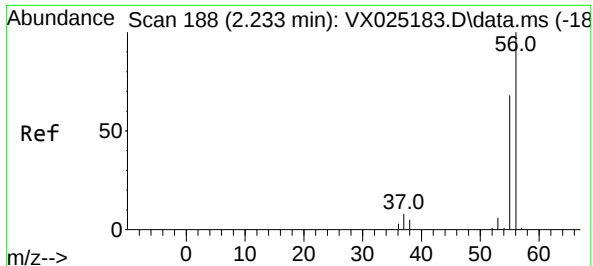
Tgt Ion:168 Resp: 123063
Ion Ratio Lower Upper
168 100
99 51.5 46.4 69.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. 0.006 min
Lab File: VX025380.D
Acq: 29 Nov 2021 19:18

Tgt Ion: 59 Resp: 464
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.673 ug/l

RT: 2.251 min Scan# 191

Delta R.T. 0.018 min

Lab File: VX025380.D

Acq: 29 Nov 2021 19:18

Instrument :

MSVOA_X

ClientSampleId :

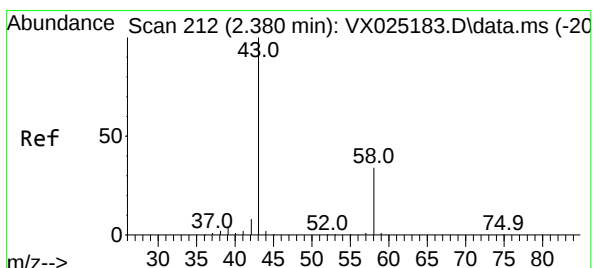
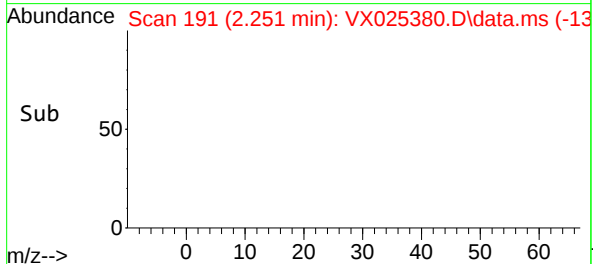
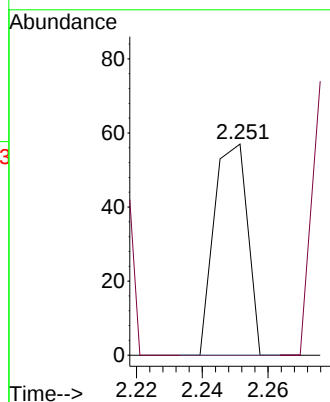
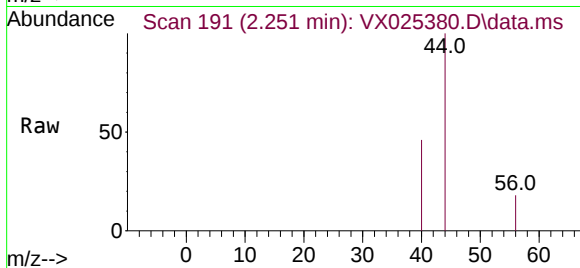
20936

Tgt Ion: 56 Resp: 40

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#



#16

Acetone

Concen: 200.846 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025380.D

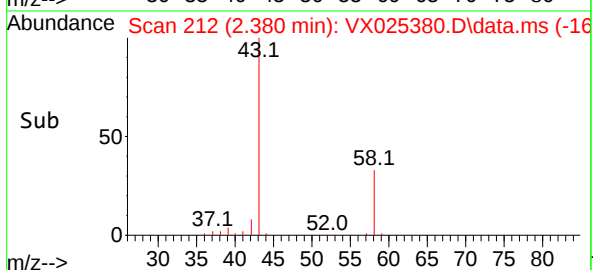
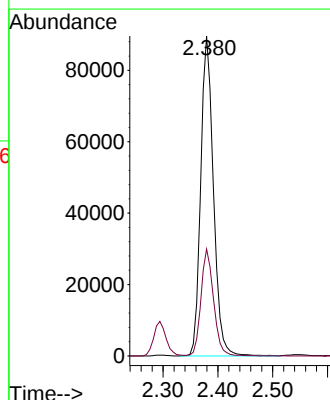
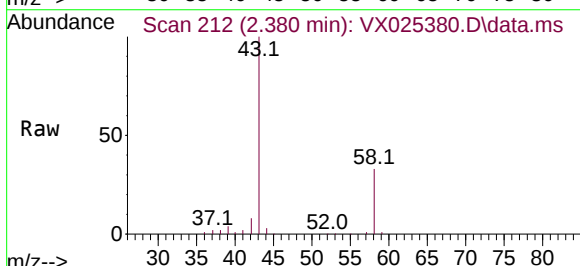
Acq: 29 Nov 2021 19:18

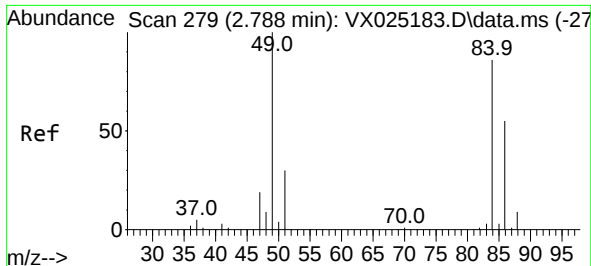
Tgt Ion: 43 Resp: 144767

Ion Ratio Lower Upper

43 100

58 33.4 24.0 36.0





#20

Methylene Chloride

Concen: 0.248 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX025380.D

Acq: 29 Nov 2021 19:18

Instrument :

MSVOA_X

ClientSampleId :

20936

Tgt Ion: 84 Resp: 336

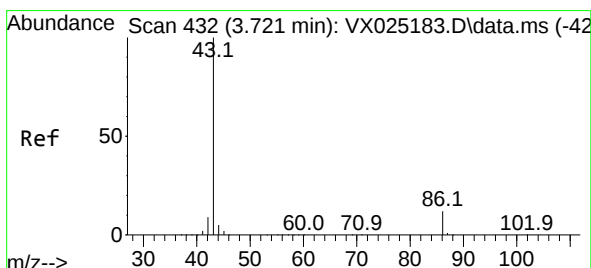
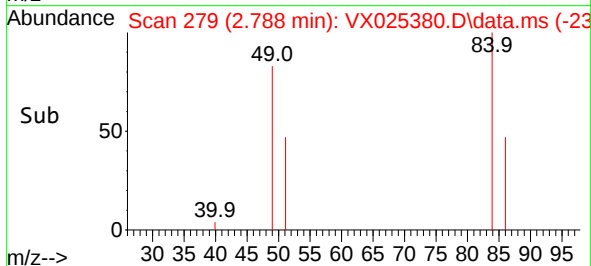
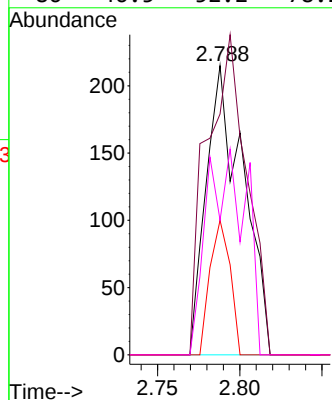
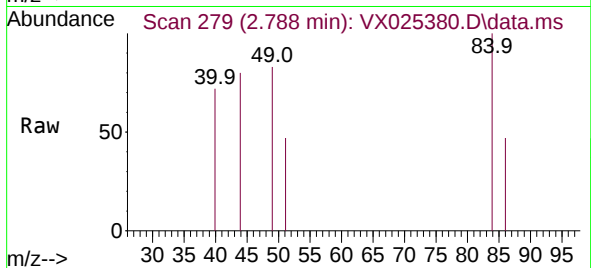
Ion Ratio Lower Upper

84 100

49 83.3 98.2 147.2#

51 46.5 30.2 45.4#

86 46.5 52.2 78.2#



#23

Vinyl Acetate

Concen: 0.489 ug/l

RT: 3.861 min Scan# 455

Delta R.T. 0.140 min

Lab File: VX025380.D

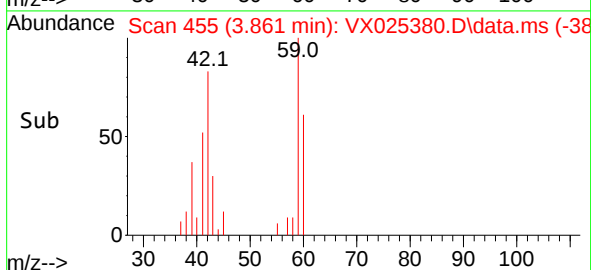
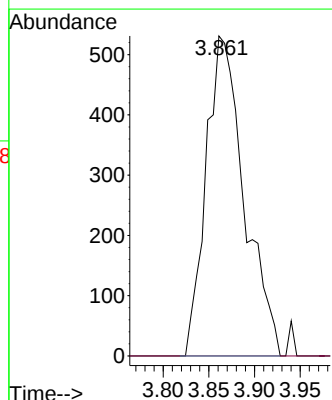
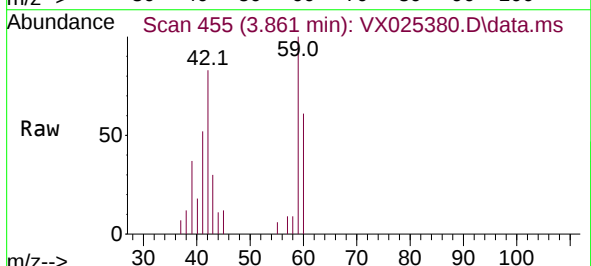
Acq: 29 Nov 2021 19:18

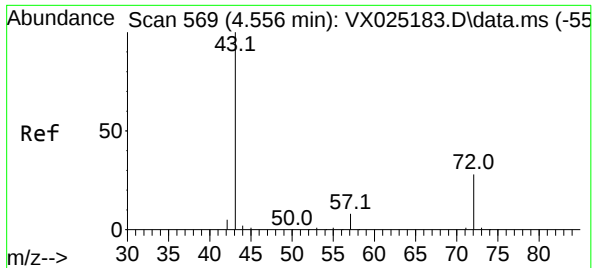
Tgt Ion: 43 Resp: 1545

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.4#

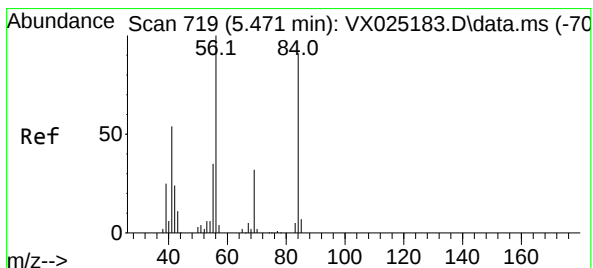
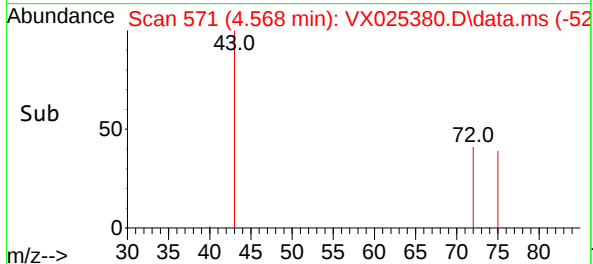
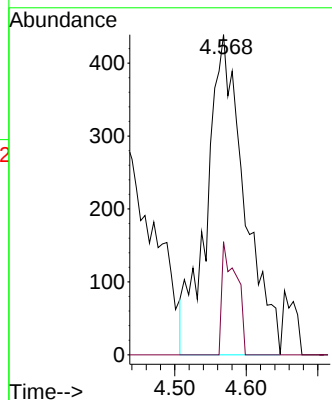
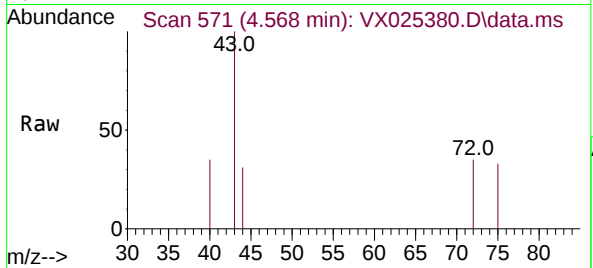




#25
2-Butanone
Concen: 1.544 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX025380.D
Acq: 29 Nov 2021 19:18

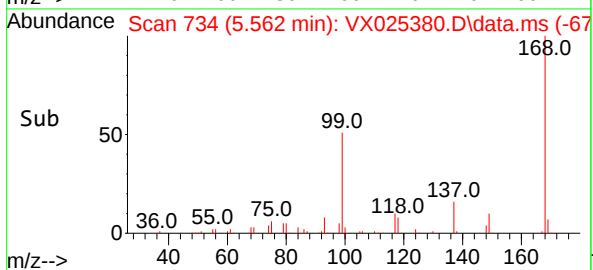
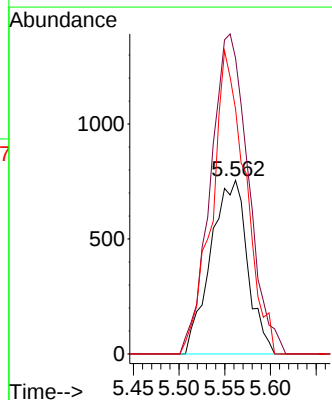
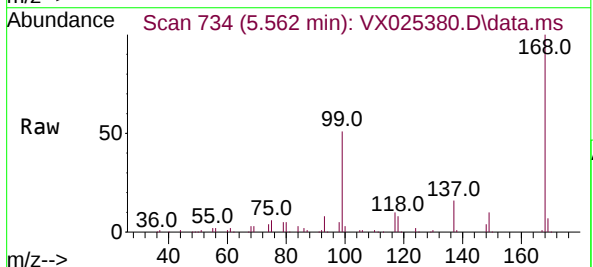
Instrument :
MSVOA_X
ClientSampleId :
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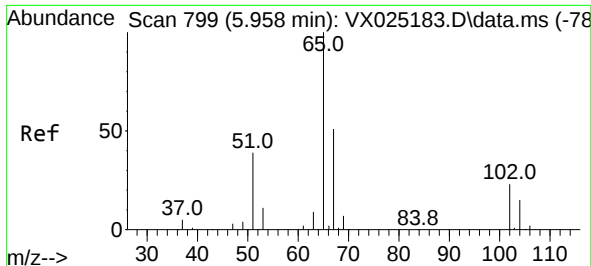
Tgt Ion: 43 Resp: 1609
Ion Ratio Lower Upper
43 100
72 35.3 21.2 31.8#



#31
Cyclohexane
Concen: 1.055 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.091 min
Lab File: VX025380.D
Acq: 29 Nov 2021 19:18

Tgt Ion: 56 Resp: 2115
Ion Ratio Lower Upper
56 100
69 170.3 24.2 36.2#
84 141.1 71.5 107.3#

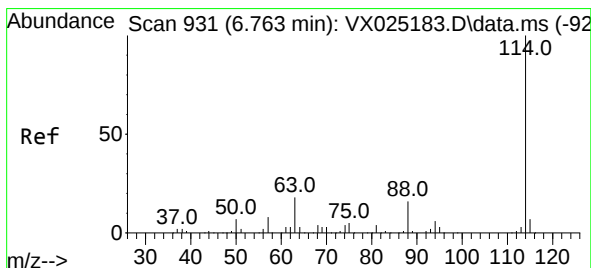
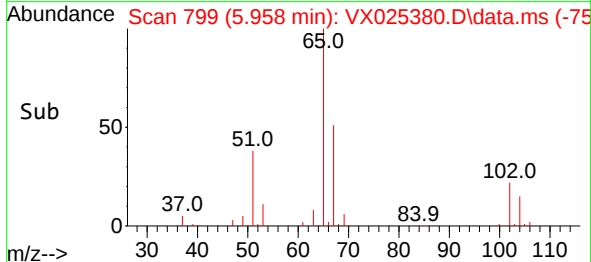
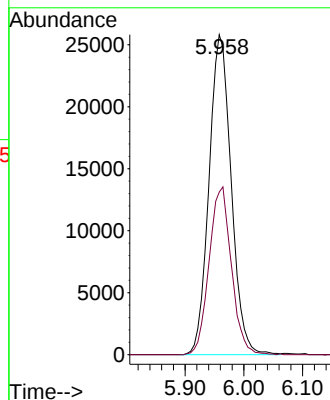
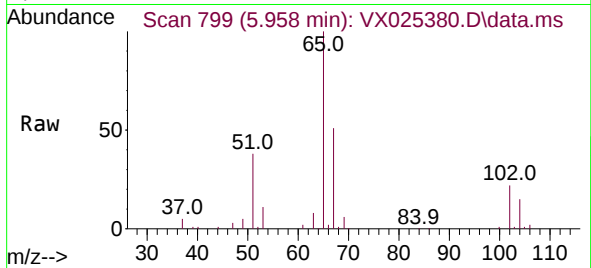




#33
 1,2-Dichloroethane-d4
 Concen: 52.250 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX025380.D
 Acq: 29 Nov 2021 19:18

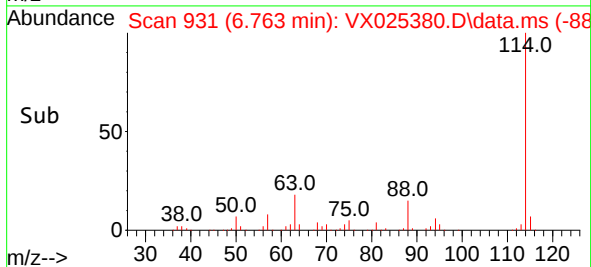
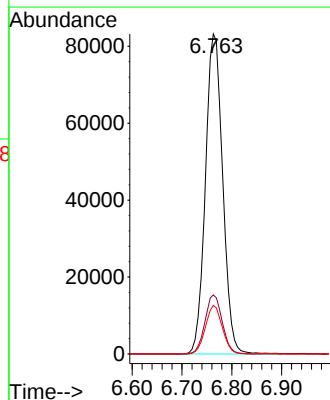
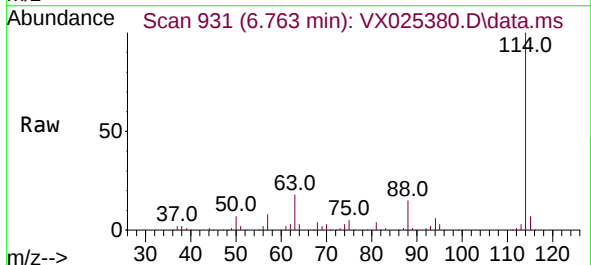
Instrument :
 MSVOA_X
 ClientSampleId :
 20936

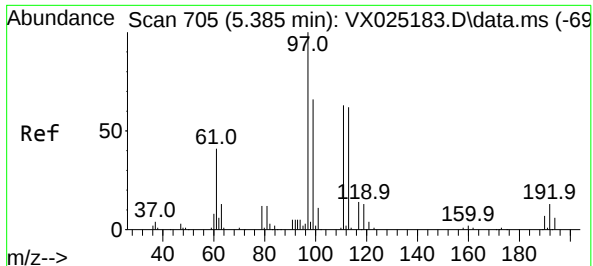
Tgt Ion: 65 Resp: 67777
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX025380.D
 Acq: 29 Nov 2021 19:18

Tgt Ion: 114 Resp: 200482
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 41.0
 88 15.2 0.0 34.8





#35

Dibromofluoromethane

Concen: 49.761 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX025380.D

Acq: 29 Nov 2021 19:18

Instrument :

MSVOA_X

ClientSampleId :

20936

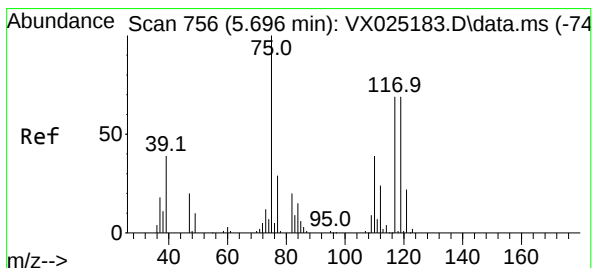
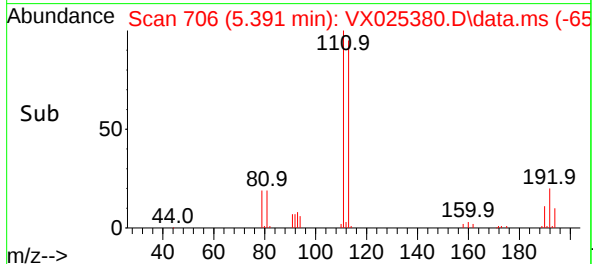
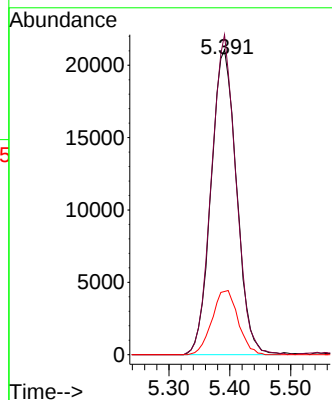
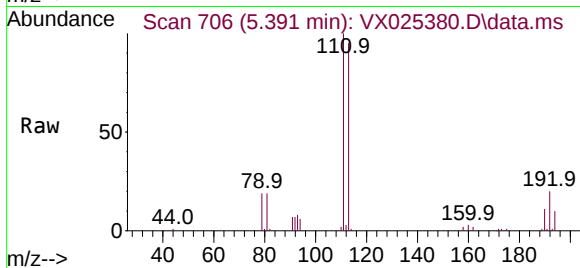
Tgt Ion:113 Resp: 61211

Ion Ratio Lower Upper

113 100

111 101.5 82.1 123.1

192 21.5 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.754 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025380.D

Acq: 29 Nov 2021 19:18

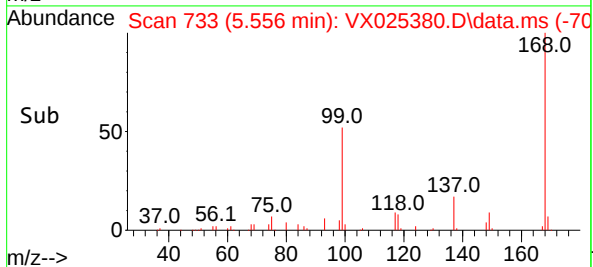
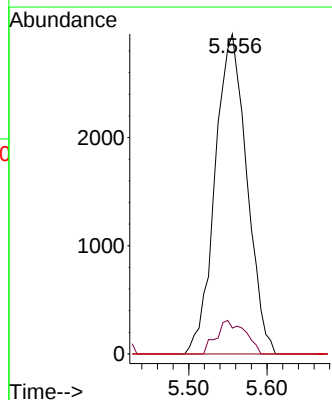
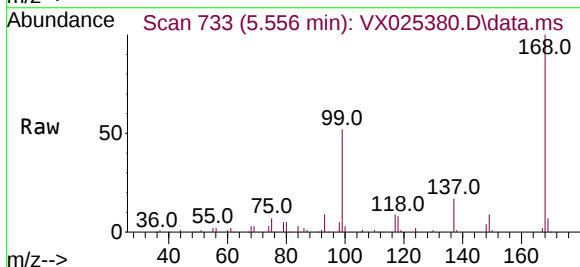
Tgt Ion: 75 Resp: 8316

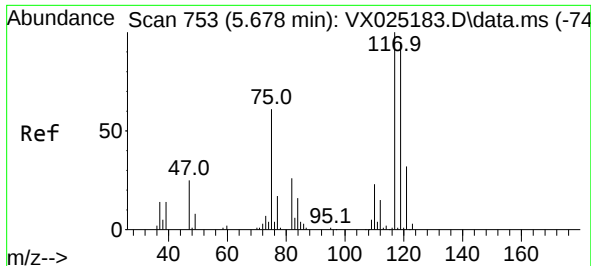
Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.3#

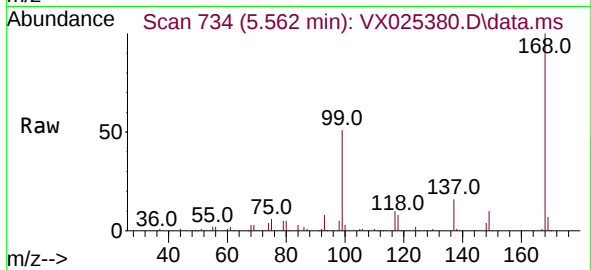
77 0.0 24.4 36.6#



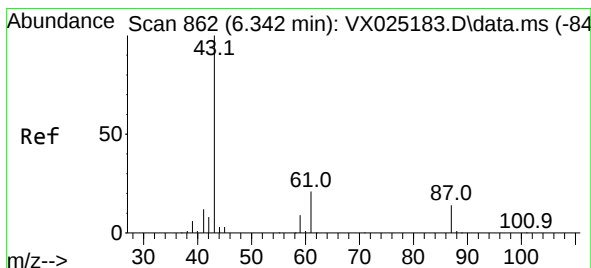
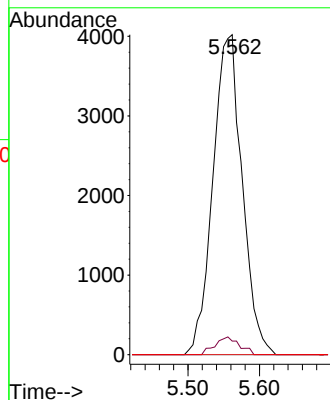
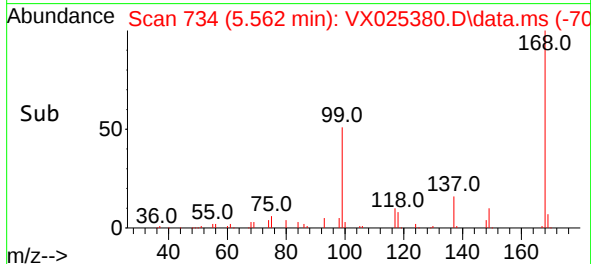


#38
Carbon Tetrachloride
Concen: 5.924 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX025380.D
Acq: 29 Nov 2021 19:18

Instrument :
MSVOA_X
ClientSampleId :
20936

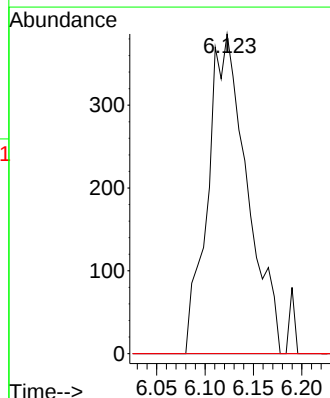
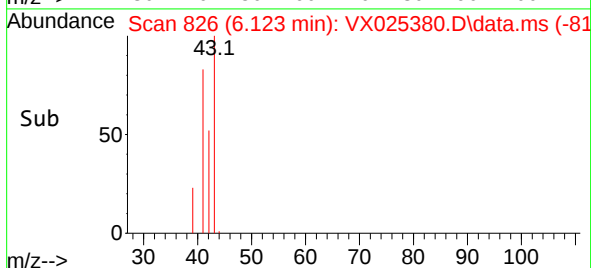
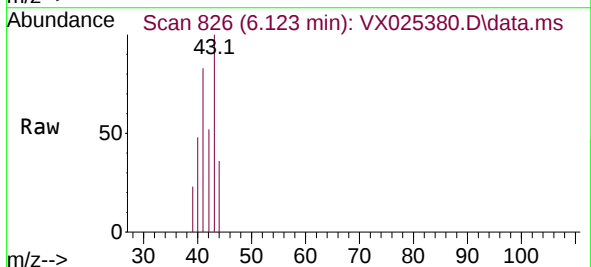


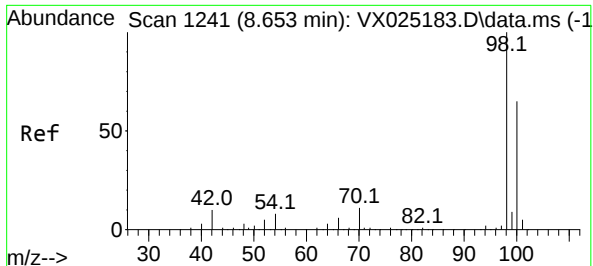
Tgt Ion:117 Resp: 11413
Ion Ratio Lower Upper
117 100
119 4.2 75.6 113.4#
121 0.0 23.7 35.5#



#43
Isopropyl Acetate
Concen: 0.330 ug/l
RT: 6.123 min Scan# 826
Delta R.T. -0.219 min
Lab File: VX025380.D
Acq: 29 Nov 2021 19:18

Tgt Ion: 43 Resp: 1094
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.9 16.3#

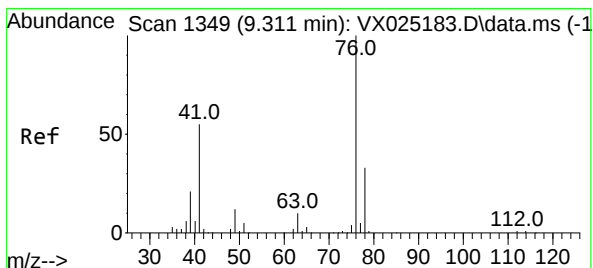
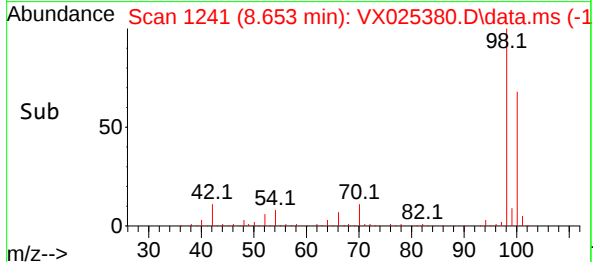
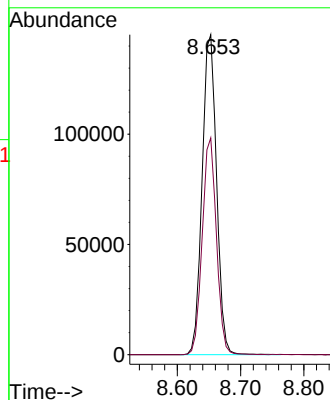
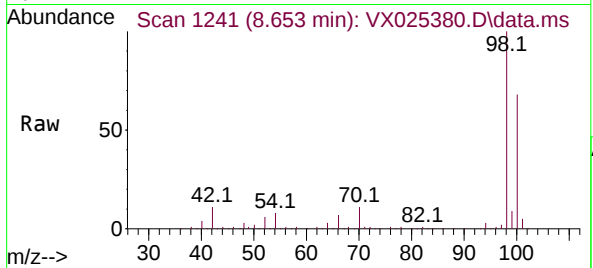




#50
Toluene-d8
Concen: 49.935 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025380.D
Acq: 29 Nov 2021 19:18

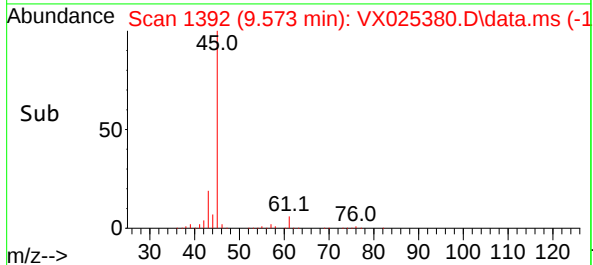
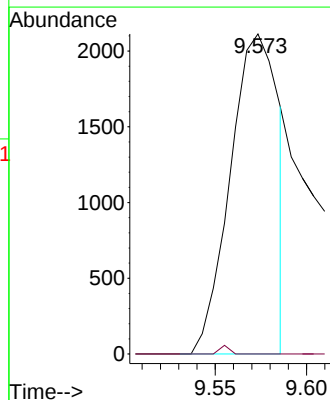
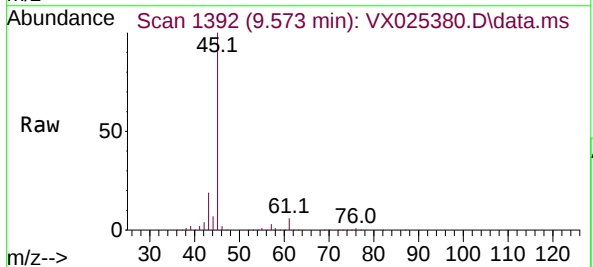
Instrument :
MSVOA_X
ClientSampleId :
20936

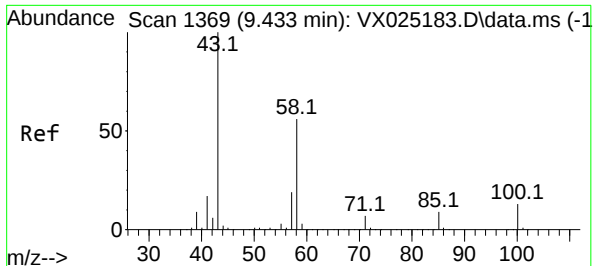
Tgt Ion: 98 Resp: 230947
Ion Ratio Lower Upper
98 100
100 66.5 51.4 77.0



#57
1,3-Dichloropropane
Concen: 1.704 ug/l
RT: 9.573 min Scan# 1392
Delta R.T. 0.262 min
Lab File: VX025380.D
Acq: 29 Nov 2021 19:18

Tgt Ion: 76 Resp: 3884
Ion Ratio Lower Upper
76 100
78 0.5 25.8 38.8#





#59

2-Hexanone

Concen: 144.475 ug/l

RT: 9.573 min Scan# 1392

Delta R.T. 0.140 min

Lab File: VX025380.D

Acq: 29 Nov 2021 19:18

Instrument :

MSVOA_X

ClientSampleId :

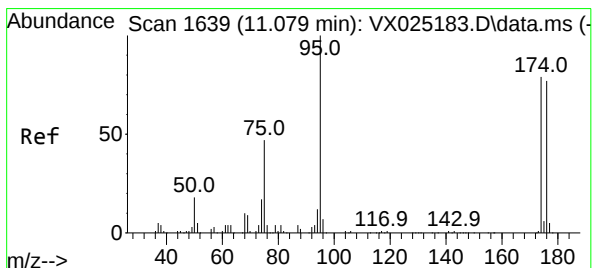
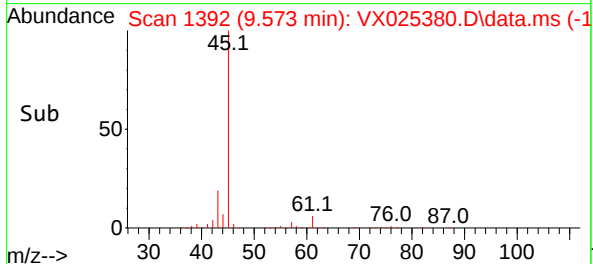
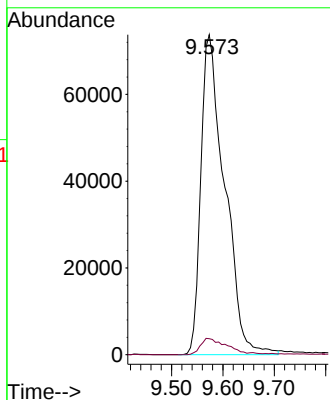
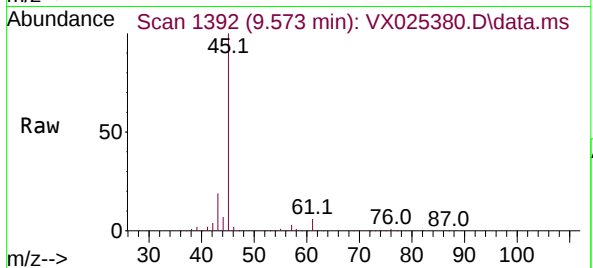
20936

Tgt Ion: 43 Resp: 236542

Ion Ratio Lower Upper

43 100

58 5.8 26.6 79.7#



#62

4-Bromofluorobenzene

Concen: 47.750 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX025380.D

Acq: 29 Nov 2021 19:18

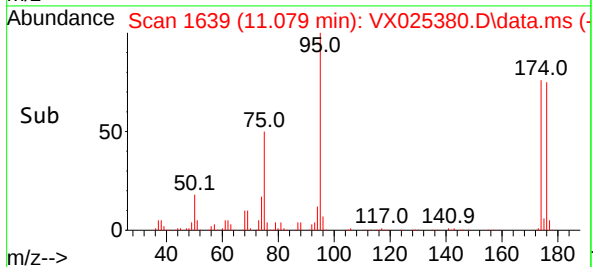
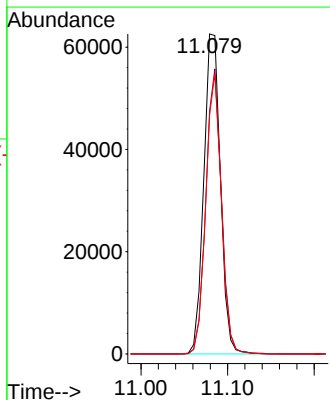
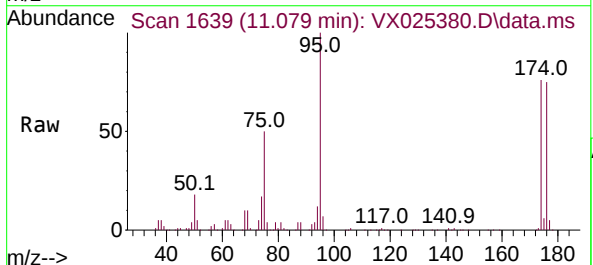
Tgt Ion: 95 Resp: 83548

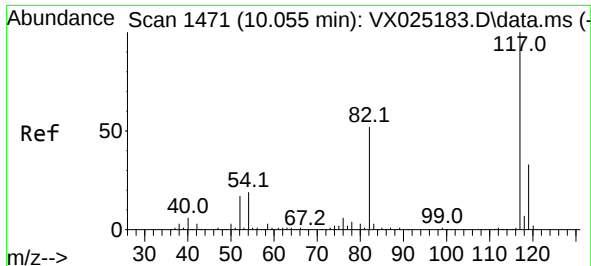
Ion Ratio Lower Upper

95 100

174 83.4 0.0 158.0

176 82.1 0.0 153.6

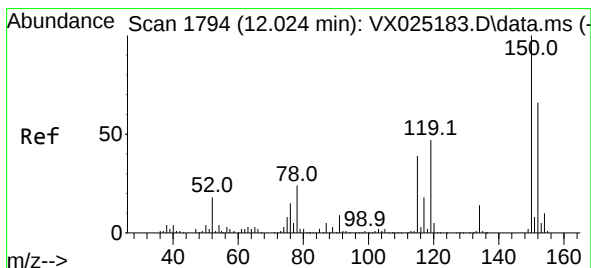
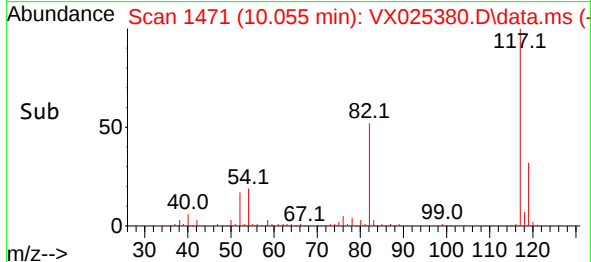
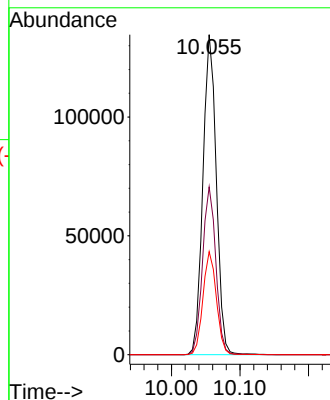
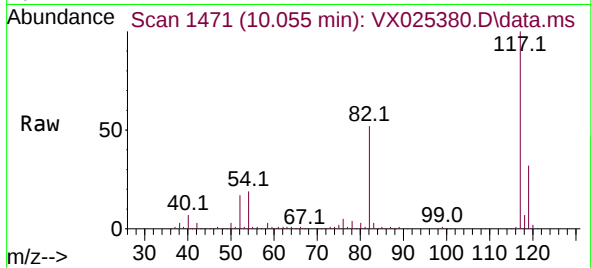




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025380.D
Acq: 29 Nov 2021 19:18

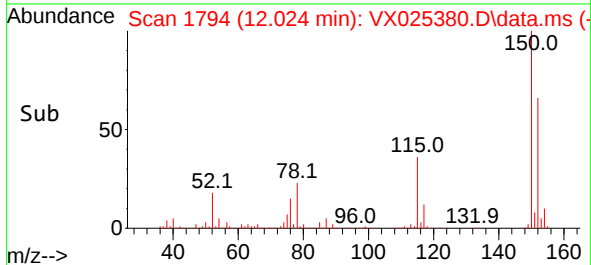
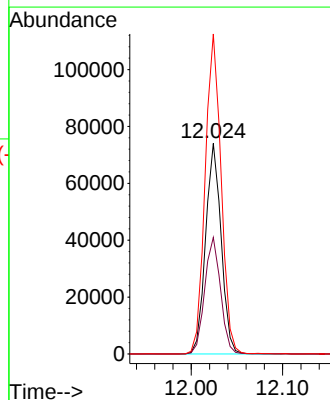
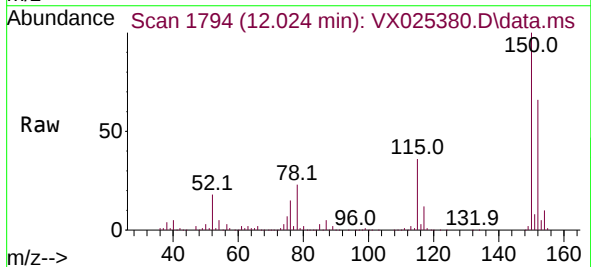
Instrument :
MSVOA_X
ClientSampleId :
20936

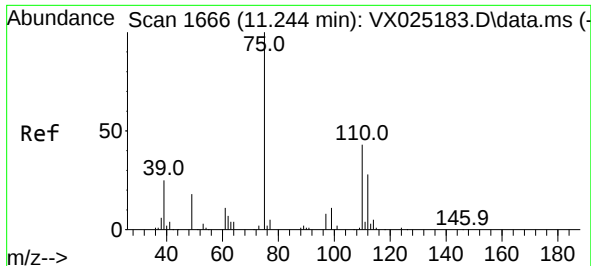
Tgt Ion:117 Resp: 183690
Ion Ratio Lower Upper
117 100
82 52.4 44.6 67.0
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025380.D
Acq: 29 Nov 2021 19:18

Tgt Ion:152 Resp: 87112
Ion Ratio Lower Upper
152 100
115 56.4 43.3 129.8
150 156.0 0.0 351.2

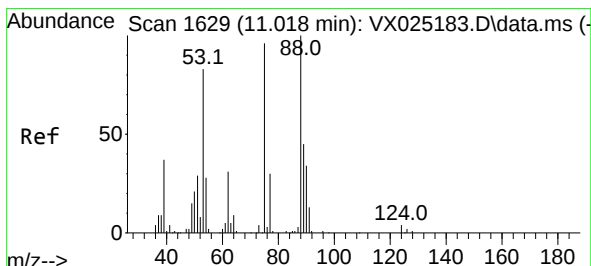
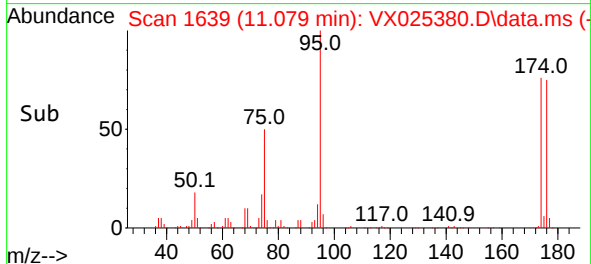
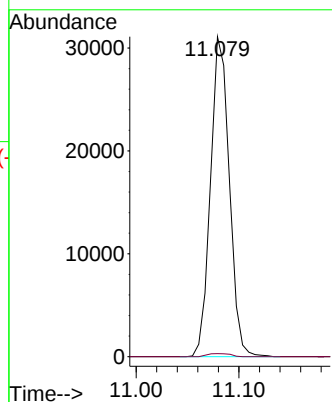
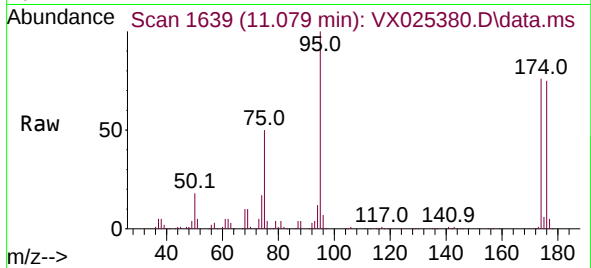




#76
1,2,3-Trichloropropane
Concen: 22.182 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025380.D
Acq: 29 Nov 2021 19:18

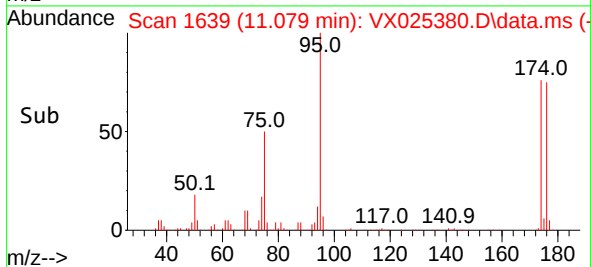
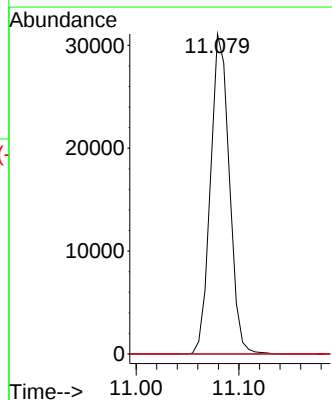
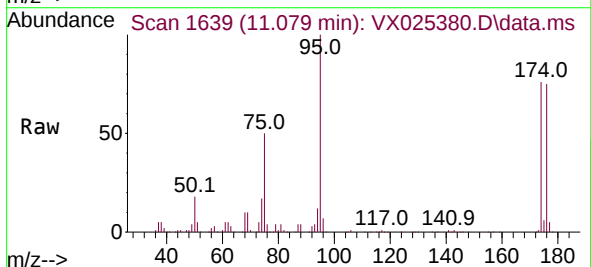
Instrument :
MSVOA_X
ClientSampleId :
20936

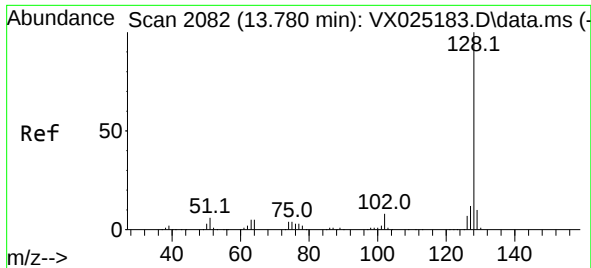
Tgt Ion: 75 Resp: 39570
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.880 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025380.D
Acq: 29 Nov 2021 19:18

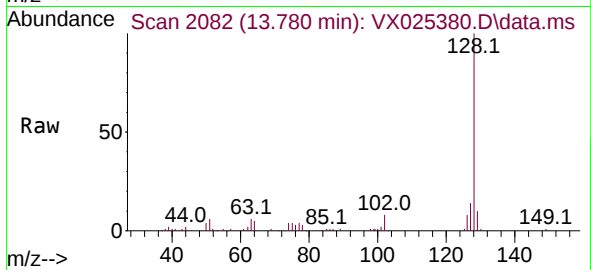
Tgt Ion: 75 Resp: 39570
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#





#95
Naphthalene
Concen: 2.764 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025380.D
Acq: 29 Nov 2021 19:18

Instrument :
MSVOA_X
ClientSampleId :
20936



Tgt Ion:128 Resp: 18331
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.8 13.2

