

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025383.D
 Acq On : 29 Nov 2021 20:28
 Operator : JC/MD
 Sample : M4837-08 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20928

Quant Time: Nov 30 04:05:21 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)

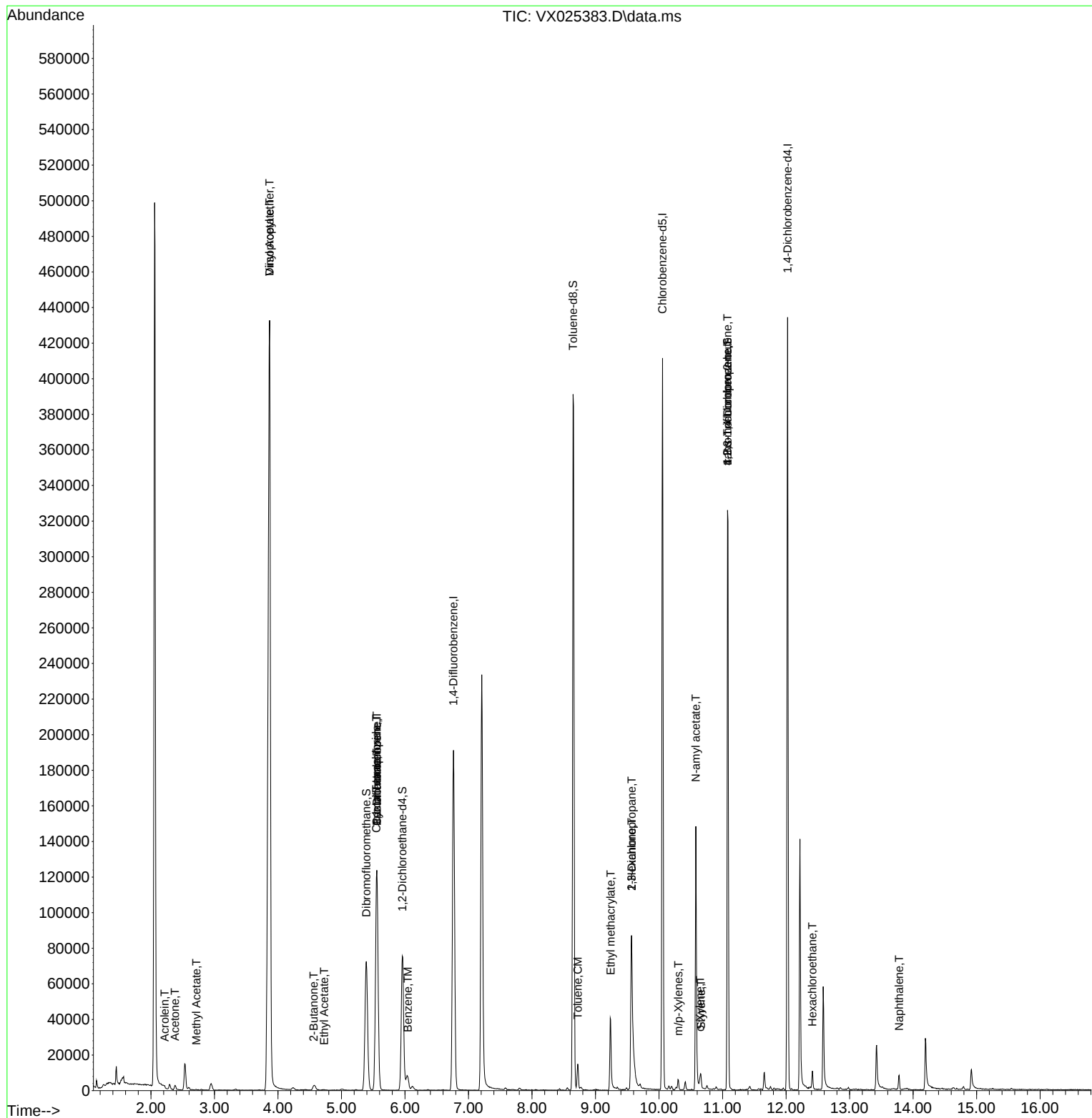
Internal Standards						
1) Pentafluorobenzene	5.556	168	126414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206040	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70553	52.948	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.900%			
35) Dibromofluoromethane	5.391	113	62607	49.523	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.040%			
50) Toluene-d8	8.647	98	240423	50.581	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.160%			
62) 4-Bromofluorobenzene	11.079	95	86206	47.941	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.880%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	2305	Below Cal	#	72
13) Acrolein	2.215	56	248	4.063	ug/l #	13
16) Acetone	2.380	43	2976	4.019	ug/l #	85
18) Methyl Acetate	2.715	43	775	0.328	ug/l #	52
22) Diisopropyl ether	3.867	45	30418	7.532	ug/l #	1
23) Vinyl Acetate	3.867	43	73316	22.602	ug/l #	72
25) 2-Butanone	4.562	43	352	0.329	ug/l #	48
31) Cyclohexane	5.556	56	2251	1.093	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	8471	4.712	ug/l #	50
37) Ethyl Acetate	4.727	43	884	0.432	ug/l #	68
38) Carbon Tetrachloride	5.550	117	11961	6.041	ug/l #	17
40) Benzene	6.043	78	7560	1.388	ug/l #	75
52) Toluene	8.720	92	5584	1.571	ug/l	92
56) Ethyl methacrylate	9.238	69	1091	0.476	ug/l #	1
57) 1,3-Dichloropropane	9.567	76	524	0.224	ug/l #	42
59) 2-Hexanone	9.567	43	29443	17.498	ug/l #	37
68) m/p-Xylenes	10.305	106	1432	0.523	ug/l	94
69) o-Xylene	10.646	106	714	0.267	ug/l	95
70) Styrene	10.659	104	2984	0.675	ug/l #	89
74) N-amyl acetate	10.579	43	25193	9.016	ug/l #	21
76) 1,2,3-Trichloropropane	11.079	75	41608	22.415	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	41608	56.466	ug/l #	9
90) Hexachloroethane	12.414	117	370	0.348	ug/l #	11
95) Naphthalene	13.780	128	5088	0.460	ug/l	97

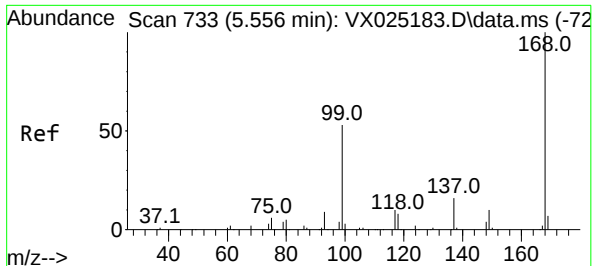
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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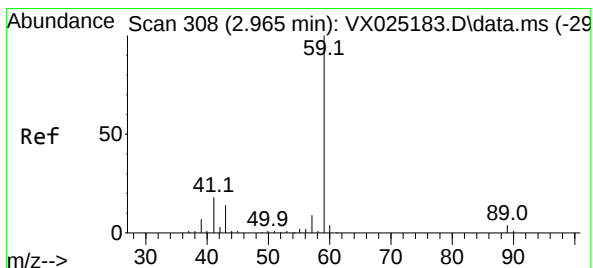
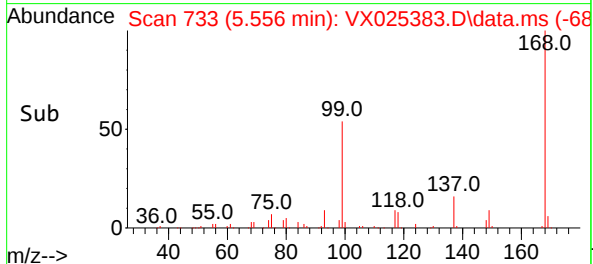
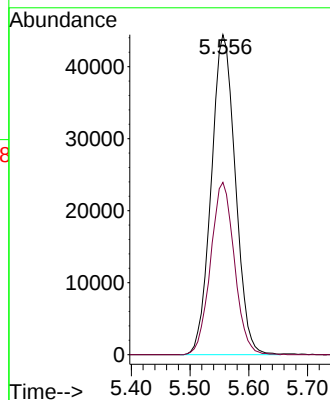
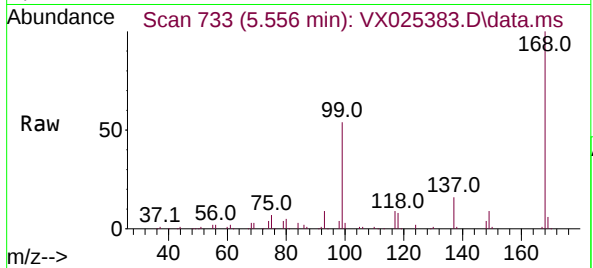




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

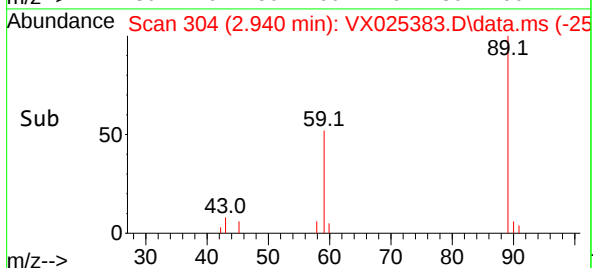
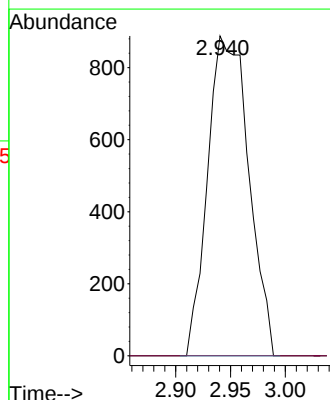
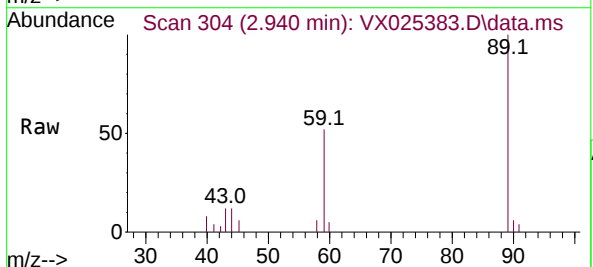
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20928

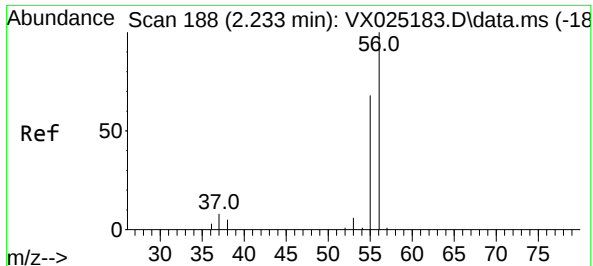
Tgt Ion:168 Resp: 126414
Ion Ratio Lower Upper
168 100
99 53.9 46.4 69.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

Tgt Ion: 59 Resp: 2305
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 4.063 ug/l

RT: 2.215 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX025383.D

Acq: 29 Nov 2021 20:28

Instrument :

MSVOA_X

ClientSampleId :

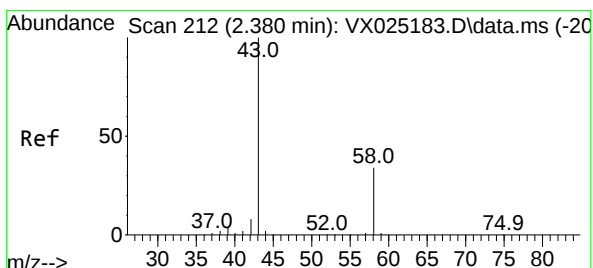
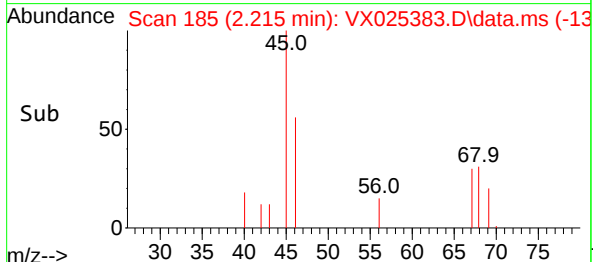
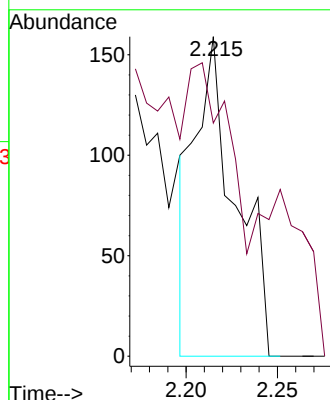
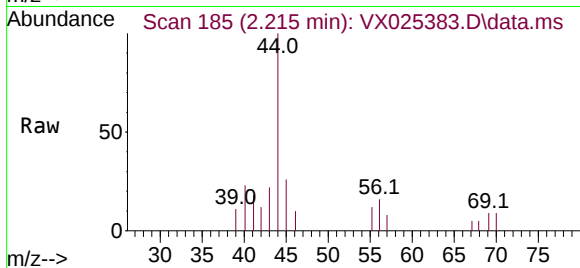
20928

Tgt Ion: 56 Resp: 248

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#



#16

Acetone

Concen: 4.019 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025383.D

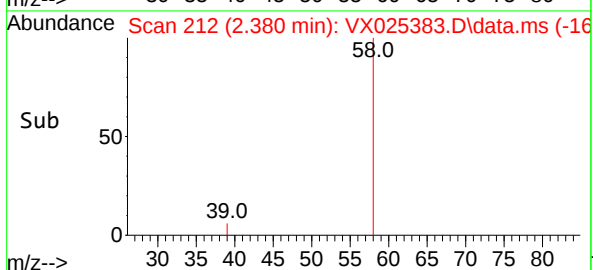
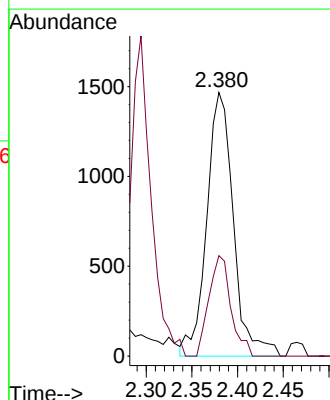
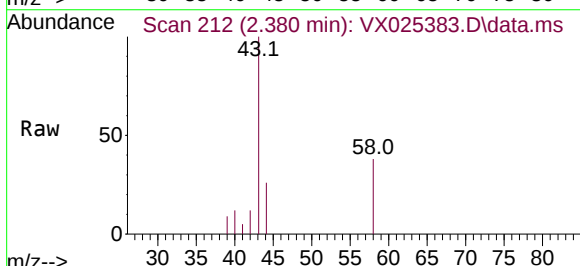
Acq: 29 Nov 2021 20:28

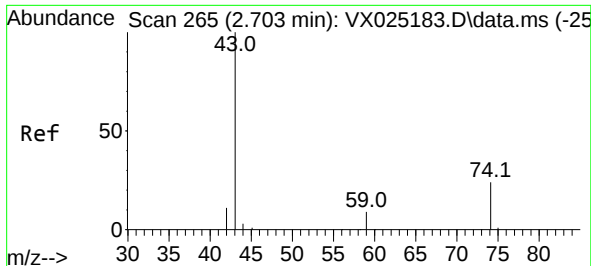
Tgt Ion: 43 Resp: 2976

Ion Ratio Lower Upper

43 100

58 38.1 24.0 36.0#

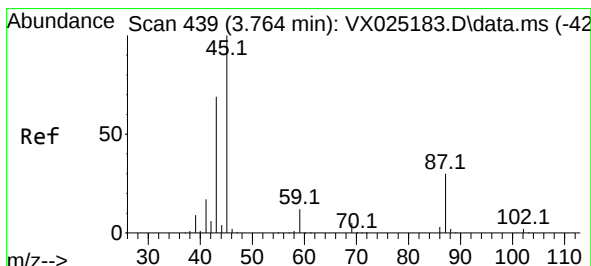
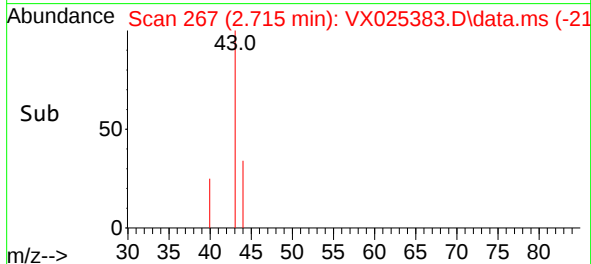
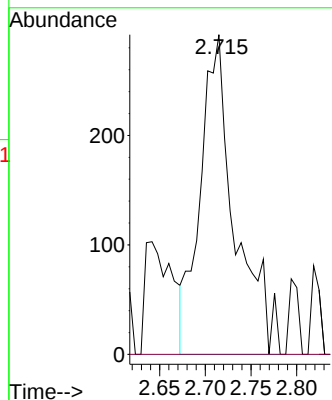
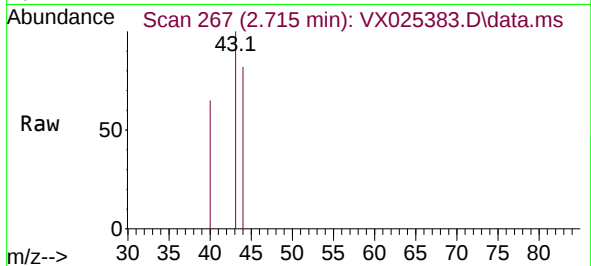




#18
Methyl Acetate
Concen: 0.328 ug/l
RT: 2.715 min Scan# 20928
Delta R.T. 0.012 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

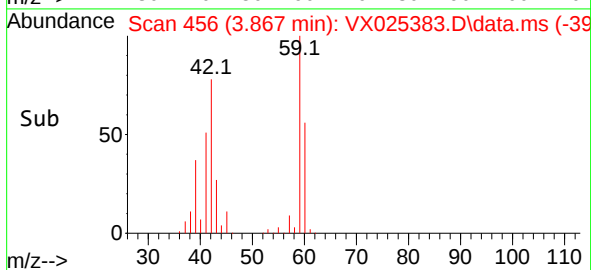
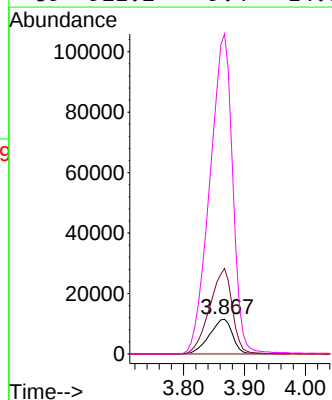
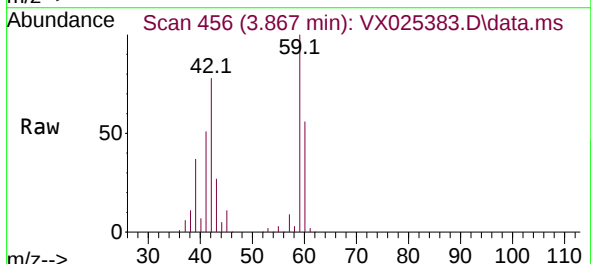
Instrument :
MSVOA_X
ClientSampleId :
20928

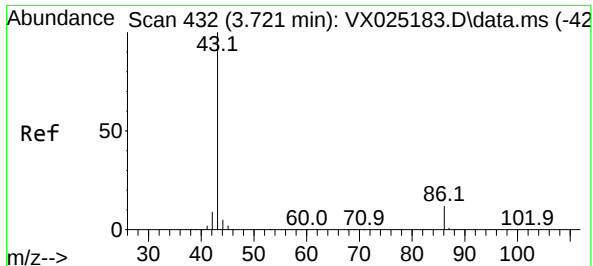
Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#22
Diisopropyl ether
Concen: 7.532 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.103 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

Tgt Ion: 45 Resp: 30418
Ion Ratio Lower Upper
45 100
43 245.7 58.3 87.5#
87 0.0 23.7 35.5#
59 921.2 9.4 14.0#

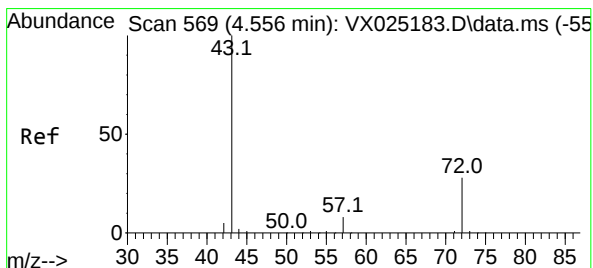
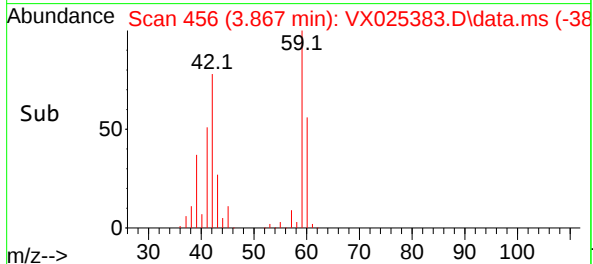
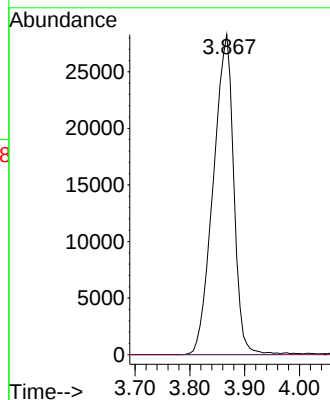
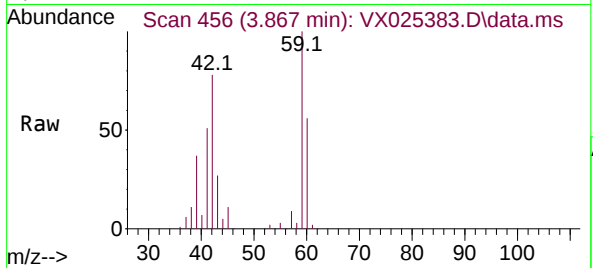




#23
 Vinyl Acetate
 Concen: 22.602 ug/l
 RT: 3.867 min Scan# 41
 Delta R.T. 0.146 min
 Lab File: VX025383.D
 Acq: 29 Nov 2021 20:28

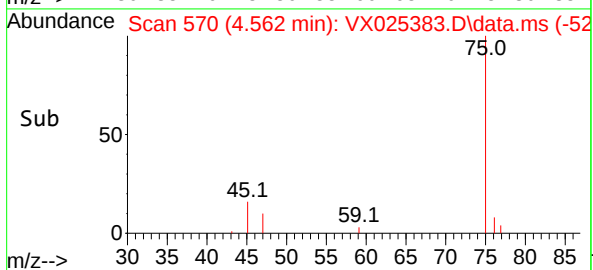
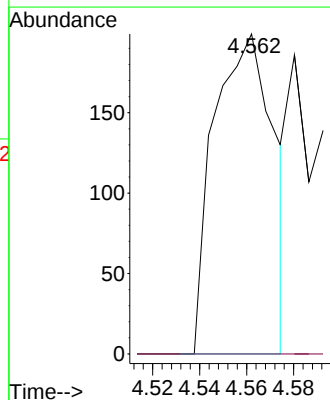
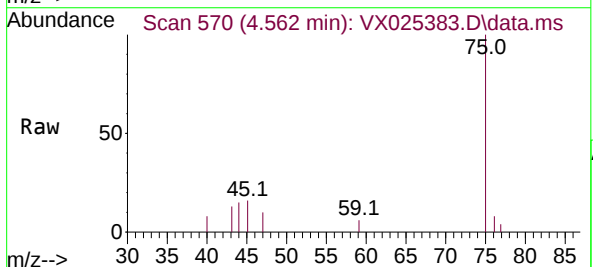
Instrument :
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 ClientSampleId :
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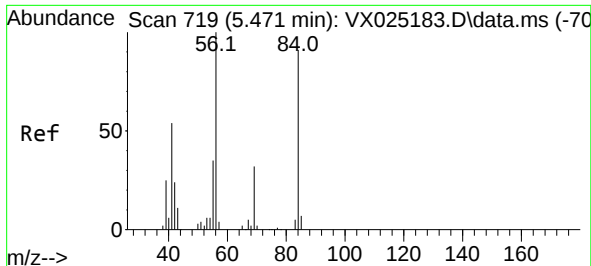
Tgt Ion: 43 Resp: 73316
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 0.329 ug/l
 RT: 4.562 min Scan# 570
 Delta R.T. 0.006 min
 Lab File: VX025383.D
 Acq: 29 Nov 2021 20:28

Tgt Ion: 43 Resp: 352
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.2 31.8#

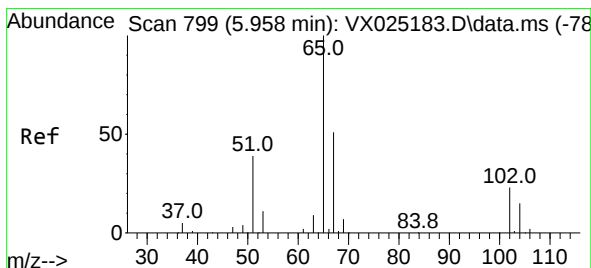
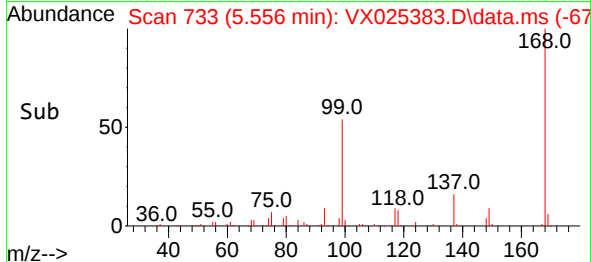
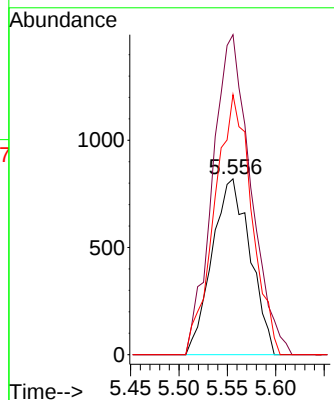
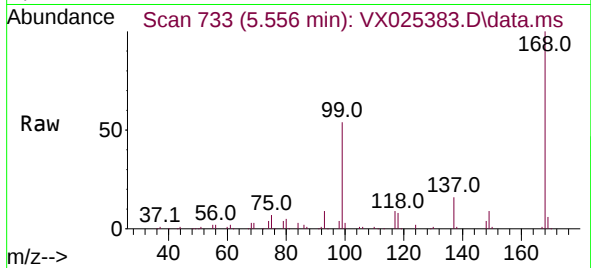




#31
Cyclohexane
Concen: 1.093 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

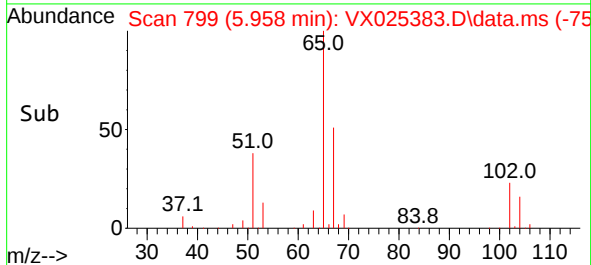
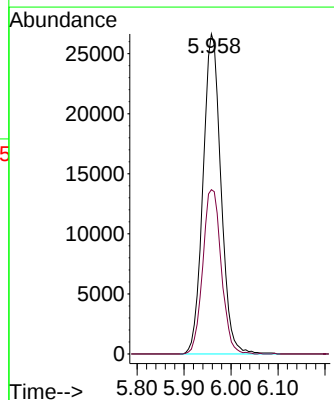
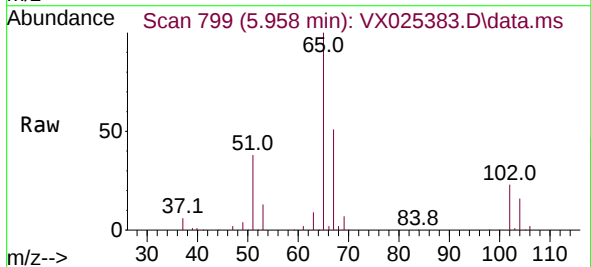
Instrument :
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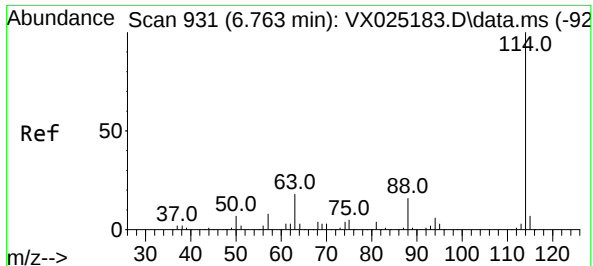
Tgt Ion: 56 Resp: 2251
Ion Ratio Lower Upper
56 100
69 182.1 24.2 36.2#
84 147.9 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 52.948 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

Tgt Ion: 65 Resp: 70553
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.0

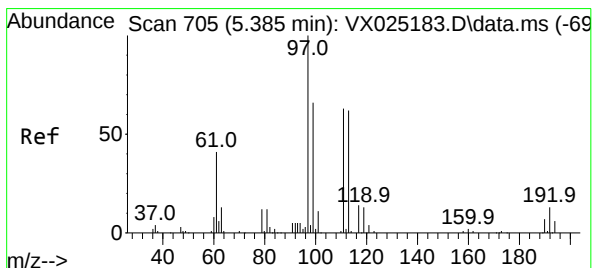
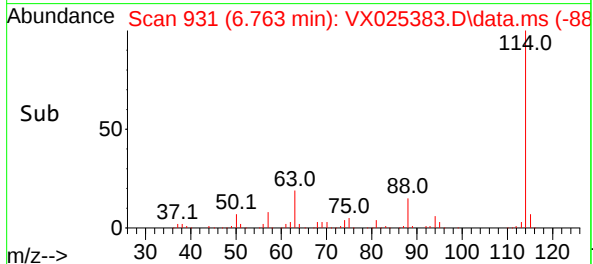
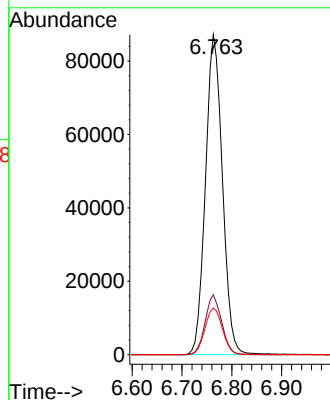
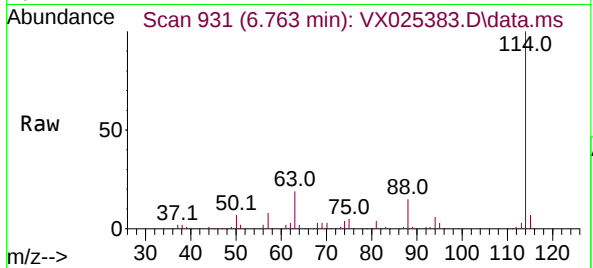




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

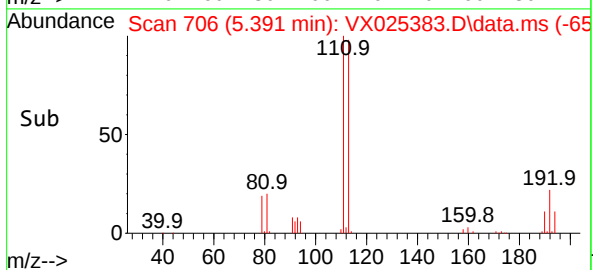
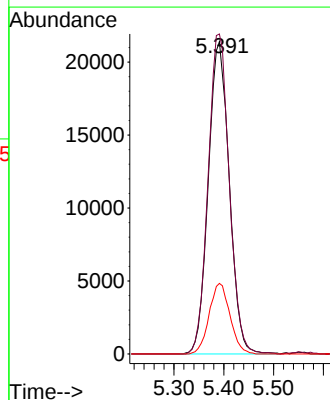
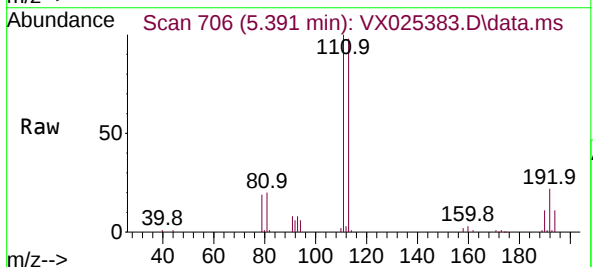
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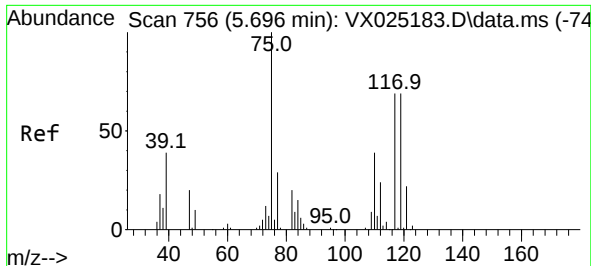
Tgt Ion:114 Resp: 206040
Ion Ratio Lower Upper
114 100
63 18.7 0.0 41.0
88 14.5 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.523 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

Tgt Ion:113 Resp: 62607
Ion Ratio Lower Upper
113 100
111 103.3 82.1 123.1
192 22.4 15.6 23.4

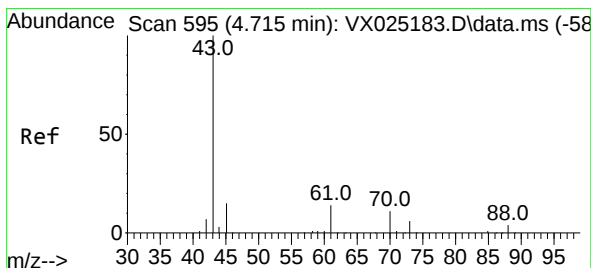
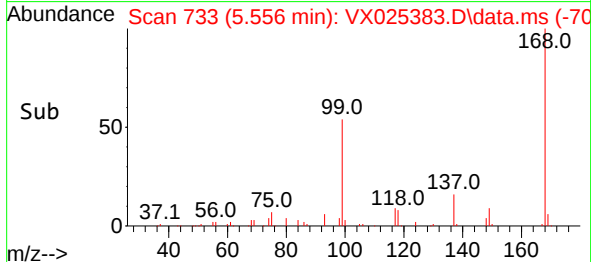
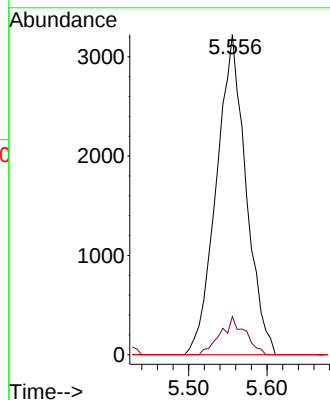
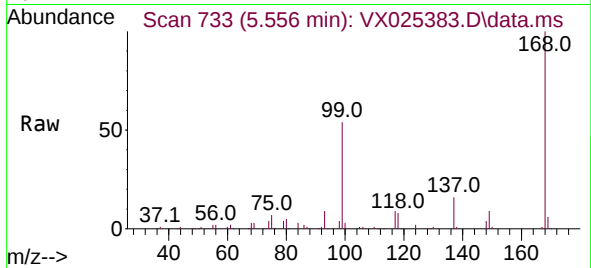




#36
1,1-Dichloropropene
Concen: 4.712 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

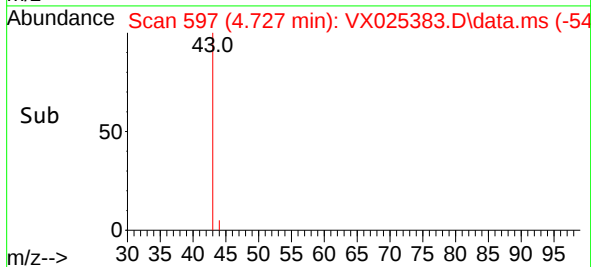
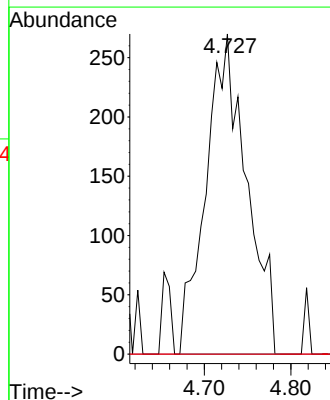
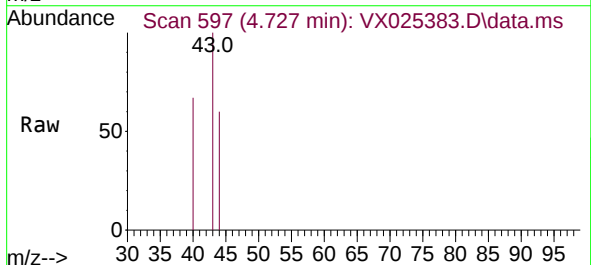
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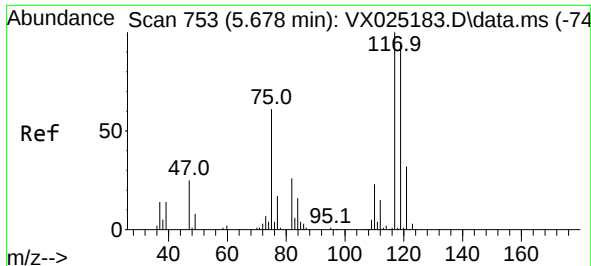
Tgt Ion: 75 Resp: 8471
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.3#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.432 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

Tgt Ion: 43 Resp: 884
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 8.6 12.8#

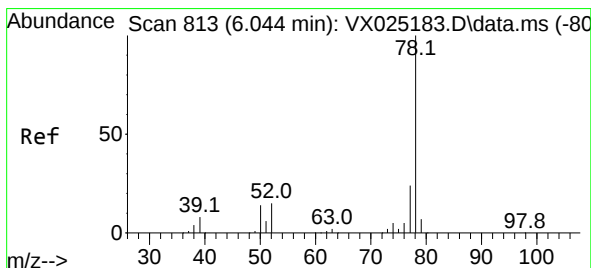
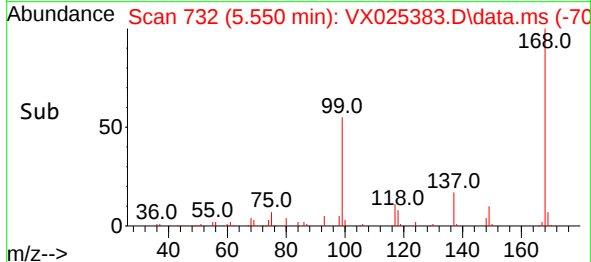
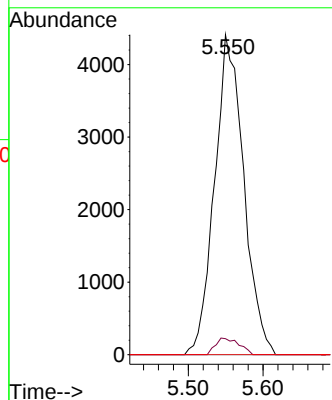
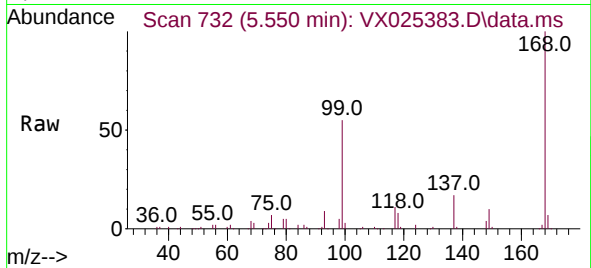




#38
Carbon Tetrachloride
Concen: 6.041 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

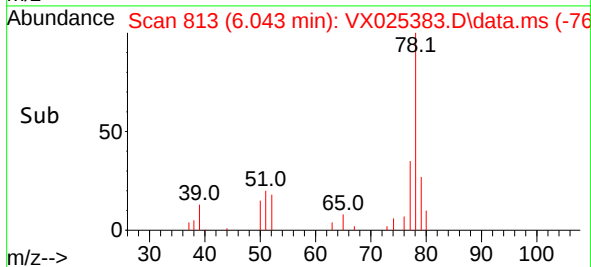
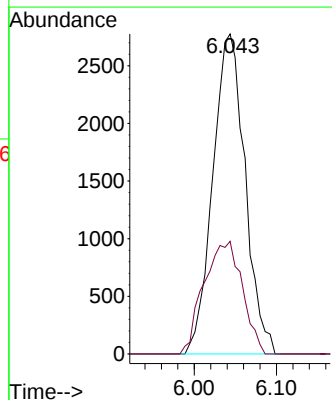
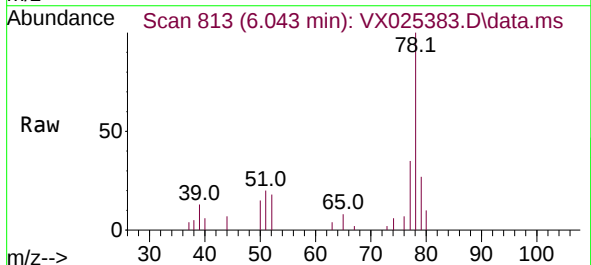
Instrument :
MSVOA_X
ClientSampleId :
20928

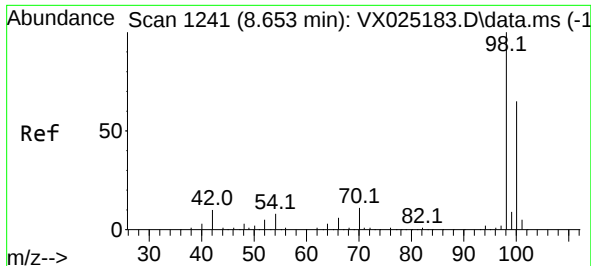
Tgt Ion:117 Resp: 11961
Ion Ratio Lower Upper
117 100
119 5.0 75.6 113.4#
121 0.0 23.7 35.5#



#40
Benzene
Concen: 1.388 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

Tgt Ion: 78 Resp: 7560
Ion Ratio Lower Upper
78 100
77 35.2 18.3 27.5#





#50

Toluene-d8

Concen: 50.581 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX025383.D

Acq: 29 Nov 2021 20:28

Instrument :

MSVOA_X

ClientSampleId :

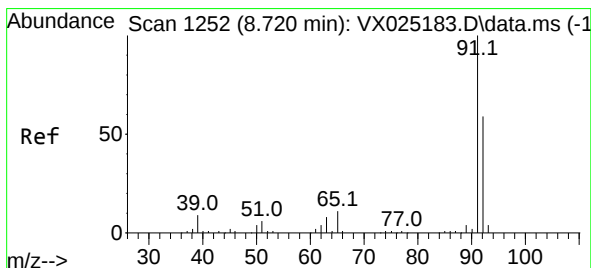
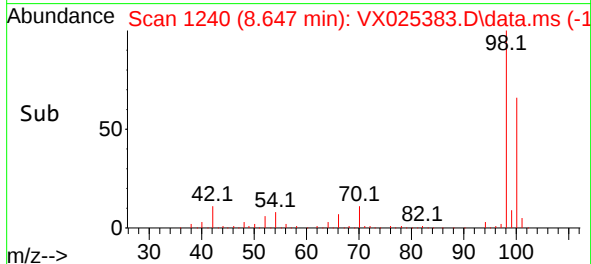
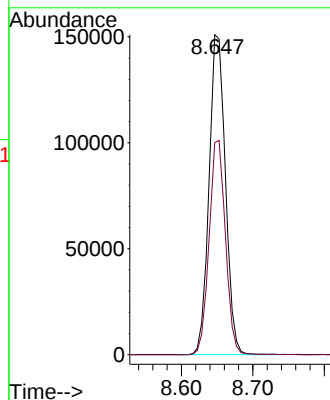
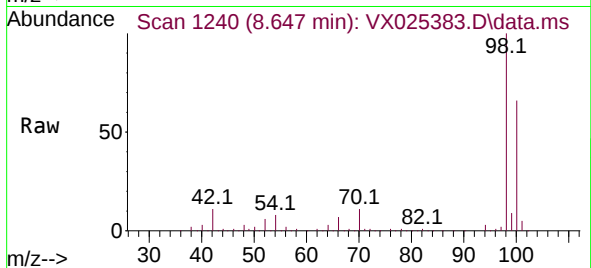
20928

Tgt Ion: 98 Resp: 240423

Ion Ratio Lower Upper

98 100

100 66.7 51.4 77.0



#52

Toluene

Concen: 1.571 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX025383.D

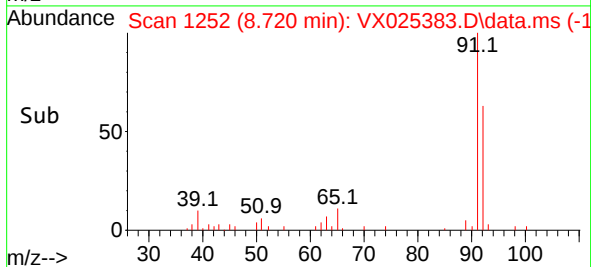
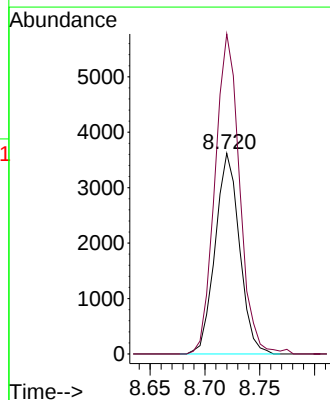
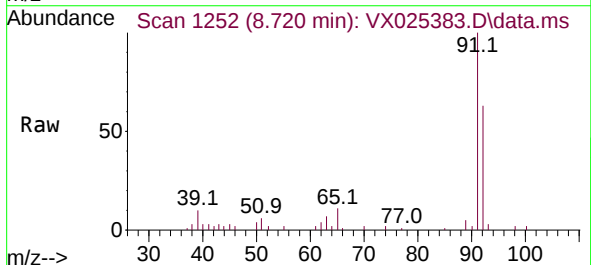
Acq: 29 Nov 2021 20:28

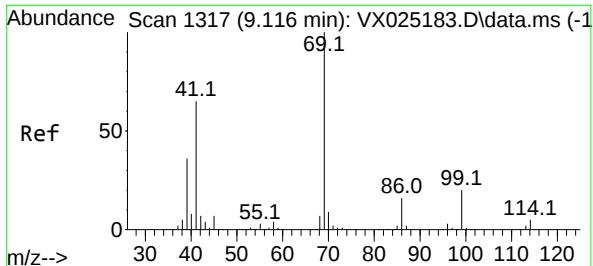
Tgt Ion: 92 Resp: 5584

Ion Ratio Lower Upper

92 100

91 161.6 138.6 208.0





#56

Ethyl methacrylate

Concen: 0.476 ug/l

RT: 9.238 min Scan# 1337

Delta R.T. 0.122 min

Lab File: VX025383.D

Acq: 29 Nov 2021 20:28

Instrument :

MSVOA_X

ClientSampleId :

20928

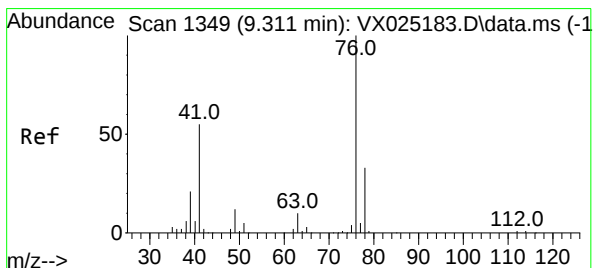
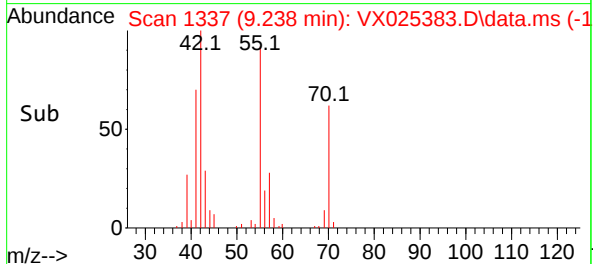
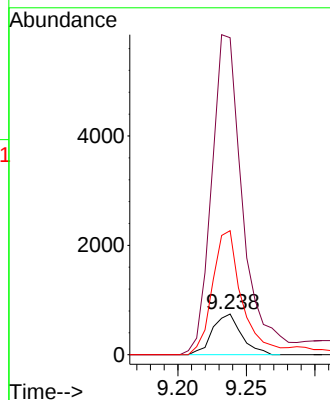
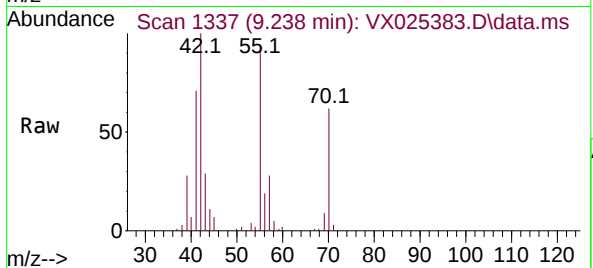
Tgt Ion: 69 Resp: 1091

Ion Ratio Lower Upper

69 100

41 853.1 55.3 82.9#

39 314.6 30.2 45.4#



#57

1,3-Dichloropropane

Concen: 0.224 ug/l

RT: 9.567 min Scan# 1391

Delta R.T. 0.256 min

Lab File: VX025383.D

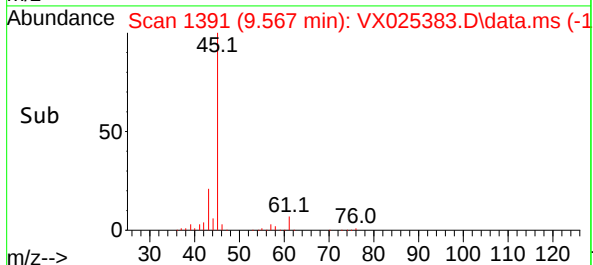
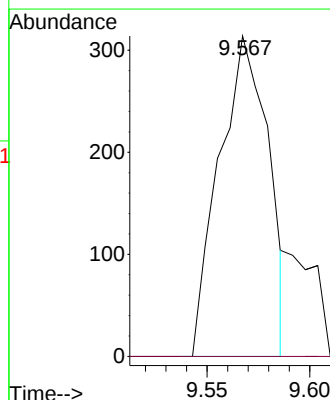
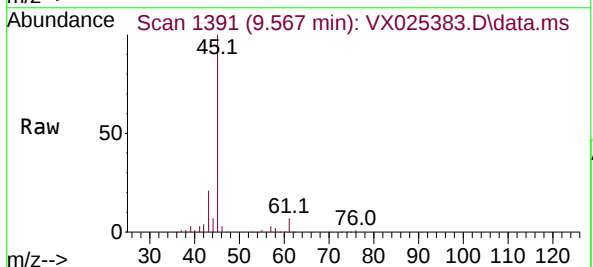
Acq: 29 Nov 2021 20:28

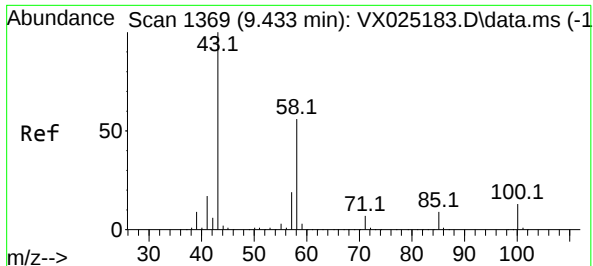
Tgt Ion: 76 Resp: 524

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 17.498 ug/l

RT: 9.567 min Scan# 1391

Delta R.T. 0.134 min

Lab File: VX025383.D

Acq: 29 Nov 2021 20:28

Instrument :

MSVOA_X

ClientSampleId :

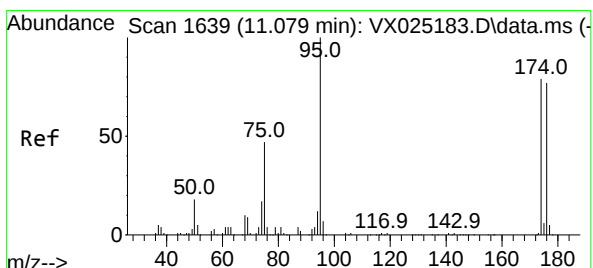
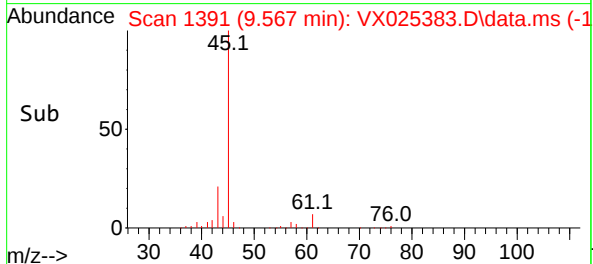
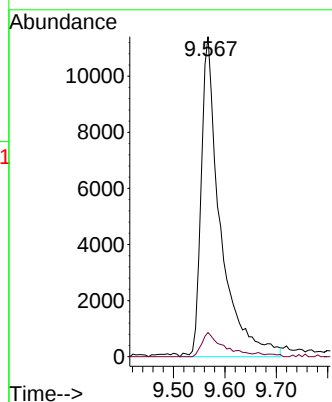
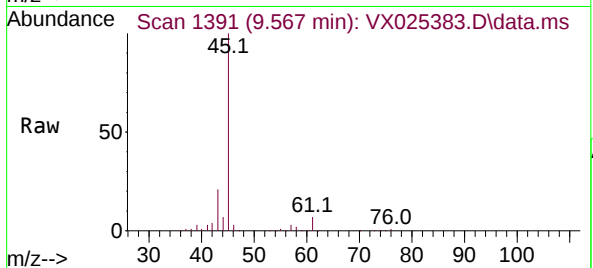
20928

Tgt Ion: 43 Resp: 29443

Ion Ratio Lower Upper

43 100

58 8.4 26.6 79.7#



#62

4-Bromofluorobenzene

Concen: 47.941 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX025383.D

Acq: 29 Nov 2021 20:28

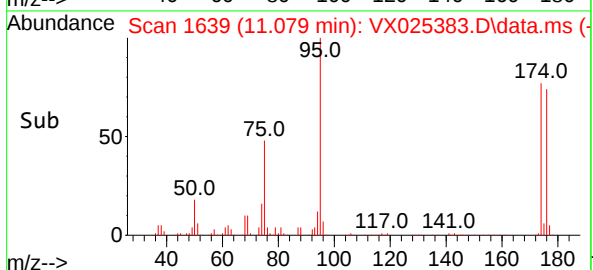
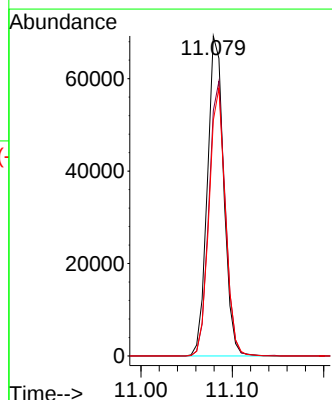
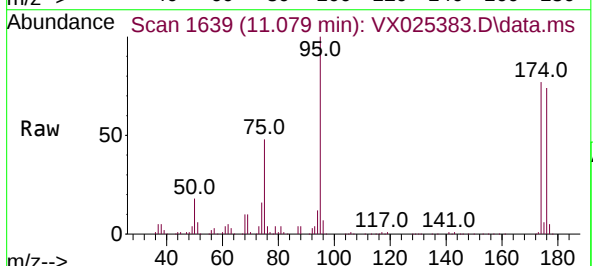
Tgt Ion: 95 Resp: 86206

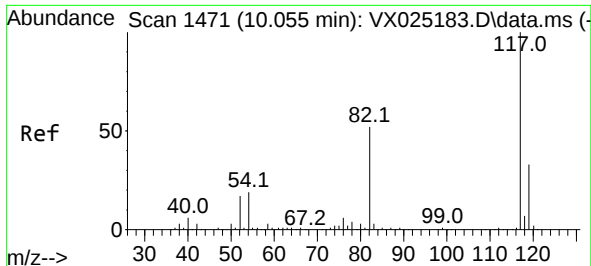
Ion Ratio Lower Upper

95 100

174 86.0 0.0 158.0

176 83.6 0.0 153.6

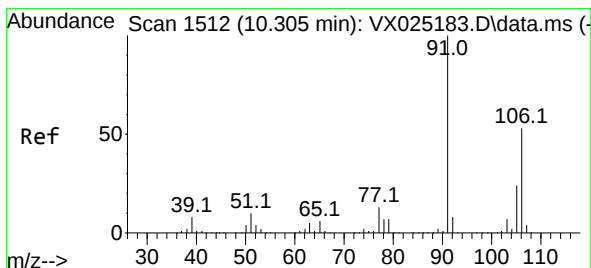
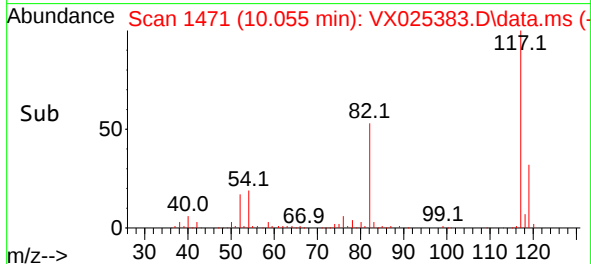
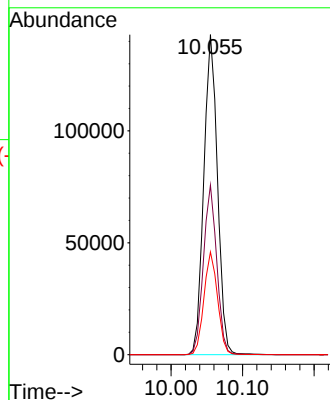
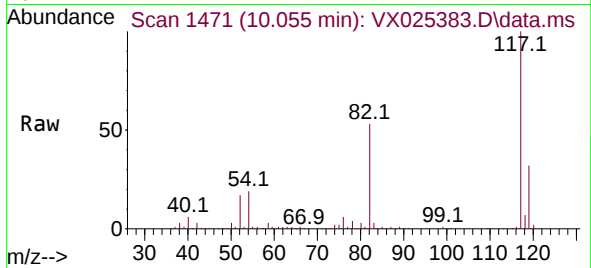




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

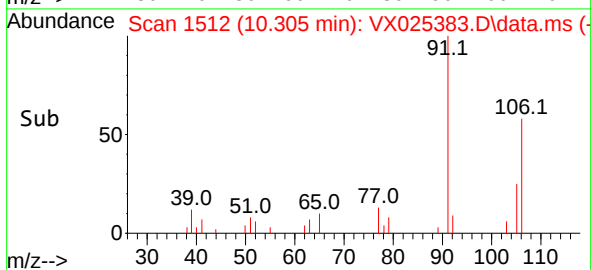
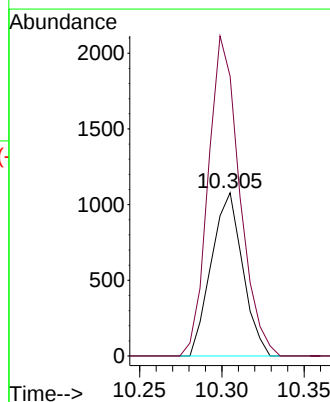
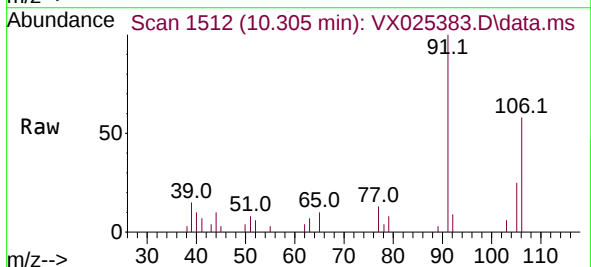
Instrument :
MSVOA_X
ClientSampleId :
20928

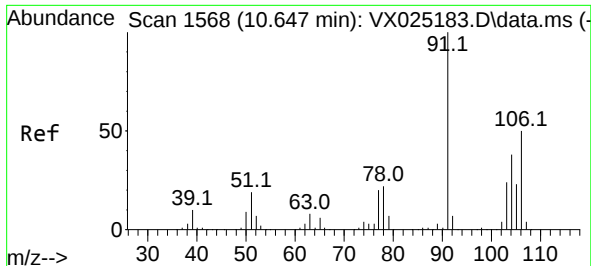
Tgt Ion:117 Resp: 190211
Ion Ratio Lower Upper
117 100
82 53.0 44.6 67.0
119 32.1 24.8 37.2



#68
m/p-Xylenes
Concen: 0.523 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

Tgt Ion:106 Resp: 1432
Ion Ratio Lower Upper
106 100
91 195.7 163.4 245.0





#69

o-Xylene

Concen: 0.267 ug/l

RT: 10.646 min Scan# 11

Delta R.T. -0.001 min

Lab File: VX025383.D

Acq: 29 Nov 2021 20:28

Instrument :

MSVOA_X

ClientSampleId :

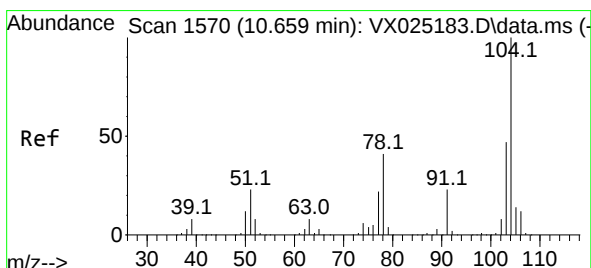
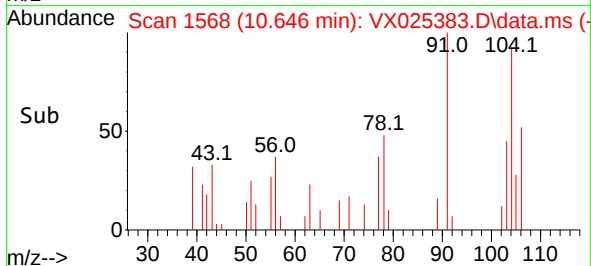
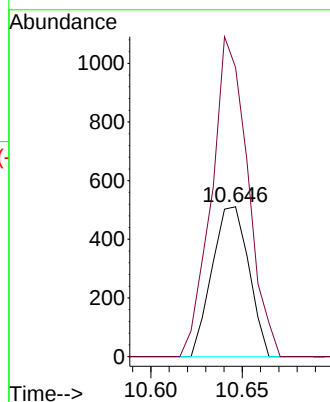
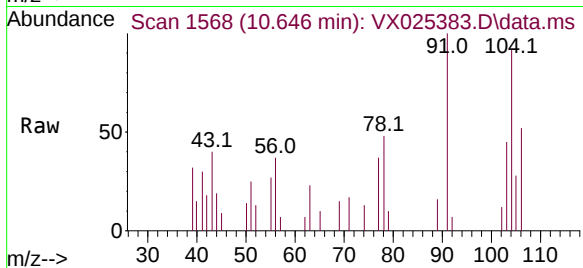
20928

Tgt Ion:106 Resp: 714

Ion Ratio Lower Upper

106 100

91 210.6 109.5 328.4



#70

Styrene

Concen: 0.675 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. -0.000 min

Lab File: VX025383.D

Acq: 29 Nov 2021 20:28

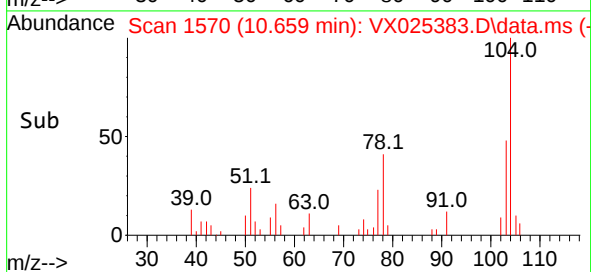
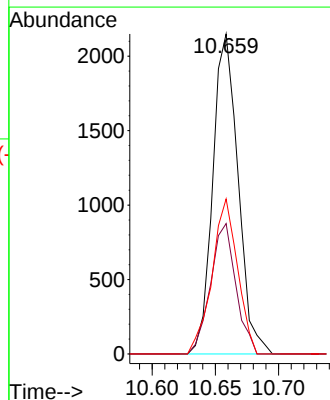
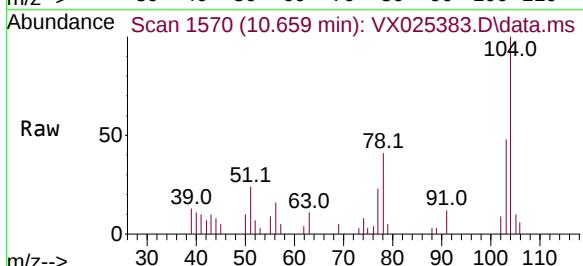
Tgt Ion:104 Resp: 2984

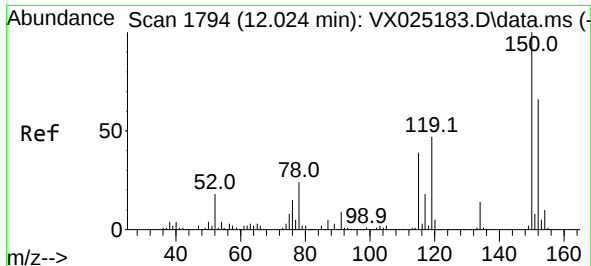
Ion Ratio Lower Upper

104 100

78 40.9 41.3 61.9#

103 48.8 43.5 65.3

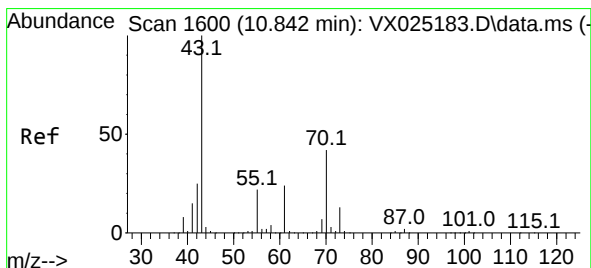
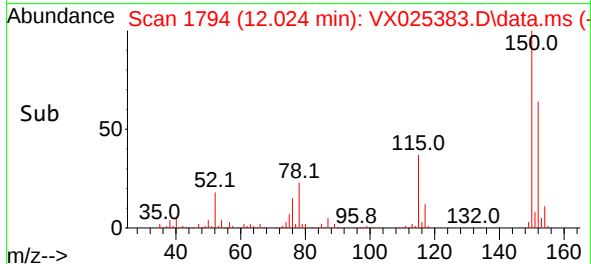
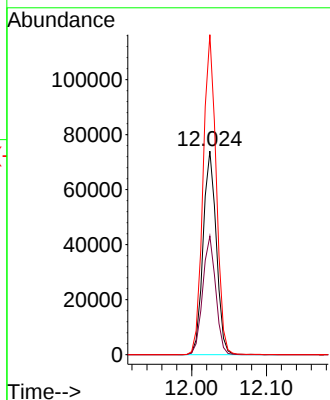
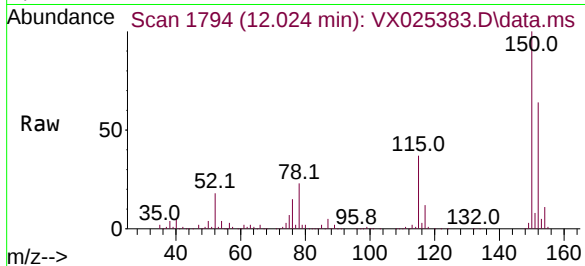




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

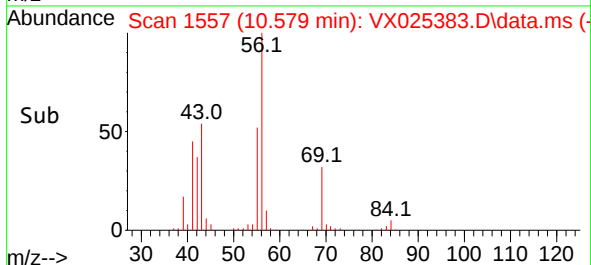
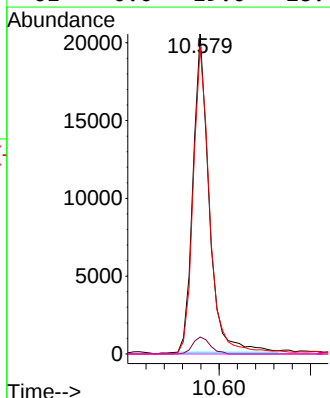
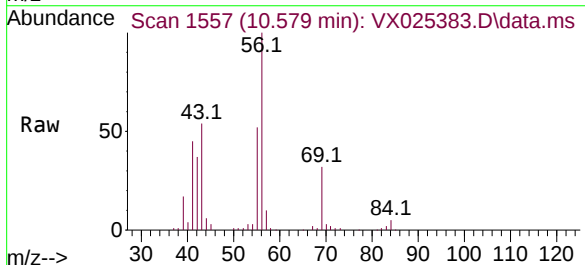
Instrument :
MSVOA_X
ClientSampleId :
20928

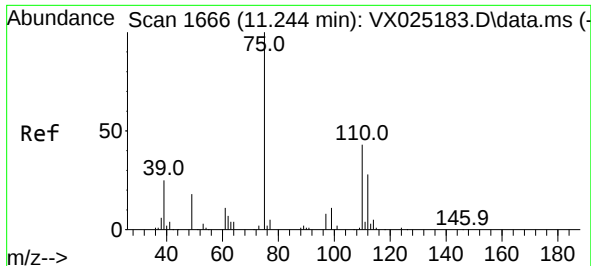
Tgt Ion:152 Resp: 90648
Ion Ratio Lower Upper
152 100
115 57.3 43.3 129.8
150 156.5 0.0 351.2



#74
N-ethyl acetate
Concen: 9.016 ug/l
RT: 10.579 min Scan# 1557
Delta R.T. -0.263 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

Tgt Ion: 43 Resp: 25193
Ion Ratio Lower Upper
43 100
70 5.7 33.7 50.5#
55 96.6 19.7 29.5#
61 0.0 19.0 28.4#

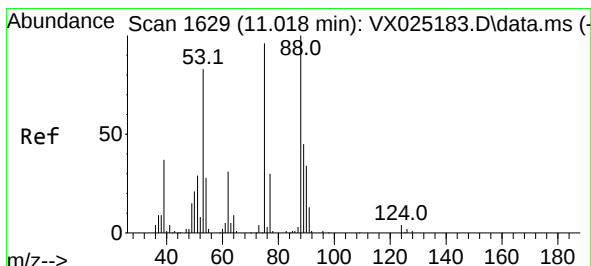
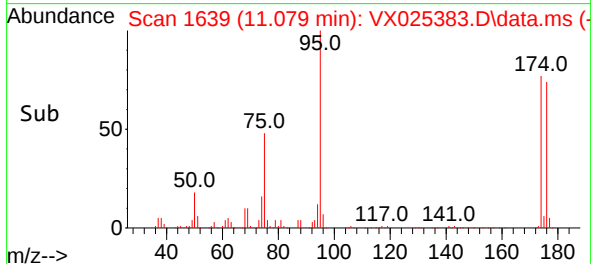
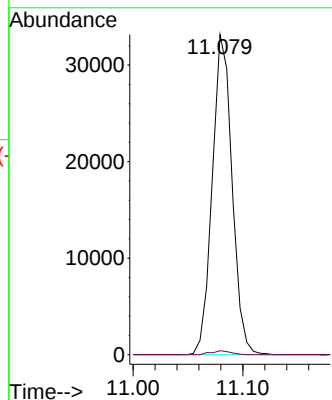
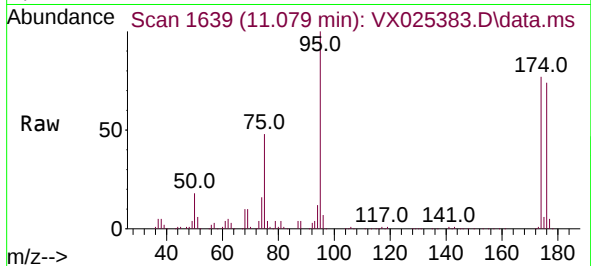




#76
1,2,3-Trichloropropane
Concen: 22.415 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

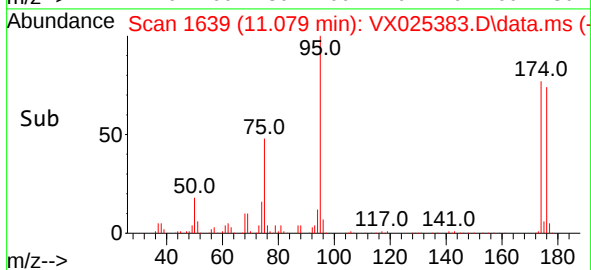
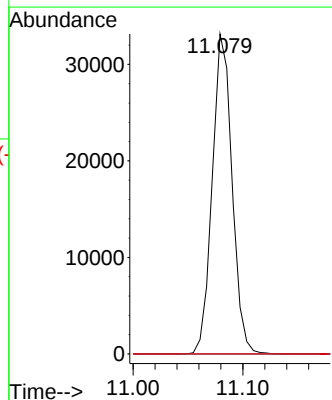
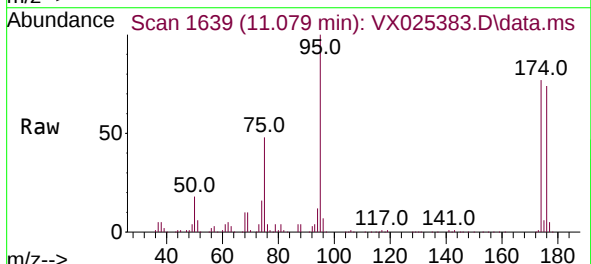
Instrument :
MSVOA_X
ClientSampleId :
20928

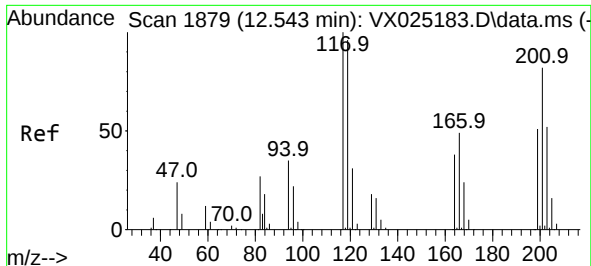
Tgt Ion: 75 Resp: 41608
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.466 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

Tgt Ion: 75 Resp: 41608
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#

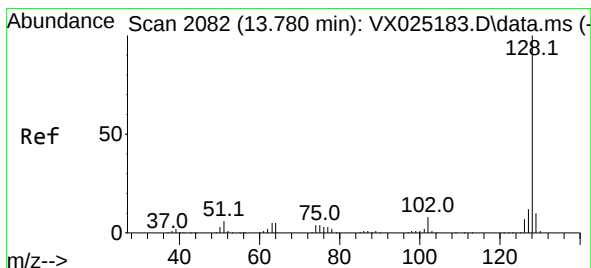
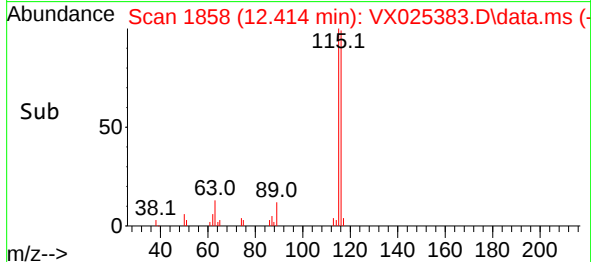
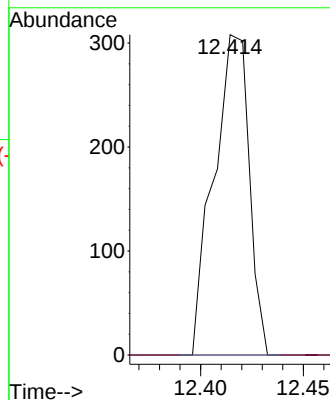
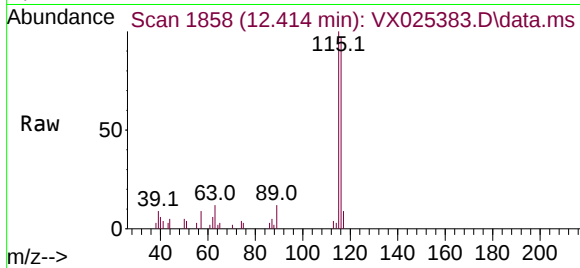




#90
Hexachloroethane
Concen: 0.348 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.129 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

Instrument :
MSVOA_X
ClientSampleId :
20928

Tgt Ion:117 Resp: 370
Ion Ratio Lower Upper
117 100
201 0.0 38.9 116.6#



#95
Naphthalene
Concen: 0.460 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025383.D
Acq: 29 Nov 2021 20:28

Tgt Ion:128 Resp: 5088
Ion Ratio Lower Upper
128 100
127 11.5 10.3 15.5
129 11.6 8.8 13.2

