

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025369.D
 Acq On : 29 Nov 2021 15:01
 Operator : JC/MD
 Sample : M4837-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20935

Quant Time: Nov 30 04:02:14 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)

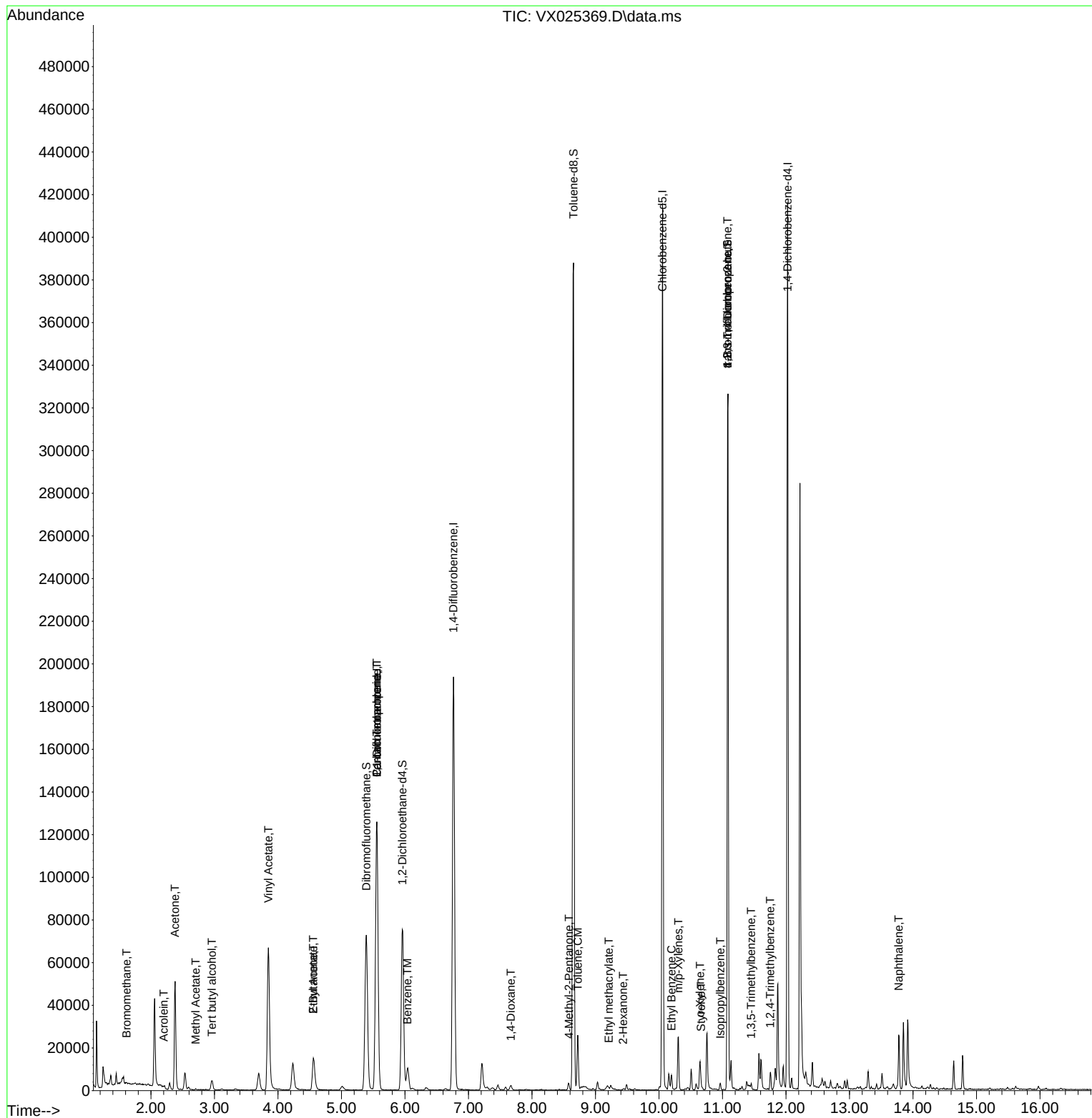
Internal Standards						
1) Pentafluorobenzene	5.556	168	129541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	209739	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70455	51.598	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.200%
35) Dibromofluoromethane	5.391	113	63313	49.199	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.400%
50) Toluene-d8	8.653	98	239151	49.426	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.860%
62) 4-Bromofluorobenzene	11.079	95	86160	47.070	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.140%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	190	0.290	ug/l #	72
11) Tert butyl alcohol	2.959	59	5344	7.136	ug/l	95
13) Acrolein	2.203	56	82	1.311	ug/l #	71
16) Acetone	2.380	43	52079	68.640	ug/l	99
18) Methyl Acetate	2.703	43	639	0.264	ug/l #	67
23) Vinyl Acetate	3.849	43	10525	3.166	ug/l #	72
25) 2-Butanone	4.556	43	27179	24.777	ug/l	97
36) 1,1-Dichloropropene	5.556	75	8676	4.741	ug/l #	50
37) Ethyl Acetate	4.556	43	27179	13.054	ug/l #	68
38) Carbon Tetrachloride	5.556	117	11945	5.927	ug/l #	17
40) Benzene	6.038	78	12391	2.235	ug/l	98
49) 1,4-Dioxane	7.665	88	1476	42.982	ug/l	91
51) 4-Methyl-2-Pentanone	8.580	43	2087	0.961	ug/l	100
52) Toluene	8.720	92	8998	2.486	ug/l	99
56) Ethyl methacrylate	9.208	69	686	0.294	ug/l #	48
59) 2-Hexanone	9.433	43	400	0.234	ug/l	72
67) Ethyl Benzene	10.195	91	3988	0.602	ug/l	92
68) m/p-Xylenes	10.305	106	6220	2.299	ug/l	97
69) o-Xylene	10.647	106	2796	1.056	ug/l	90
70) Styrene	10.659	104	1715	0.392	ug/l #	84
73) Isopropylbenzene	10.964	105	1750	0.275	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	40772	22.315	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.451	105	1450	0.271	ug/l	90
81) trans-1,4-Dichloro-2-b...	11.079	75	40772	56.216	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.750	105	3837	0.726	ug/l	100
95) Naphthalene	13.774	128	16131	2.322	ug/l	99

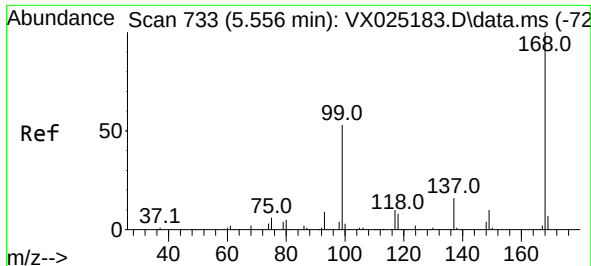
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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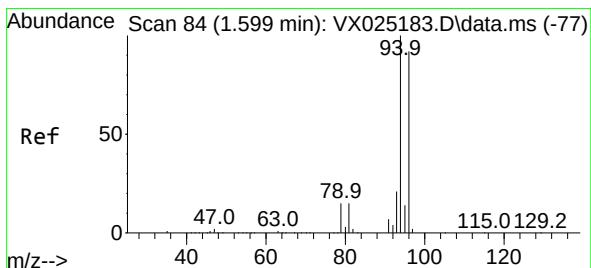
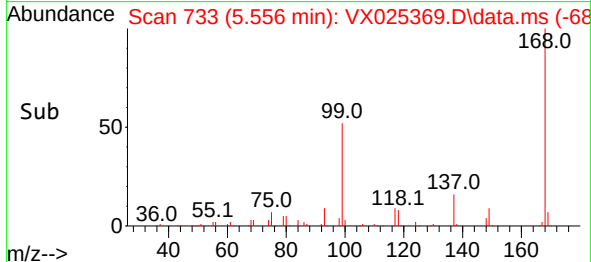
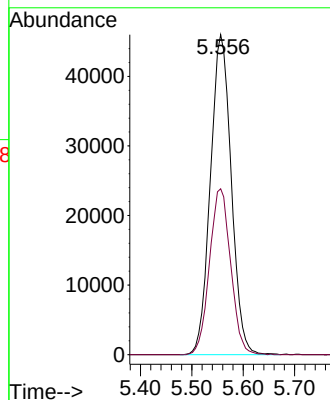
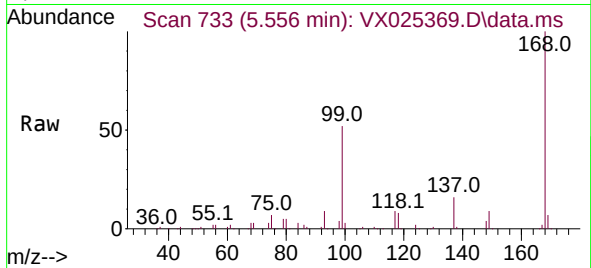




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

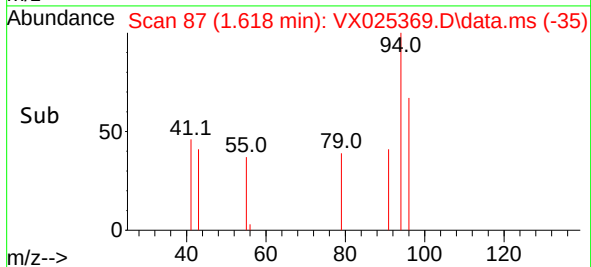
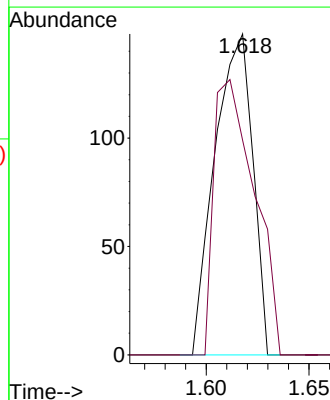
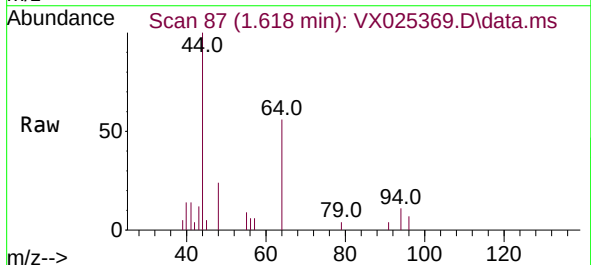
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MSVOA_X
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20935

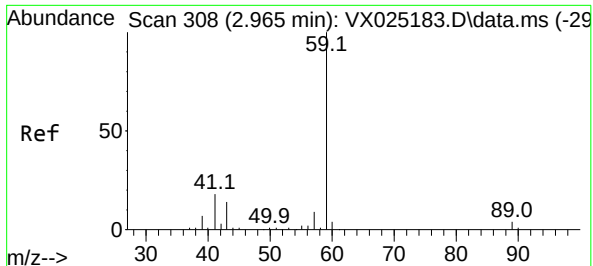
Tgt Ion:168 Resp: 129541
Ion Ratio Lower Upper
168 100
99 51.9 46.4 69.6



#5
Bromomethane
Concen: 0.290 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

Tgt Ion: 94 Resp: 190
Ion Ratio Lower Upper
94 100
96 66.9 74.8 112.2#





#11

Tert butyl alcohol

Concen: 7.136 ug/l

RT: 2.959 min Scan# 30

Delta R.T. -0.006 min

Lab File: VX025369.D

Acq: 29 Nov 2021 15:01

Instrument :

MSVOA_X

ClientSampleId :

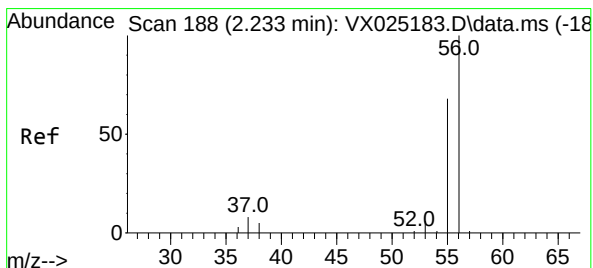
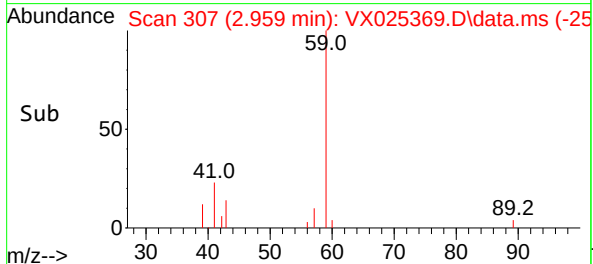
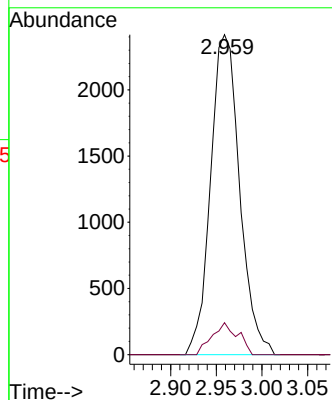
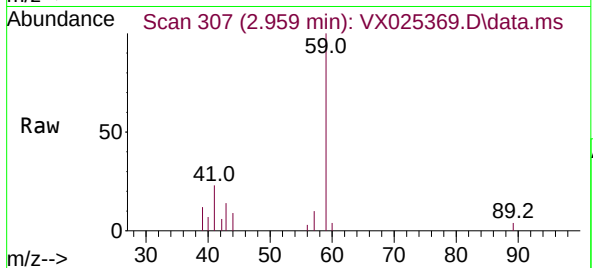
20935

Tgt Ion: 59 Resp: 5344

Ion Ratio Lower Upper

59 100

57 8.9 8.5 12.7



#13

Acrolein

Concen: 1.311 ug/l

RT: 2.203 min Scan# 183

Delta R.T. -0.030 min

Lab File: VX025369.D

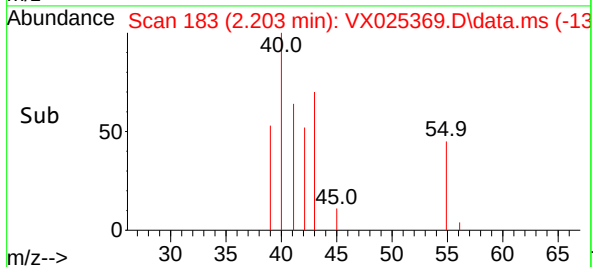
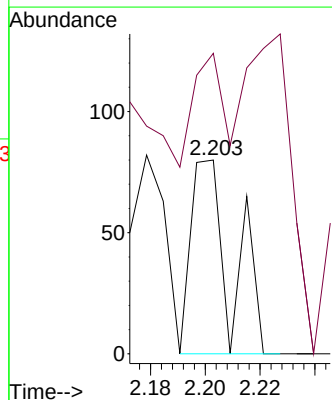
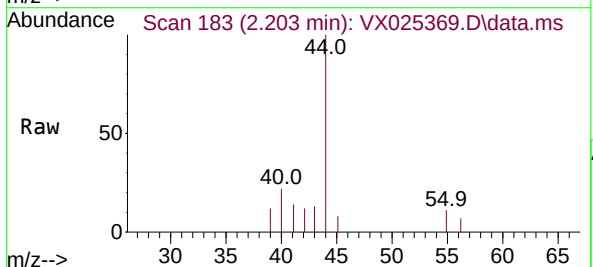
Acq: 29 Nov 2021 15:01

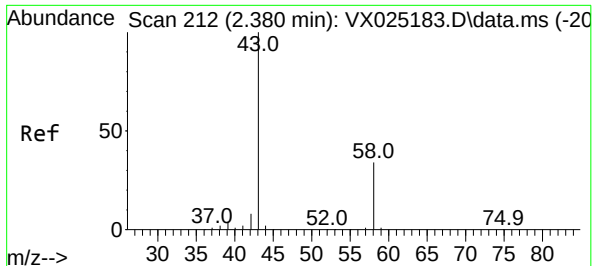
Tgt Ion: 56 Resp: 82

Ion Ratio Lower Upper

56 100

55 48.8 58.6 87.8#

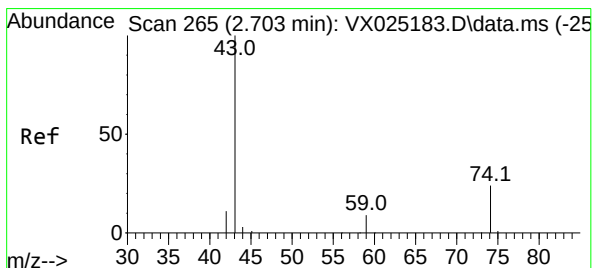
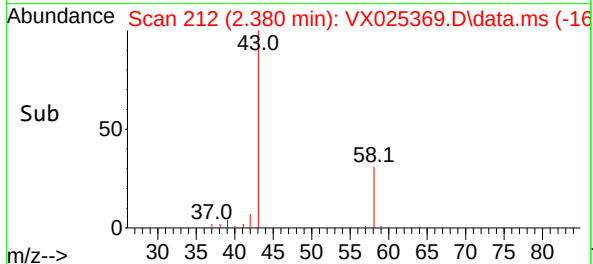
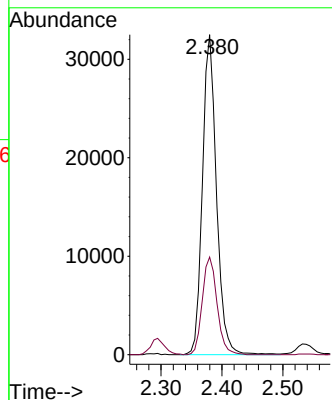
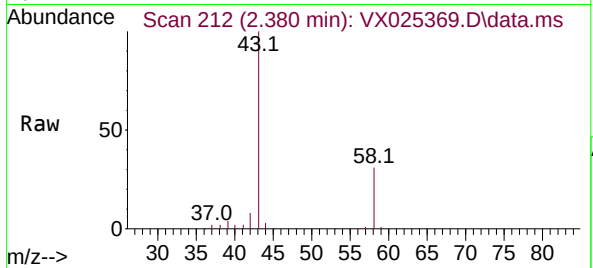




#16
Acetone
Concen: 68.640 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

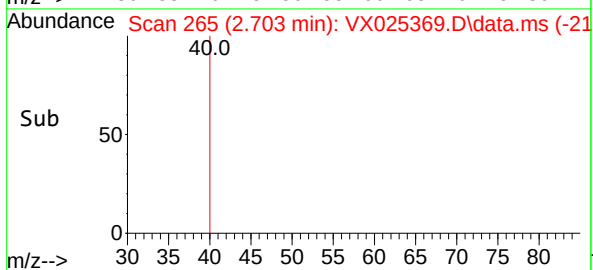
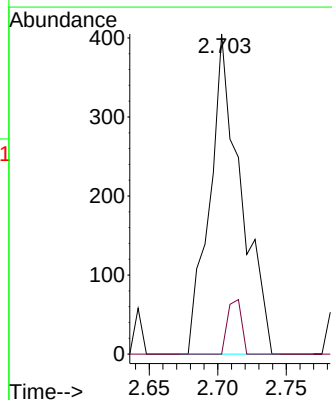
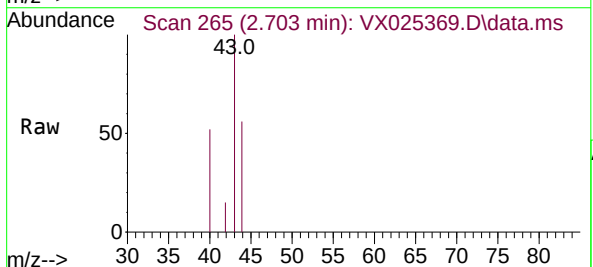
Instrument :
MSVOA_X
ClientSampleId :
20935

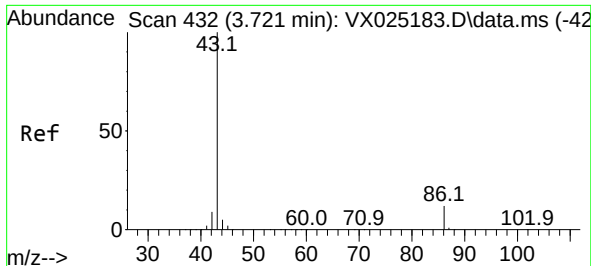
Tgt Ion: 43 Resp: 52079
Ion Ratio Lower Upper
43 100
58 30.5 24.0 36.0



#18
Methyl Acetate
Concen: 0.264 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

Tgt Ion: 43 Resp: 639
Ion Ratio Lower Upper
43 100
74 7.5 19.0 28.6#

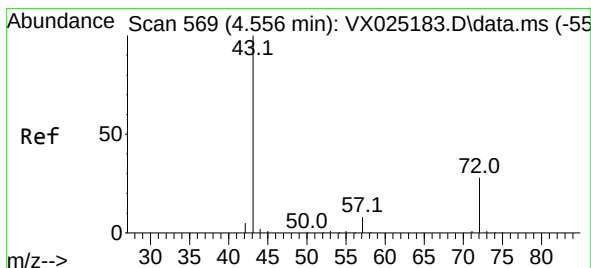
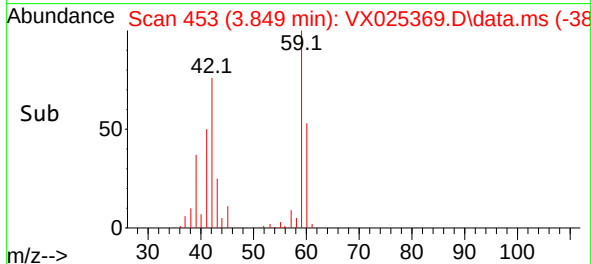
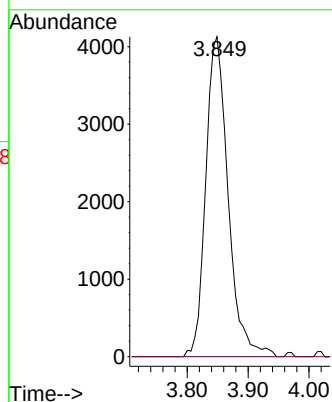
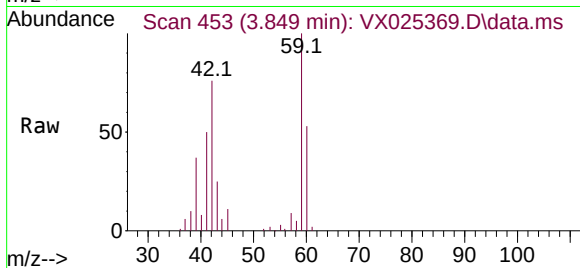




#23
 Vinyl Acetate
 Concen: 3.166 ug/l
 RT: 3.849 min Scan# 41
 Delta R.T. 0.128 min
 Lab File: VX025369.D
 Acq: 29 Nov 2021 15:01

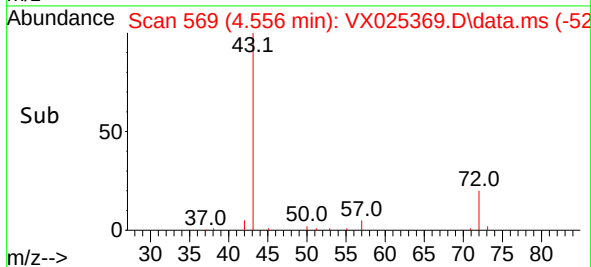
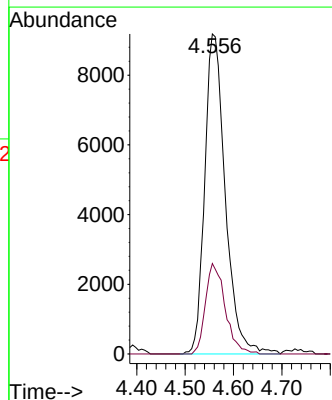
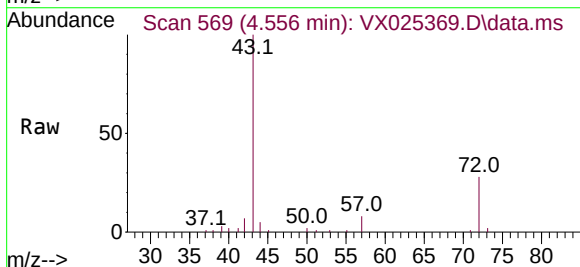
Instrument :
 MSVOA_X
 ClientSampleId :
 20935

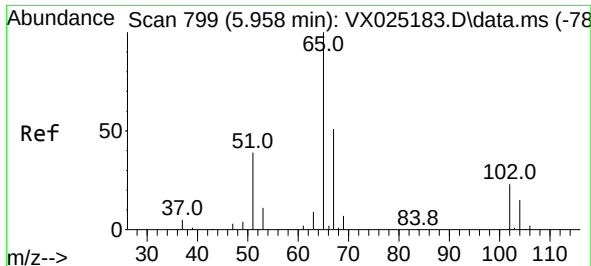
Tgt Ion: 43 Resp: 10525
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 24.777 ug/l
 RT: 4.556 min Scan# 569
 Delta R.T. 0.000 min
 Lab File: VX025369.D
 Acq: 29 Nov 2021 15:01

Tgt Ion: 43 Resp: 27179
 Ion Ratio Lower Upper
 43 100
 72 28.3 21.2 31.8





#33

1,2-Dichloroethane-d4

Concen: 51.598 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025369.D

Acq: 29 Nov 2021 15:01

Instrument :

MSVOA_X

ClientSampleId :

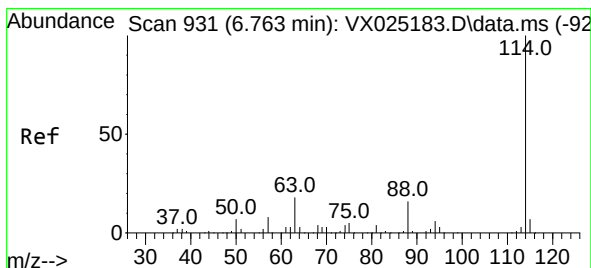
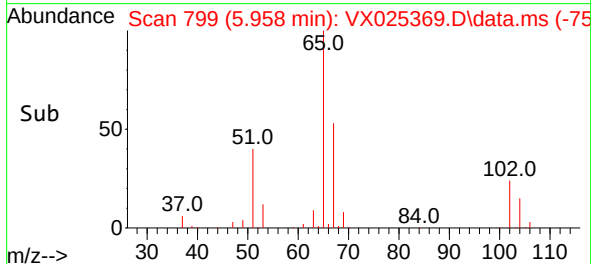
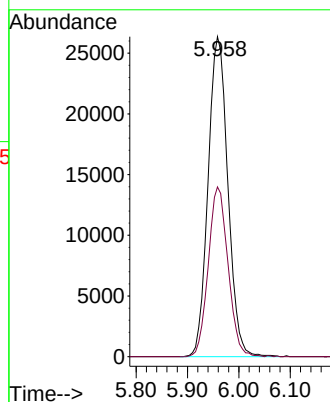
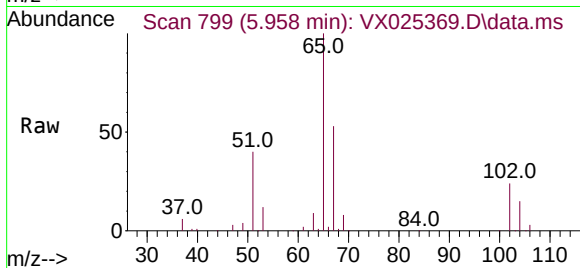
20935

Tgt Ion: 65 Resp: 70455

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# 931

Delta R.T. 0.000 min

Lab File: VX025369.D

Acq: 29 Nov 2021 15:01

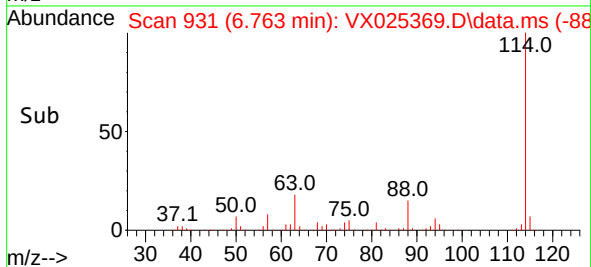
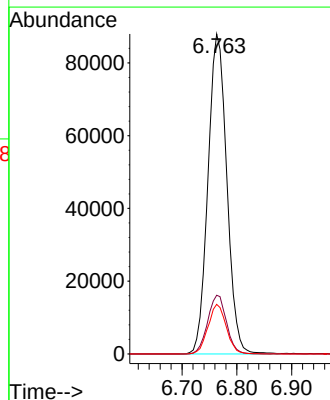
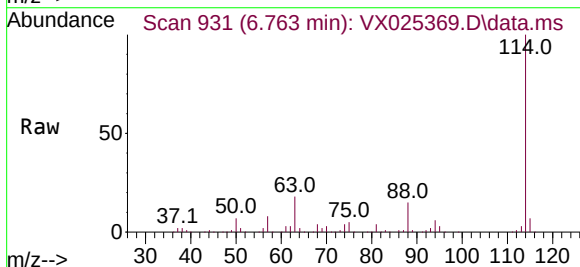
Tgt Ion: 114 Resp: 209739

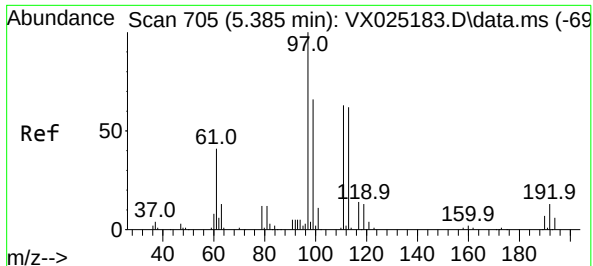
Ion Ratio Lower Upper

114 100

63 18.3 0.0 41.0

88 15.5 0.0 34.8





#35

Dibromofluoromethane

Concen: 49.199 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX025369.D

Acq: 29 Nov 2021 15:01

Instrument :

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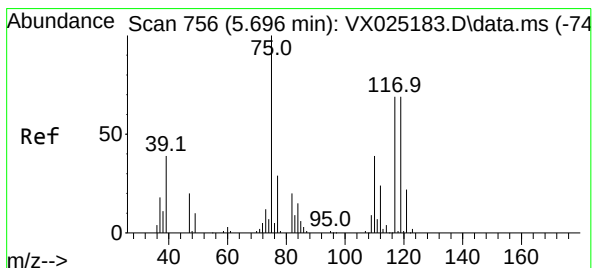
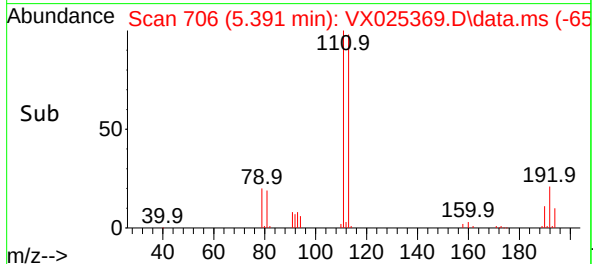
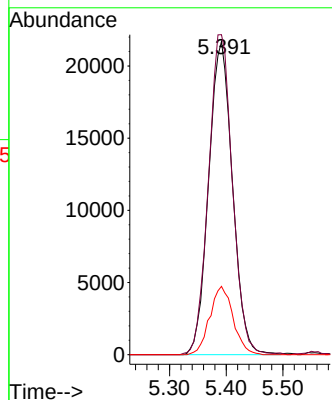
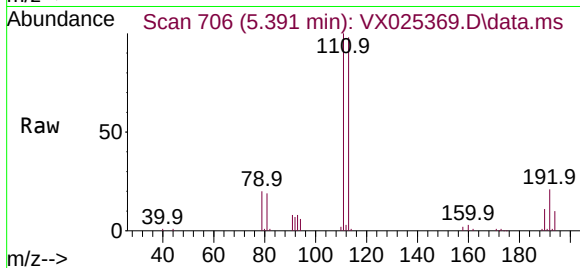
Tgt Ion:113 Resp: 63313

Ion Ratio Lower Upper

113 100

111 102.8 82.1 123.1

192 21.4 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.741 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025369.D

Acq: 29 Nov 2021 15:01

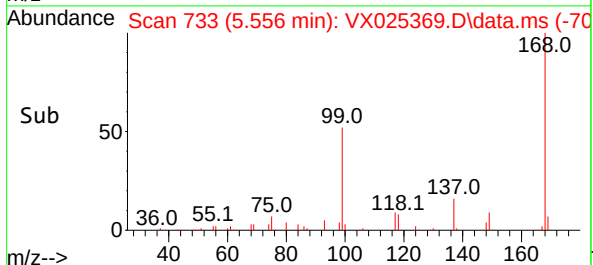
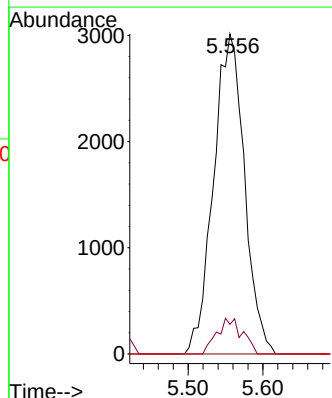
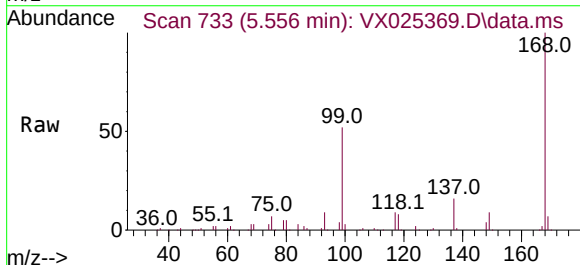
Tgt Ion: 75 Resp: 8676

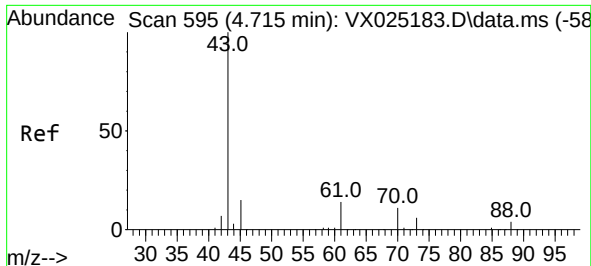
Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.3#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 13.054 ug/l

RT: 4.556 min Scan# 50

Delta R.T. -0.159 min

Lab File: VX025369.D

Acq: 29 Nov 2021 15:01

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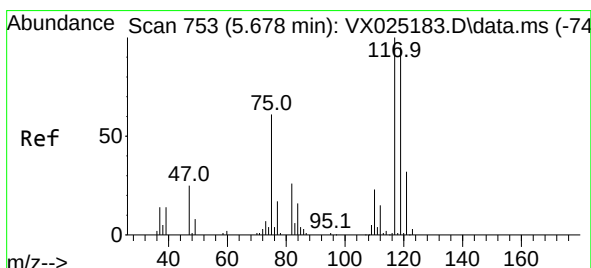
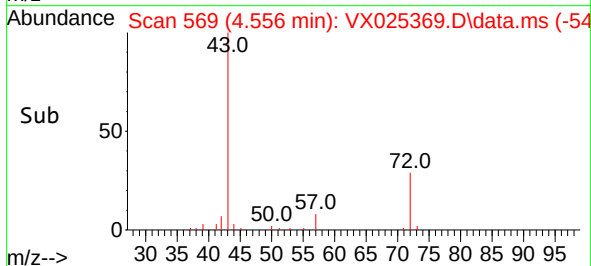
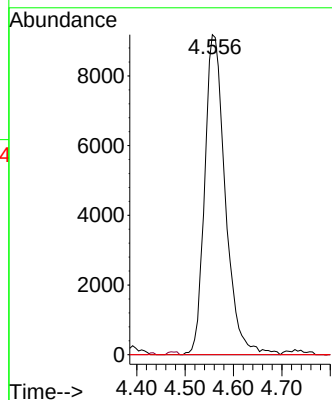
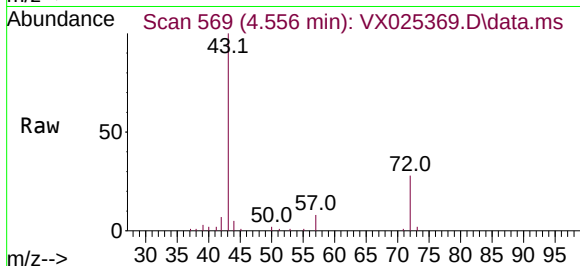
Tgt Ion: 43 Resp: 27179

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

70 0.0 8.6 12.8#



#38

Carbon Tetrachloride

Concen: 5.927 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX025369.D

Acq: 29 Nov 2021 15:01

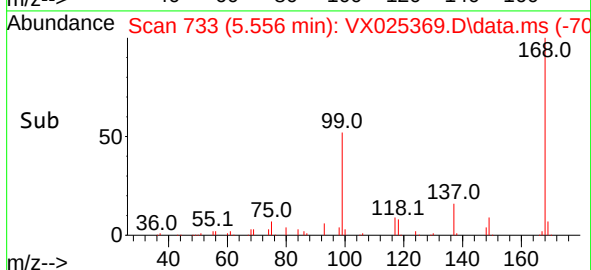
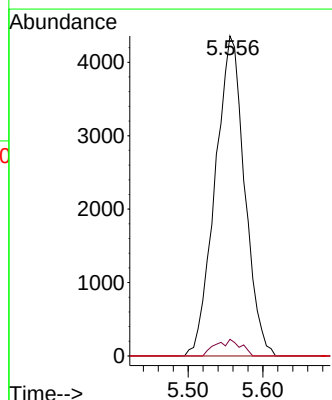
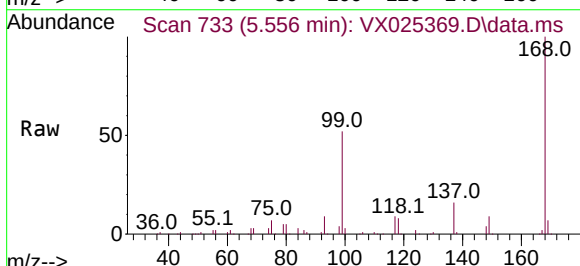
Tgt Ion: 117 Resp: 11945

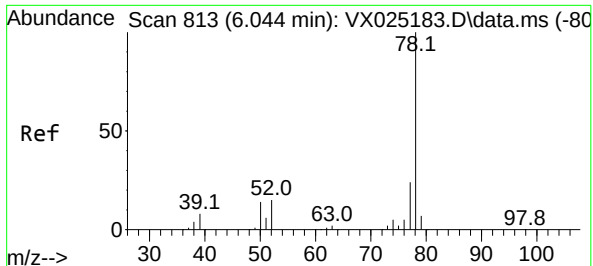
Ion Ratio Lower Upper

117 100

119 5.2 75.6 113.4#

121 0.0 23.7 35.5#

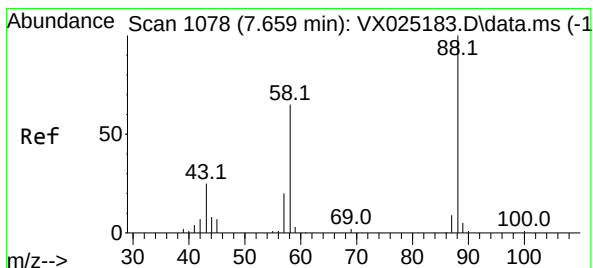
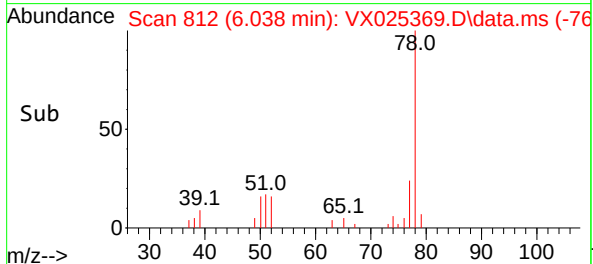
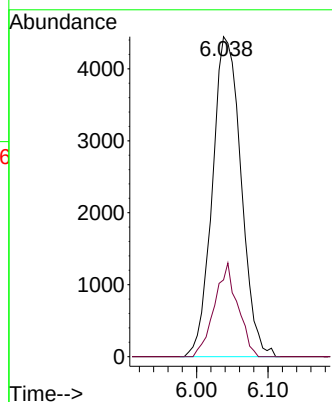
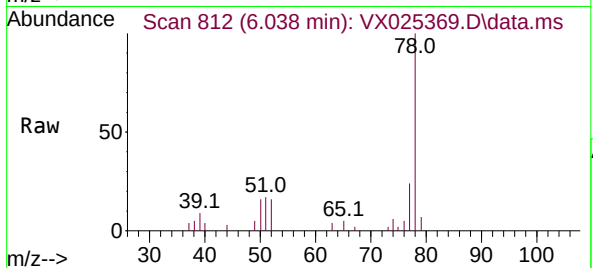




#40
Benzene
Concen: 2.235 ug/l
RT: 6.038 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

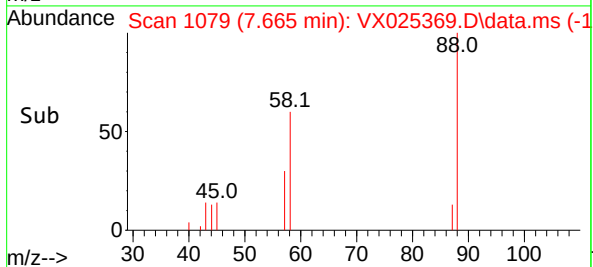
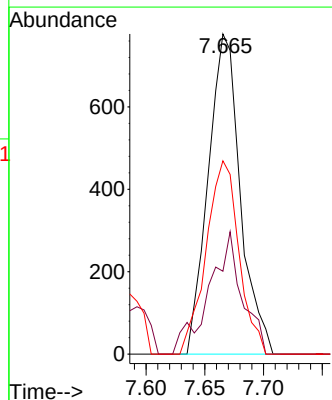
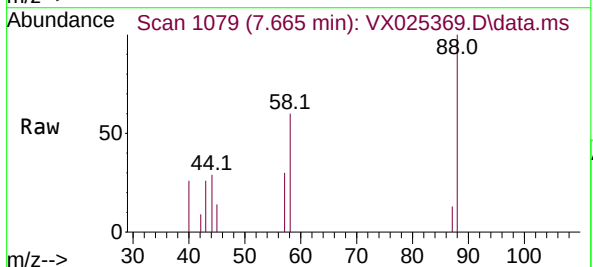
Instrument :
MSVOA_X
ClientSampleId :
20935

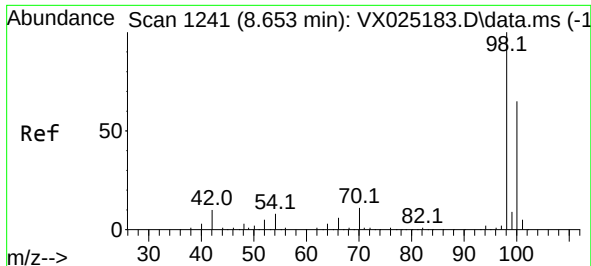
Tgt Ion: 78 Resp: 12391
Ion Ratio Lower Upper
78 100
77 24.0 18.3 27.5



#49
1,4-Dioxane
Concen: 42.982 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

Tgt Ion: 88 Resp: 1476
Ion Ratio Lower Upper
88 100
43 39.4 27.0 40.6
58 61.8 55.2 82.8

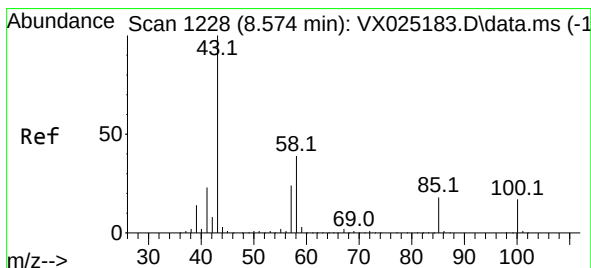
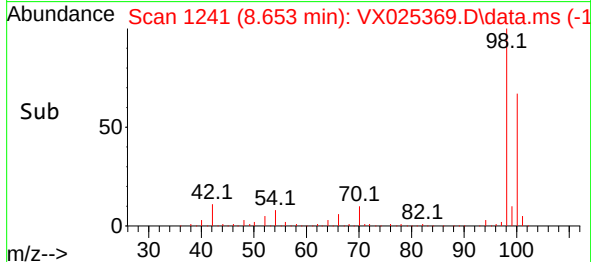
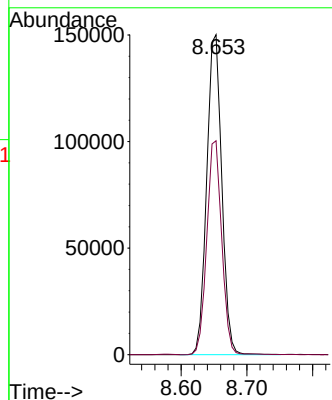
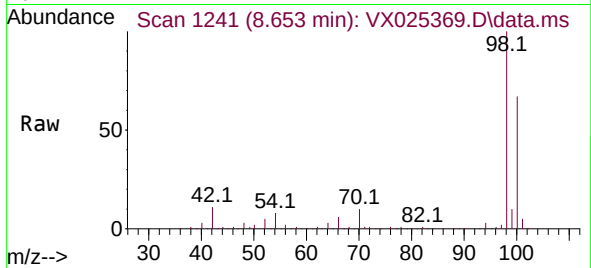




#50
Toluene-d8
Concen: 49.426 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

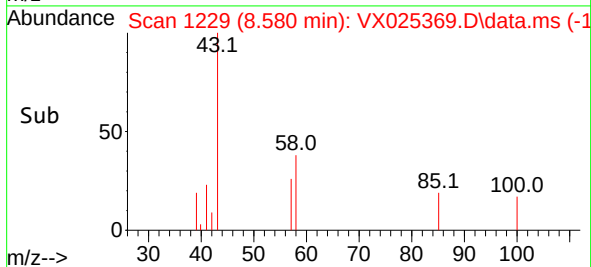
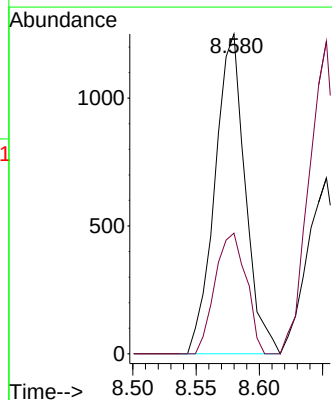
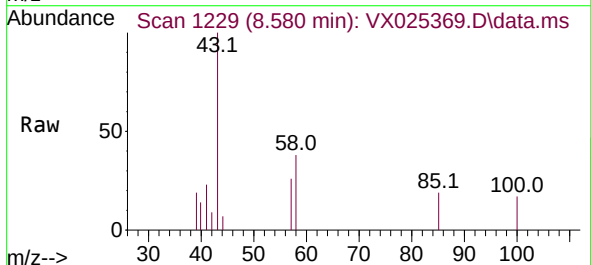
Instrument :
MSVOA_X
ClientSampleId :
20935

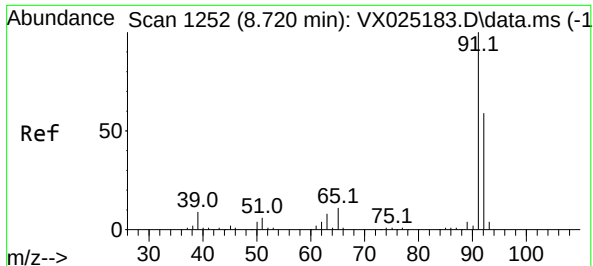
Tgt Ion: 98 Resp: 239151
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.961 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

Tgt Ion: 43 Resp: 2087
Ion Ratio Lower Upper
43 100
58 38.7 30.9 46.3





#52

Toluene

Concen: 2.486 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX025369.D

Acq: 29 Nov 2021 15:01

Instrument :

MSVOA_X

ClientSampleId :

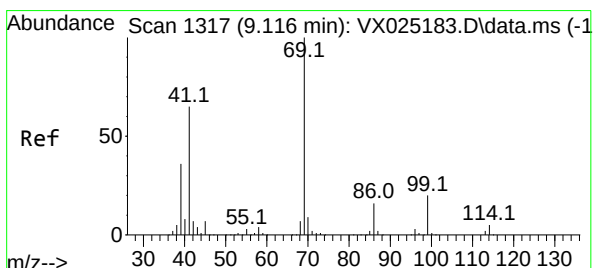
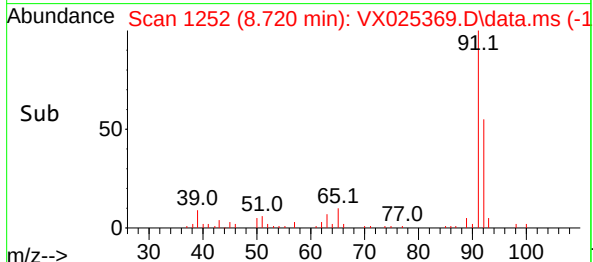
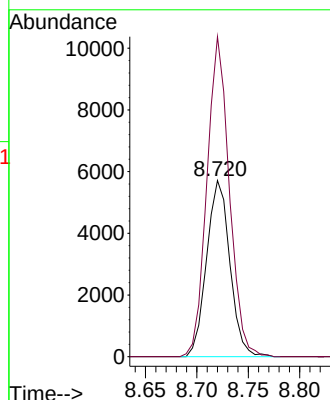
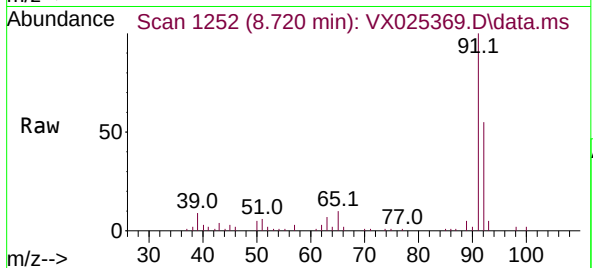
20935

Tgt Ion: 92 Resp: 8998

Ion Ratio Lower Upper

92 100

91 174.7 138.6 208.0



#56

Ethyl methacrylate

Concen: 0.294 ug/l

RT: 9.208 min Scan# 1332

Delta R.T. 0.092 min

Lab File: VX025369.D

Acq: 29 Nov 2021 15:01

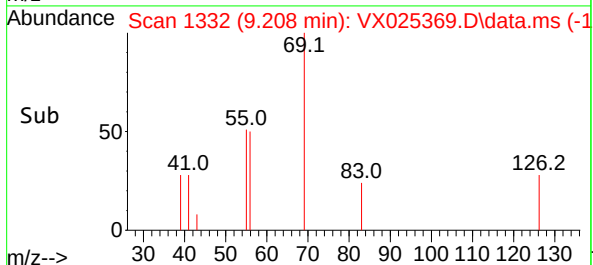
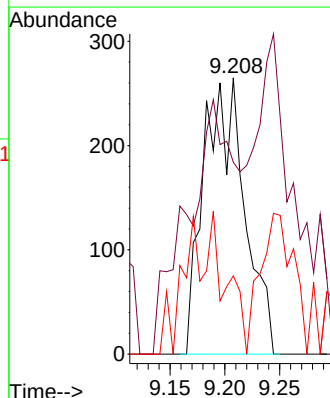
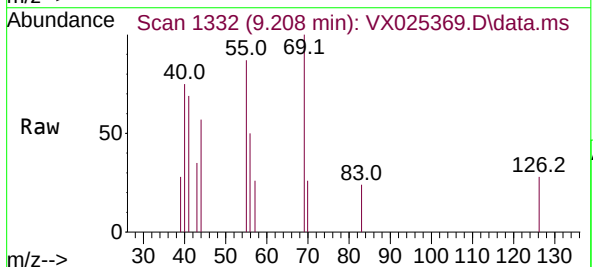
Tgt Ion: 69 Resp: 686

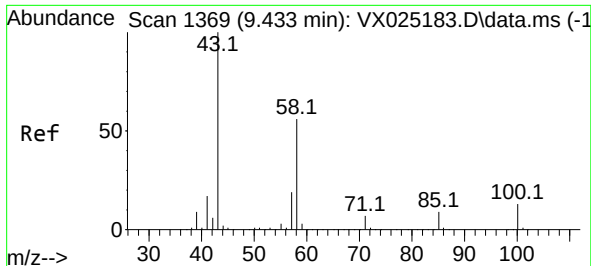
Ion Ratio Lower Upper

69 100

41 107.1 55.3 82.9#

39 0.0 30.2 45.4#





#59

2-Hexanone

Concen: 0.234 ug/l

RT: 9.433 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX025369.D

Acq: 29 Nov 2021 15:01

Instrument :

MSVOA_X

ClientSampleId :

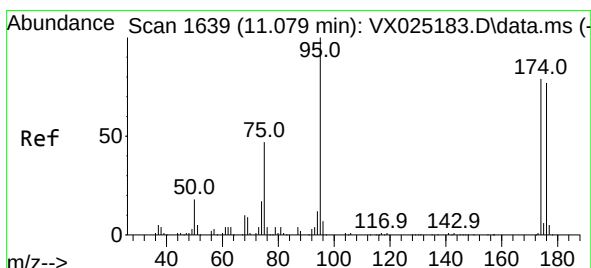
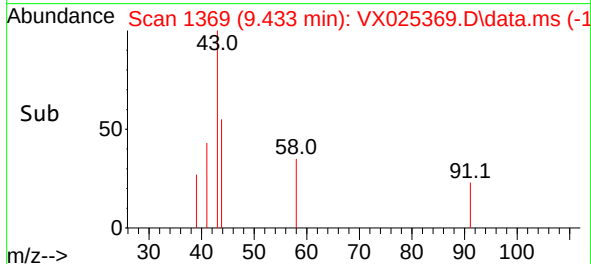
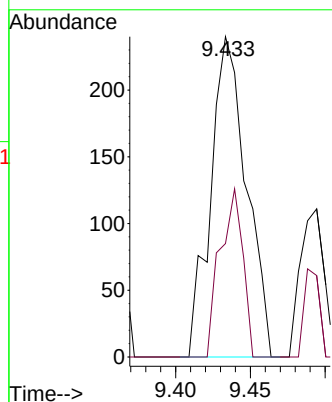
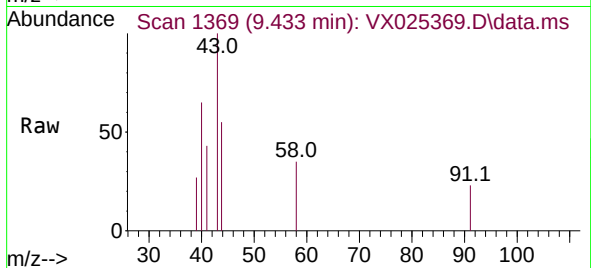
20935

Tgt Ion: 43 Resp: 400

Ion Ratio Lower Upper

43 100

58 33.3 26.6 79.7



#62

4-Bromofluorobenzene

Concen: 47.070 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX025369.D

Acq: 29 Nov 2021 15:01

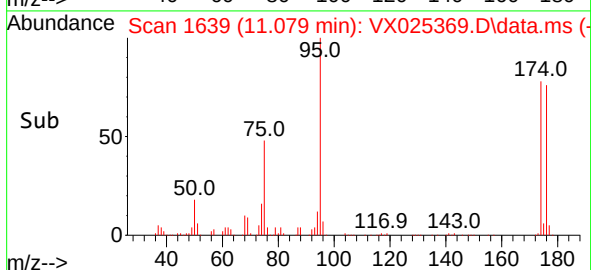
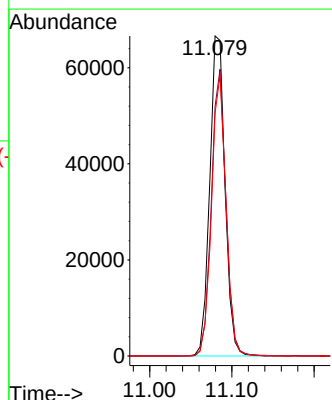
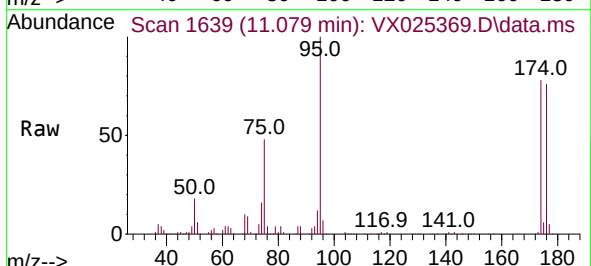
Tgt Ion: 95 Resp: 86160

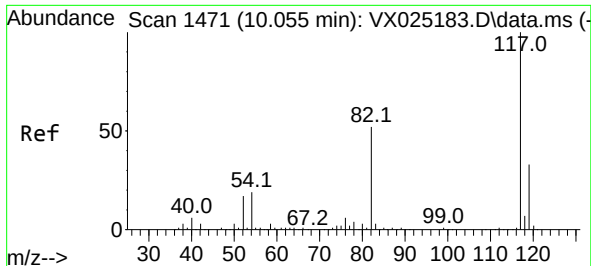
Ion Ratio Lower Upper

95 100

174 85.6 0.0 158.0

176 83.2 0.0 153.6

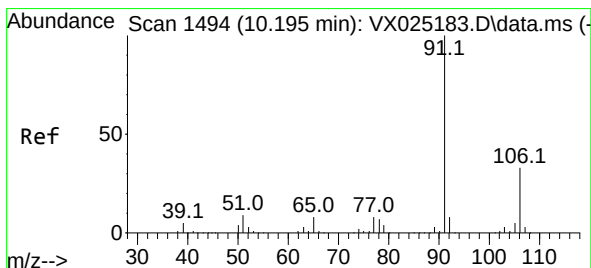
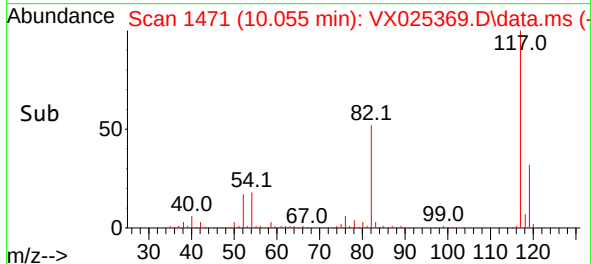
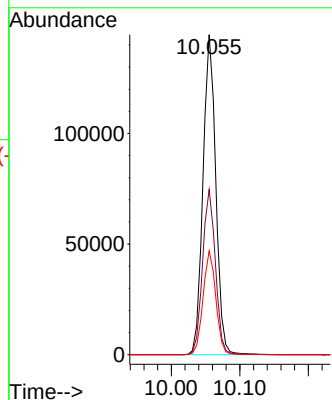
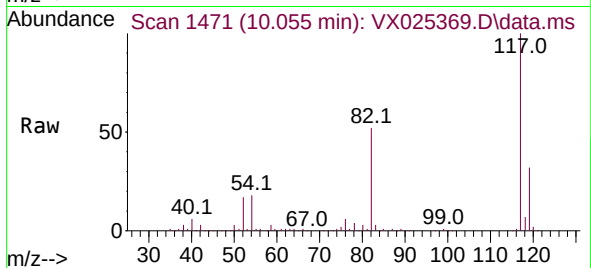




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

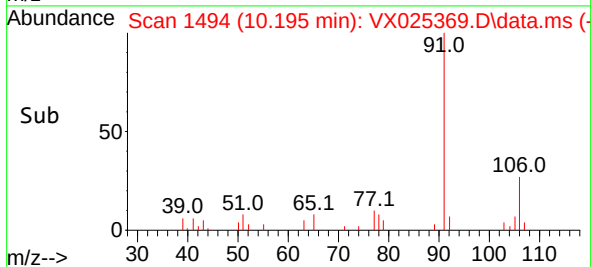
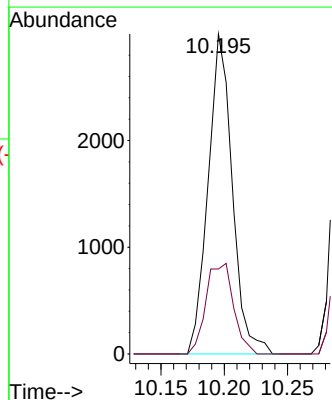
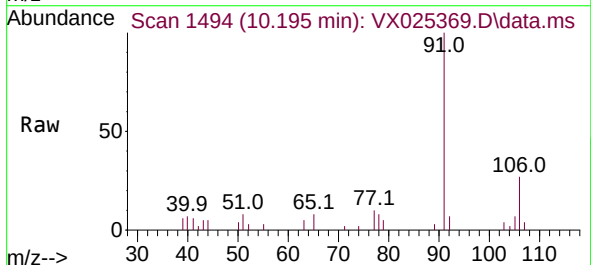
Instrument :
MSVOA_X
ClientSampleId :
20935

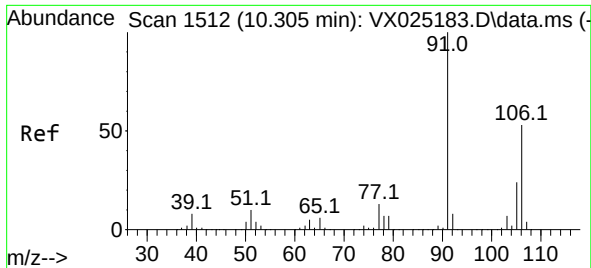
Tgt Ion:117 Resp: 188103
Ion Ratio Lower Upper
117 100
82 51.6 44.6 67.0
119 32.4 24.8 37.2



#67
Ethyl Benzene
Concen: 0.602 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

Tgt Ion: 91 Resp: 3988
Ion Ratio Lower Upper
91 100
106 26.5 24.7 37.1

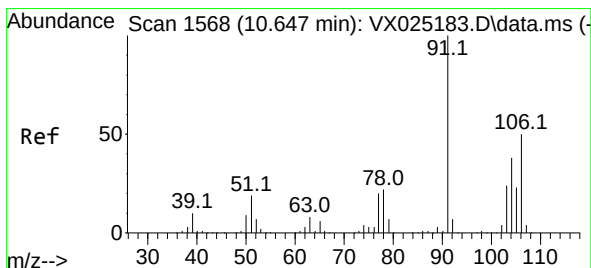
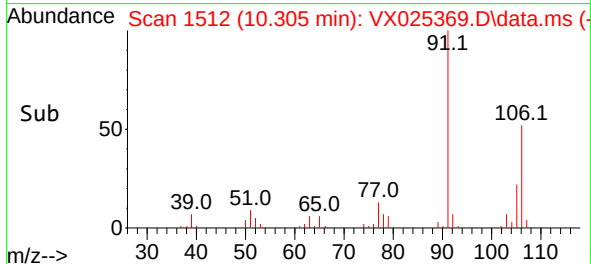
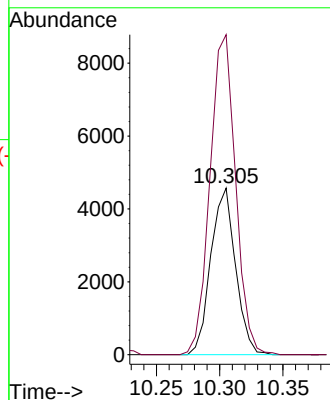
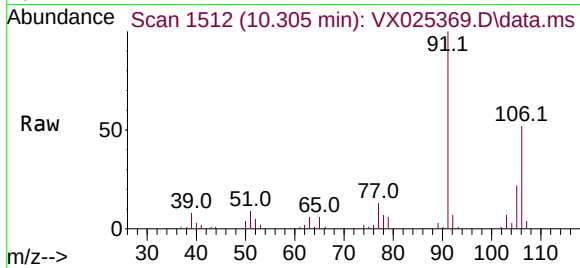




#68
m/p-Xylenes
Concen: 2.299 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

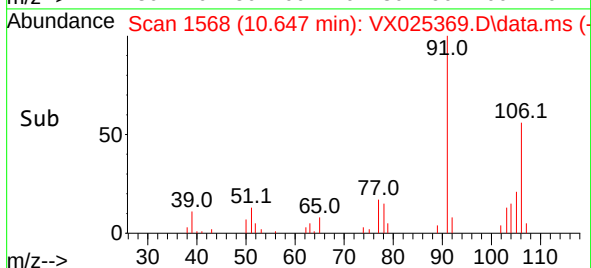
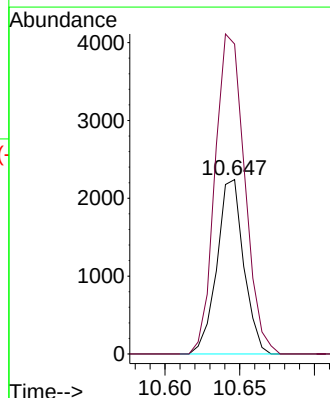
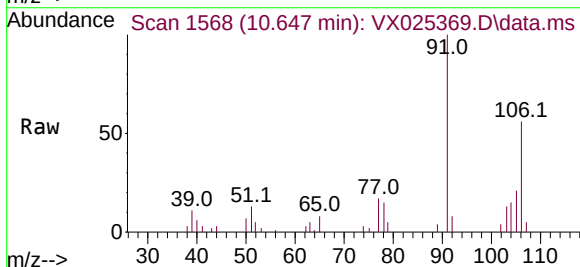
Instrument :
MSVOA_X
ClientSampleId :
20935

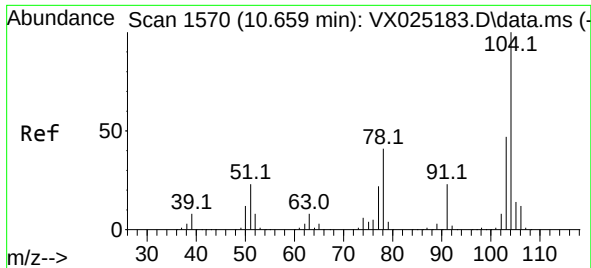
Tgt Ion:106 Resp: 6220
Ion Ratio Lower Upper
106 100
91 198.9 163.4 245.0



#69
o-Xylene
Concen: 1.056 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

Tgt Ion:106 Resp: 2796
Ion Ratio Lower Upper
106 100
91 202.9 109.5 328.4

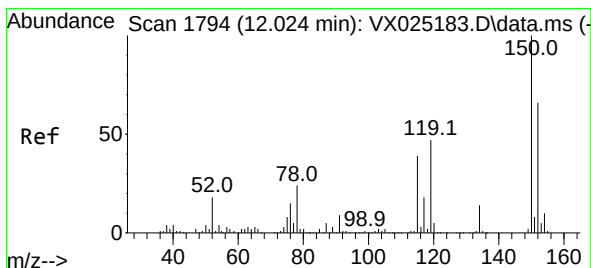
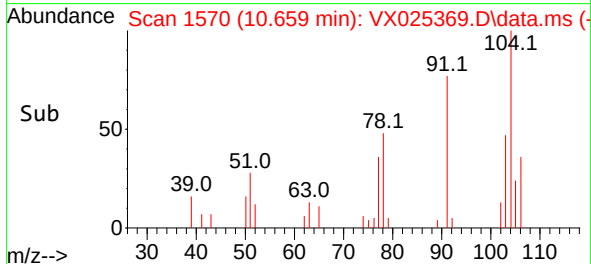
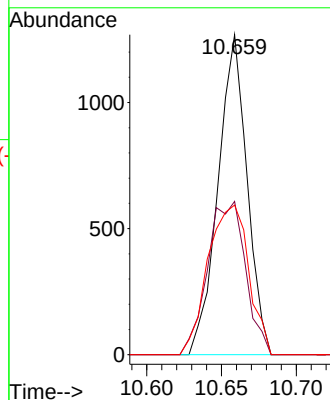
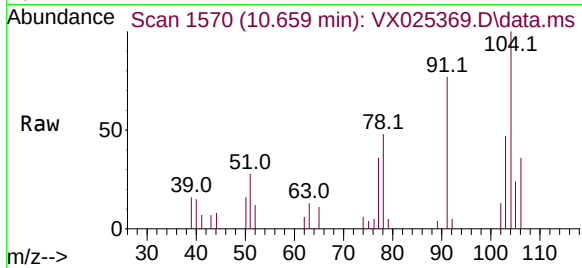




#70
Styrene
Concen: 0.392 ug/l
RT: 10.659 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

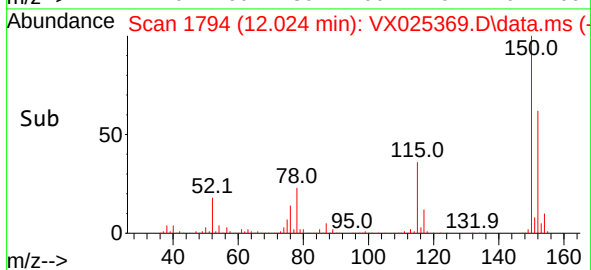
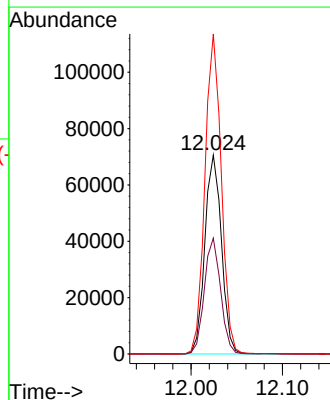
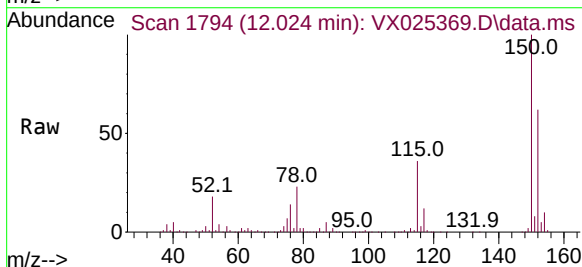
Instrument :
MSVOA_X
ClientSampleId :
20935

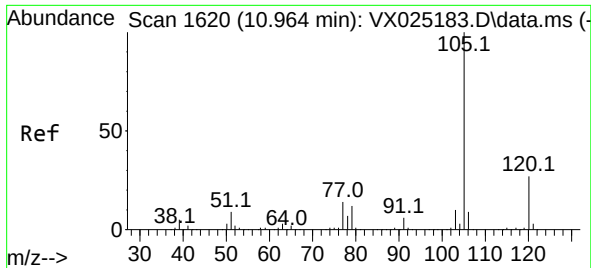
Tgt Ion:104 Resp: 1715
Ion Ratio Lower Upper
104 100
78 62.5 41.3 61.9#
103 65.7 43.5 65.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

Tgt Ion:152 Resp: 89222
Ion Ratio Lower Upper
152 100
115 57.2 43.3 129.8
150 158.2 0.0 351.2

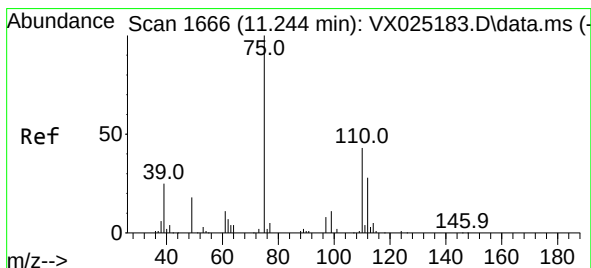
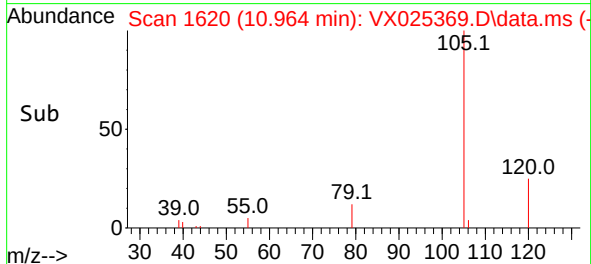
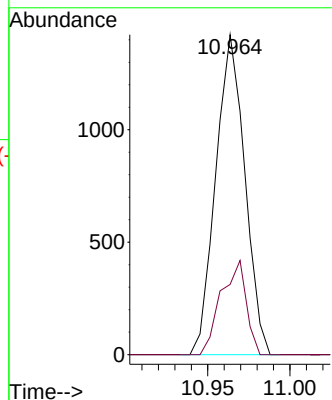
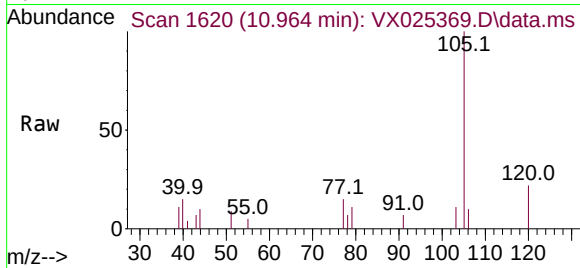




#73
Isopropylbenzene
Concen: 0.275 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

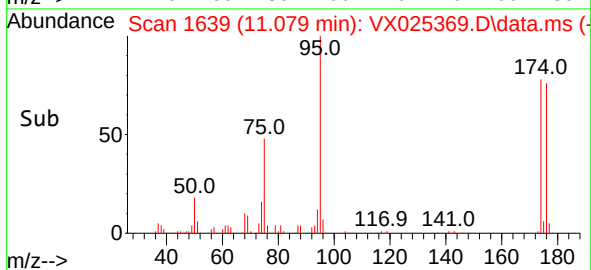
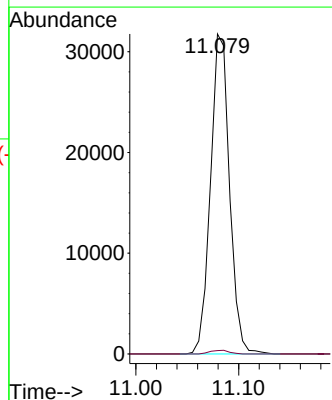
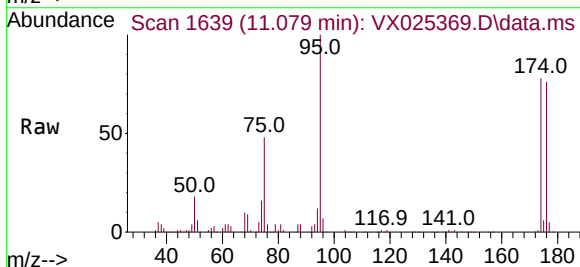
Instrument :
MSVOA_X
ClientSampleId :
20935

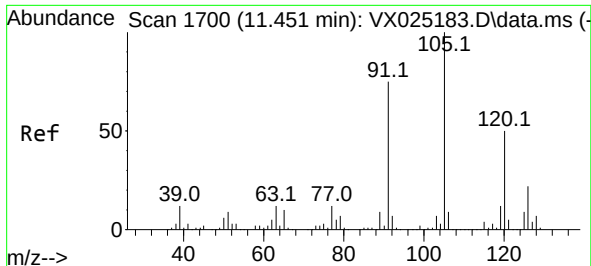
Tgt Ion:105 Resp: 1750
Ion Ratio Lower Upper
105 100
120 25.4 13.3 39.8



#76
1,2,3-Trichloropropane
Concen: 22.315 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

Tgt Ion: 75 Resp: 40772
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#

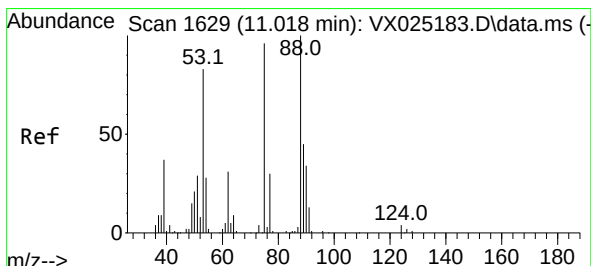
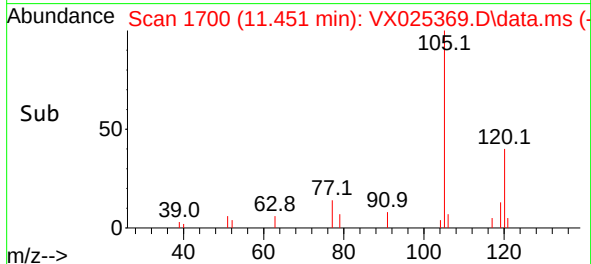
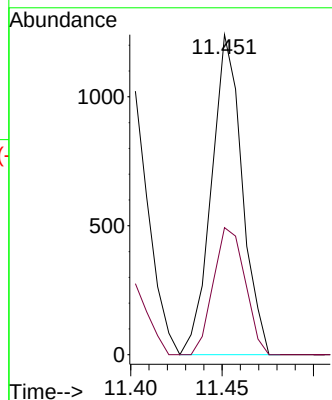
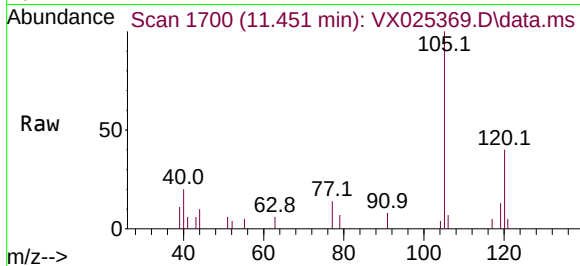




#80
 1,3,5-Trimethylbenzene
 Concen: 0.271 ug/l
 RT: 11.451 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025369.D
 Acq: 29 Nov 2021 15:01

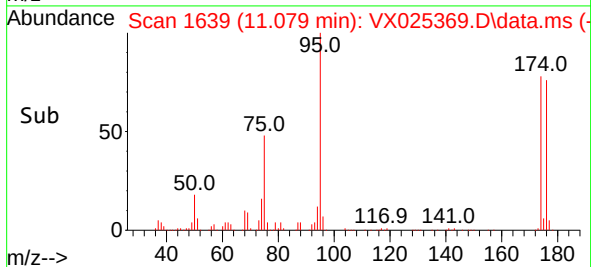
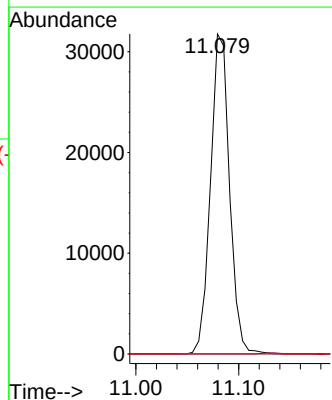
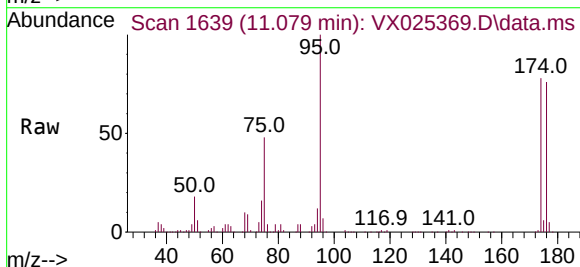
Instrument :
 MSVOA_X
 ClientSampleId :
 20935

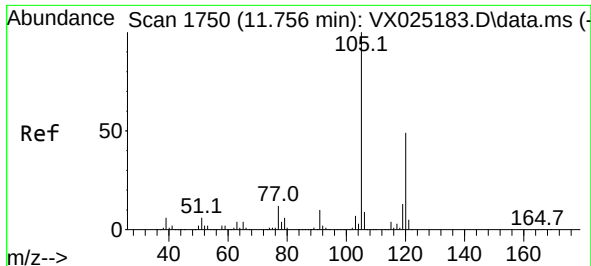
Tgt Ion:105 Resp: 1450
 Ion Ratio Lower Upper
 105 100
 120 41.1 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.216 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX025369.D
 Acq: 29 Nov 2021 15:01

Tgt Ion: 75 Resp: 40772
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.9 122.9#
 89 0.0 38.2 57.2#

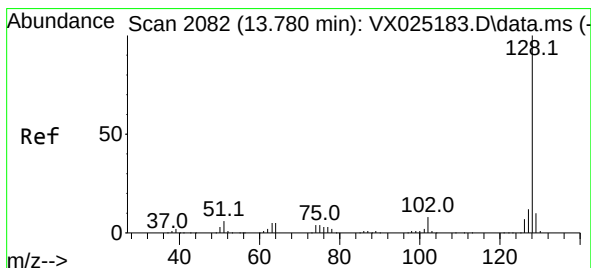
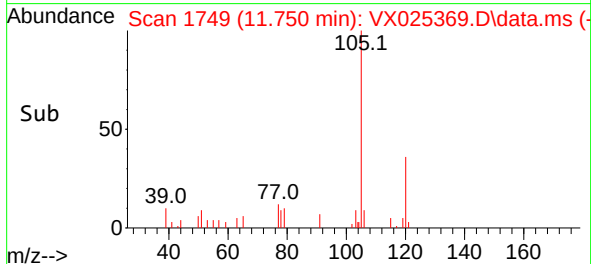
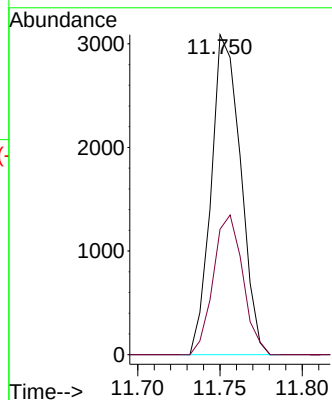
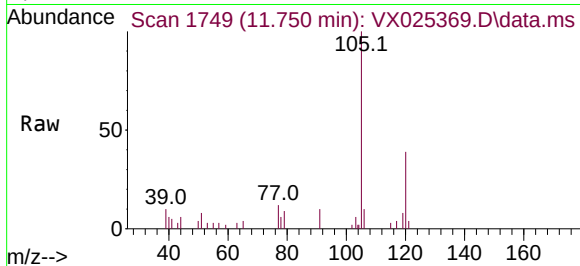




#84
1,2,4-Trimethylbenzene
Concen: 0.726 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

Instrument :
MSVOA_X
ClientSampleId :
20935

Tgt Ion:105 Resp: 3837
Ion Ratio Lower Upper
105 100
120 43.9 22.1 66.3



#95
Naphthalene
Concen: 2.322 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX025369.D
Acq: 29 Nov 2021 15:01

Tgt Ion:128 Resp: 16131
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.8 8.8 13.2

