

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025381.D
 Acq On : 29 Nov 2021 19:42
 Operator : JC/MD
 Sample : M4837-20 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20937

Quant Time: Nov 30 04:04:43 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)

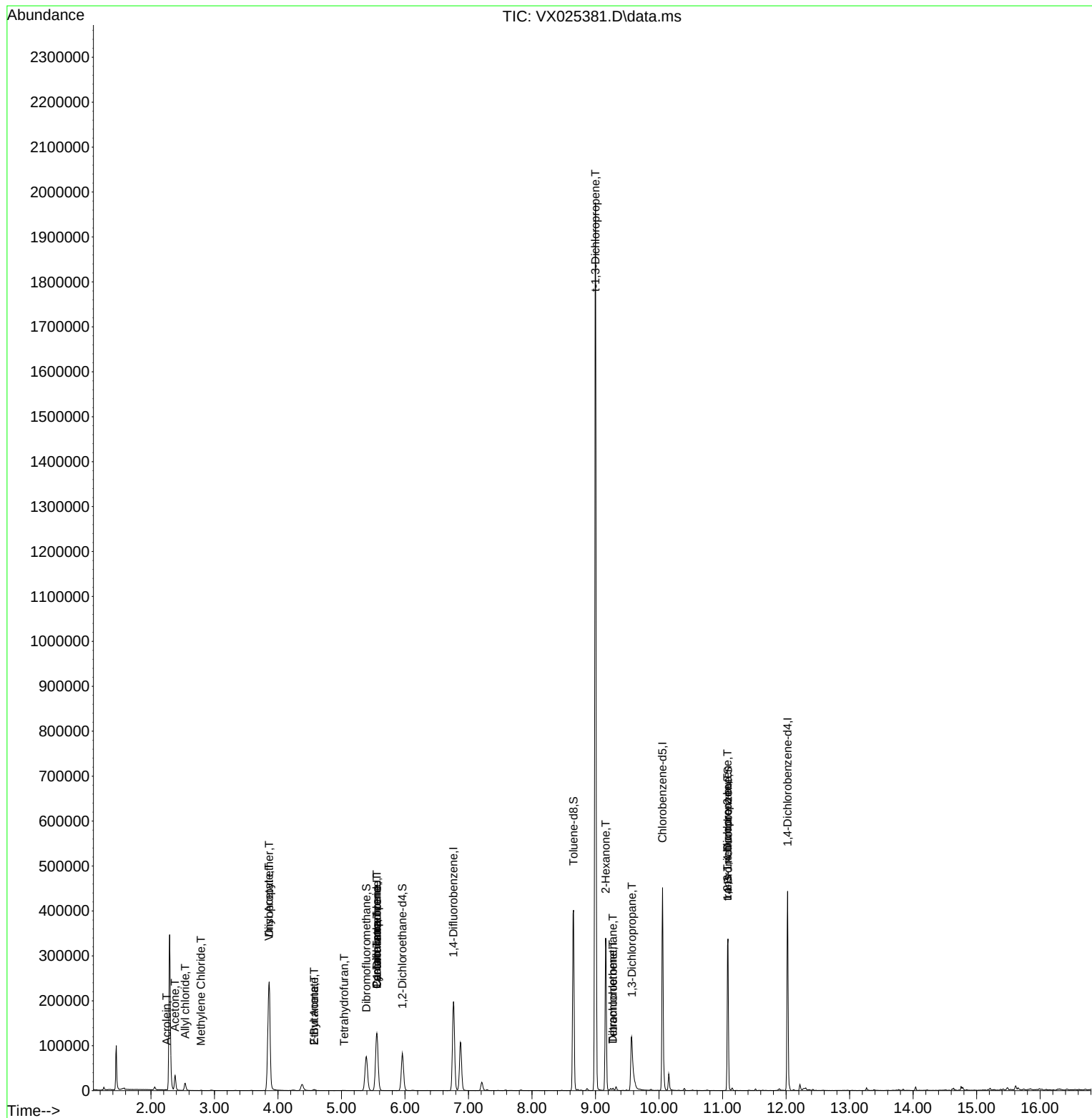
Internal Standards						
1) Pentafluorobenzene	5.556	168	132253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	216623	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72509	52.014	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.020%			
35) Dibromofluoromethane	5.391	113	66303	49.885	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.760%			
50) Toluene-d8	8.653	98	248403	49.707	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.420%			
62) 4-Bromofluorobenzene	11.085	95	90297	47.762	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.520%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	720	Below Cal	#	72
13) Acrolein	2.245	56	1190	18.633	ug/l #	78
14) Allyl chloride	2.538	41	1633	0.736	ug/l #	60
16) Acetone	2.380	43	32793	42.335	ug/l	91
20) Methylene Chloride	2.788	84	398	0.273	ug/l #	78
22) Diisopropyl ether	3.861	45	16431	3.889	ug/l #	1
23) Vinyl Acetate	3.855	43	39661	11.687	ug/l #	72
25) 2-Butanone	4.568	43	3054	2.727	ug/l	99
29) Tetrahydrofuran	5.044	42	363	0.523	ug/l #	32
31) Cyclohexane	5.556	56	2431	1.128	ug/l #	14
36) 1,1-Dichloropropene	5.556	75	8984	4.754	ug/l #	50
37) Ethyl Acetate	4.568	43	2953	1.373	ug/l #	68
38) Carbon Tetrachloride	5.556	117	12142	5.833	ug/l #	15
53) t-1,3-Dichloropropene	9.000	75	3171	1.421	ug/l #	43
57) 1,3-Dichloropropane	9.573	76	745	0.303	ug/l #	42
59) 2-Hexanone	9.159	43	18864	10.663	ug/l	94
60) Dibromochloromethane	9.275	129	731	0.428	ug/l #	11
64) Tetrachloroethene	9.275	164	883	0.531	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	44222	22.916	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	44222	57.729	ug/l #	9
95) Naphthalene	13.780	128	1162	Below Cal	#	92

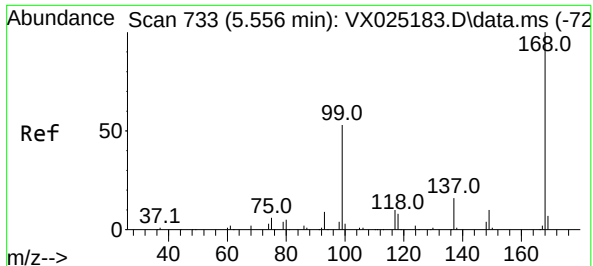
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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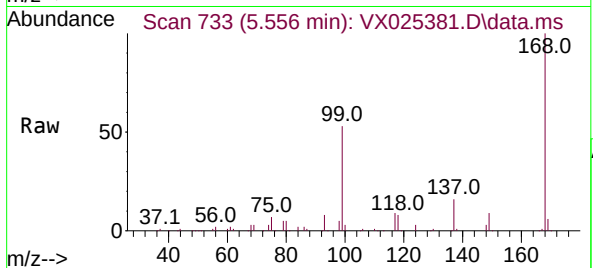
Quant Time: Nov 30 04:04:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
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QLast Update : Wed Nov 17 15:36:16 2021
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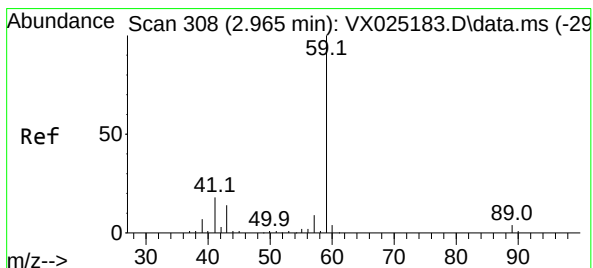
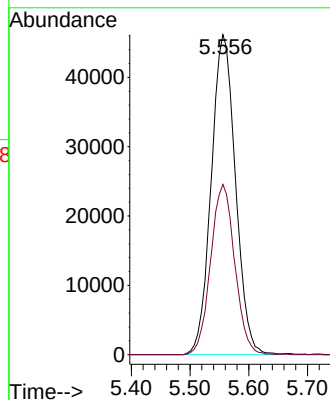
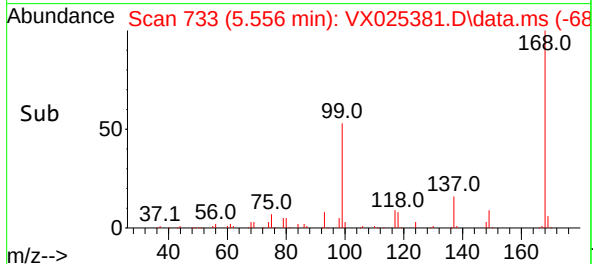


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

Instrument :
MSVOA_X
ClientSampleId :
20937

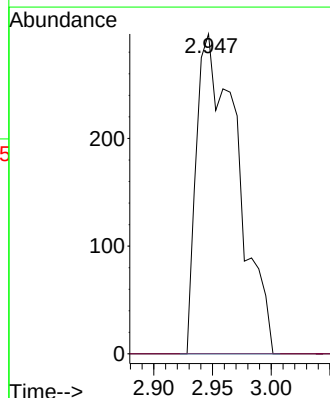
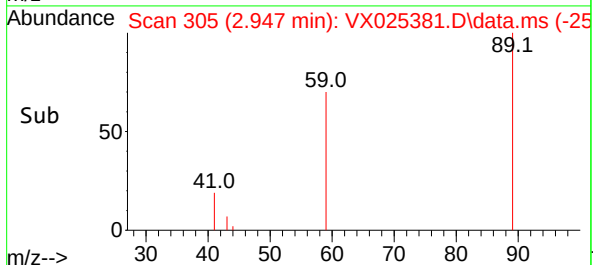
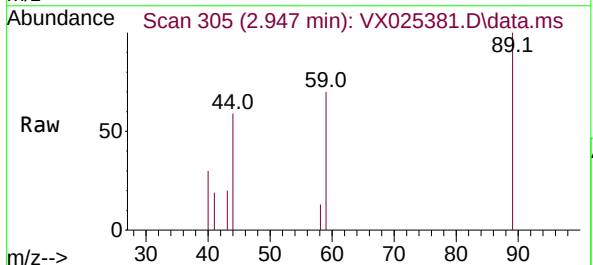


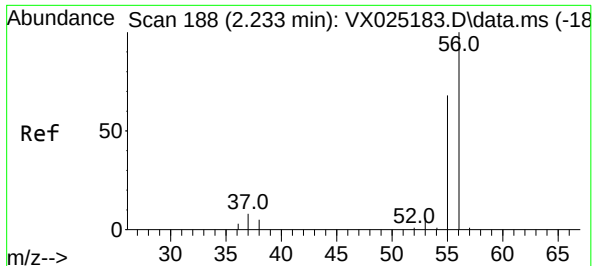
Tgt Ion:168 Resp: 132253
Ion Ratio Lower Upper
168 100
99 53.2 46.4 69.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

Tgt Ion: 59 Resp: 720
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 18.633 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX025381.D

Acq: 29 Nov 2021 19:42

Instrument :

MSVOA_X

ClientSampleId :

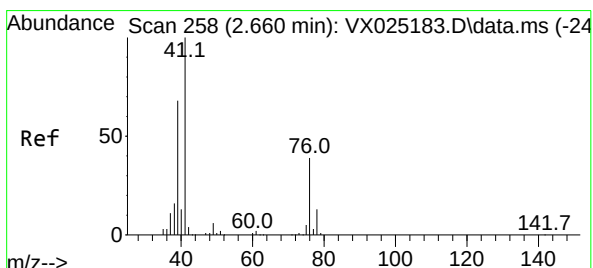
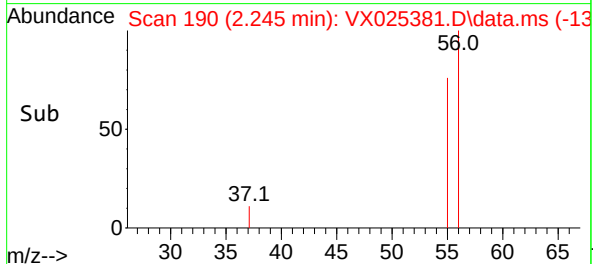
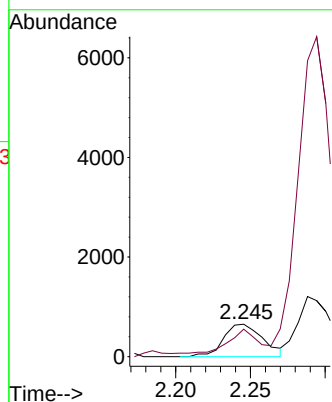
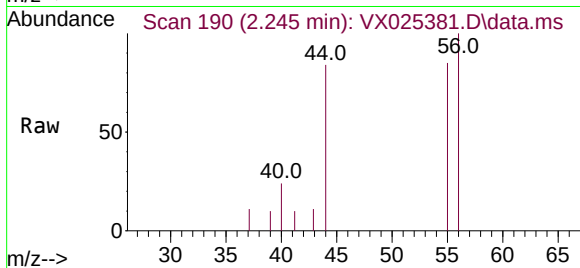
20937

Tgt Ion: 56 Resp: 1190

Ion Ratio Lower Upper

56 100

55 54.5 58.6 87.8#



#14

Allyl chloride

Concen: 0.736 ug/l

RT: 2.538 min Scan# 238

Delta R.T. -0.122 min

Lab File: VX025381.D

Acq: 29 Nov 2021 19:42

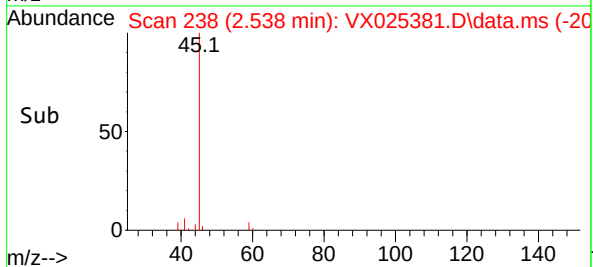
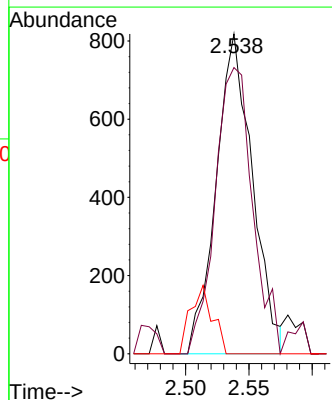
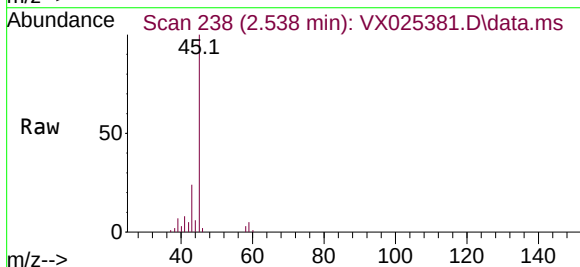
Tgt Ion: 41 Resp: 1633

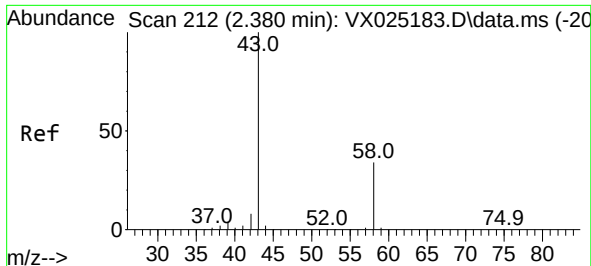
Ion Ratio Lower Upper

41 100

39 94.8 54.6 82.0#

76 0.0 25.3 37.9#





#16

Acetone

Concen: 42.335 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025381.D

Acq: 29 Nov 2021 19:42

Instrument :

MSVOA_X

ClientSampleId :

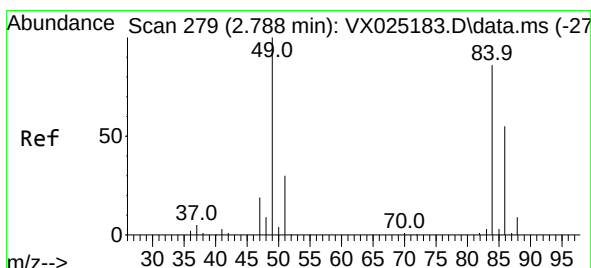
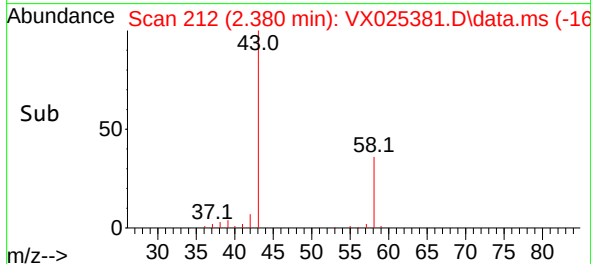
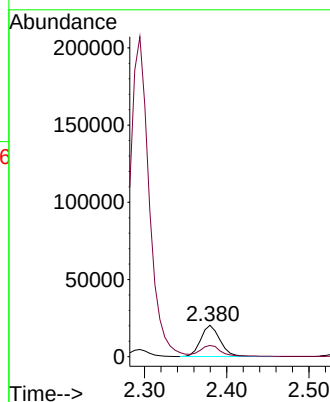
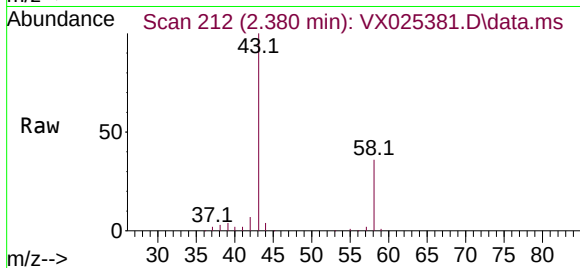
20937

Tgt Ion: 43 Resp: 32793

Ion Ratio Lower Upper

43 100

58 34.8 24.0 36.0



#20

Methylene Chloride

Concen: 0.273 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX025381.D

Acq: 29 Nov 2021 19:42

Tgt Ion: 84 Resp: 398

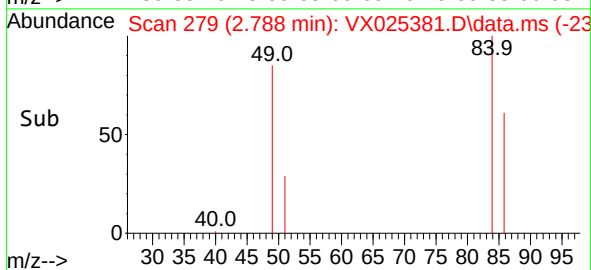
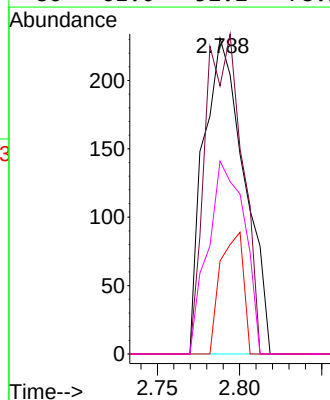
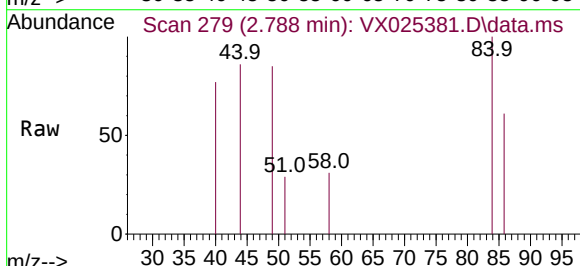
Ion Ratio Lower Upper

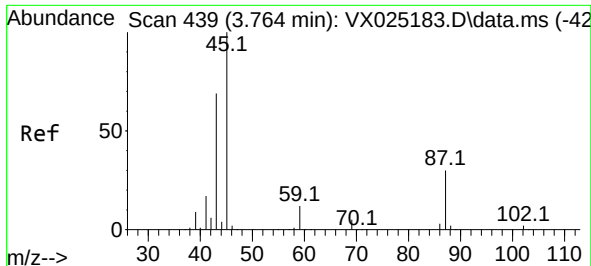
84 100

49 84.8 98.2 147.2#

51 29.4 30.2 45.4#

86 61.0 52.2 78.2

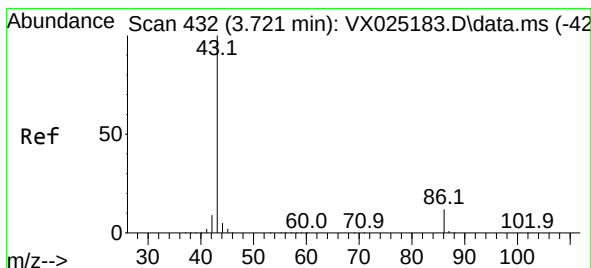
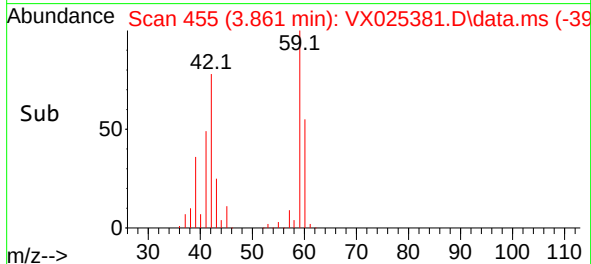
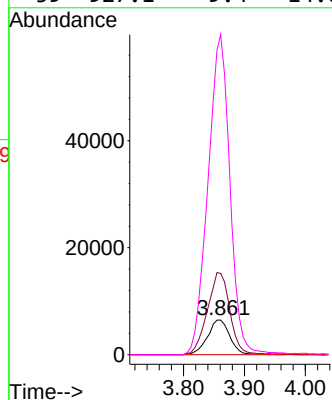
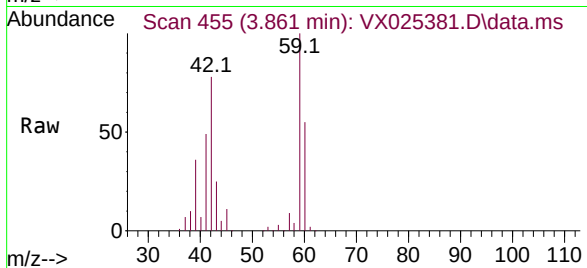




#22
Diisopropyl ether
Concen: 3.889 ug/l
RT: 3.861 min Scan# 41
Delta R.T. 0.097 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

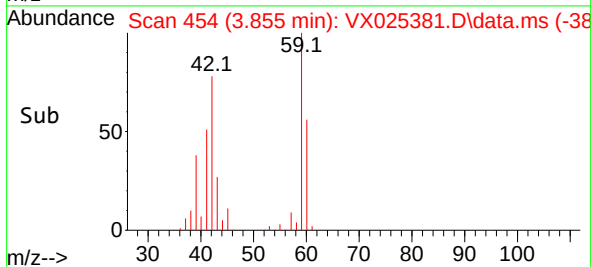
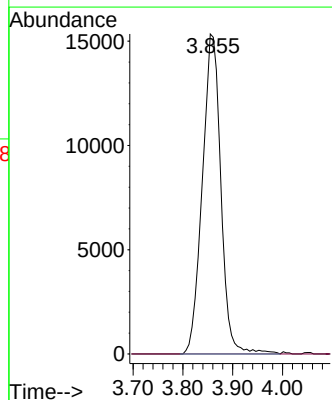
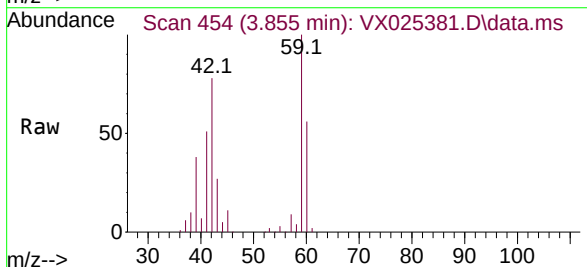
Instrument :
MSVOA_X
ClientSampleId :
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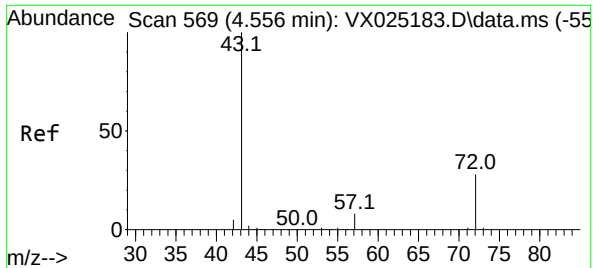
Tgt Ion: 45 Resp: 16431
Ion Ratio Lower Upper
45 100
43 235.3 58.3 87.5#
87 0.0 23.7 35.5#
59 927.1 9.4 14.0#



#23
Vinyl Acetate
Concen: 11.687 ug/l
RT: 3.855 min Scan# 454
Delta R.T. 0.134 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

Tgt Ion: 43 Resp: 39661
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

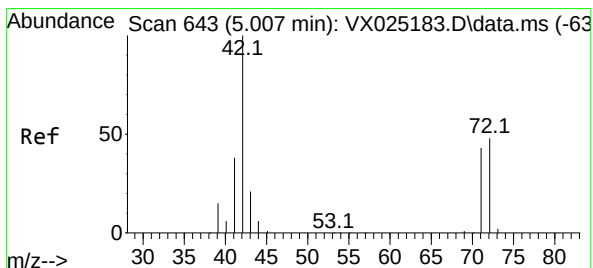
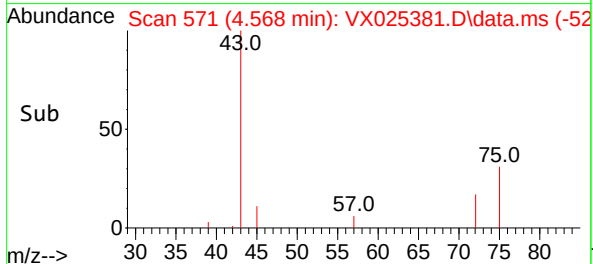
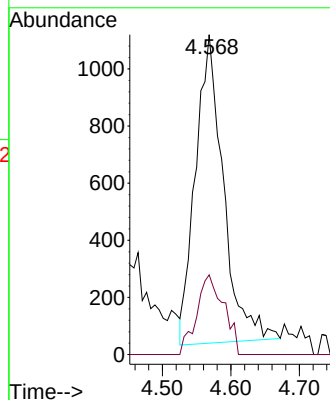
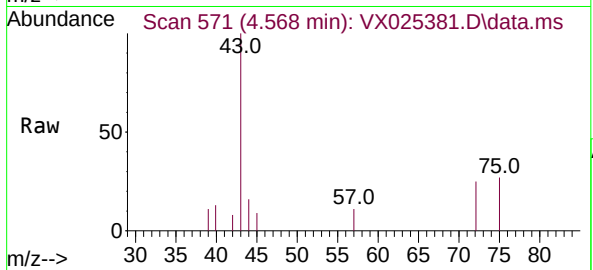




#25
2-Butanone
Concen: 2.727 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

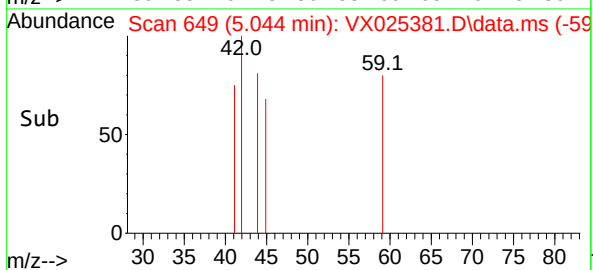
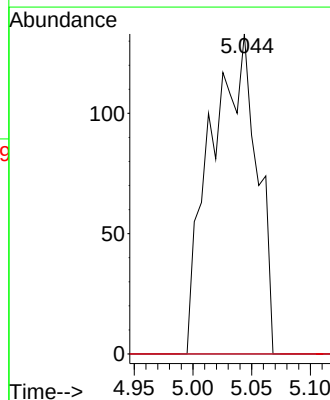
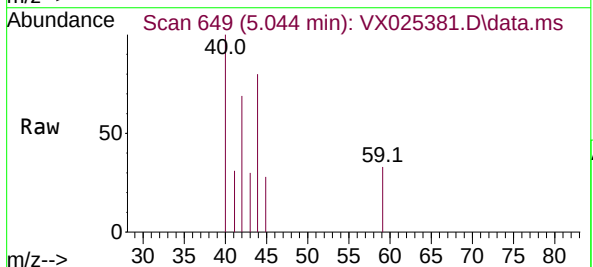
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ClientSampleId :
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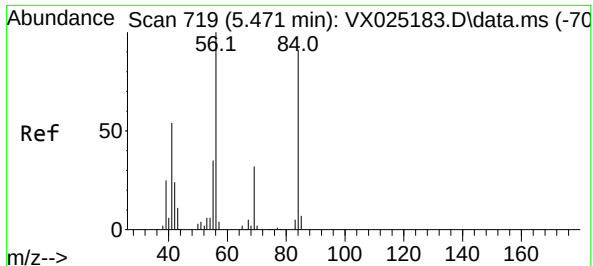
Tgt Ion: 43 Resp: 3054
Ion Ratio Lower Upper
43 100
72 26.2 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.523 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.037 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

Tgt Ion: 42 Resp: 363
Ion Ratio Lower Upper
42 100
72 0.0 36.1 54.1#
71 0.0 33.7 50.5#

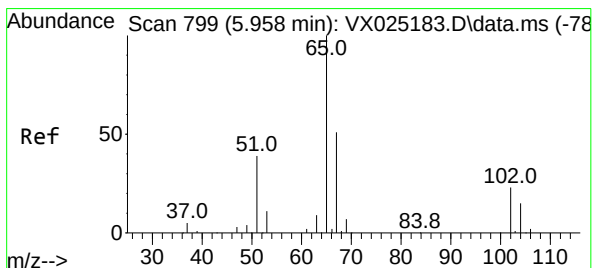
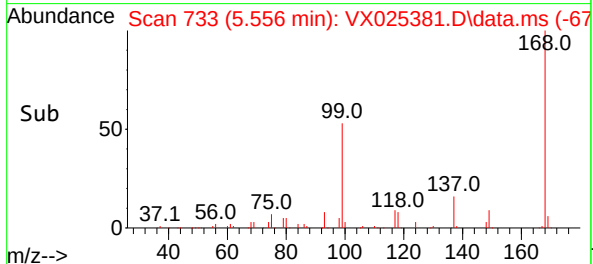
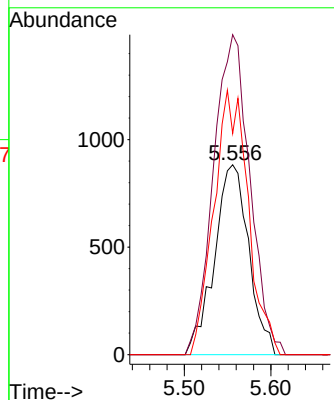
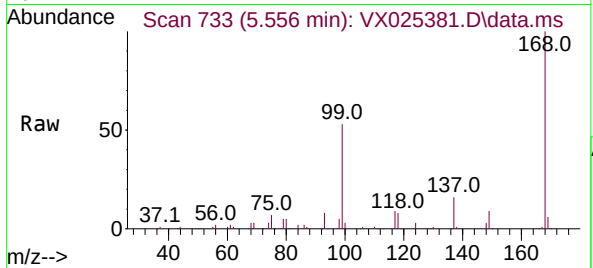




#31
Cyclohexane
Concen: 1.128 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

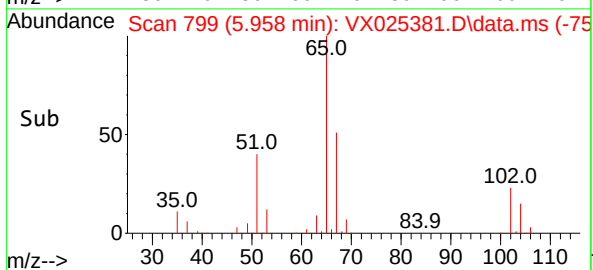
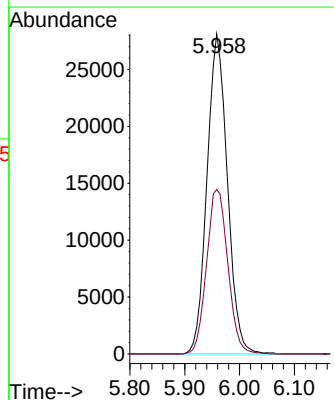
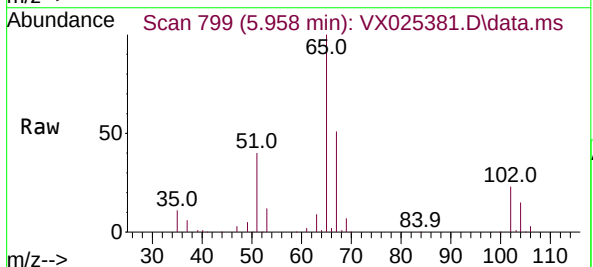
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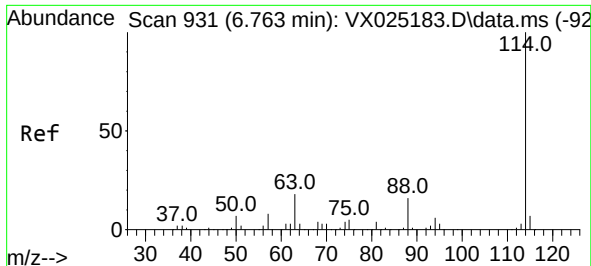
Tgt Ion: 56 Resp: 2431
Ion Ratio Lower Upper
56 100
69 168.5 24.2 36.2#
84 116.5 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 52.014 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

Tgt Ion: 65 Resp: 72509
Ion Ratio Lower Upper
65 100
67 53.6 0.0 101.0

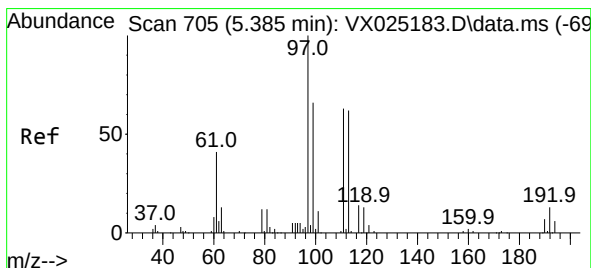
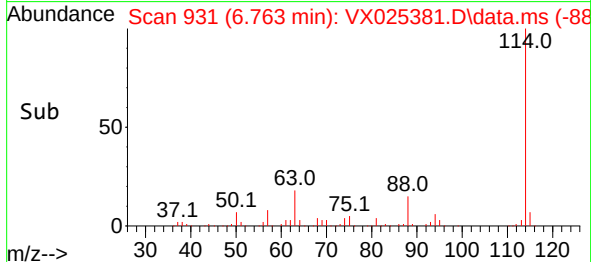
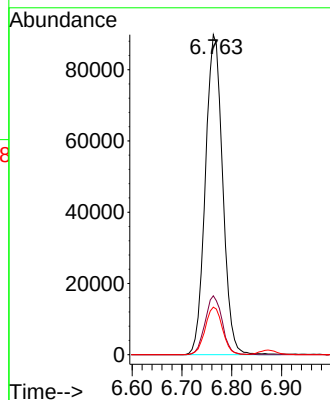
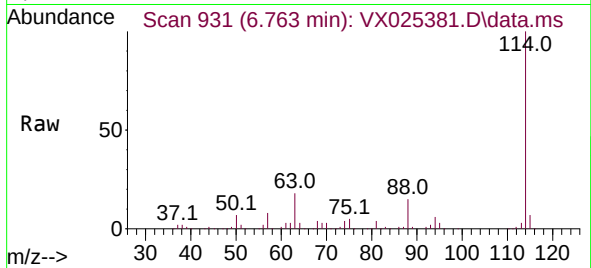




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

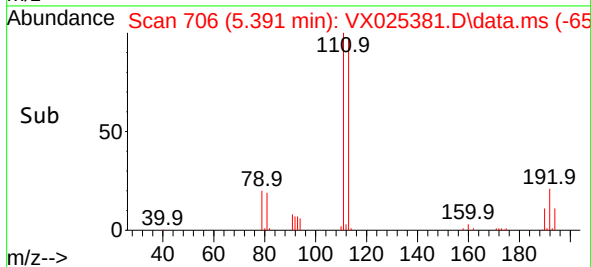
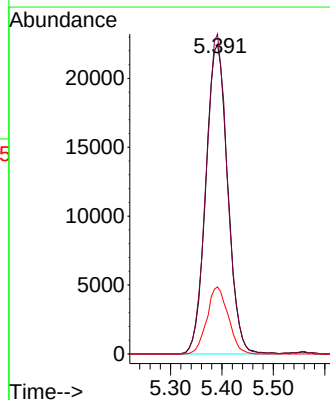
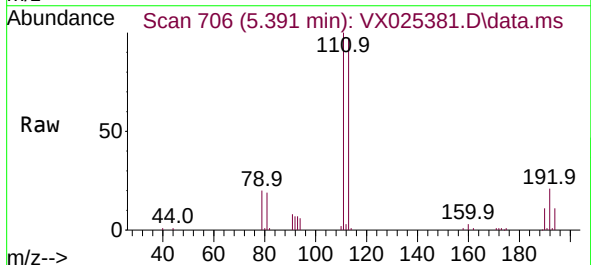
Instrument :
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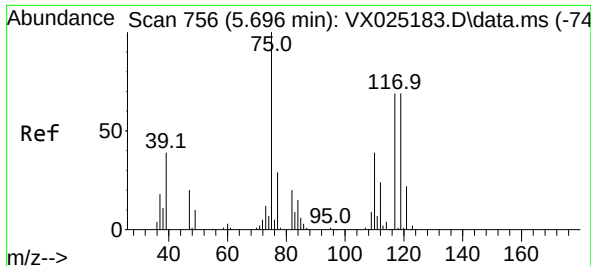
Tgt Ion:114 Resp: 216623
Ion Ratio Lower Upper
114 100
63 18.4 0.0 41.0
88 14.9 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.885 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

Tgt Ion:113 Resp: 66303
Ion Ratio Lower Upper
113 100
111 101.2 82.1 123.1
192 21.1 15.6 23.4

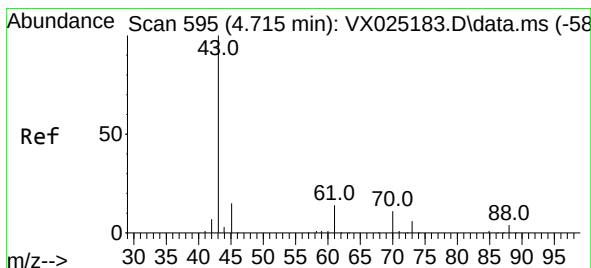
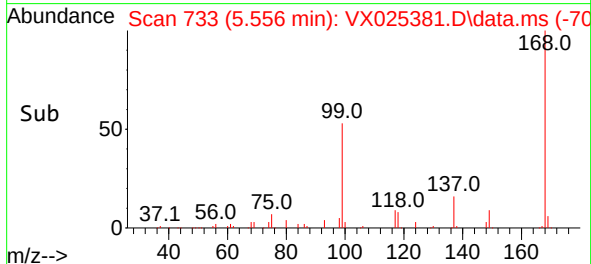
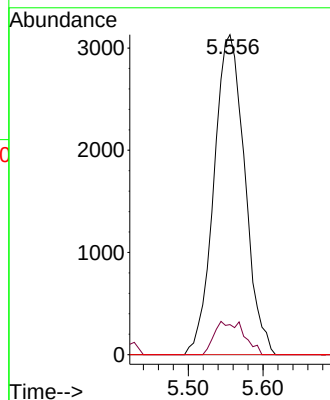
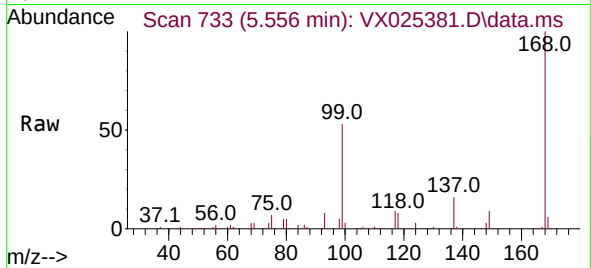




#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

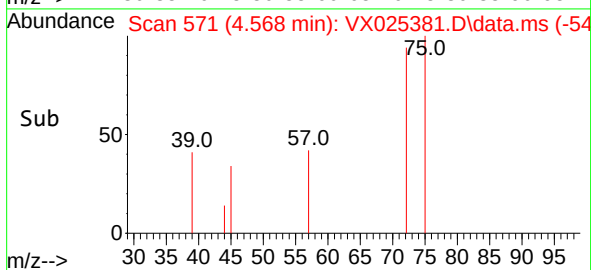
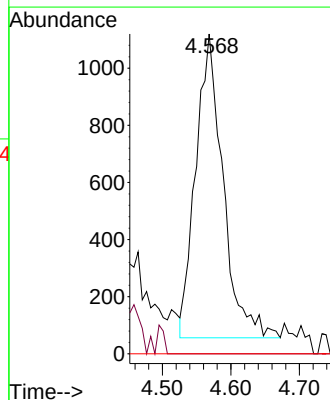
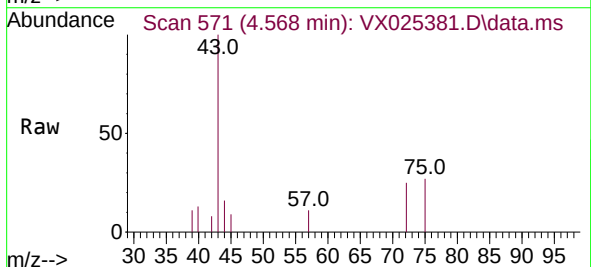
Instrument :
MSVOA_X
ClientSampleId :
20937

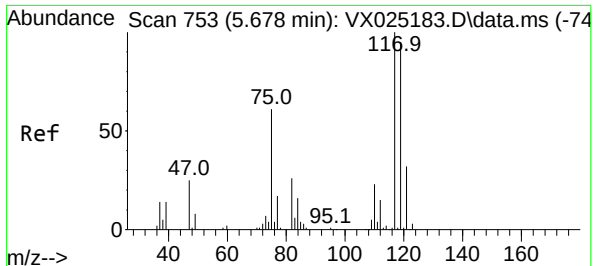
Tgt Ion: 75 Resp: 8984
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.3#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.373 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.147 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

Tgt Ion: 43 Resp: 2953
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 8.6 12.8#

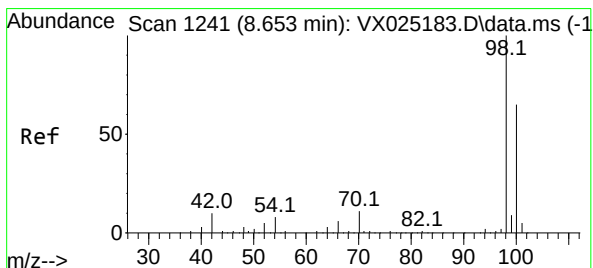
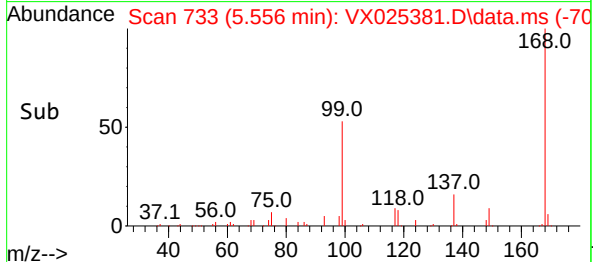
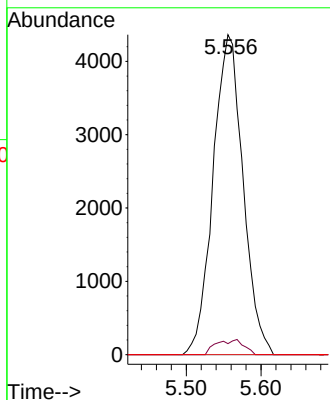
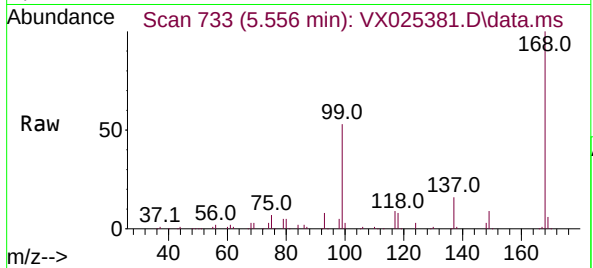




#38
Carbon Tetrachloride
Concen: 5.833 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

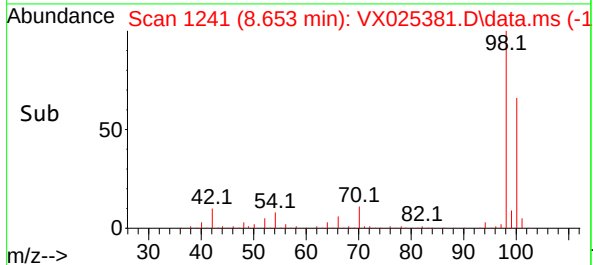
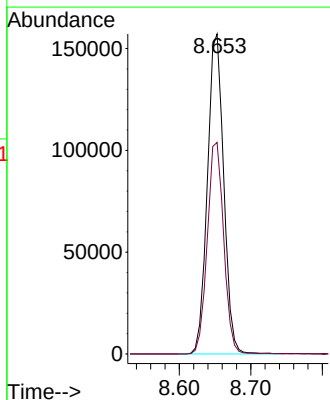
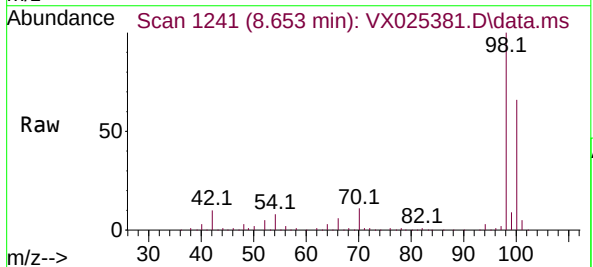
Instrument :
MSVOA_X
ClientSampleId :
20937

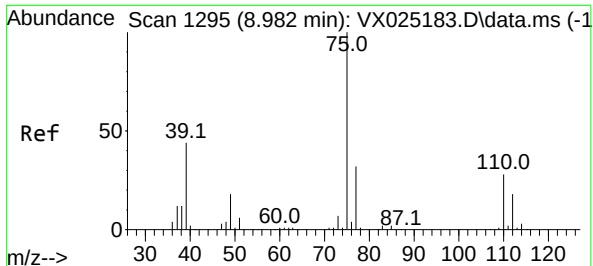
Tgt Ion:117 Resp: 12142
Ion Ratio Lower Upper
117 100
119 3.4 75.6 113.4#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 49.707 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

Tgt Ion: 98 Resp: 248403
Ion Ratio Lower Upper
98 100
100 66.7 51.4 77.0





#53

t-1,3-Dichloropropene

Concen: 1.421 ug/l

RT: 9.000 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX025381.D

Acq: 29 Nov 2021 19:42

Instrument :

MSVOA_X

ClientSampleId :

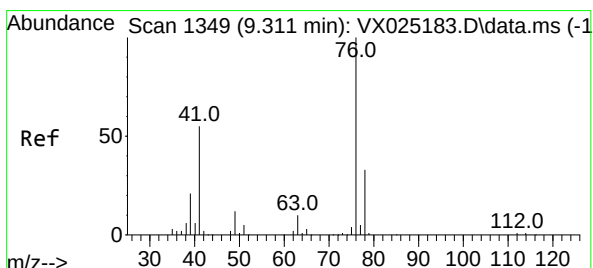
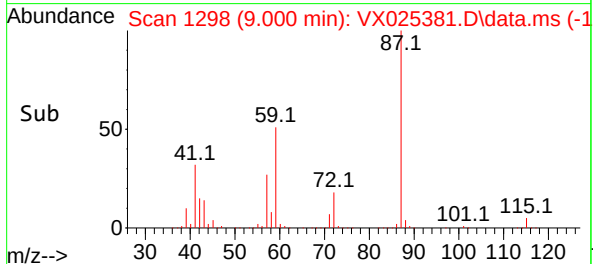
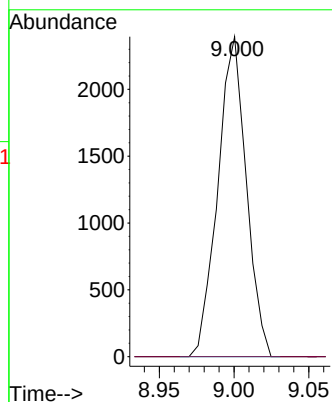
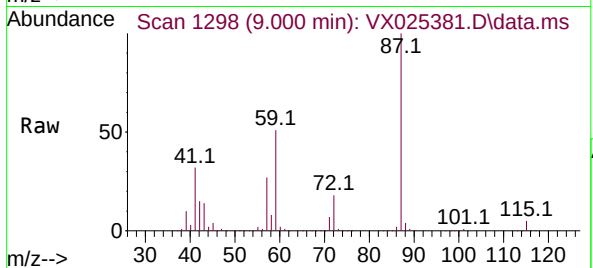
20937

Tgt Ion: 75 Resp: 3171

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#



#57

1,3-Dichloropropane

Concen: 0.303 ug/l

RT: 9.573 min Scan# 1392

Delta R.T. 0.262 min

Lab File: VX025381.D

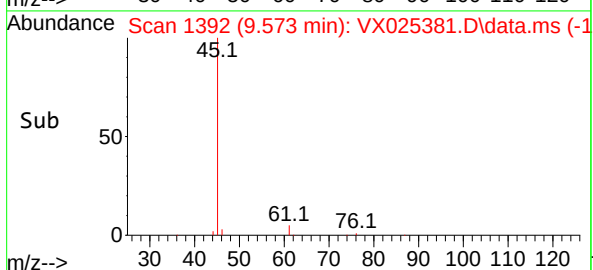
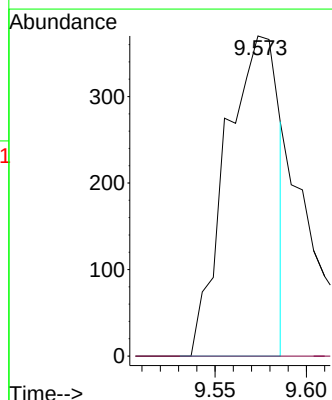
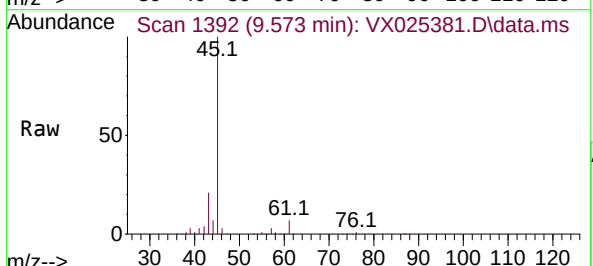
Acq: 29 Nov 2021 19:42

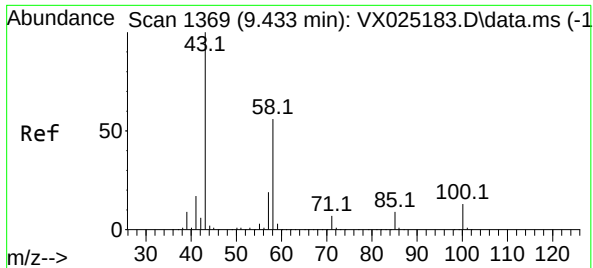
Tgt Ion: 76 Resp: 745

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 10.663 ug/l

RT: 9.159 min Scan# 11

Delta R.T. -0.274 min

Lab File: VX025381.D

Acq: 29 Nov 2021 19:42

Instrument :

MSVOA_X

ClientSampleId :

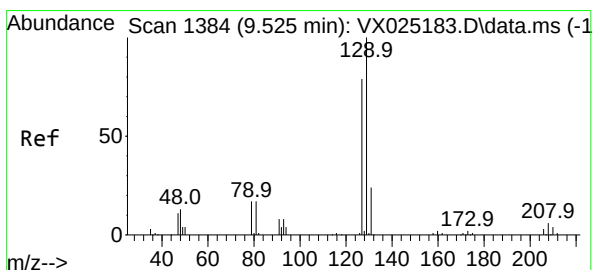
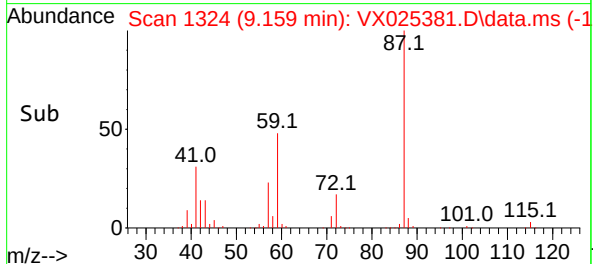
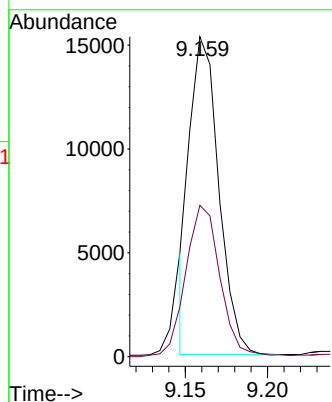
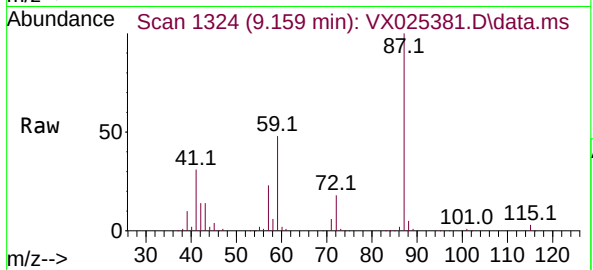
20937

Tgt Ion: 43 Resp: 18864

Ion Ratio Lower Upper

43 100

58 48.8 26.6 79.7



#60

Dibromochloromethane

Concen: 0.428 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX025381.D

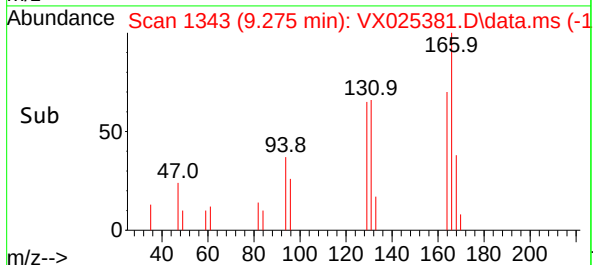
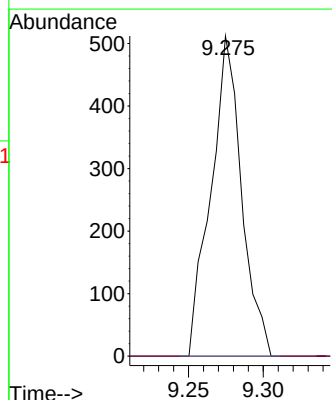
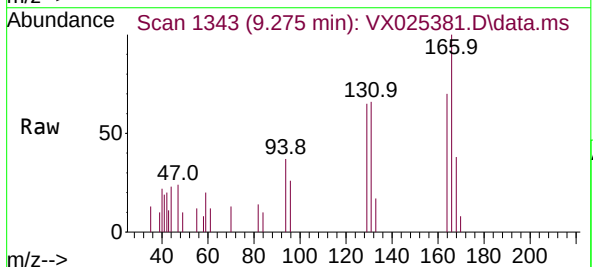
Acq: 29 Nov 2021 19:42

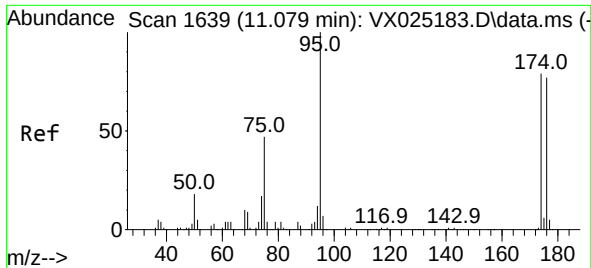
Tgt Ion: 129 Resp: 731

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

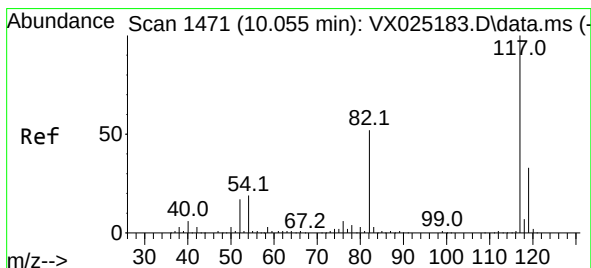
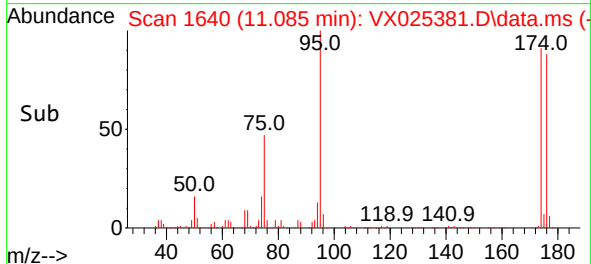
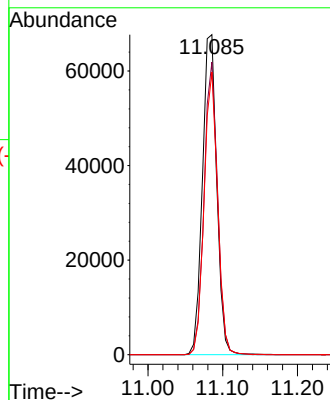
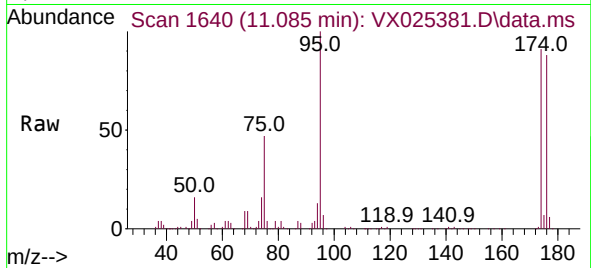




#62
4-Bromofluorobenzene
Concen: 47.762 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

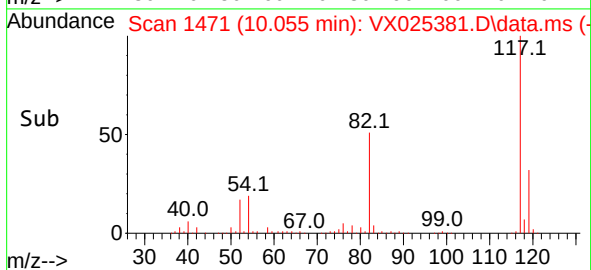
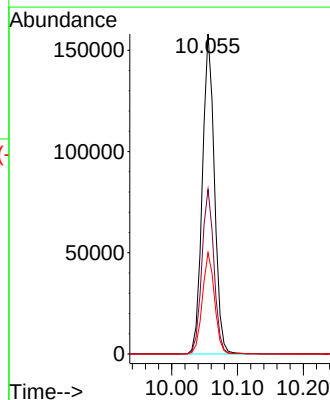
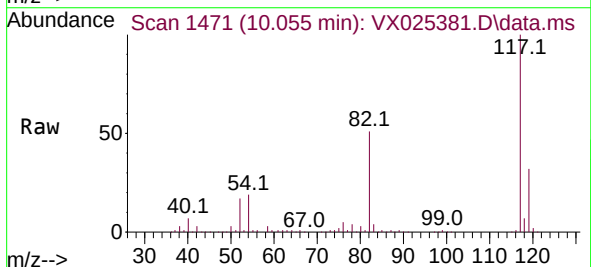
Instrument :
MSVOA_X
ClientSampleId :
20937

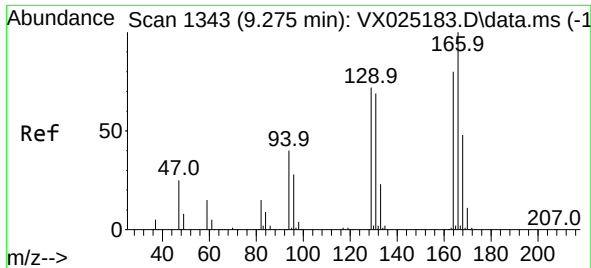
Tgt Ion: 95 Resp: 90297
Ion Ratio Lower Upper
95 100
174 85.8 0.0 158.0
176 83.5 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

Tgt Ion: 117 Resp: 201611
Ion Ratio Lower Upper
117 100
82 51.4 44.6 67.0
119 31.7 24.8 37.2



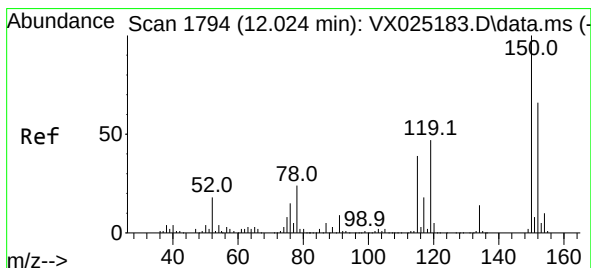
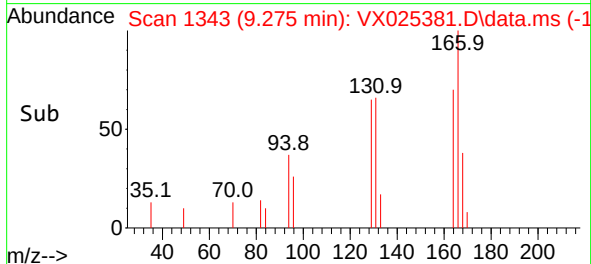
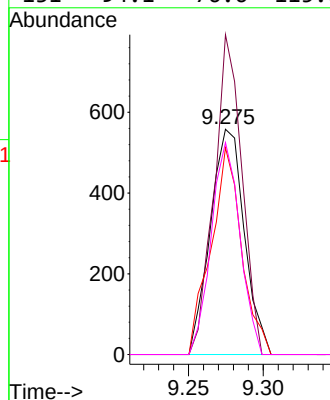
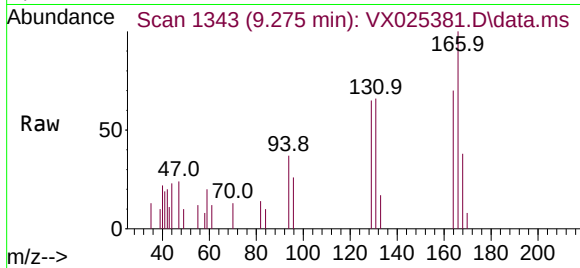


#64
Tetrachloroethene
Concen: 0.531 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

Instrument :
MSVOA_X
ClientSampleId :
20937

Tgt Ion:164 Resp: 883

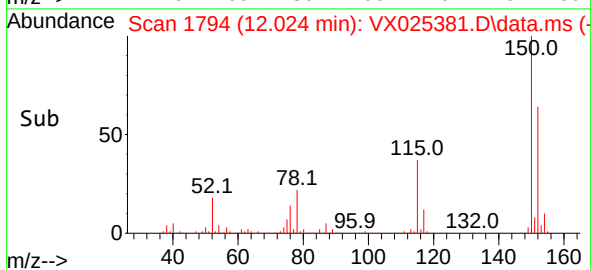
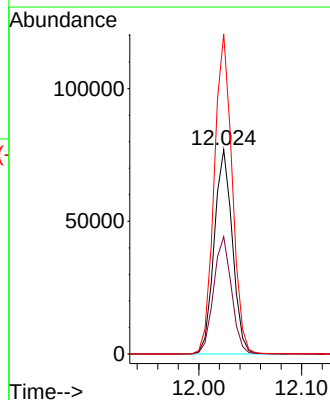
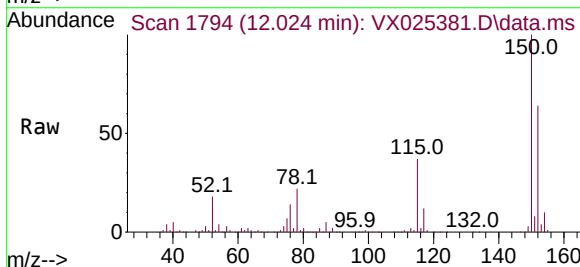
Ion	Ratio	Lower	Upper
164	100		
166	141.9	103.2	154.8
129	91.8	81.0	121.4
131	94.1	76.6	115.0

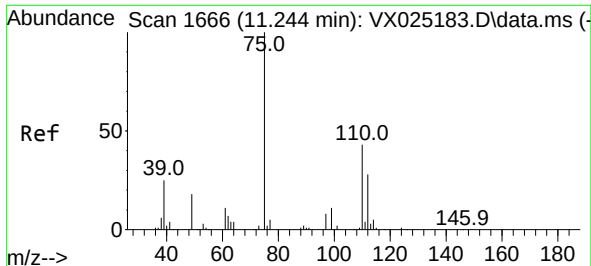


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

Tgt Ion:152 Resp: 94236

Ion	Ratio	Lower	Upper
152	100		
115	56.8	43.3	129.8
150	155.0	0.0	351.2

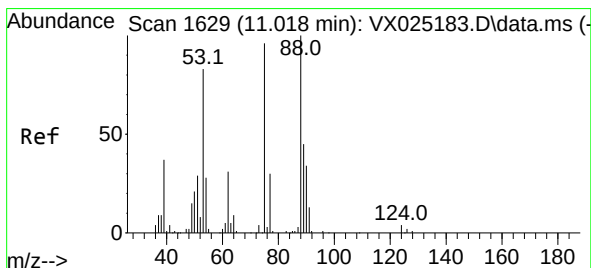
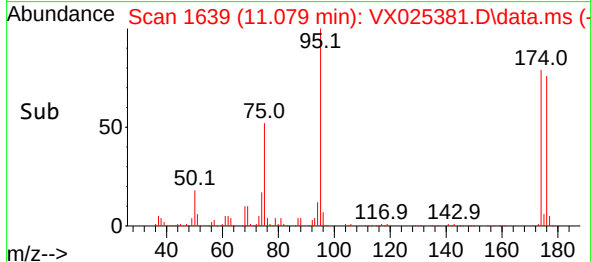
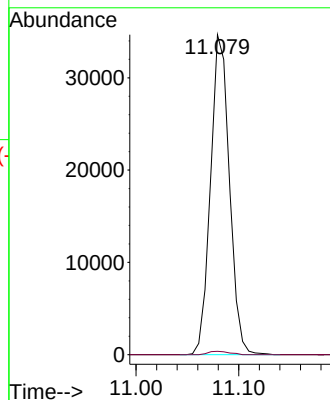
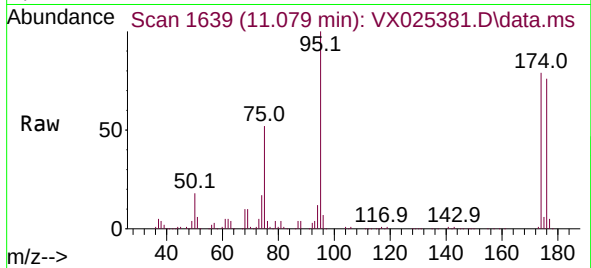




#76
1,2,3-Trichloropropane
Concen: 22.916 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

Instrument :
MSVOA_X
ClientSampleId :
20937

Tgt Ion: 75 Resp: 44222
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.729 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025381.D
Acq: 29 Nov 2021 19:42

Tgt Ion: 75 Resp: 44222
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#

