

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091521\
 Data File : VX024263.D
 Acq On : 15 Sep 2021 16:13
 Operator : JC/MD
 Sample : M3724-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33129

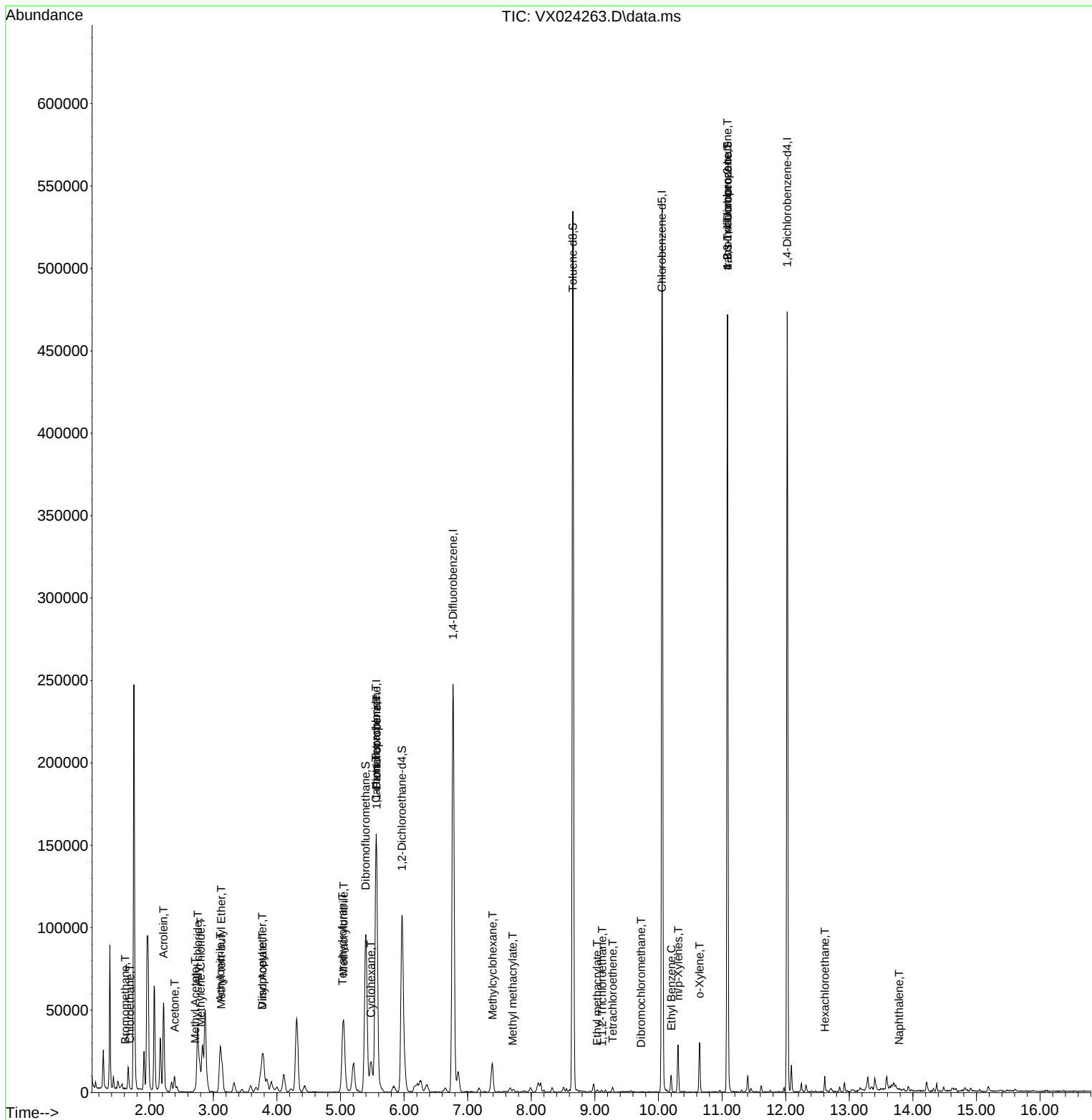
Quant Time: Sep 16 04:45:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

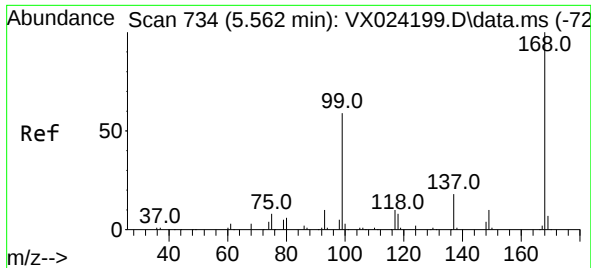
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	143627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	247792	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	241187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105190	51.360	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.720%
35) Dibromofluoromethane	5.397	113	82327	49.541	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.080%
50) Toluene-d8	8.653	98	308722	50.996	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.000%
62) 4-Bromofluorobenzene	11.085	95	118616	50.347	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.700%
Target Compounds						
						Qvalue
5) Bromomethane	1.617	94	441	0.516	ug/l #	80
6) Chloroethane	1.690	64	284	2.235	ug/l #	43
11) Tert butyl alcohol	2.971	59	458	Below Cal	#	73
13) Acrolein	2.215	56	1235	9.149	ug/l #	1
14) Allyl chloride	2.757	41	4445	1.847	ug/l #	1
15) Acrylonitrile	3.111	53	775	0.925	ug/l #	37
16) Acetone	2.392	43	10041	11.498	ug/l	89
18) Methyl Acetate	2.715	43	739	0.270	ug/l #	47
19) Methyl tert-butyl Ether	3.123	73	11624	2.388	ug/l #	1
20) Methylene Chloride	2.800	84	1348	0.804	ug/l #	86
22) Diisopropyl ether	3.769	45	23948	5.066	ug/l #	84
23) Vinyl Acetate	3.775	43	20242	5.274	ug/l #	68
29) Tetrahydrofuran	5.031	42	14755	18.328	ug/l #	57
31) Cyclohexane	5.476	56	12601	5.260	ug/l #	89
36) 1,1-Dichloropropene	5.568	75	11836	5.195	ug/l #	49
38) Carbon Tetrachloride	5.556	117	14868	5.798	ug/l #	20
39) Methylcyclohexane	7.391	83	6452	2.372	ug/l #	89
41) Methacrylonitrile	5.050	41	23868	16.860	ug/l #	46
48) Methyl methacrylate	7.708	41	478	0.227	ug/l #	26
55) 1,1,2-Trichloroethane	9.116	97	427	0.234	ug/l #	15
56) Ethyl methacrylate	9.037	69	65	1.383	ug/l #	1
60) Dibromochloromethane	9.726	129	64	1.756	ug/l #	11
64) Tetrachloroethene	9.281	164	613	0.328	ug/l	93
67) Ethyl Benzene	10.201	91	5789	0.667	ug/l	95
68) m/p-Xylenes	10.311	106	6810	2.049	ug/l	94
69) o-Xylene	10.646	106	6214	1.873	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	63652	28.338	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	63652	83.342	ug/l #	12
90) Hexachloroethane	12.615	117	427	0.426	ug/l #	9
95) Naphthalene	13.786	128	305	1.330	ug/l #	85

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

Quant Time: Sep 16 04:45:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 14 12:18:04 2021
Response via : Initial Calibration

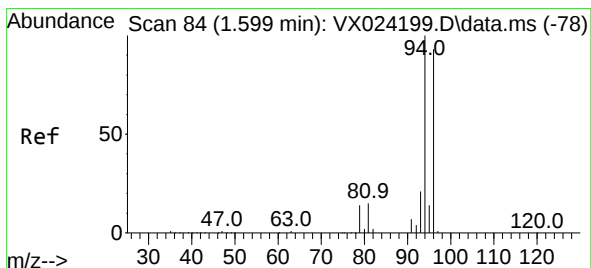
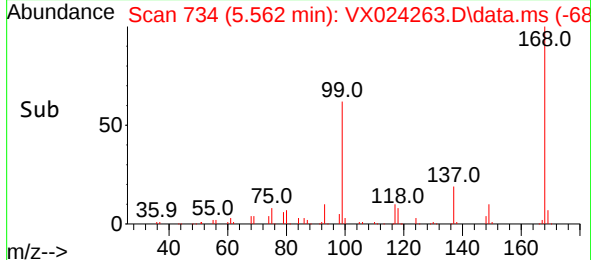
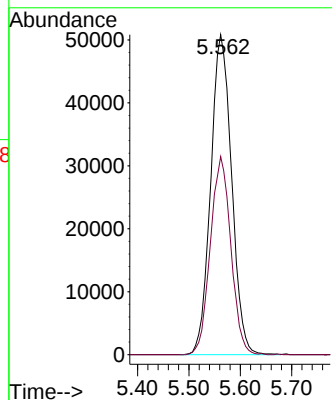
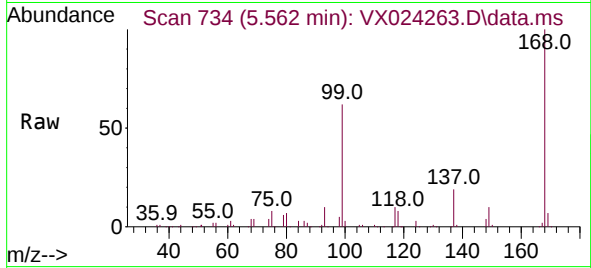




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

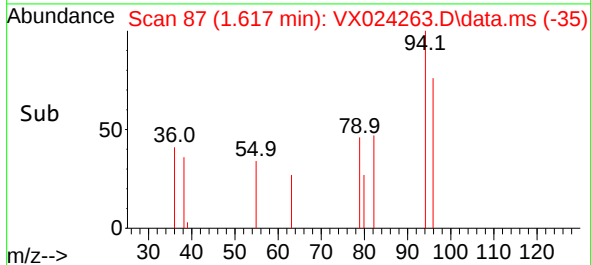
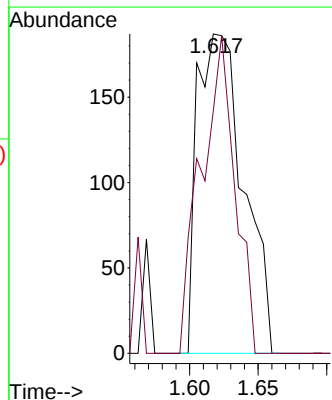
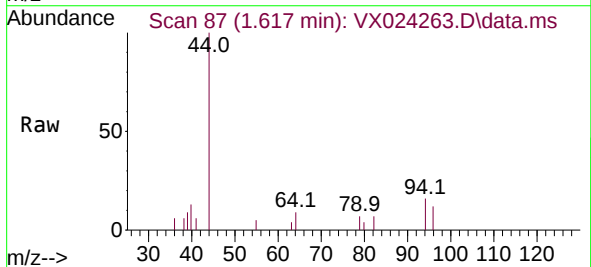
Instrument :
MSVOA_X
ClientSampleId :
33129

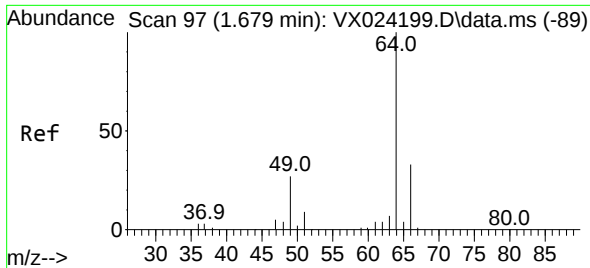
Tgt Ion:168 Resp: 143627
Ion Ratio Lower Upper
168 100
99 61.9 45.8 68.6



#5
Bromomethane
Concen: 0.516 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion: 94 Resp: 441
Ion Ratio Lower Upper
94 100
96 75.9 76.4 114.6#

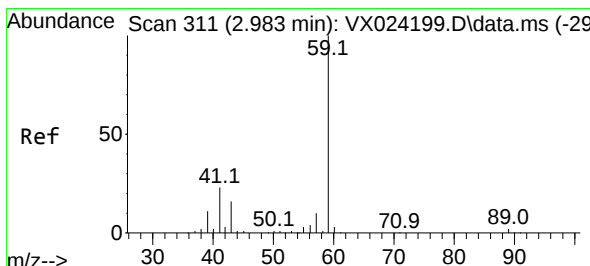
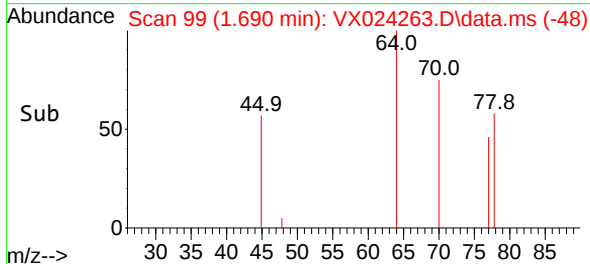
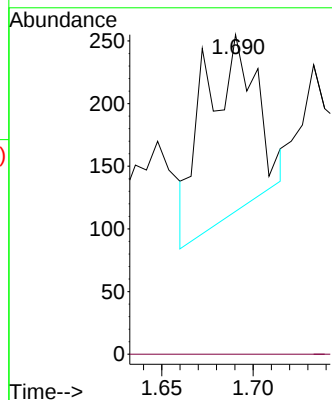
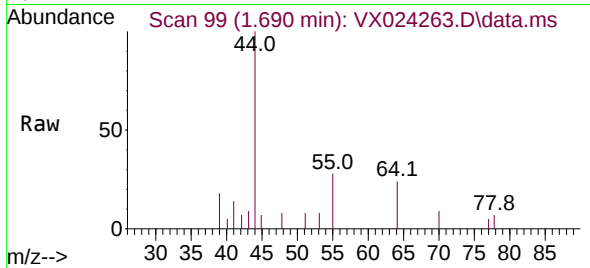




#6
Chloroethane
Concen: 2.235 ug/l
RT: 1.690 min Scan# 99
Delta R.T. 0.011 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

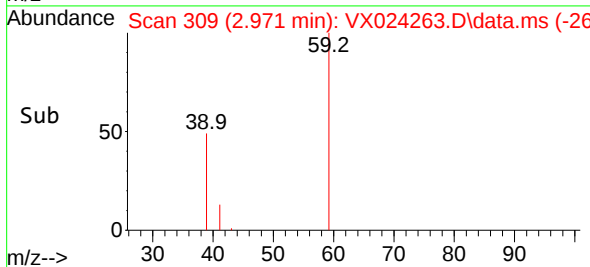
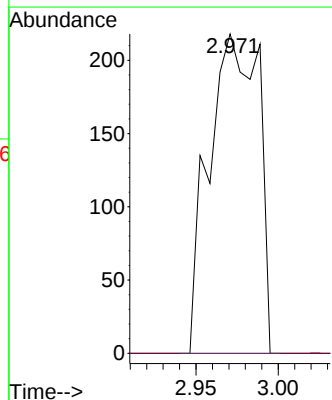
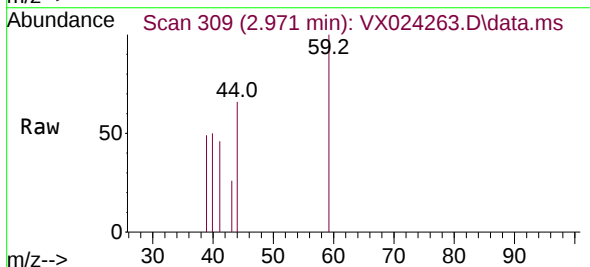
Instrument :
MSVOA_X
ClientSampled :
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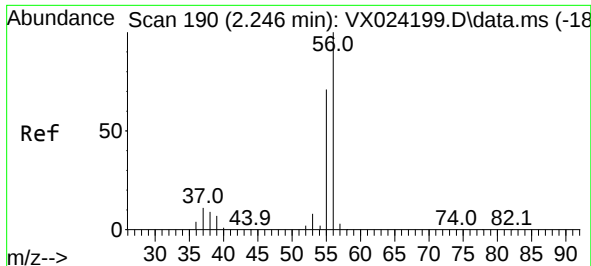
Tgt Ion: 64 Resp: 284
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion: 59 Resp: 458
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

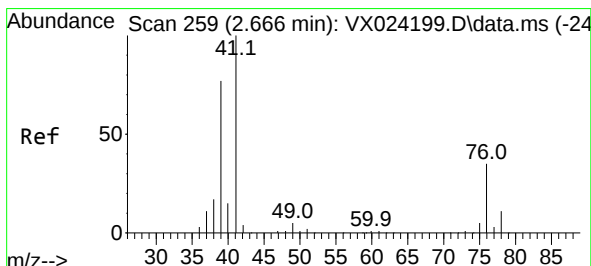
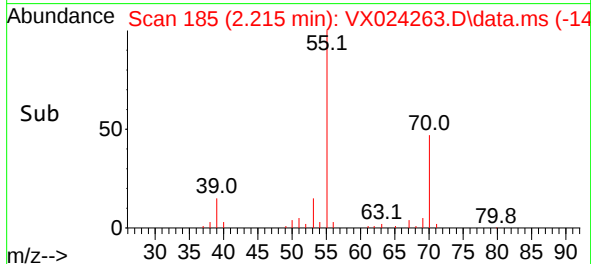
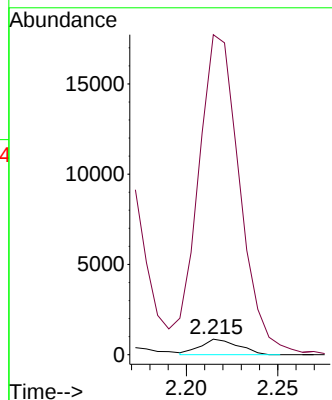
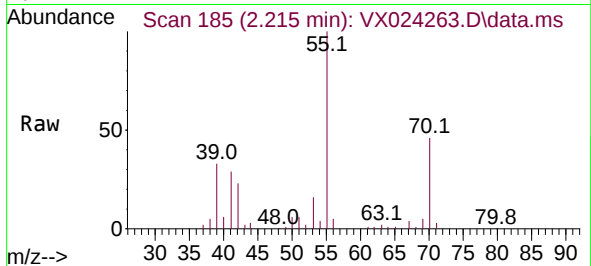




#13
Acrolein
Concen: 9.149 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.031 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

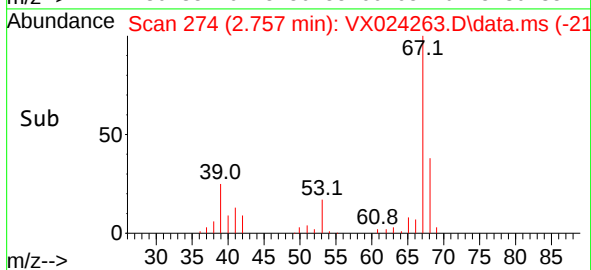
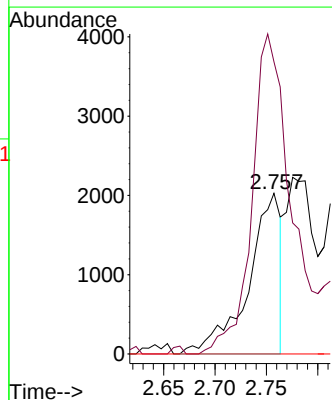
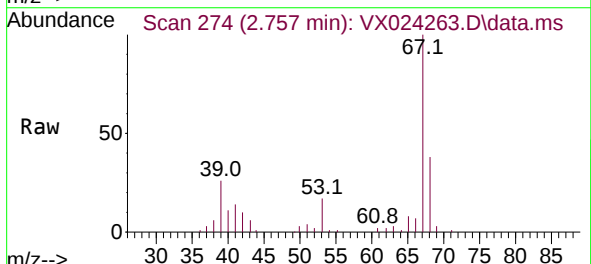
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ClientSampled :
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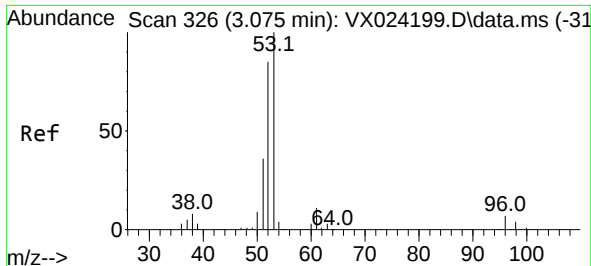
Tgt Ion: 56 Resp: 1235
Ion Ratio Lower Upper
56 100
55 2287.4 56.4 84.6#



#14
Allyl chloride
Concen: 1.847 ug/l
RT: 2.757 min Scan# 274
Delta R.T. 0.091 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion: 41 Resp: 4445
Ion Ratio Lower Upper
41 100
39 237.2 51.6 77.4#
76 0.0 30.5 45.7#

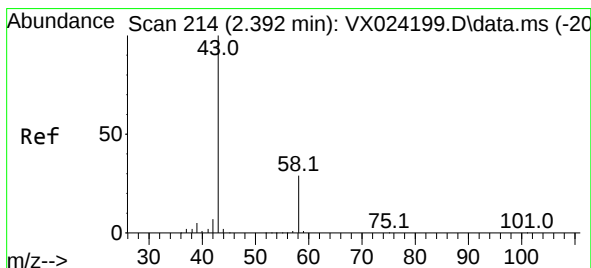
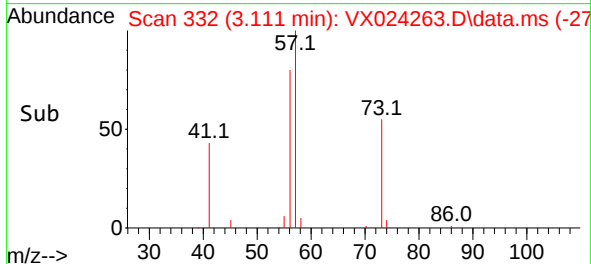
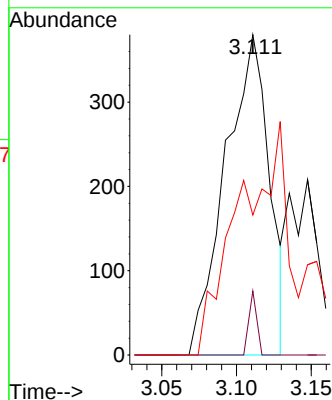
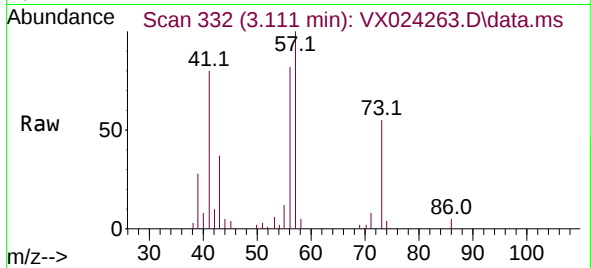




#15
Acrylonitrile
Concen: 0.925 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.036 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

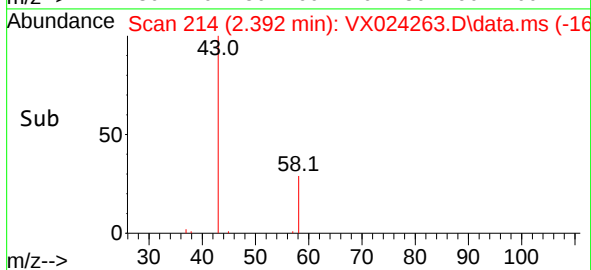
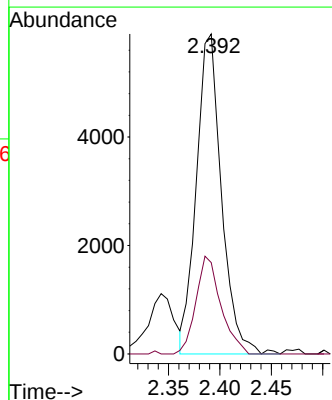
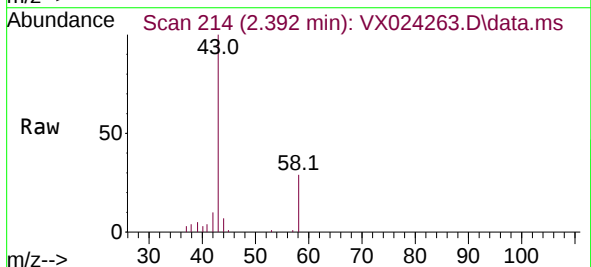
Instrument :
MSVOA_X
ClientSampleId :
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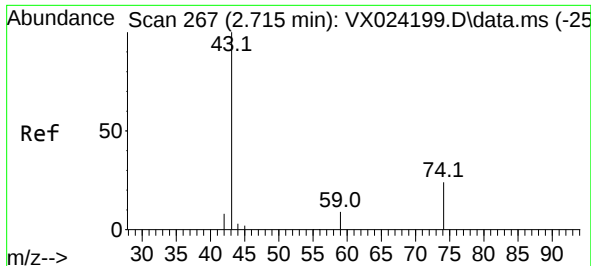
Tgt Ion: 53 Resp: 775
Ion Ratio Lower Upper
53 100
52 3.6 65.3 97.9#
51 38.8 28.2 42.2



#16
Acetone
Concen: 11.498 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion: 43 Resp: 10041
Ion Ratio Lower Upper
43 100
58 28.6 27.8 41.8

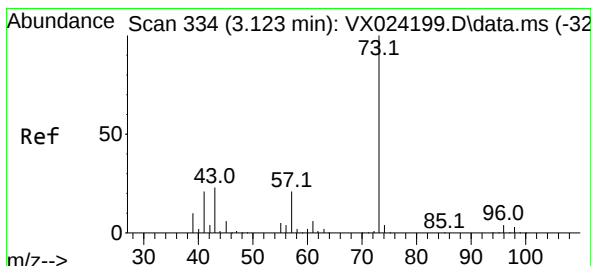
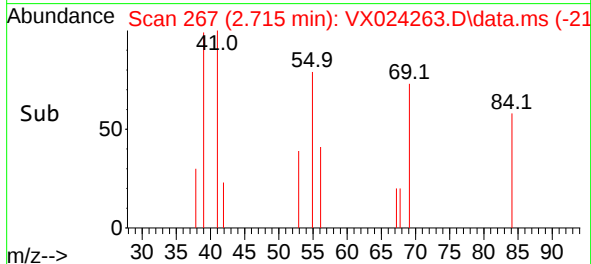
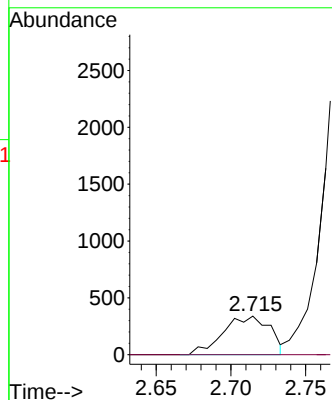
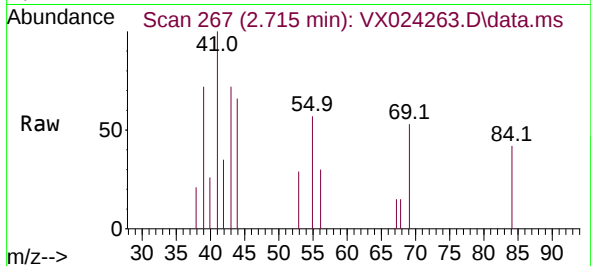




#18
Methyl Acetate
Concen: 0.270 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

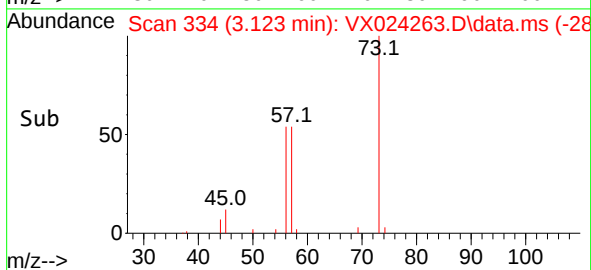
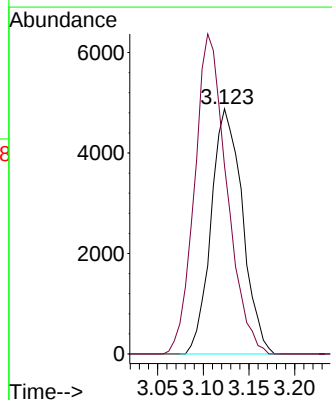
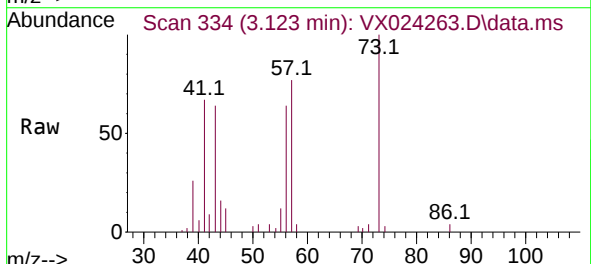
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ClientSampled :
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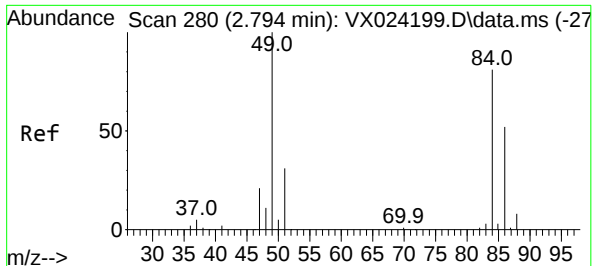
Tgt Ion: 43 Resp: 739
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 2.388 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion: 73 Resp: 11624
Ion Ratio Lower Upper
73 100
57 76.6 17.1 25.7#





#20

Methylene Chloride

Concen: 0.804 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX024263.D

Acq: 15 Sep 2021 16:13

Instrument :

MSVOA_X

ClientSampleId :

33129

Tgt Ion: 84 Resp: 1348

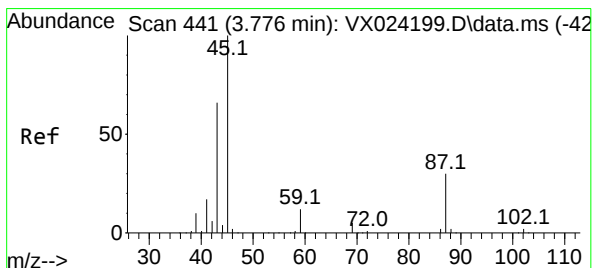
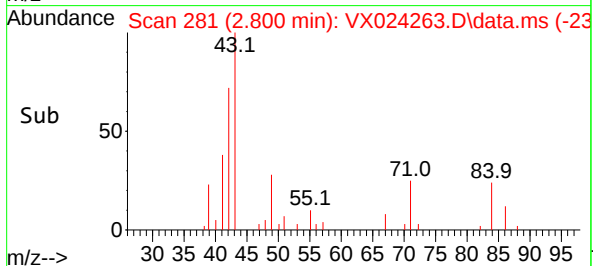
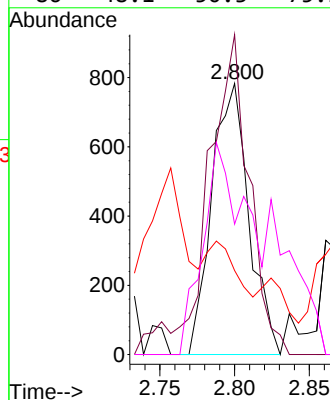
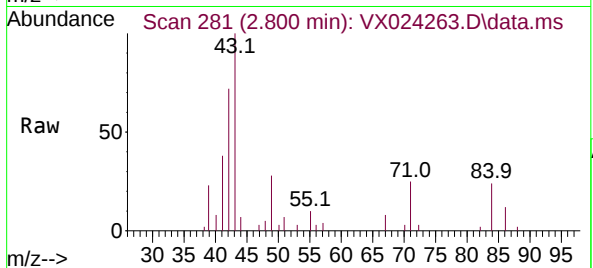
Ion Ratio Lower Upper

84 100

49 110.7 88.6 132.8

51 6.6 27.0 40.6#

86 48.1 50.3 75.5#



#22

Diisopropyl ether

Concen: 5.066 ug/l

RT: 3.769 min Scan# 440

Delta R.T. -0.007 min

Lab File: VX024263.D

Acq: 15 Sep 2021 16:13

Tgt Ion: 45 Resp: 23948

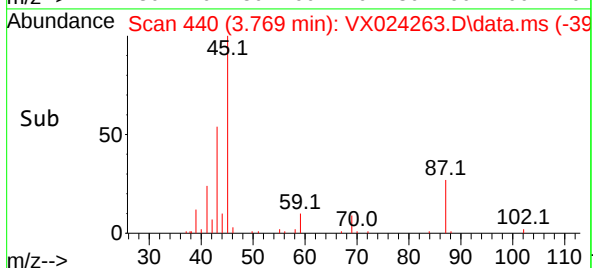
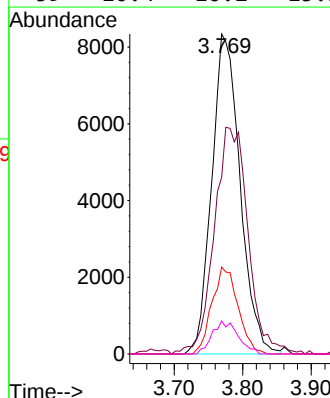
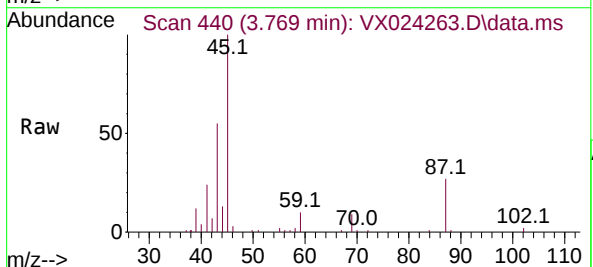
Ion Ratio Lower Upper

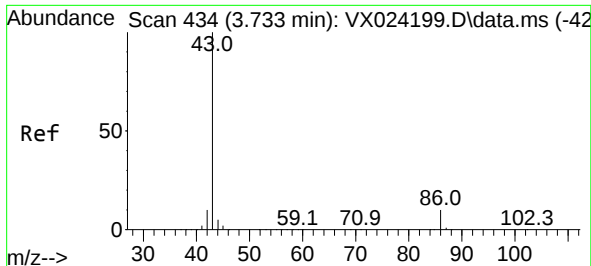
45 100

43 54.3 58.0 87.0#

87 27.2 25.4 38.0

59 10.4 10.2 15.2

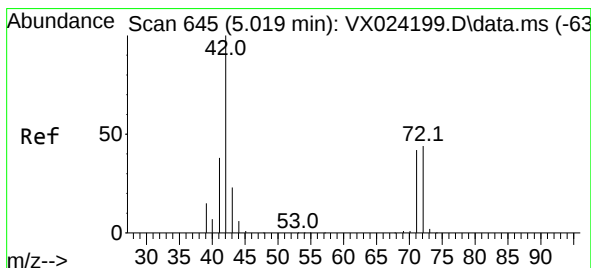
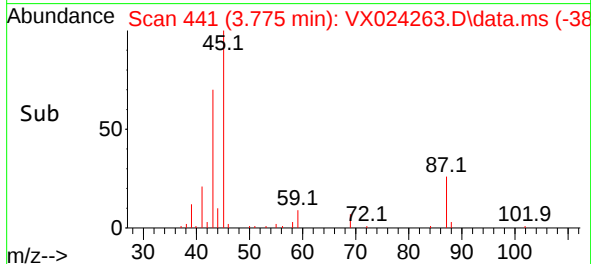
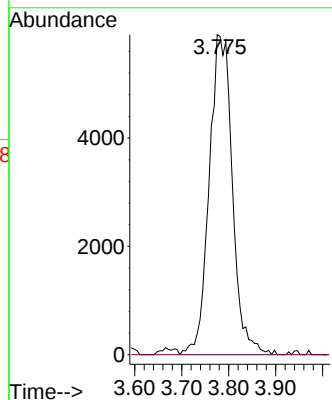
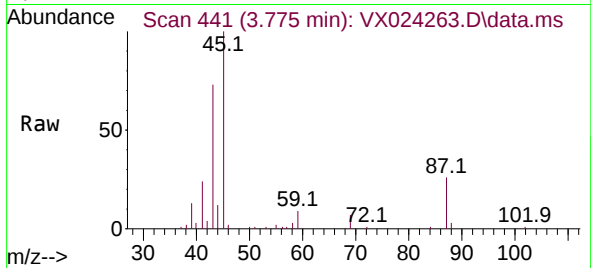




#23
 Vinyl Acetate
 Concen: 5.274 ug/l
 RT: 3.775 min Scan# 441
 Delta R.T. 0.042 min
 Lab File: VX024263.D
 Acq: 15 Sep 2021 16:13

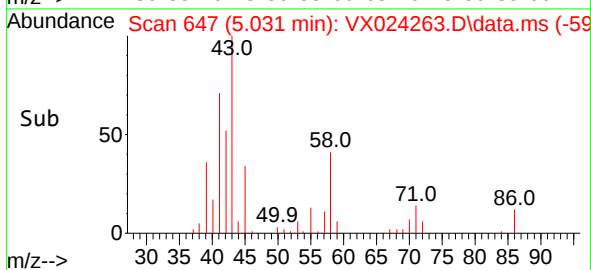
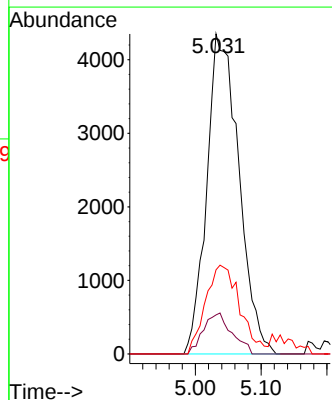
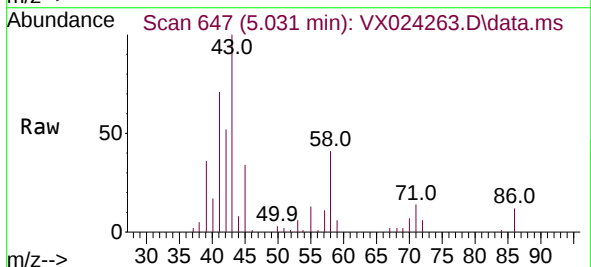
Instrument :
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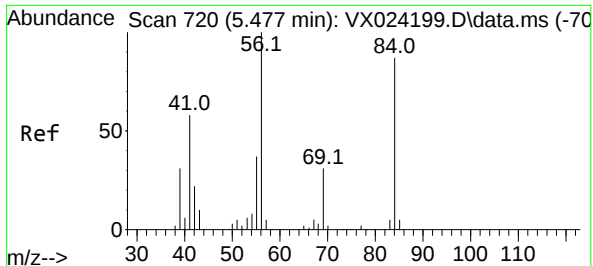
Tgt Ion: 43 Resp: 20242
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#29
 Tetrahydrofuran
 Concen: 18.328 ug/l
 RT: 5.031 min Scan# 647
 Delta R.T. 0.012 min
 Lab File: VX024263.D
 Acq: 15 Sep 2021 16:13

Tgt Ion: 42 Resp: 14755
 Ion Ratio Lower Upper
 42 100
 72 11.3 41.7 62.5#
 71 29.9 38.4 57.6#

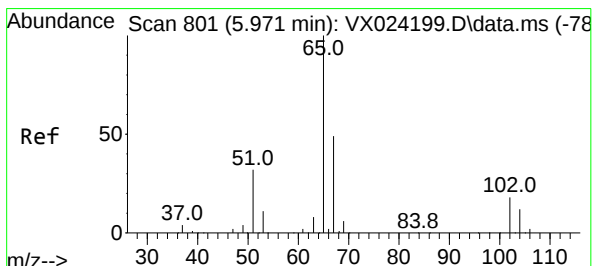
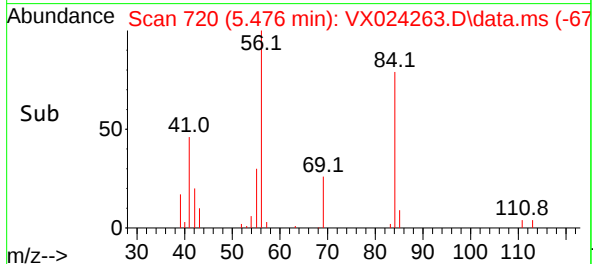
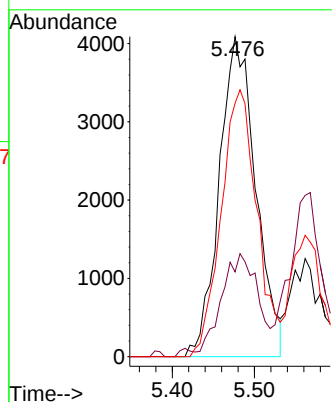
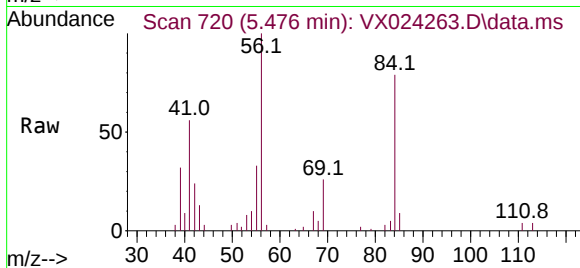




#31
Cyclohexane
Concen: 5.260 ug/l
RT: 5.476 min Scan# 720
Delta R.T. -0.001 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

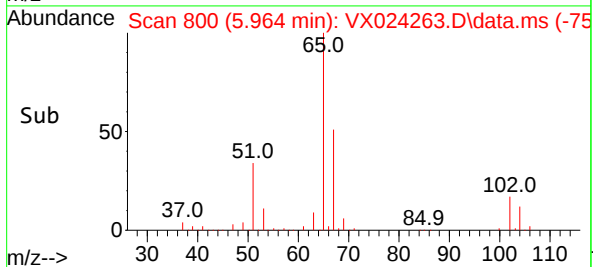
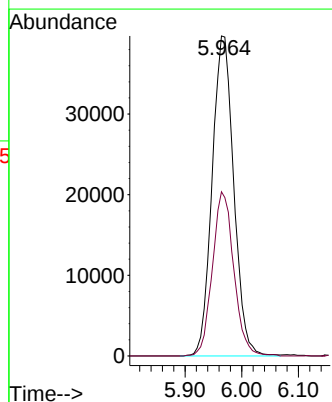
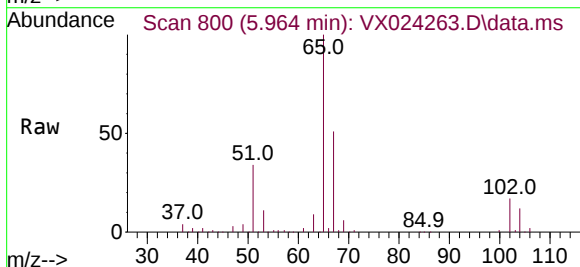
Instrument :
MSVOA_X
ClientSampleId :
33129

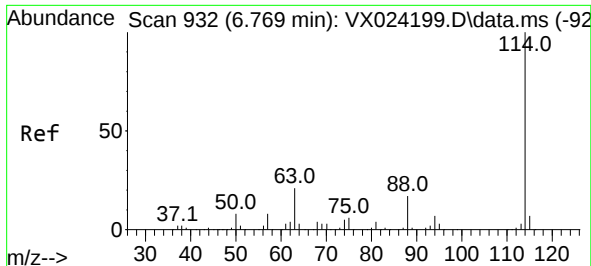
Tgt Ion: 56 Resp: 12601
Ion Ratio Lower Upper
56 100
69 24.7 25.3 37.9#
84 79.2 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.360 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion: 65 Resp: 105190
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

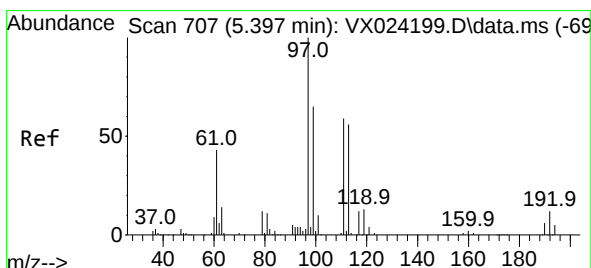
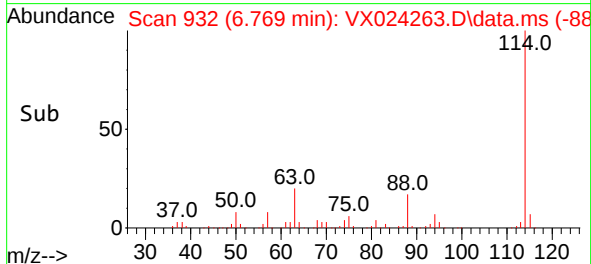
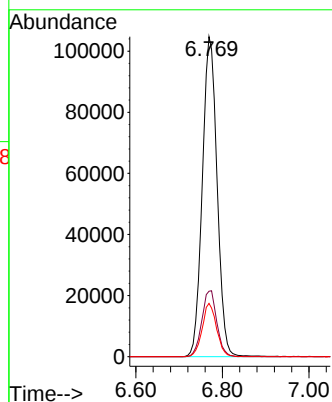
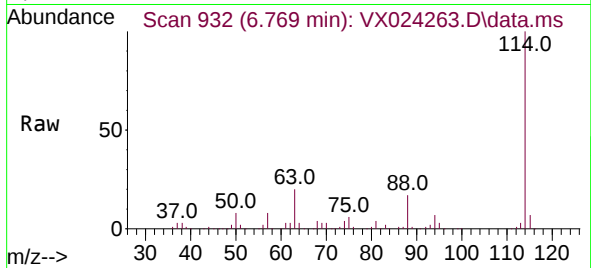




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

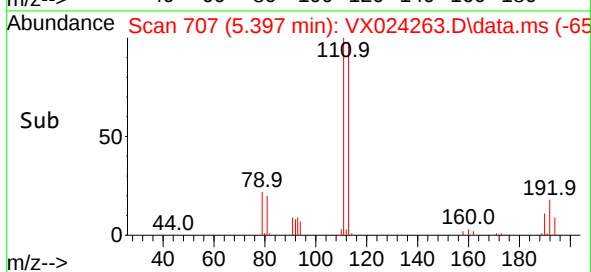
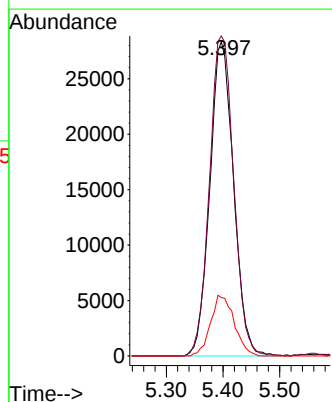
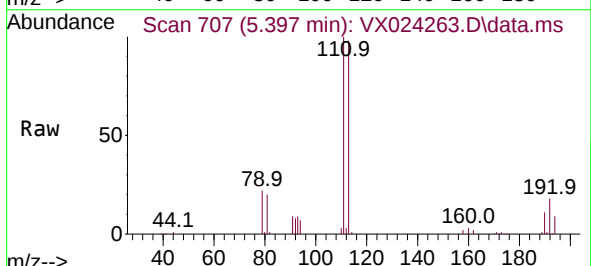
Instrument :
MSVOA_X
ClientSampleId :
33129

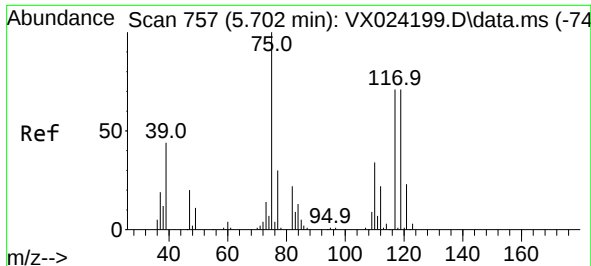
Tgt Ion:114 Resp: 247792
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.541 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion:113 Resp: 82327
Ion Ratio Lower Upper
113 100
111 104.1 81.9 122.9
192 19.2 16.7 25.1

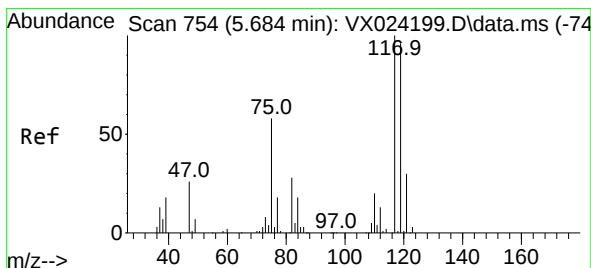
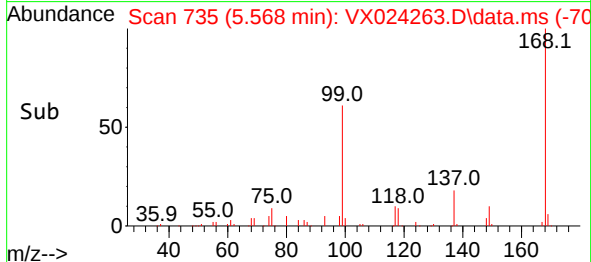
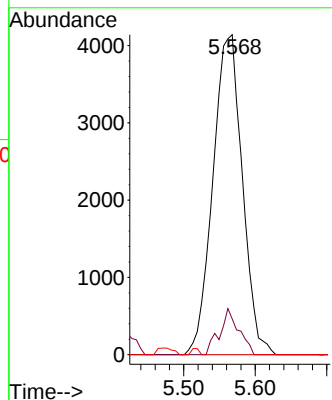
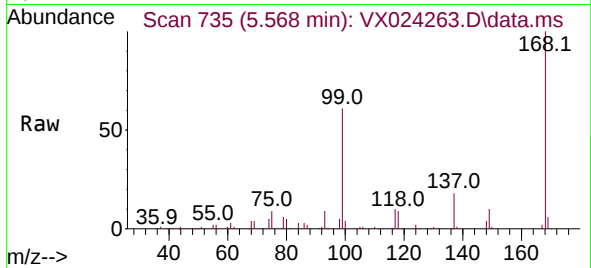




#36
1,1-Dichloropropene
Concen: 5.195 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

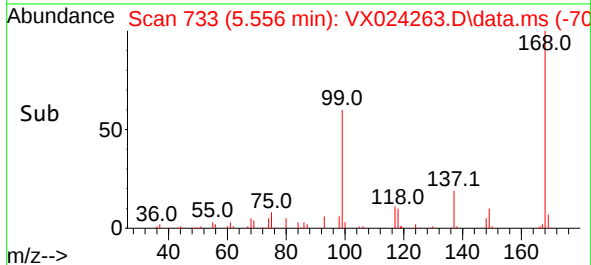
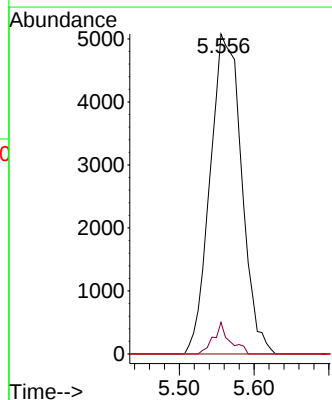
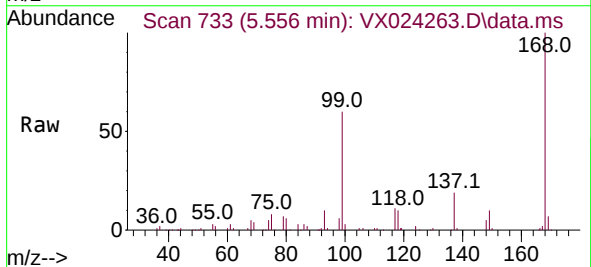
Instrument :
MSVOA_X
ClientSampleId :
33129

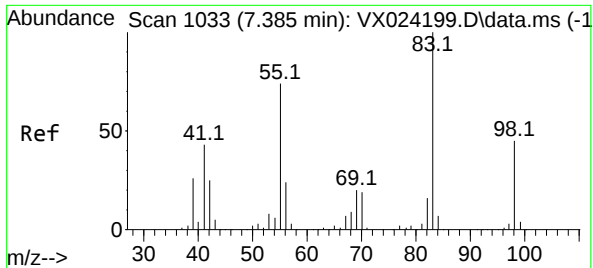
Tgt Ion: 75 Resp: 11836
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.798 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion: 117 Resp: 14868
Ion Ratio Lower Upper
117 100
119 9.9 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 2.372 ug/l

RT: 7.391 min Scan# 1034

Delta R.T. 0.006 min

Lab File: VX024263.D

Acq: 15 Sep 2021 16:13

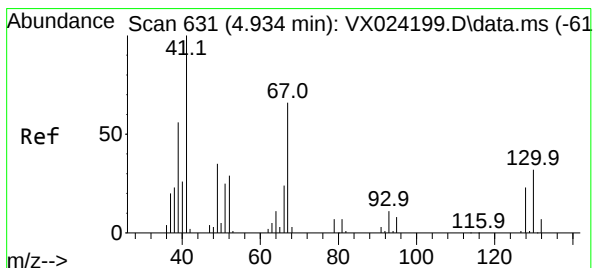
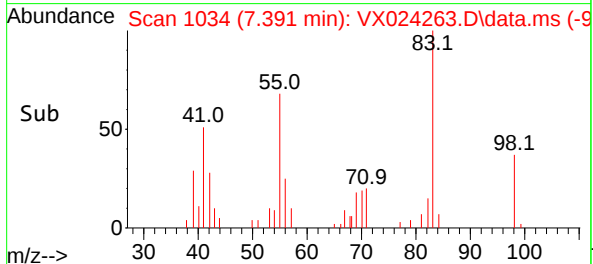
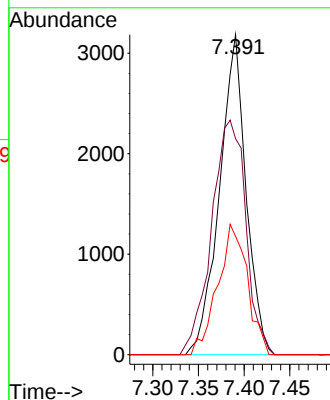
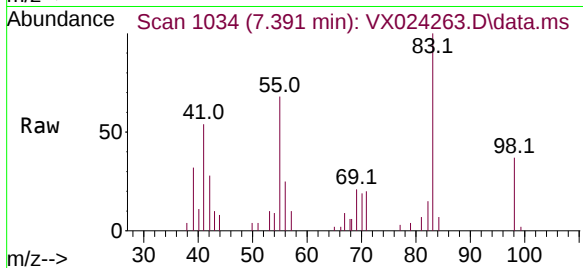
Tgt Ion: 83 Resp: 6452

Ion Ratio Lower Upper

83 100

55 67.5 58.9 88.3

98 37.0 38.1 57.1#



#41

Methacrylonitrile

Concen: 16.860 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.116 min

Lab File: VX024263.D

Acq: 15 Sep 2021 16:13

Tgt Ion: 41 Resp: 23868

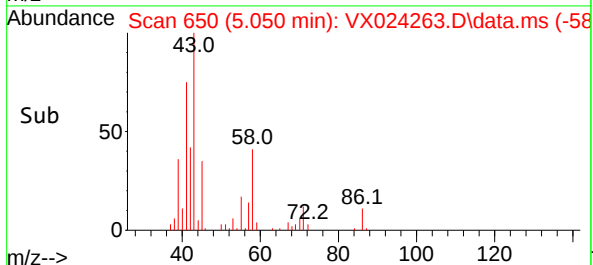
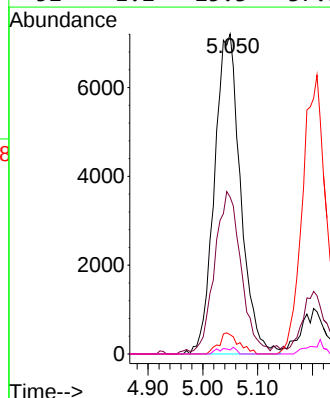
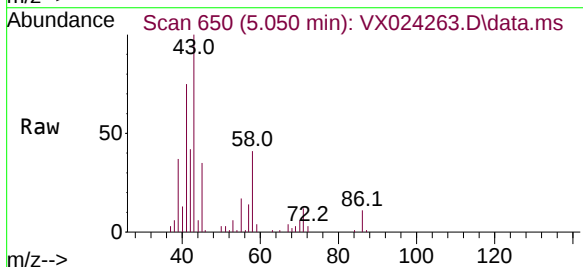
Ion Ratio Lower Upper

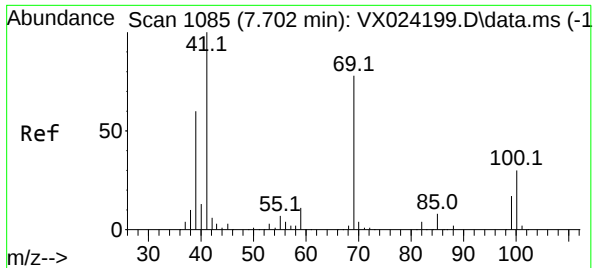
41 100

39 49.3 42.5 63.7

67 5.0 65.0 97.6#

52 1.2 25.3 37.9#

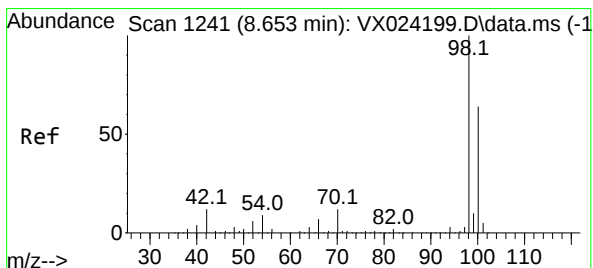
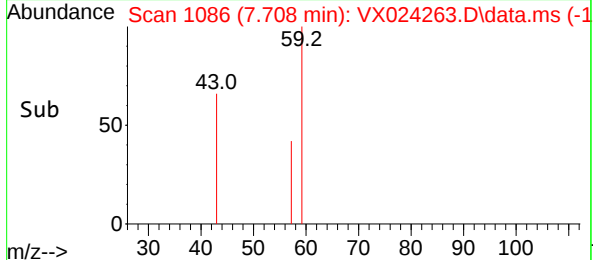
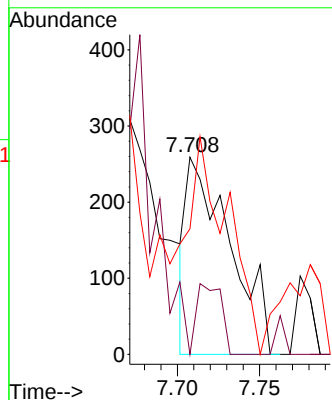
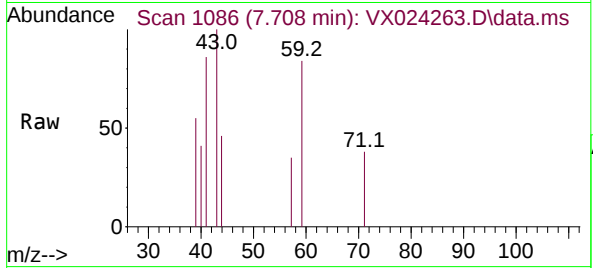




#48
Methyl methacrylate
Concen: 0.227 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.006 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

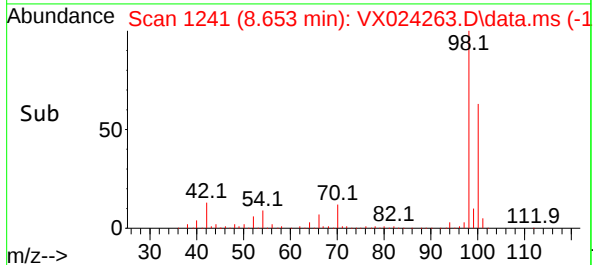
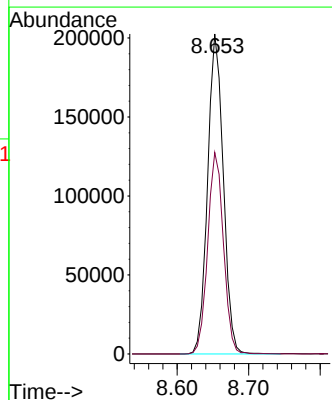
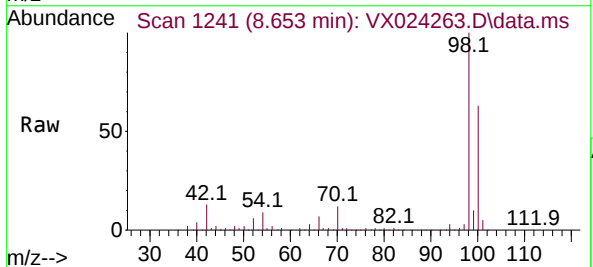
Instrument :
MSVOA_X
ClientSampleId :
33129

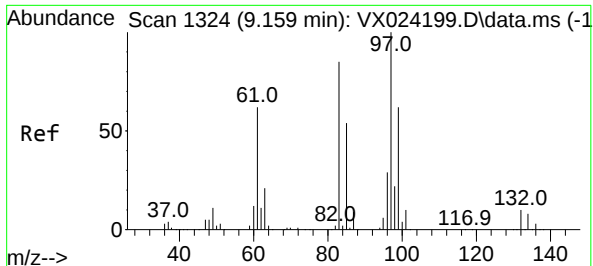
Tgt Ion: 41 Resp: 478
Ion Ratio Lower Upper
41 100
69 20.1 76.0 114.0#
39 105.2 44.6 67.0#



#50
Toluene-d8
Concen: 50.996 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

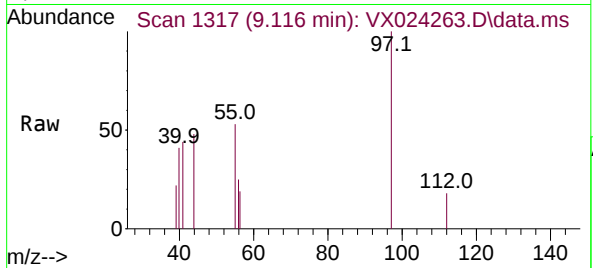
Tgt Ion: 98 Resp: 308722
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9





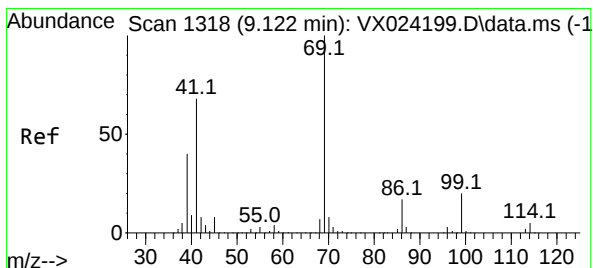
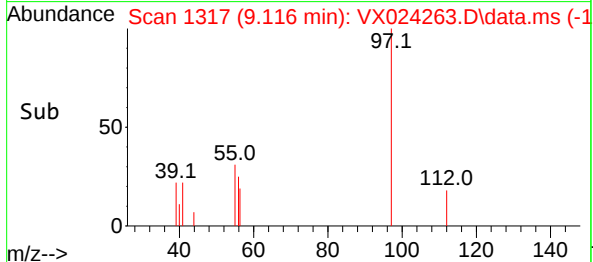
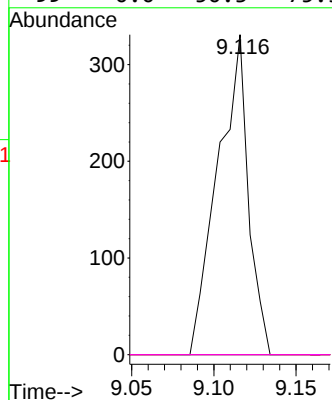
#55
1,1,2-Trichloroethane
Concen: 0.234 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.043 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Instrument :
MSVOA_X
ClientSampleId :
33129



Tgt Ion: 97 Resp: 427

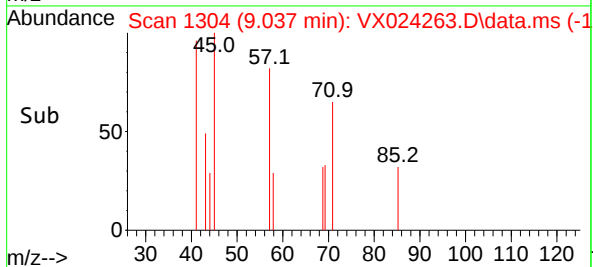
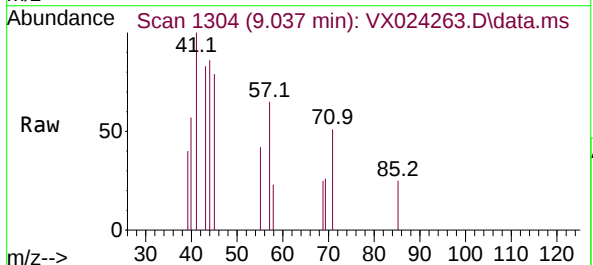
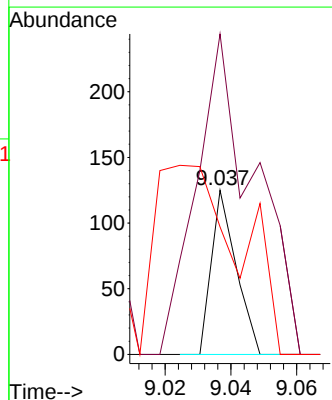
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.3	103.9#
85	0.0	44.3	66.5#
99	0.0	50.3	75.5#

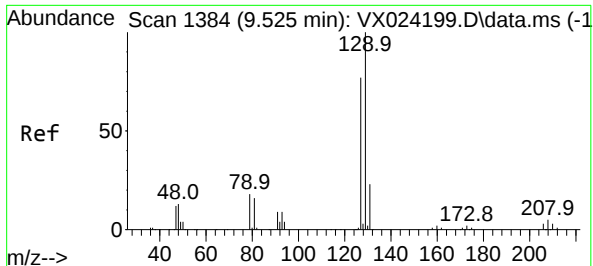


#56
Ethyl methacrylate
Concen: 1.383 ug/l
RT: 9.037 min Scan# 1304
Delta R.T. -0.085 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion: 69 Resp: 65

Ion	Ratio	Lower	Upper
69	100		
41	461.5	46.8	70.2#
39	392.3	24.7	37.1#





#60

Dibromochloromethane

Concen: 1.756 ug/l

RT: 9.726 min Scan# 1417

Delta R.T. 0.201 min

Lab File: VX024263.D

Acq: 15 Sep 2021 16:13

Instrument :

MSVOA_X

ClientSampleId :

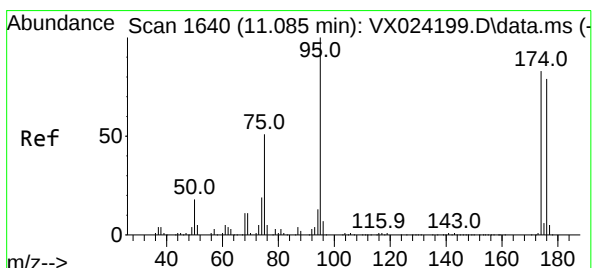
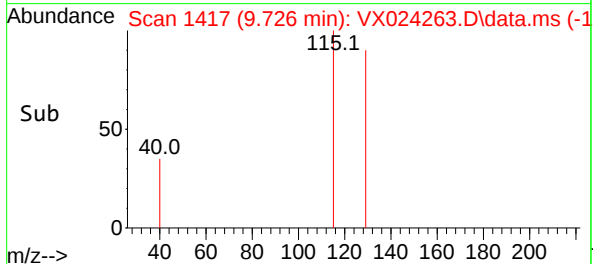
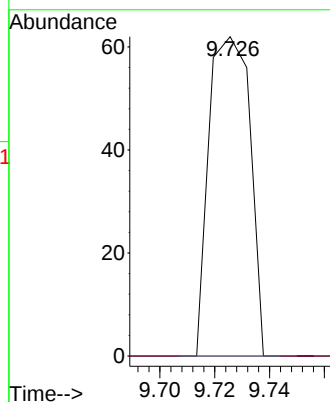
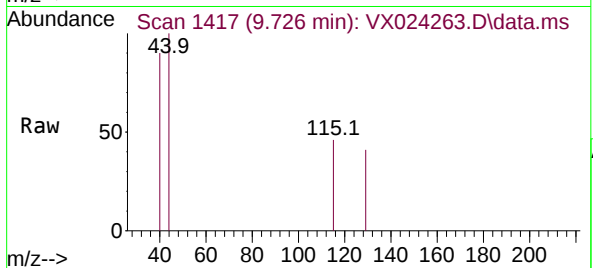
33129

Tgt Ion:129 Resp: 64

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 50.347 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024263.D

Acq: 15 Sep 2021 16:13

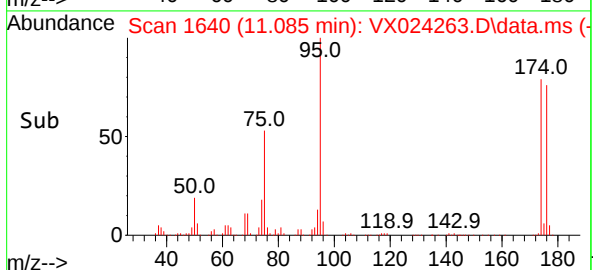
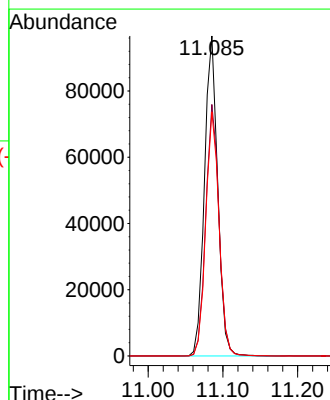
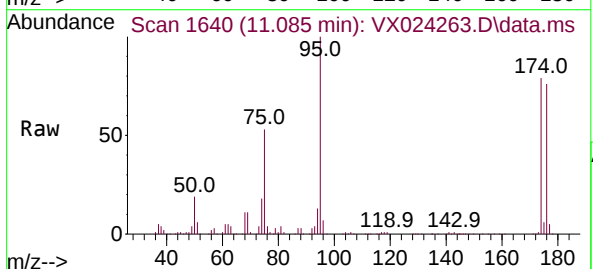
Tgt Ion: 95 Resp: 118616

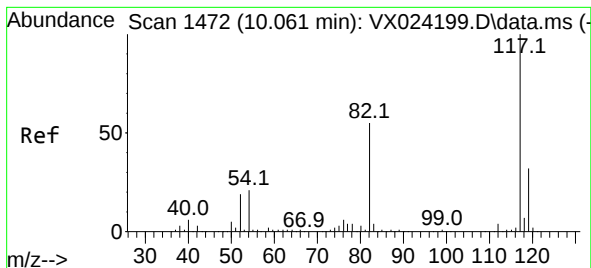
Ion Ratio Lower Upper

95 100

174 78.8 0.0 154.6

176 76.7 0.0 155.8

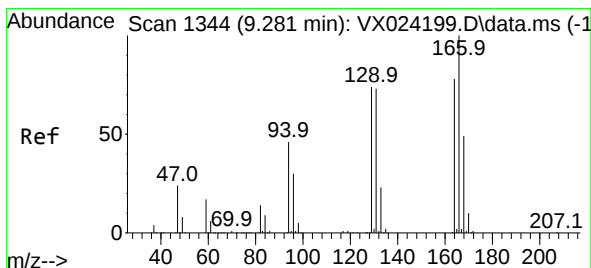
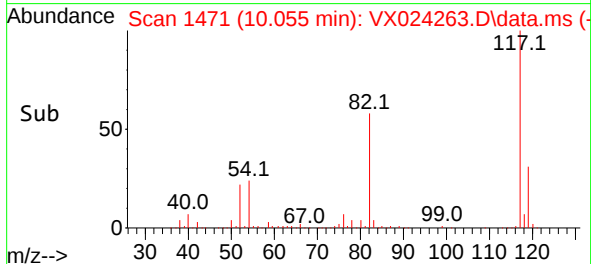
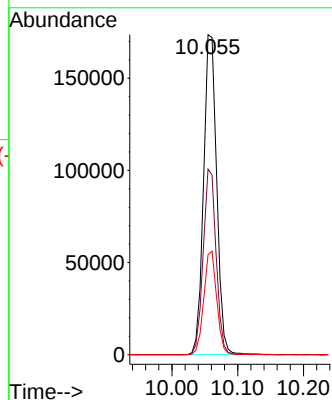
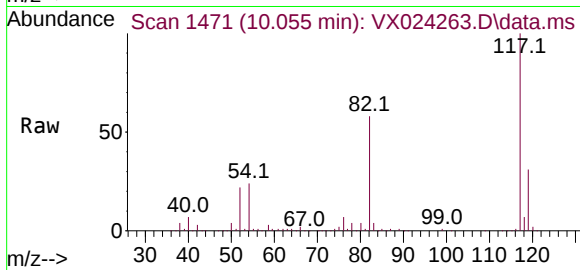




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

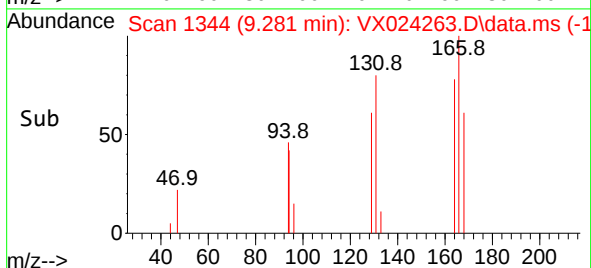
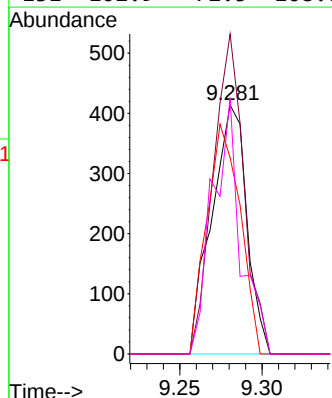
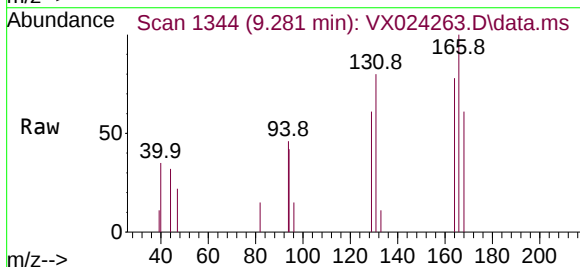
Instrument :
MSVOA_X
ClientSampled :
33129

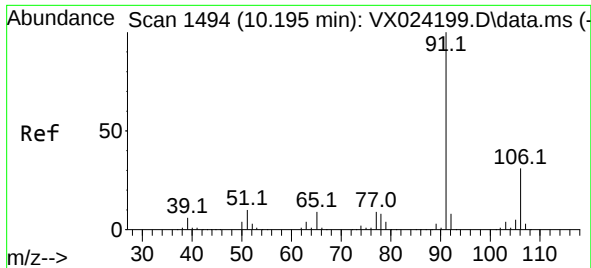
Tgt Ion:117 Resp: 241187
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 31.2 26.6 39.8



#64
Tetrachloroethene
Concen: 0.328 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion:164 Resp: 613
Ion Ratio Lower Upper
164 100
166 128.5 103.4 155.2
129 78.7 70.8 106.2
131 102.9 72.5 108.7

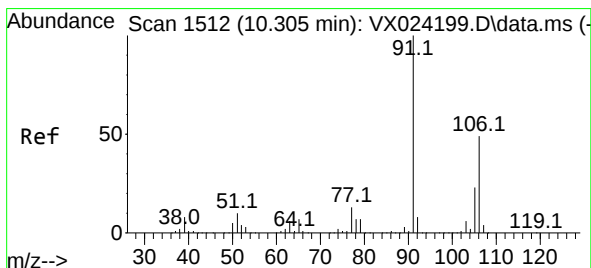
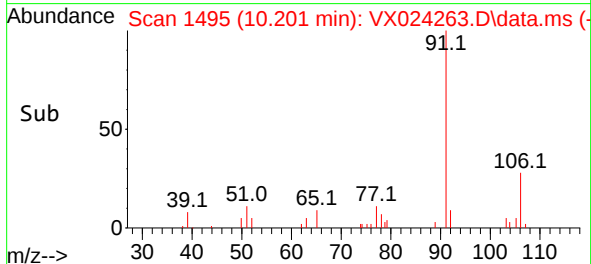
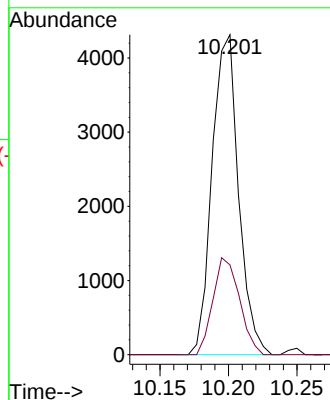
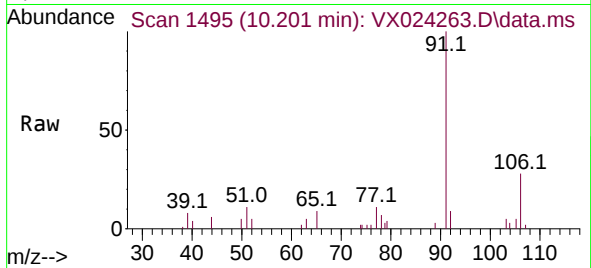




#67
Ethyl Benzene
Concen: 0.667 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

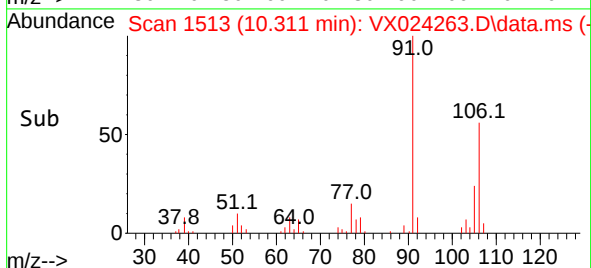
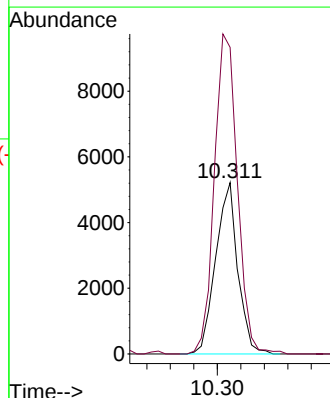
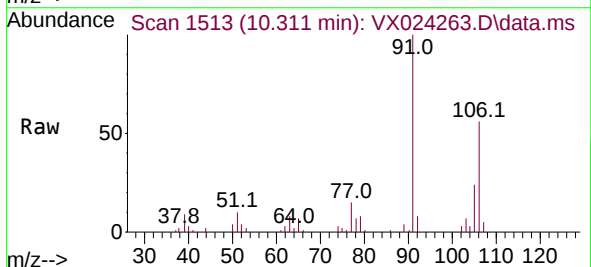
Instrument :
MSVOA_X
ClientSampled :
33129

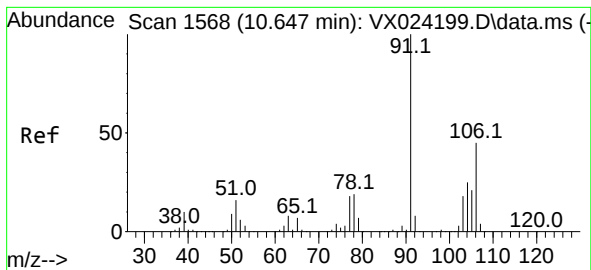
Tgt Ion: 91 Resp: 5789
Ion Ratio Lower Upper
91 100
106 28.0 24.6 37.0



#68
m/p-Xylenes
Concen: 2.049 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion: 106 Resp: 6810
Ion Ratio Lower Upper
106 100
91 194.6 162.8 244.2

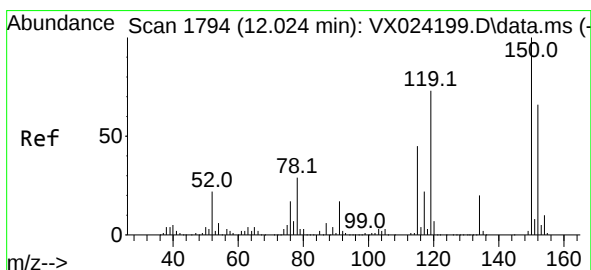
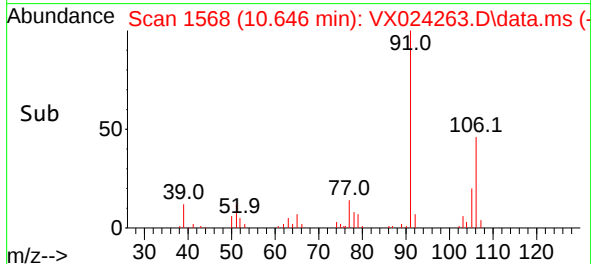
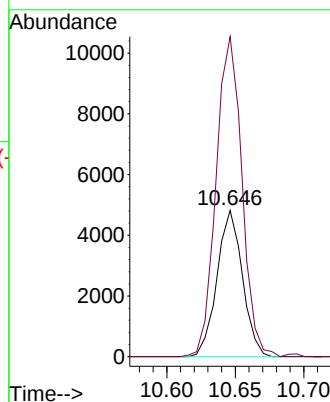
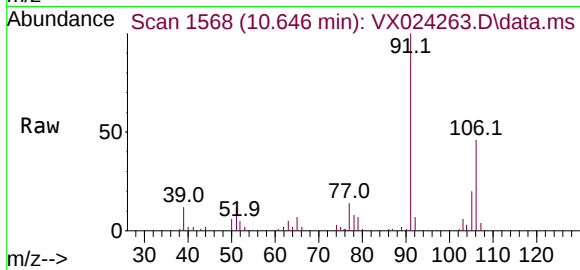




#69
o-Xylene
Concen: 1.873 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

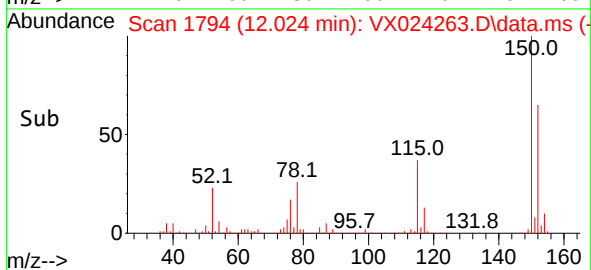
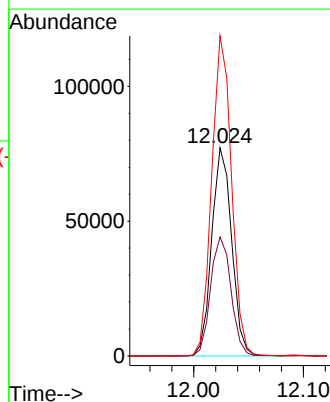
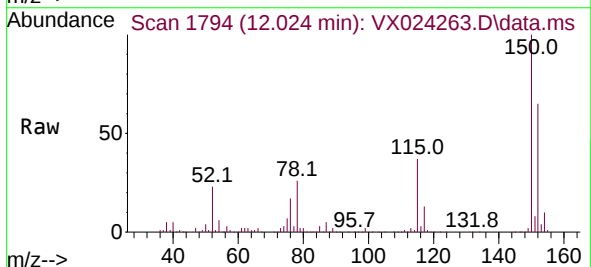
Instrument :
MSVOA_X
ClientSampled :
33129

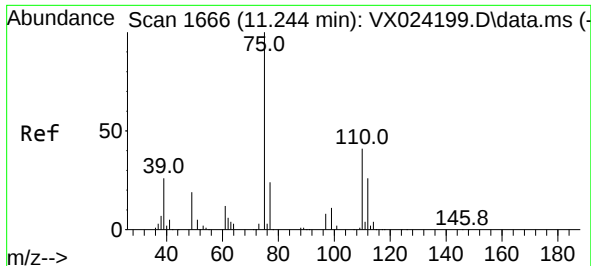
Tgt Ion:106 Resp: 6214
Ion Ratio Lower Upper
106 100
91 223.5 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion:152 Resp: 97685
Ion Ratio Lower Upper
152 100
115 58.6 41.1 123.3
150 153.0 0.0 349.0

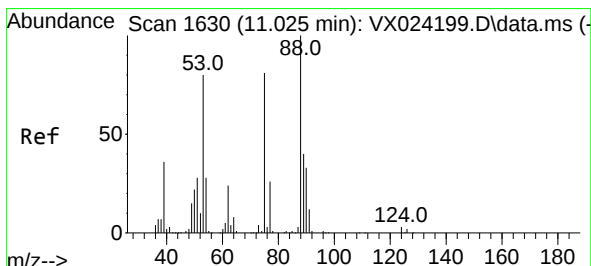
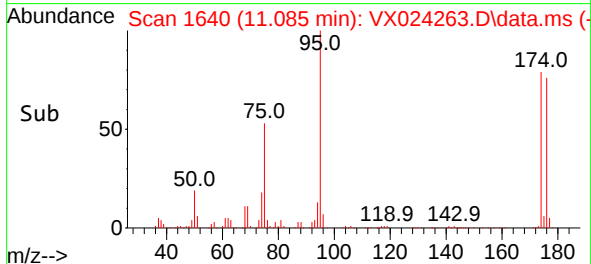
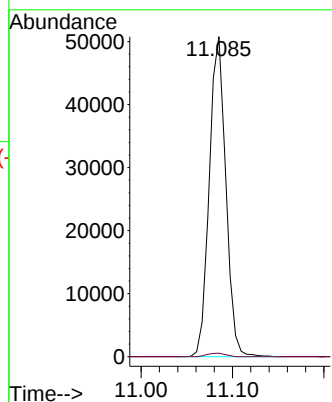
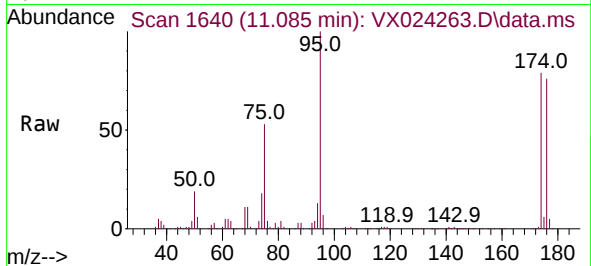




#76
1,2,3-Trichloropropane
Concen: 28.338 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

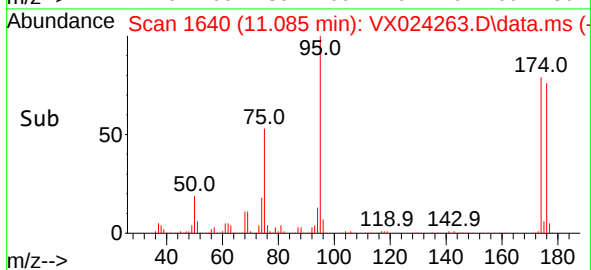
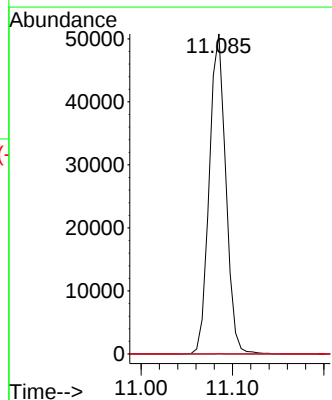
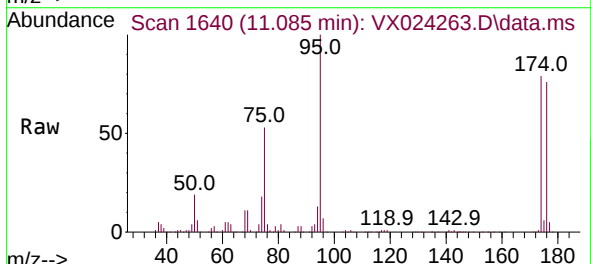
Instrument :
MSVOA_X
ClientSampled :
33129

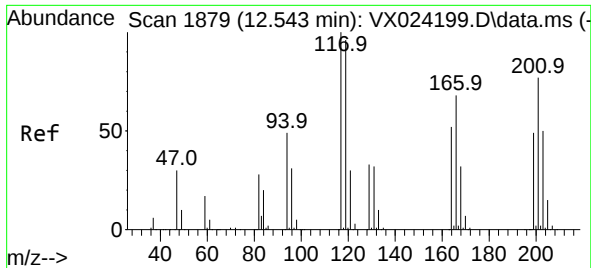
Tgt Ion: 75 Resp: 63652
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.342 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion: 75 Resp: 63652
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

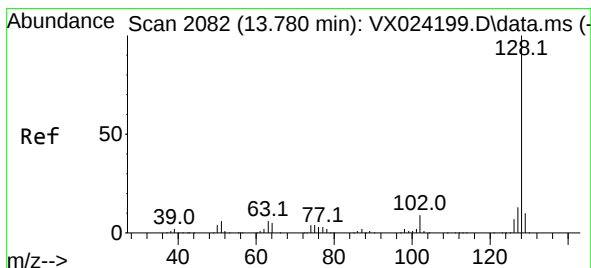
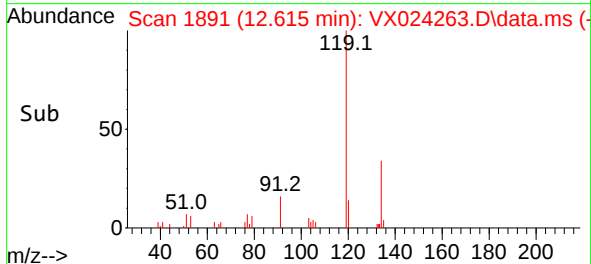
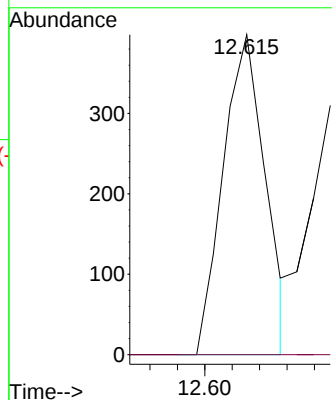
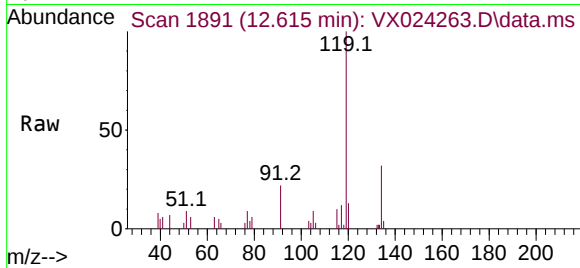




#90
Hexachloroethane
Concen: 0.426 ug/l
RT: 12.615 min Scan# 1891
Delta R.T. 0.072 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Instrument :
MSVOA_X
ClientSampled :
33129

Tgt Ion:117 Resp: 427
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 1.330 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX024263.D
Acq: 15 Sep 2021 16:13

Tgt Ion:128 Resp: 305
Ion Ratio Lower Upper
128 100
127 14.1 10.3 15.5
129 0.0 8.8 13.2#

