

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025382.D
 Acq On : 29 Nov 2021 20:05
 Operator : JC/MD
 Sample : M4837-18 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20873

Quant Time: Nov 30 04:05:02 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)

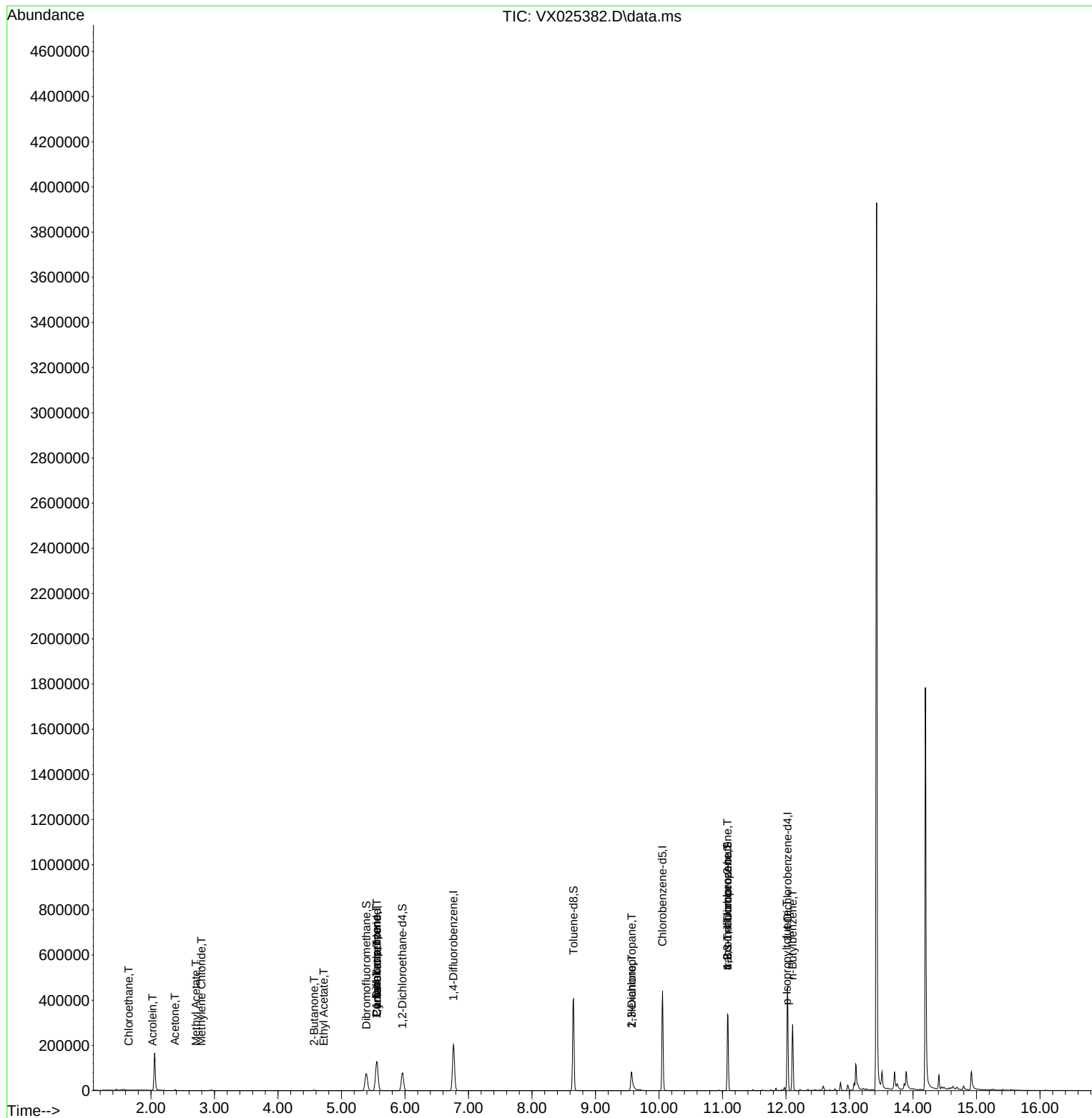
Internal Standards						
1) Pentafluorobenzene	5.556	168	133403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	216233	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73034	51.939	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.880%			
35) Dibromofluoromethane	5.391	113	66275	49.954	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.900%			
50) Toluene-d8	8.653	98	249206	49.958	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.920%			
62) 4-Bromofluorobenzene	11.079	95	90892	48.164	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.320%			
Target Compounds						Qvalue
6) Chloroethane	1.648	64	430	0.396	ug/l #	43
11) Tert butyl alcohol	2.947	59	1629	Below Cal	#	72
13) Acrolein	2.026	56	45	0.699	ug/l #	79
16) Acetone	2.380	43	3773	4.829	ug/l	92
18) Methyl Acetate	2.709	43	512	0.205	ug/l #	52
20) Methylene Chloride	2.794	84	339	0.231	ug/l	85
25) 2-Butanone	4.568	43	1300	1.151	ug/l	96
31) Cyclohexane	5.556	56	2380	1.095	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8861	4.697	ug/l #	50
37) Ethyl Acetate	4.721	43	697	0.325	ug/l #	73
38) Carbon Tetrachloride	5.556	117	12358	5.947	ug/l #	16
57) 1,3-Dichloropropane	9.567	76	533	0.217	ug/l #	42
59) 2-Hexanone	9.567	43	28167	15.951	ug/l #	36
76) 1,2,3-Trichloropropane	11.079	75	43576	22.110	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	43576	55.699	ug/l #	9
86) p-Isopropyltoluene	12.012	119	4810	0.786	ug/l	92
89) n-Butylbenzene	12.104	91	2457	0.476	ug/l	74
95) Naphthalene	13.780	128	177	Below Cal	#	69

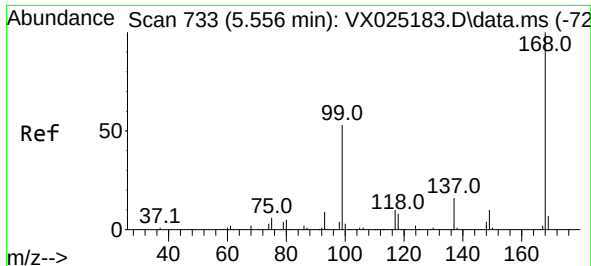
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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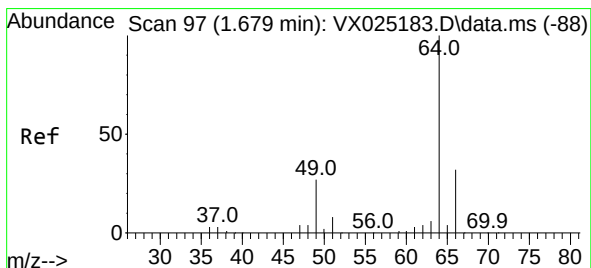
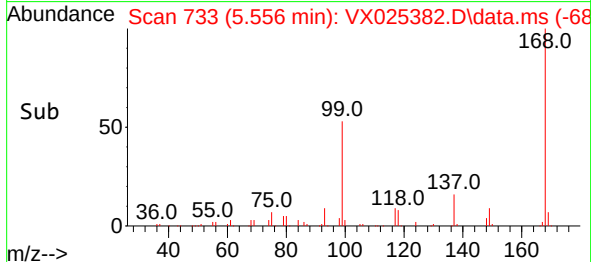
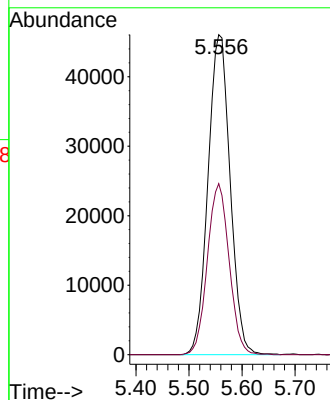
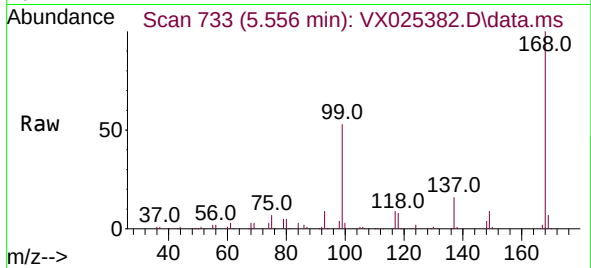




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

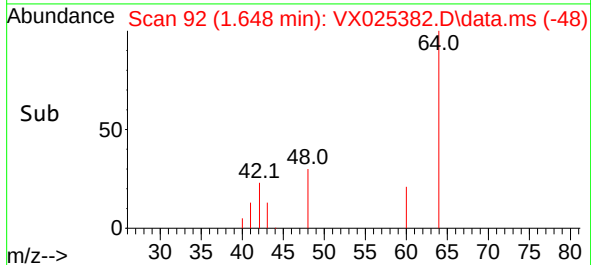
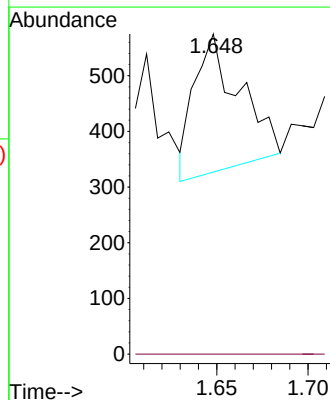
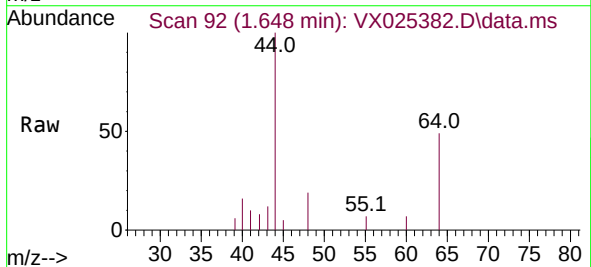
Instrument :
MSVOA_X
ClientSampleId :
20873

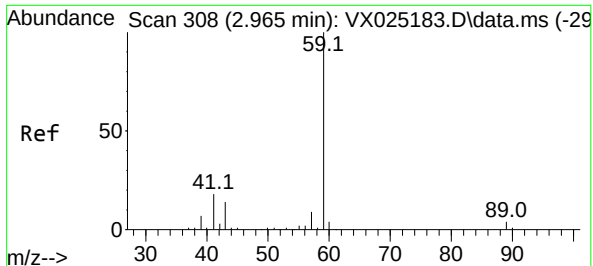
Tgt Ion:168 Resp: 133403
Ion Ratio Lower Upper
168 100
99 53.4 46.4 69.6



#6
Chloroethane
Concen: 0.396 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.031 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

Tgt Ion: 64 Resp: 430
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 30

Delta R.T. -0.018 min

Lab File: VX025382.D

Acq: 29 Nov 2021 20:05

Instrument :

MSVOA_X

ClientSampleId :

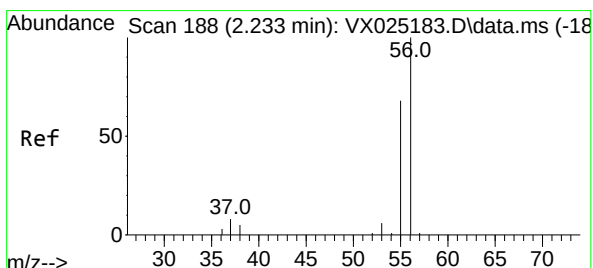
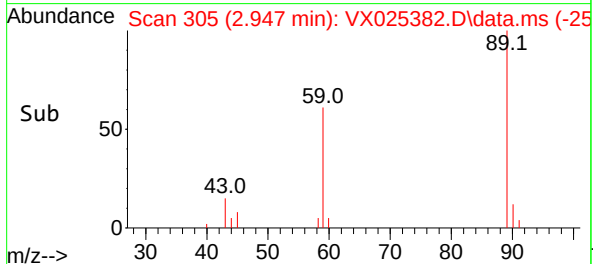
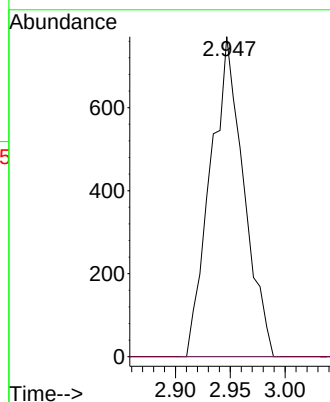
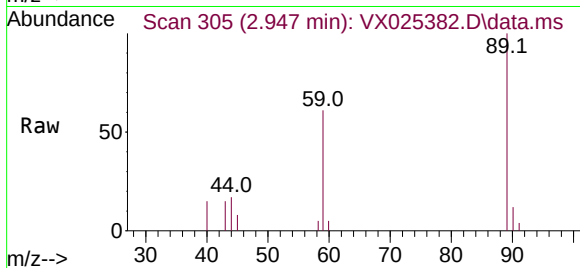
20873

Tgt Ion: 59 Resp: 1629

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.699 ug/l

RT: 2.026 min Scan# 154

Delta R.T. -0.207 min

Lab File: VX025382.D

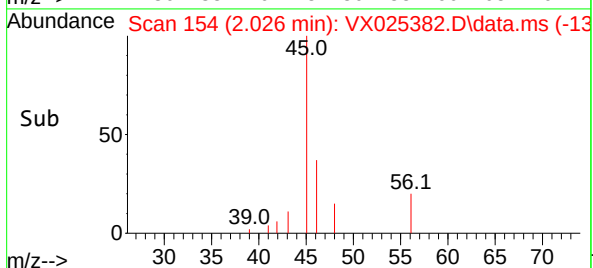
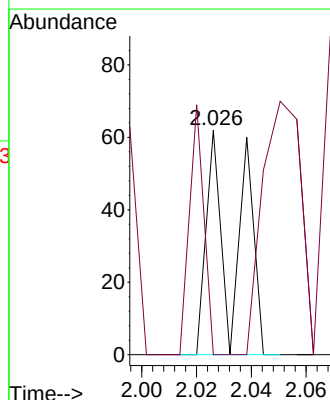
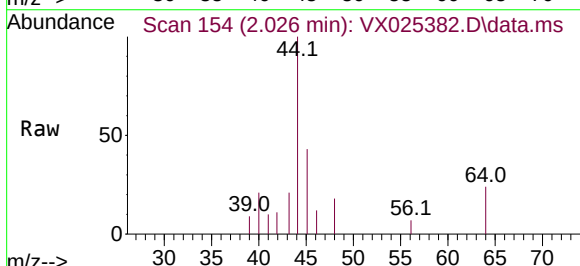
Acq: 29 Nov 2021 20:05

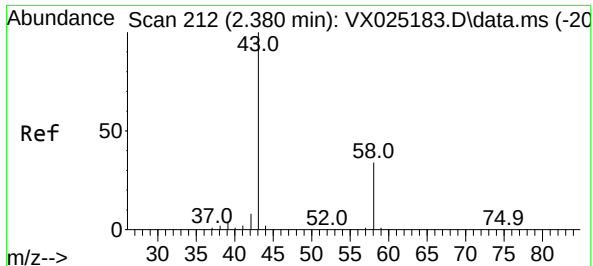
Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

56 100

55 55.6 58.6 87.8#

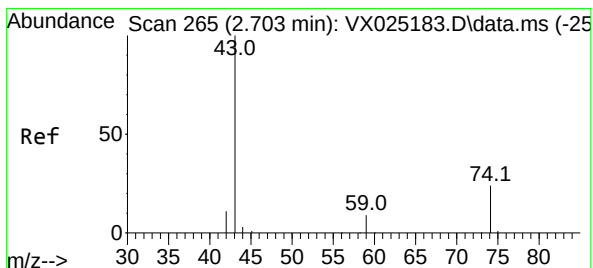
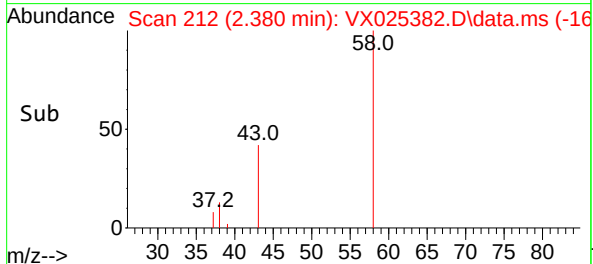
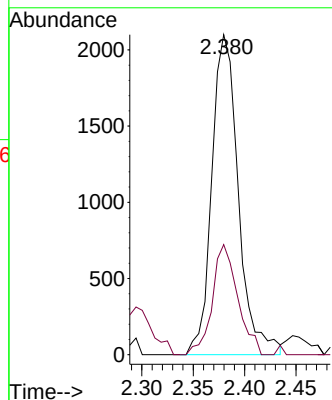
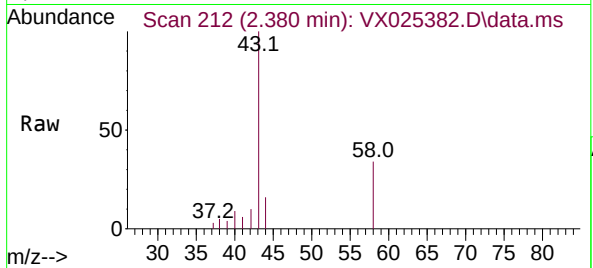




#16
Acetone
Concen: 4.829 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

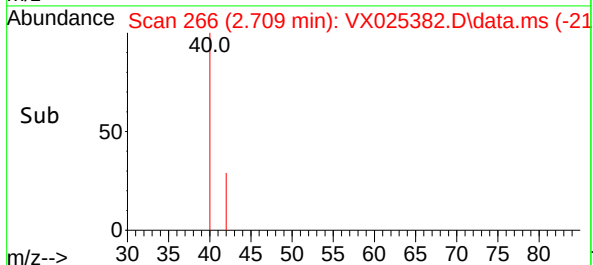
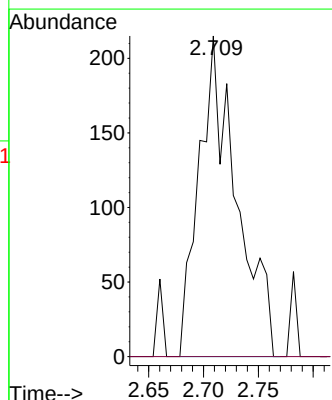
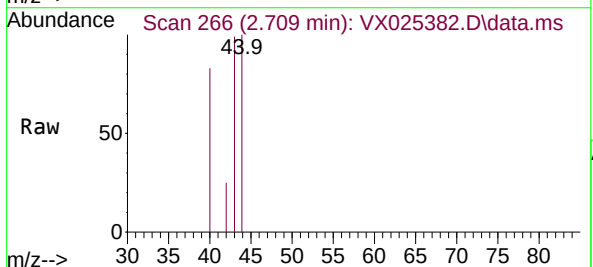
Instrument :
MSVOA_X
ClientSampleId :
20873

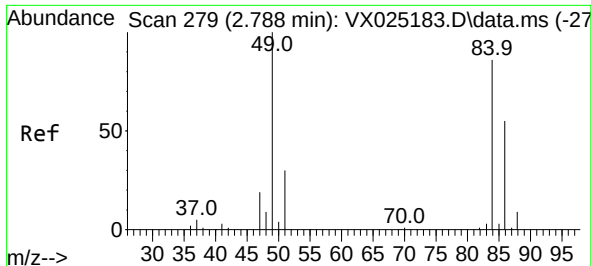
Tgt Ion: 43 Resp: 3773
Ion Ratio Lower Upper
43 100
58 34.4 24.0 36.0



#18
Methyl Acetate
Concen: 0.205 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

Tgt Ion: 43 Resp: 512
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#

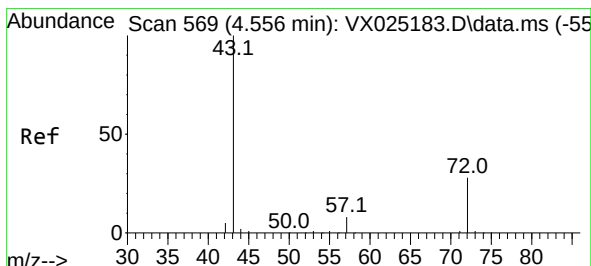
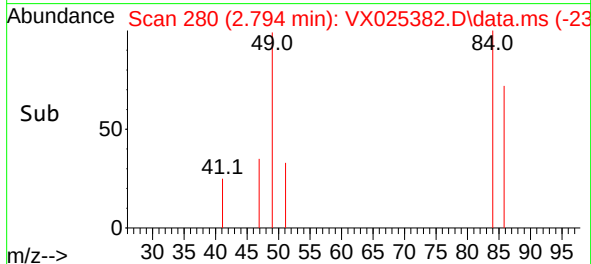
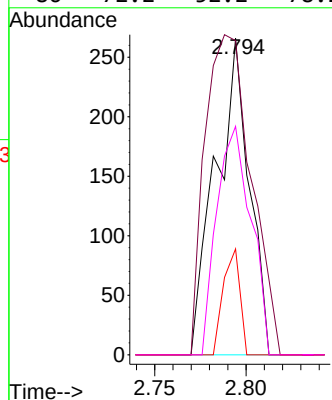
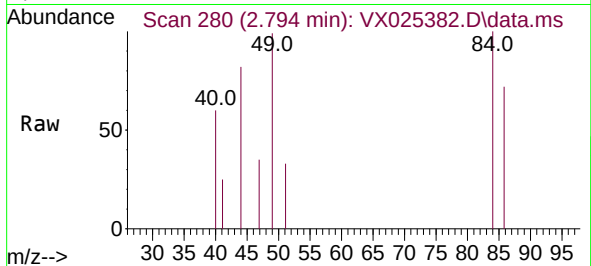




#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

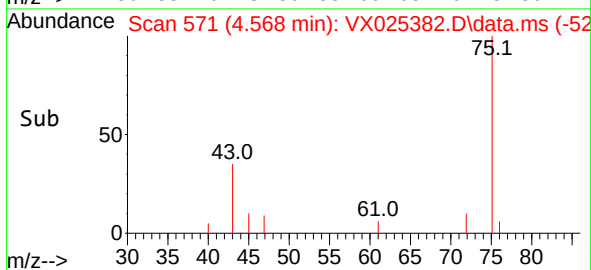
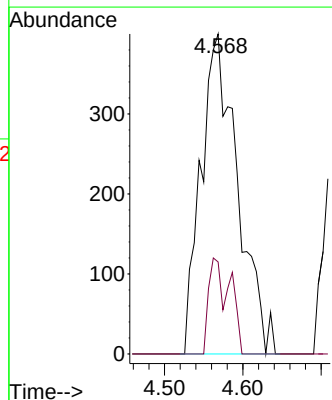
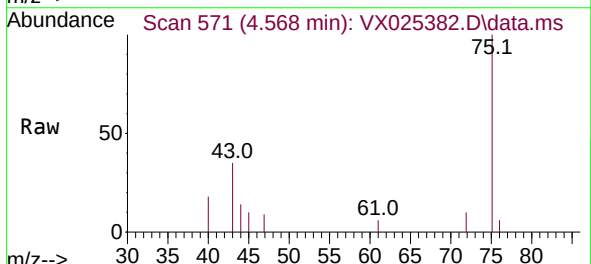
Instrument :
MSVOA_X
ClientSampleId :
20873

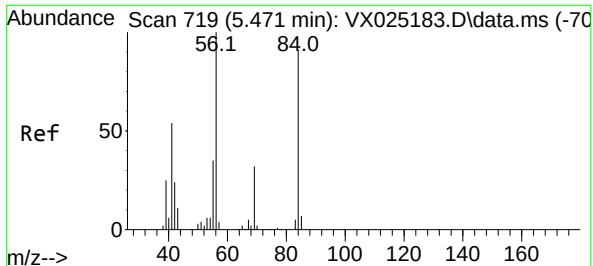
Tgt Ion: 84	Resp: 339
Ion Ratio	Lower Upper
84 100	
49 99.2	98.2 147.2
51 33.5	30.2 45.4
86 72.2	52.2 78.2



#25
2-Butanone
Concen: 1.151 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

Tgt Ion: 43	Resp: 1300		
Ion Ratio	Lower	Upper	
43	100		
72	28.7	21.2	31.8

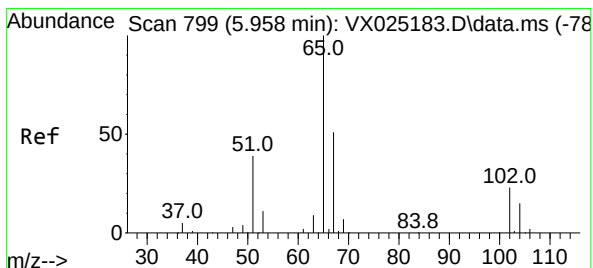
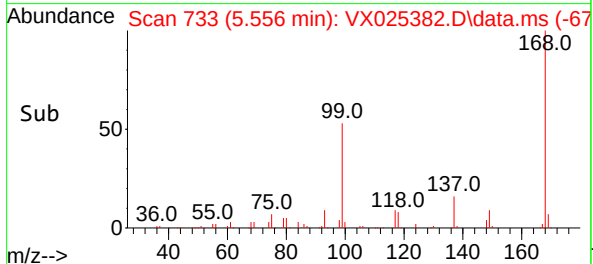
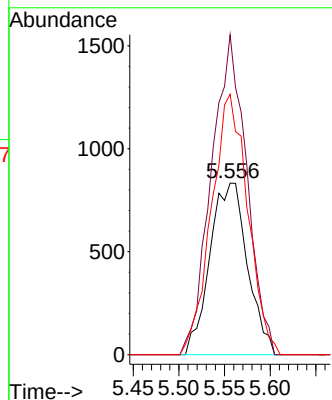
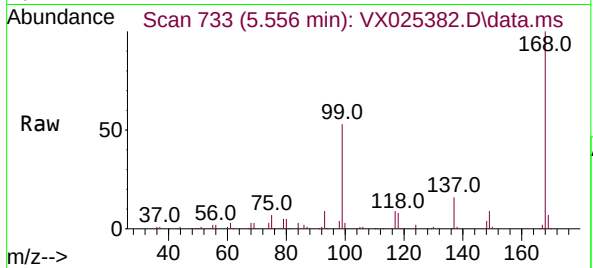




#31
Cyclohexane
Concen: 1.095 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

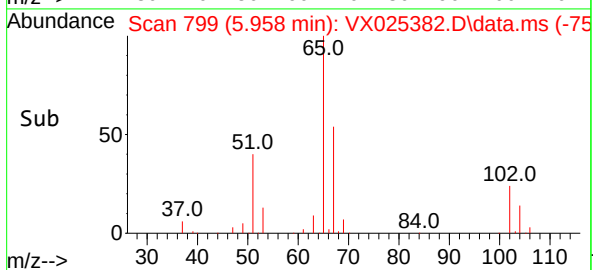
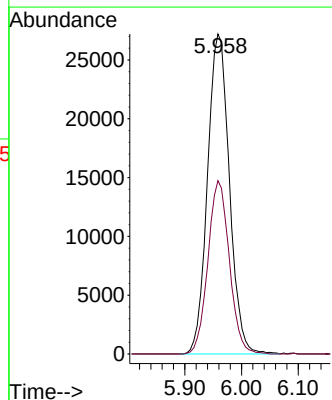
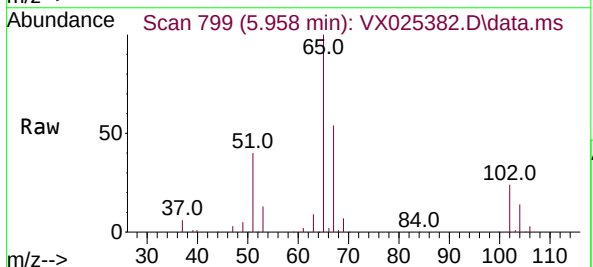
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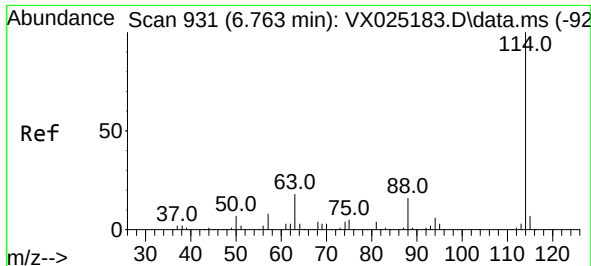
Tgt Ion: 56 Resp: 2380
Ion Ratio Lower Upper
56 100
69 186.6 24.2 36.2#
84 151.9 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 51.939 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

Tgt Ion: 65 Resp: 73034
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.0

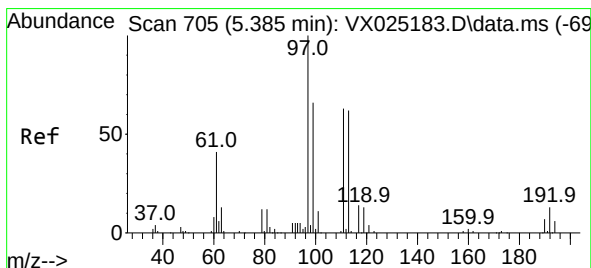
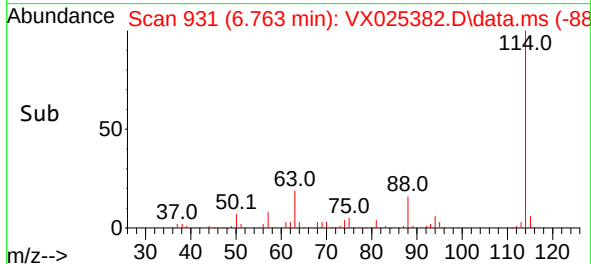
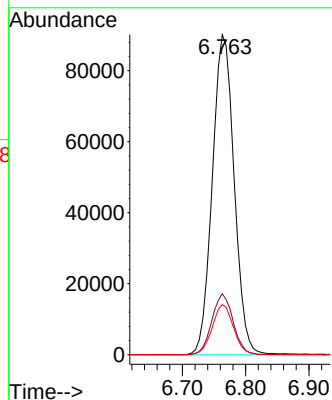
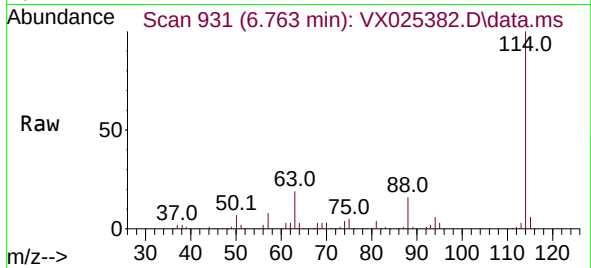




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

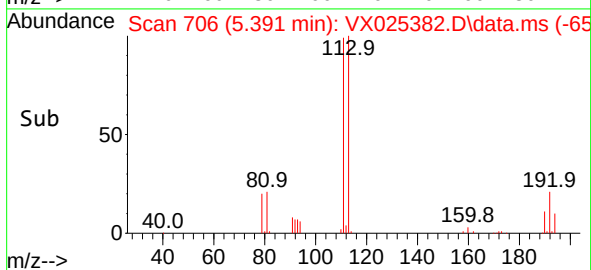
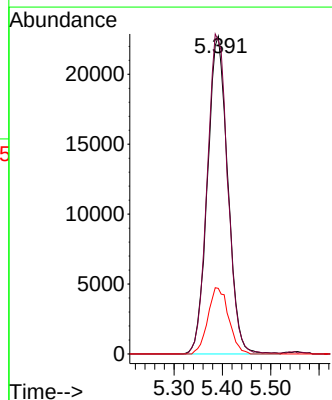
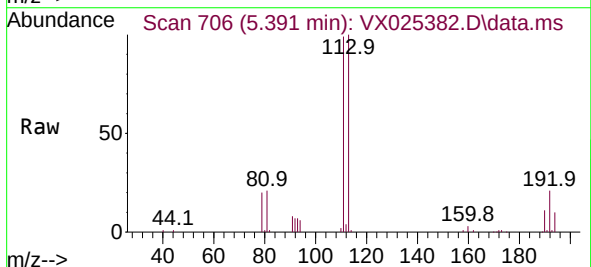
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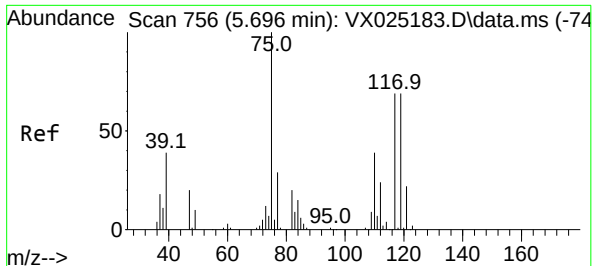
Tgt Ion:114 Resp: 216233
Ion Ratio Lower Upper
114 100
63 19.1 0.0 41.0
88 15.6 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.954 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

Tgt Ion:113 Resp: 66275
Ion Ratio Lower Upper
113 100
111 101.5 82.1 123.1
192 21.2 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.697 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX025382.D

Acq: 29 Nov 2021 20:05

Instrument :

MSVOA_X

ClientSampleId :

20873

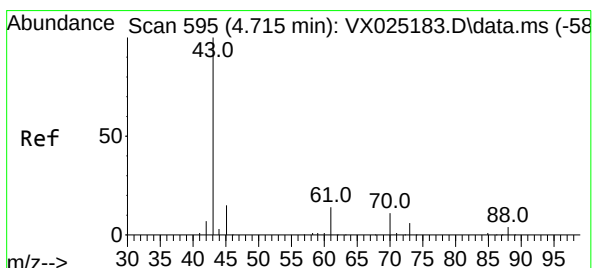
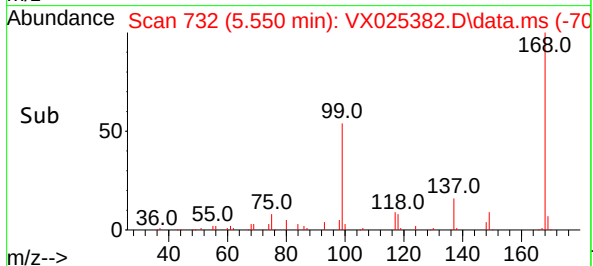
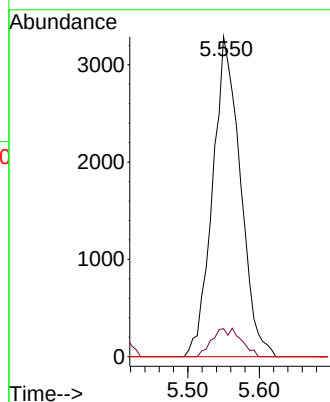
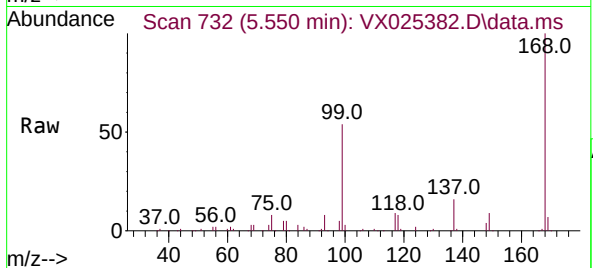
Tgt Ion: 75 Resp: 8861

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.3#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.325 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX025382.D

Acq: 29 Nov 2021 20:05

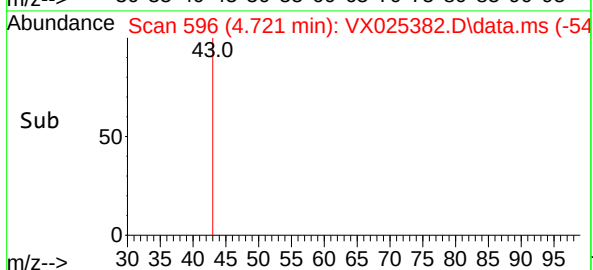
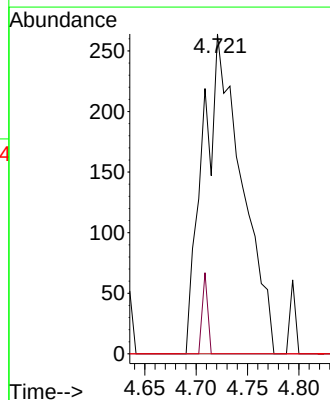
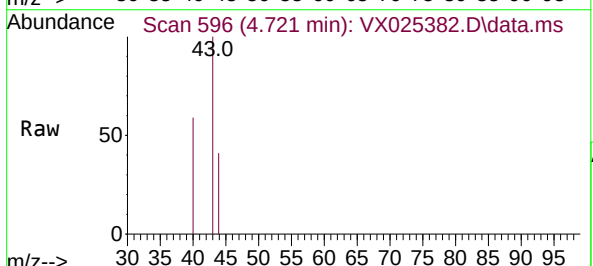
Tgt Ion: 43 Resp: 697

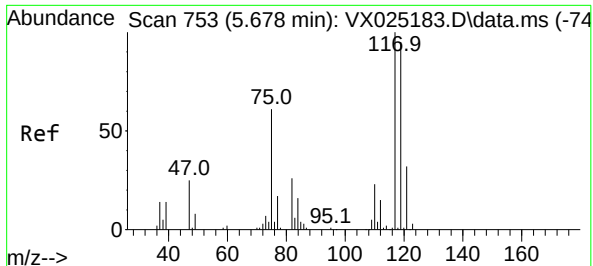
Ion Ratio Lower Upper

43 100

61 3.6 11.4 17.0#

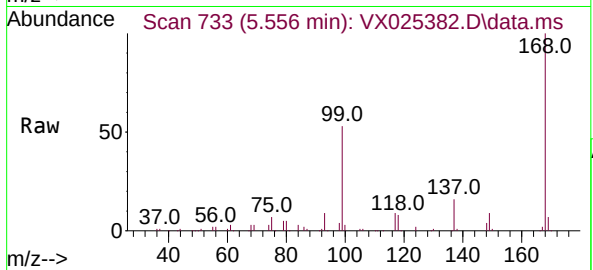
70 0.0 8.6 12.8#



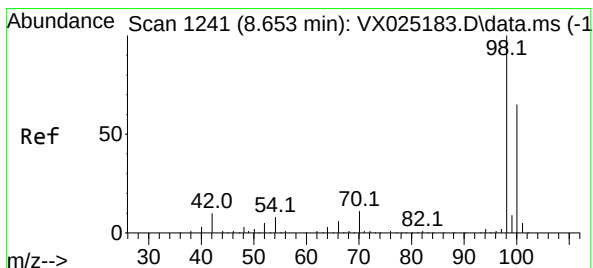
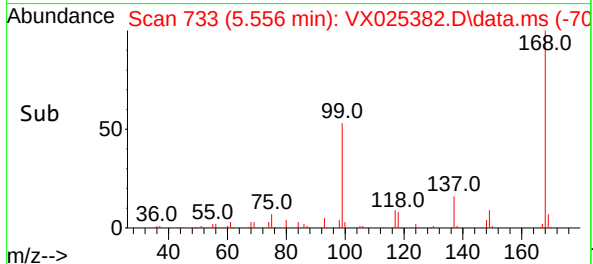
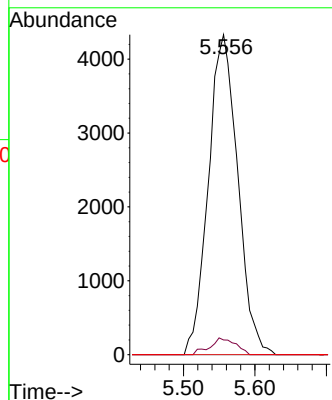


#38
Carbon Tetrachloride
Concen: 5.947 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

Instrument :
MSVOA_X
ClientSampleId :
20873

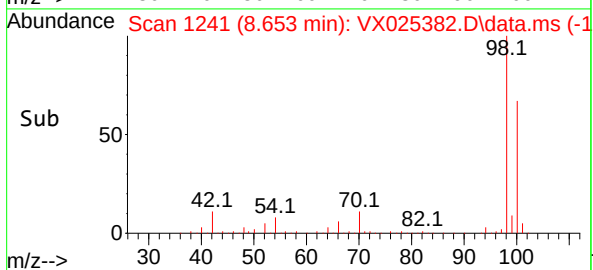
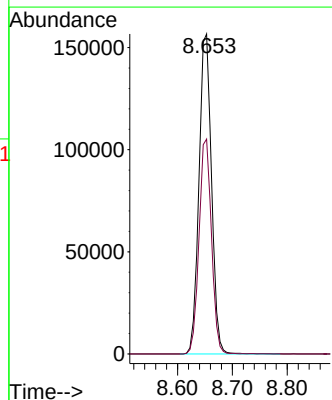
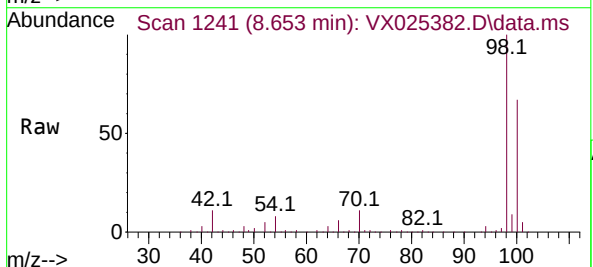


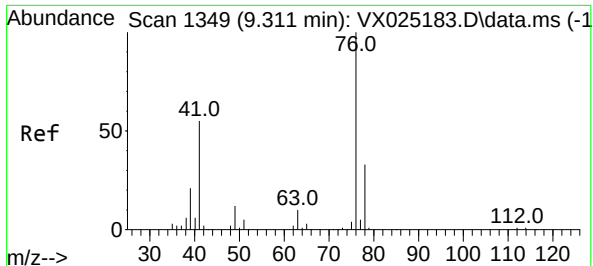
Tgt Ion:117 Resp: 12358
Ion Ratio Lower Upper
117 100
119 4.6 75.6 113.4#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 49.958 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

Tgt Ion: 98 Resp: 249206
Ion Ratio Lower Upper
98 100
100 66.8 51.4 77.0





#57

1,3-Dichloropropane

Concen: 0.217 ug/l

RT: 9.567 min Scan# 1391

Delta R.T. 0.256 min

Lab File: VX025382.D

Acq: 29 Nov 2021 20:05

Instrument :

MSVOA_X

ClientSampleId :

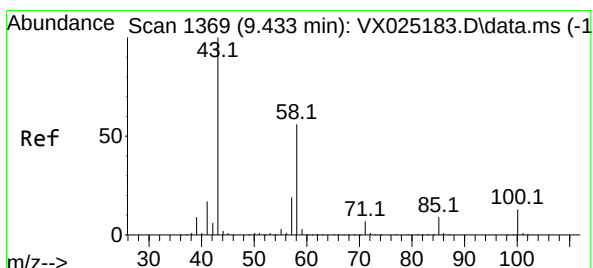
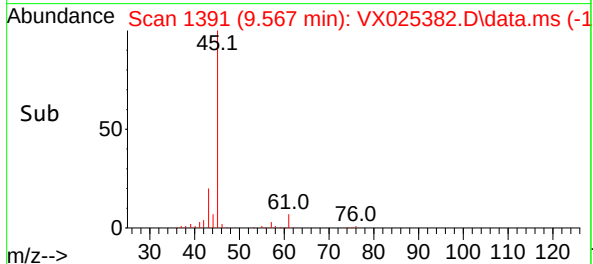
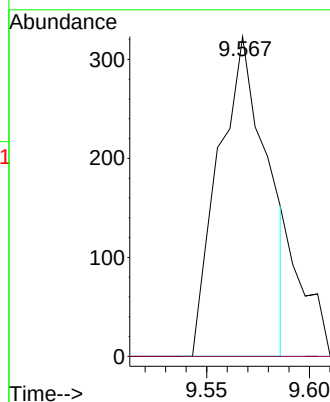
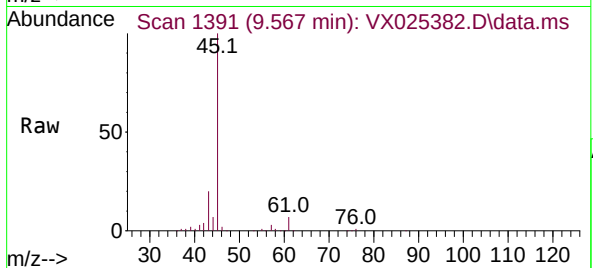
20873

Tgt Ion: 76 Resp: 533

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 15.951 ug/l

RT: 9.567 min Scan# 1391

Delta R.T. 0.134 min

Lab File: VX025382.D

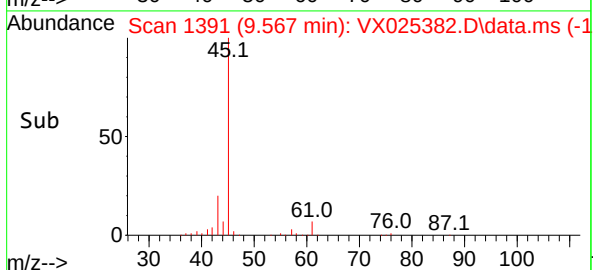
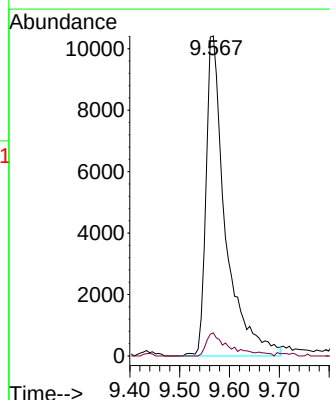
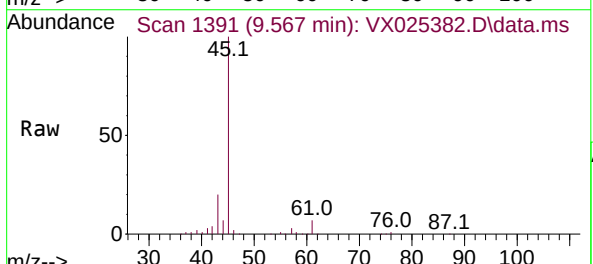
Acq: 29 Nov 2021 20:05

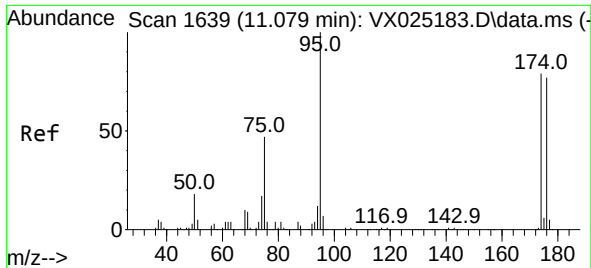
Tgt Ion: 43 Resp: 28167

Ion Ratio Lower Upper

43 100

58 7.9 26.6 79.7#

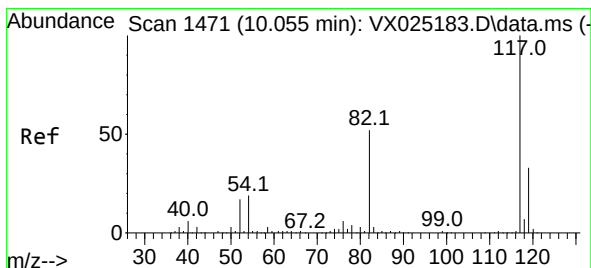
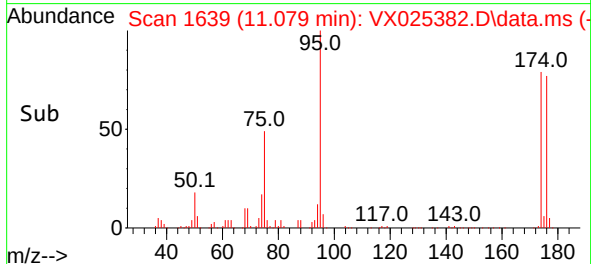
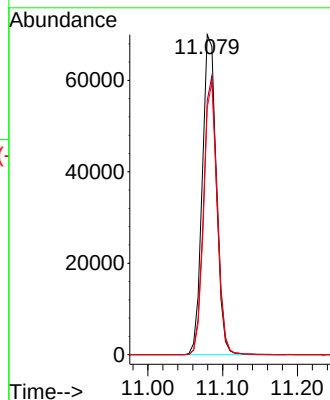
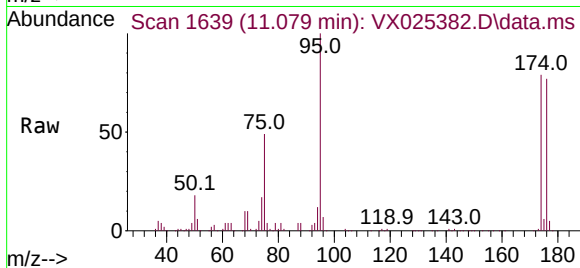




#62
4-Bromofluorobenzene
Concen: 48.164 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

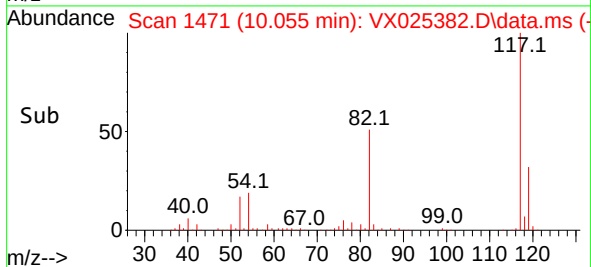
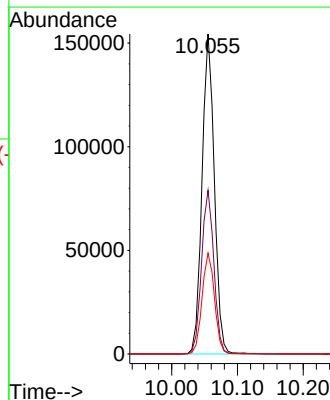
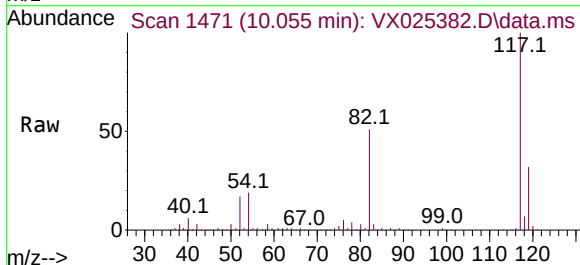
Instrument :
MSVOA_X
ClientSampleId :
20873

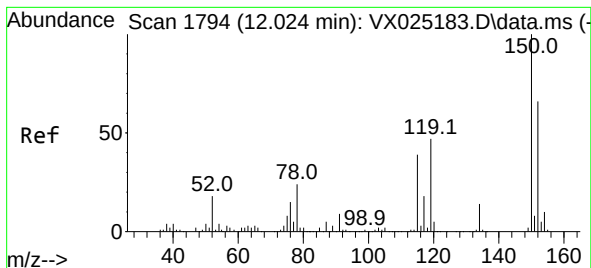
Tgt Ion: 95 Resp: 90892
Ion Ratio Lower Upper
95 100
174 85.9 0.0 158.0
176 82.0 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

Tgt Ion: 117 Resp: 200589
Ion Ratio Lower Upper
117 100
82 51.2 44.6 67.0
119 31.5 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: VX025382.D

Acq: 29 Nov 2021 20:05

Instrument :

MSVOA_X

ClientSampleId :

20873

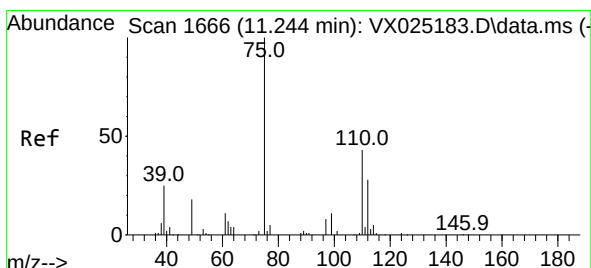
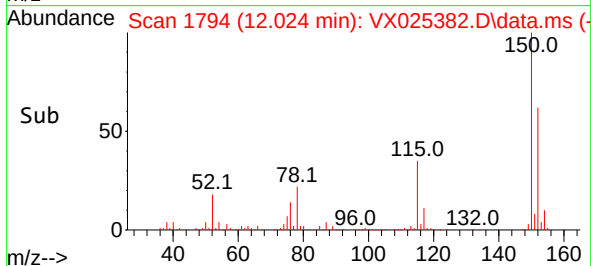
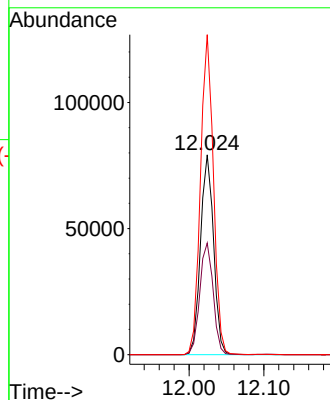
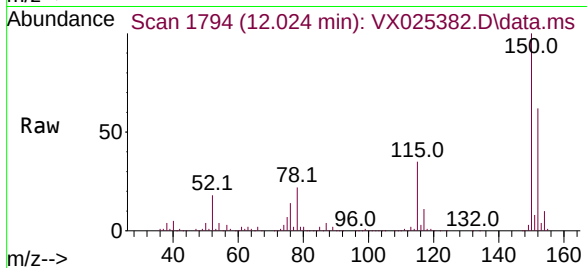
Tgt Ion:152 Resp: 96244

Ion Ratio Lower Upper

152 100

115 57.2 43.3 129.8

150 158.1 0.0 351.2



#76

1,2,3-Trichloropropane

Concen: 22.110 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025382.D

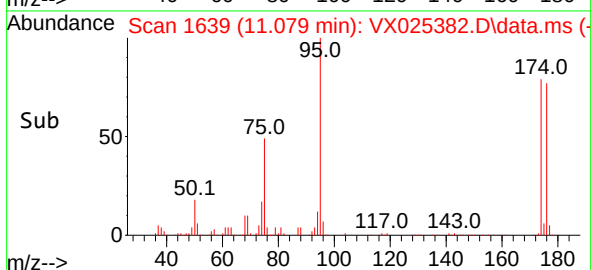
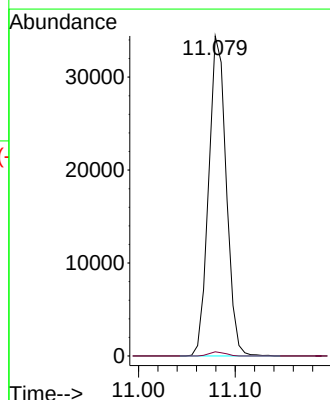
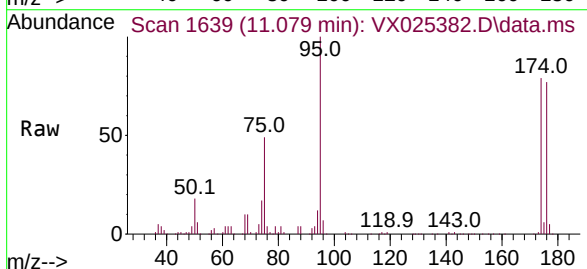
Acq: 29 Nov 2021 20:05

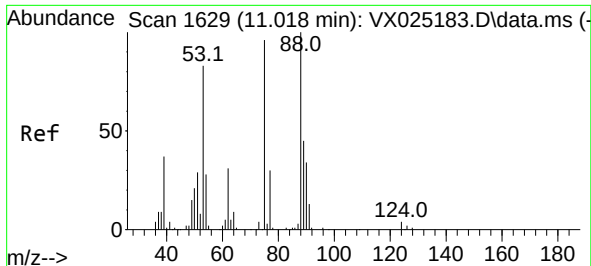
Tgt Ion: 75 Resp: 43576

Ion Ratio Lower Upper

75 100

77 1.2 20.0 59.9#

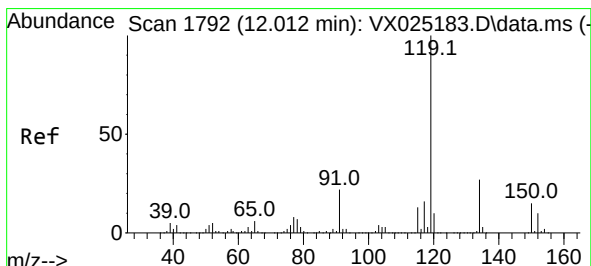
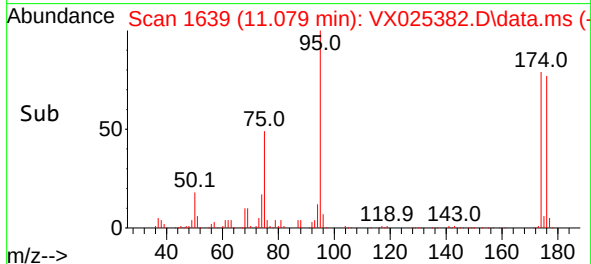
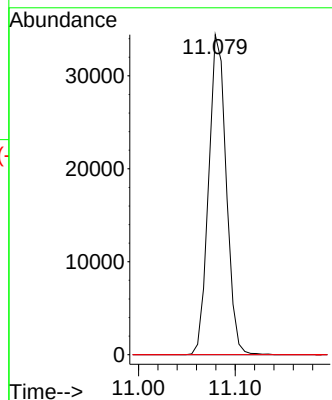
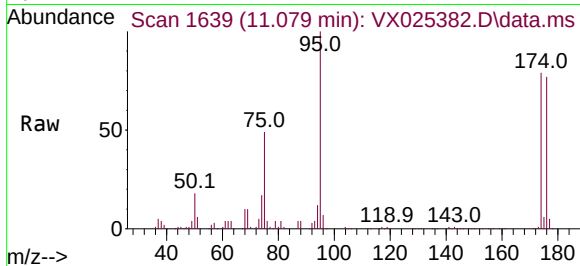




#81
trans-1,4-Dichloro-2-butene
Concen: 55.699 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

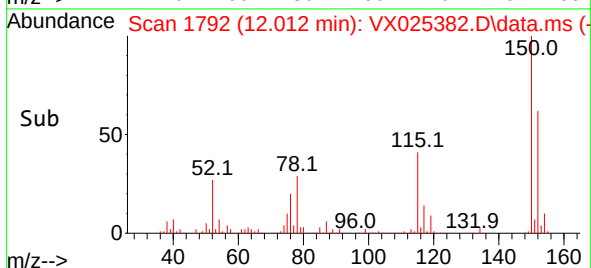
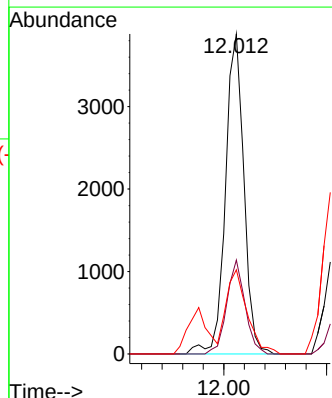
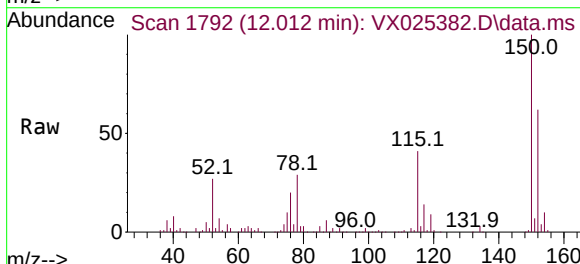
Instrument :
MSVOA_X
ClientSampleId :
20873

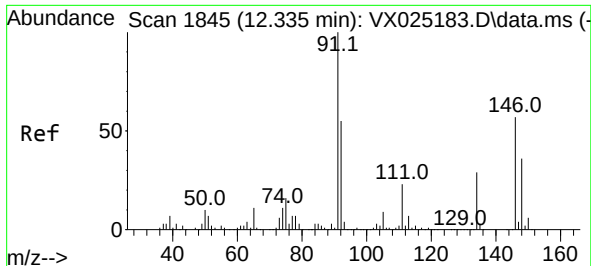
Tgt Ion: 75 Resp: 43576
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#86
p-Isopropyltoluene
Concen: 0.786 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX025382.D
Acq: 29 Nov 2021 20:05

Tgt Ion: 119 Resp: 4810
Ion Ratio Lower Upper
119 100
134 29.1 13.2 39.5
91 30.0 12.4 37.0





#89

n-Butylbenzene

Concen: 0.476 ug/l

RT: 12.104 min Scan# 1845

Delta R.T. -0.231 min

Lab File: VX025382.D

Acq: 29 Nov 2021 20:05

Instrument :

MSVOA_X

ClientSampleId :

20873

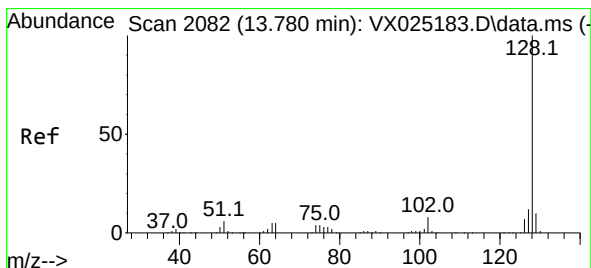
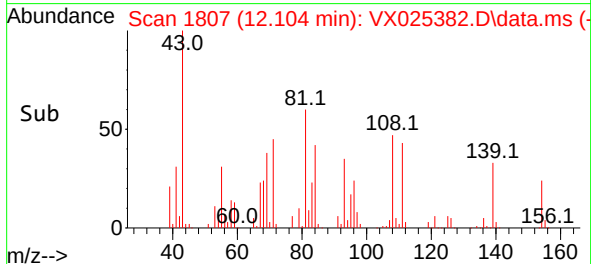
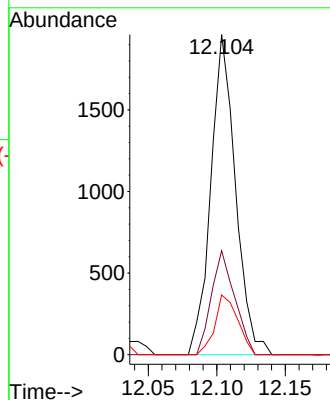
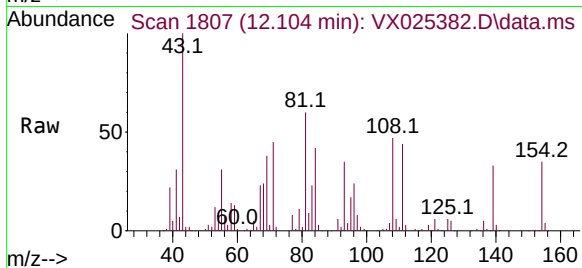
Tgt Ion: 91 Resp: 2457

Ion Ratio Lower Upper

91 100

92 30.6 26.3 78.8

134 17.2 13.0 38.9



#95

Naphthalene

Concen: Below Cal

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX025382.D

Acq: 29 Nov 2021 20:05

Tgt Ion:128 Resp: 177

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

