

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020822\
 Data File : VX026846.D
 Acq On : 09 Feb 2022 01:15
 Operator : JC/MD
 Sample : N1425-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20422

Quant Time: Feb 09 05:19:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

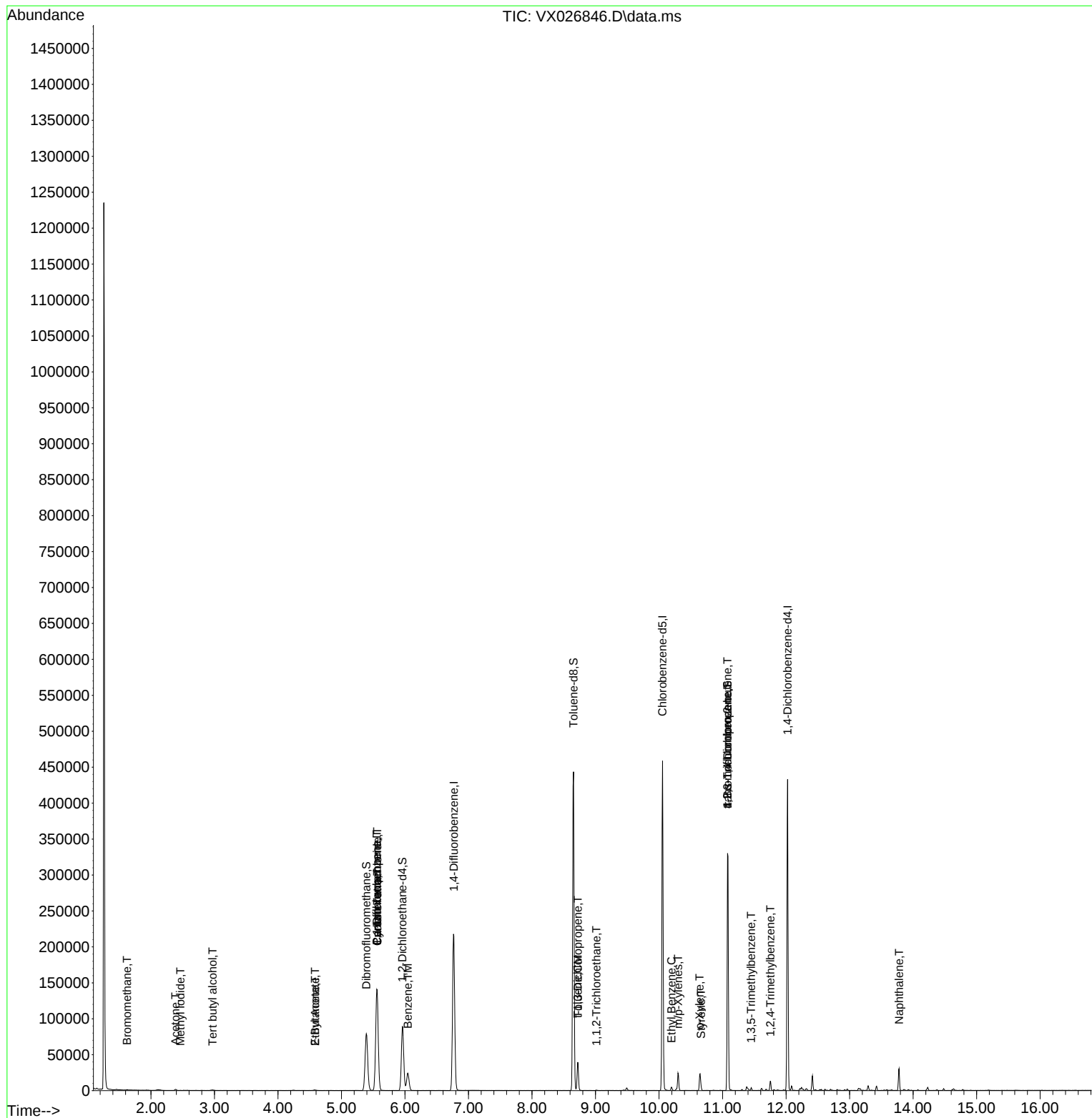
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	133816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	225419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85640	53.314	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.620%	
35) Dibromofluoromethane	5.391	113	70303	52.348	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.700%	
50) Toluene-d8	8.653	98	262669	53.282	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.560%	
62) 4-Bromofluorobenzene	11.079	95	94862	54.656	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.320%	
Target Compounds						Qvalue
5) Bromomethane	1.624	94	151	0.251	ug/l	89
10) Methyl Iodide	2.465	142	187	2.348	ug/l #	88
11) Tert butyl alcohol	2.971	59	1364	4.700	ug/l #	75
16) Acetone	2.386	43	2069	2.933	ug/l	92
25) 2-Butanone	4.586	43	848	0.746	ug/l	92
31) Cyclohexane	5.562	56	2739	1.073	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10219	4.823	ug/l #	51
37) Ethyl Acetate	4.586	43	848	0.352	ug/l #	69
38) Carbon Tetrachloride	5.562	117	13751	6.189	ug/l #	17
40) Benzene	6.043	78	29552	4.786	ug/l	99
52) Toluene	8.720	92	14718	3.765	ug/l	98
53) t-1,3-Dichloropropene	8.720	75	131	1.407	ug/l #	1
55) 1,1,2-Trichloroethane	9.012	97	422	0.285	ug/l #	15
67) Ethyl Benzene	10.195	91	3017	0.411	ug/l	98
68) m/p-Xylenes	10.299	106	5603	1.982	ug/l	100
69) o-Xylene	10.640	106	4762	1.719	ug/l	98
70) Styrene	10.659	104	2675	0.595	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	46508	24.514	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	1683	0.300	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	46508	74.840	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	6283	1.109	ug/l	100
95) Naphthalene	13.780	128	19075	3.008	ug/l	99

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

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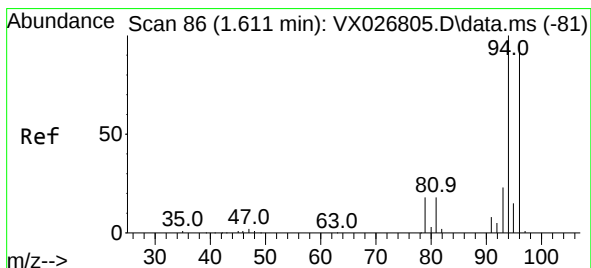
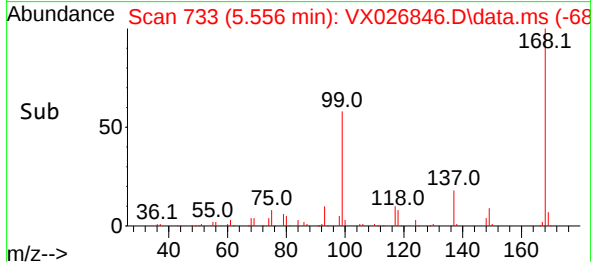
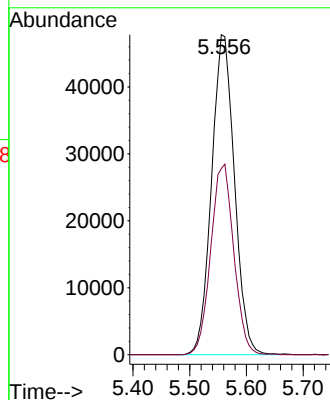
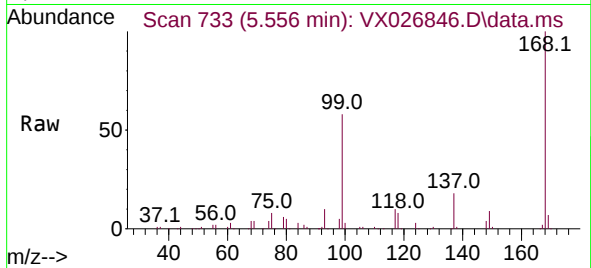




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

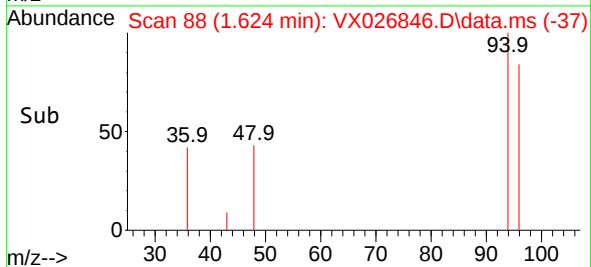
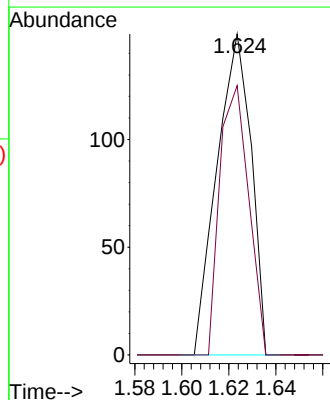
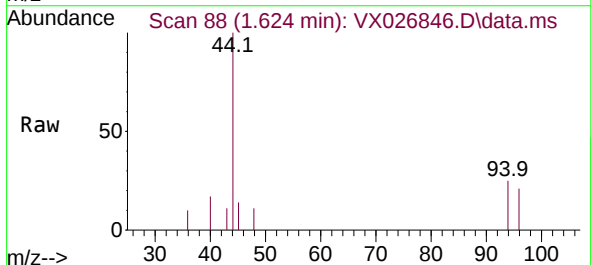
Instrument :
MSVOA_X
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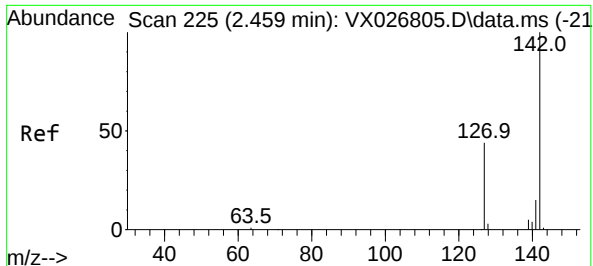
Tgt Ion:168 Resp: 133816
Ion Ratio Lower Upper
168 100
99 58.2 50.3 75.5



#5
Bromomethane
Concen: 0.251 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

Tgt Ion: 94 Resp: 151
Ion Ratio Lower Upper
94 100
96 83.9 75.9 113.9

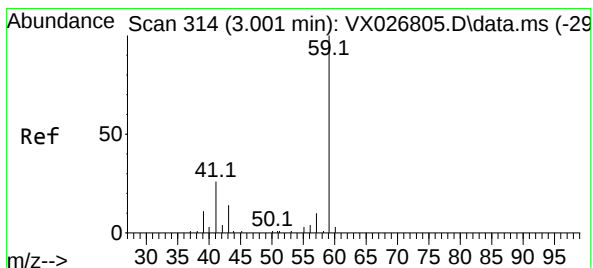
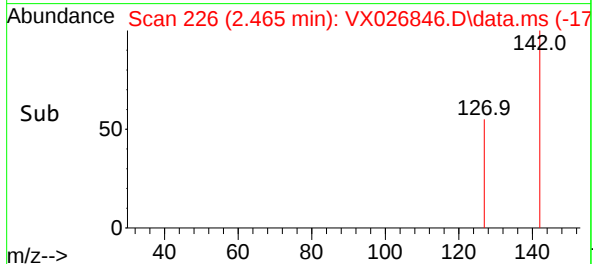
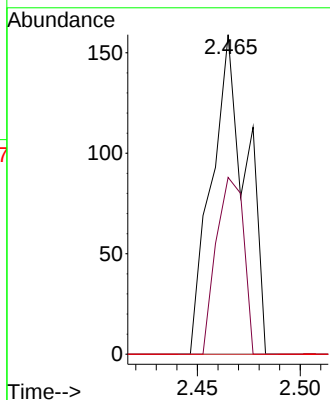
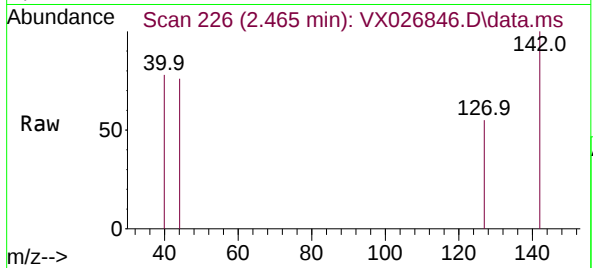




#10
Methyl Iodide
Concen: 2.348 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

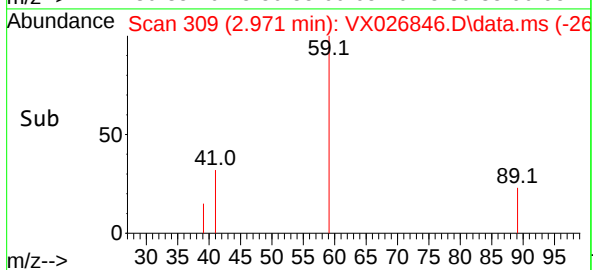
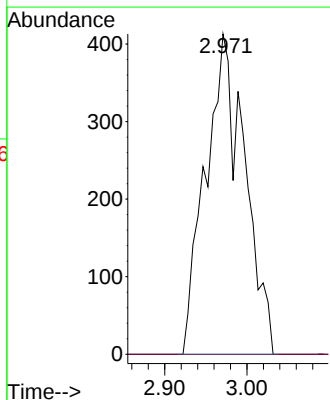
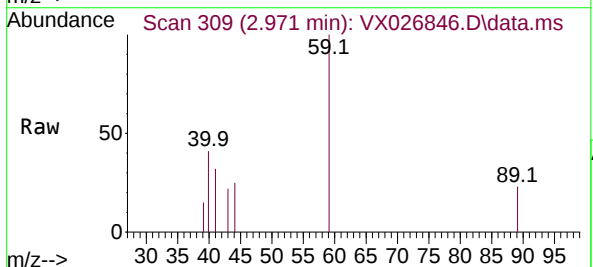
Instrument :
MSVOA_X
ClientSampleId :
20422

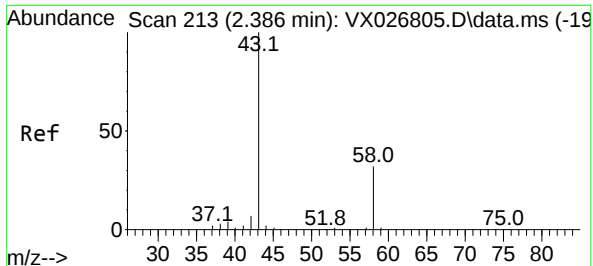
Tgt Ion:142 Resp: 187
Ion Ratio Lower Upper
142 100
127 43.9 38.1 57.1
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 4.700 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.030 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

Tgt Ion: 59 Resp: 1364
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

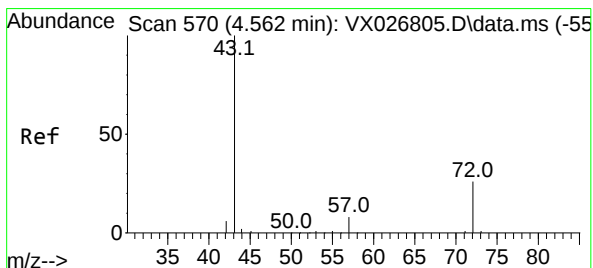
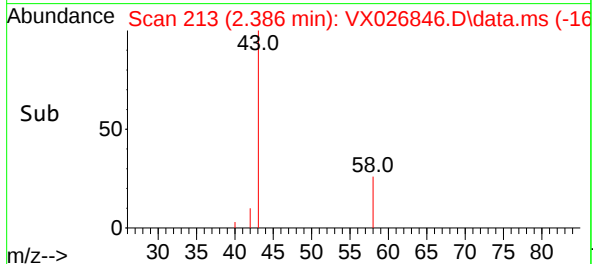
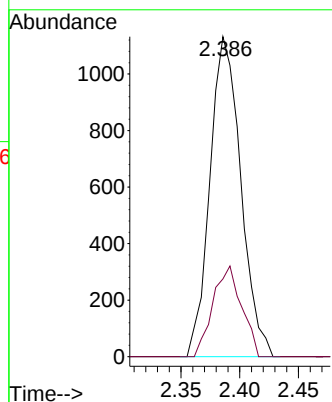
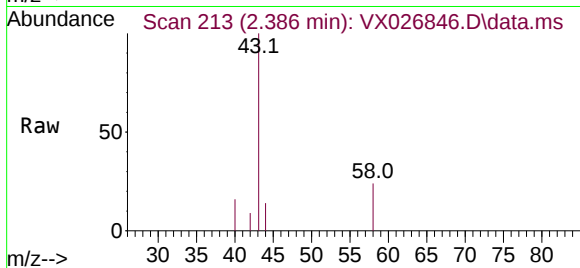




#16
Acetone
Concen: 2.933 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

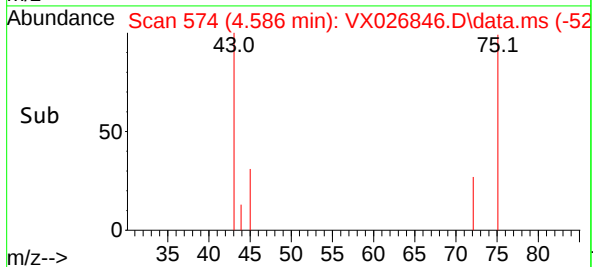
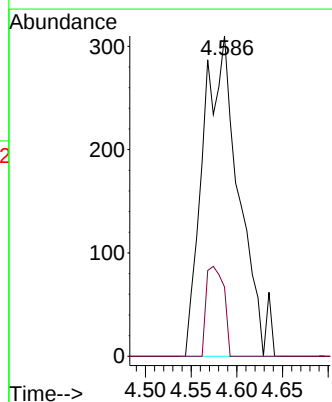
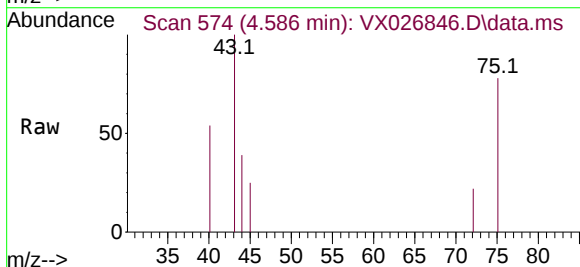
Instrument :
MSVOA_X
ClientSampleId :
20422

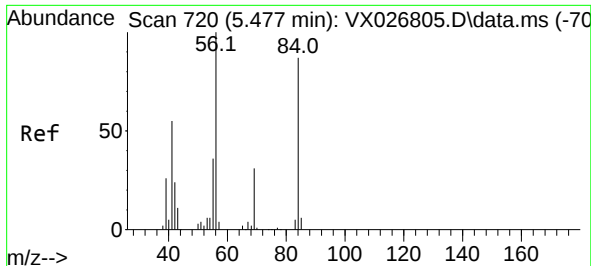
Tgt Ion: 43 Resp: 2069
Ion Ratio Lower Upper
43 100
58 24.3 23.0 34.6



#25
2-Butanone
Concen: 0.746 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.024 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
72 21.6 20.4 30.6

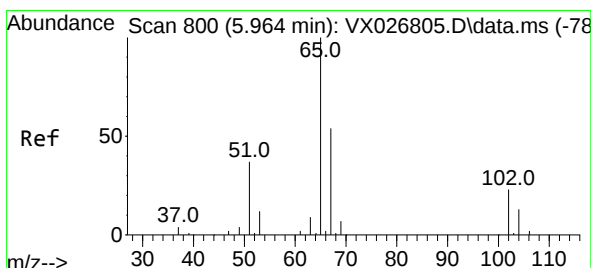
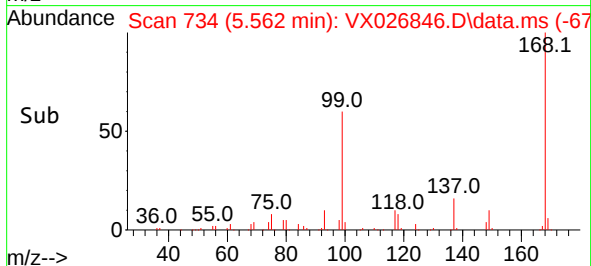
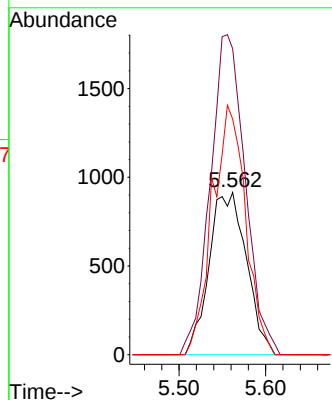
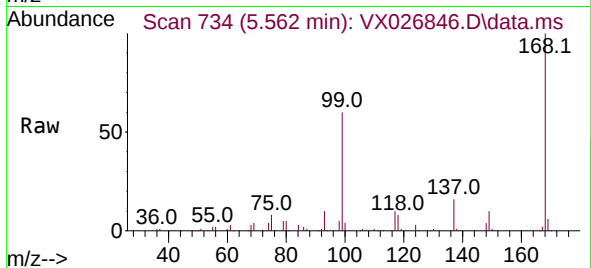




#31
Cyclohexane
Concen: 1.073 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

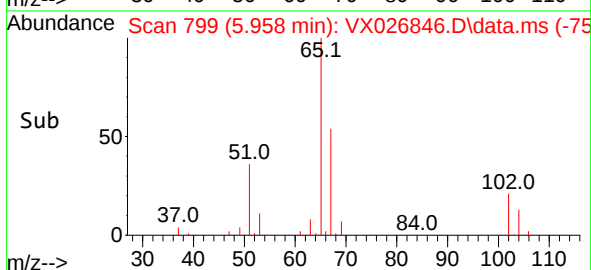
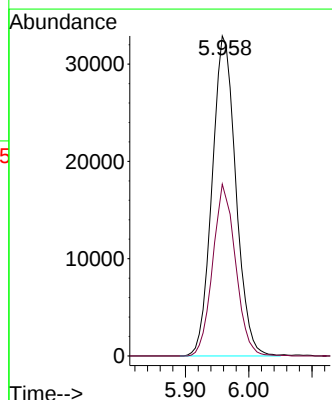
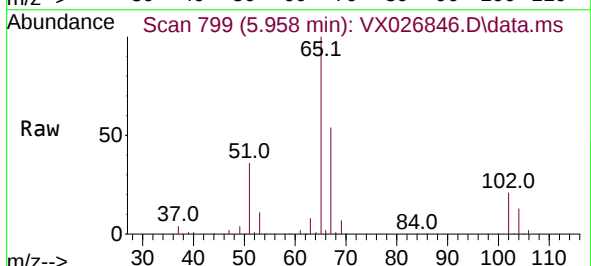
Instrument :
MSVOA_X
ClientSampleId :
20422

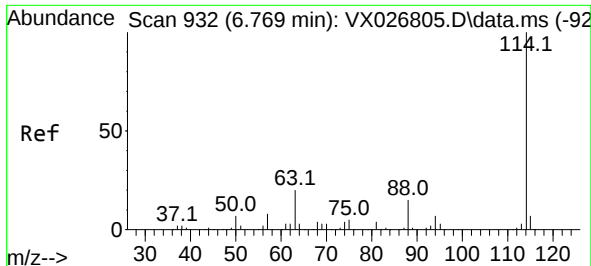
Tgt Ion: 56 Resp: 2739
Ion Ratio Lower Upper
56 100
69 188.5 25.8 38.6#
84 145.1 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 53.314 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

Tgt Ion: 65 Resp: 85640
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.8

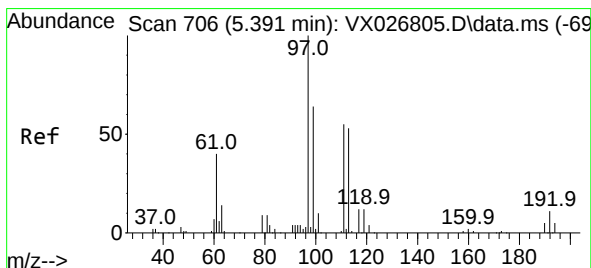
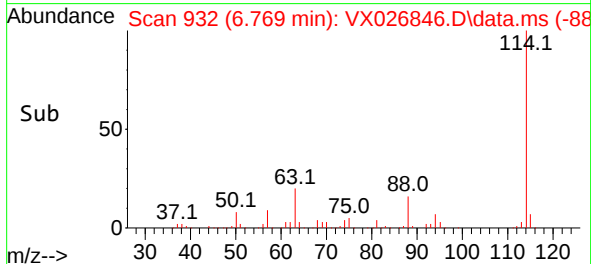
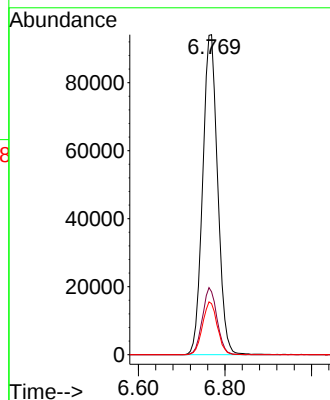
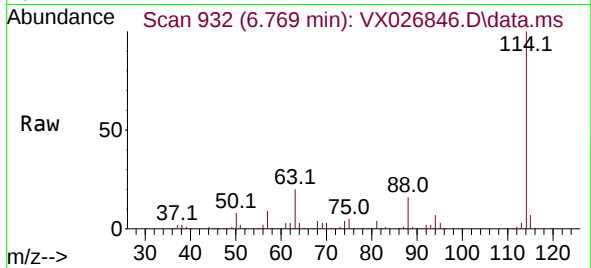




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

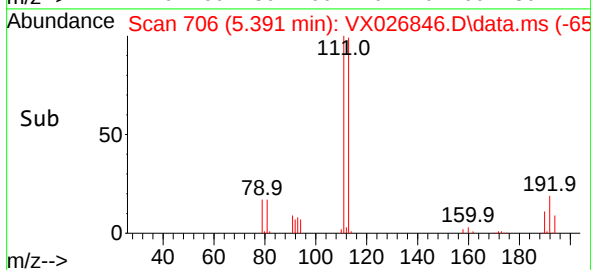
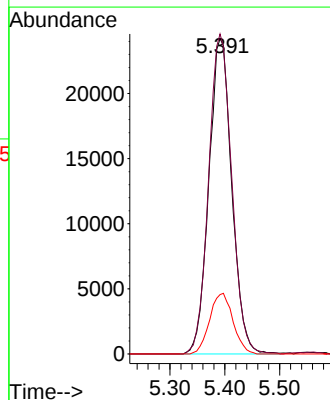
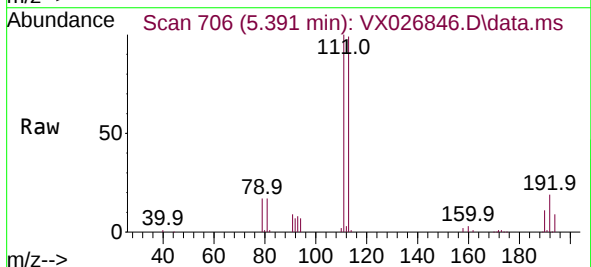
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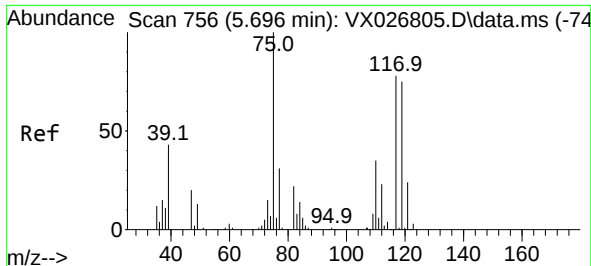
Tgt Ion:114 Resp: 225419
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.8
88 16.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 52.348 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

Tgt Ion:113 Resp: 70303
Ion Ratio Lower Upper
113 100
111 102.1 81.2 121.8
192 19.6 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.823 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX026846.D

Acq: 09 Feb 2022 01:15

Instrument :

MSVOA_X

ClientSampleId :

20422

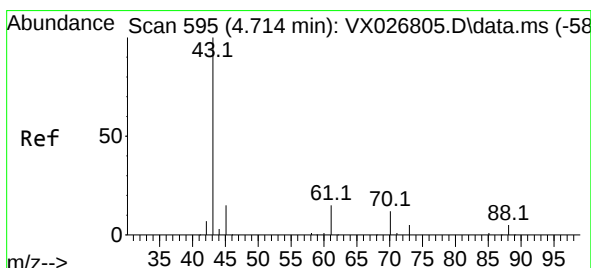
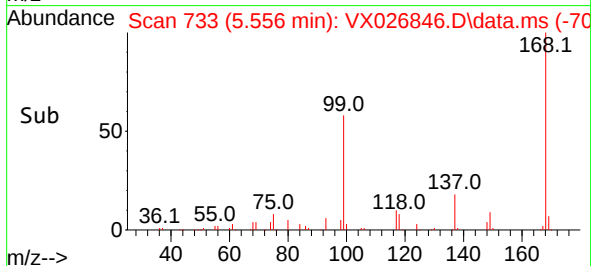
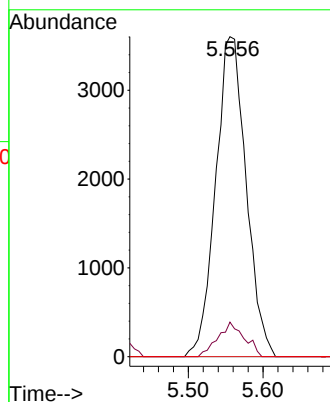
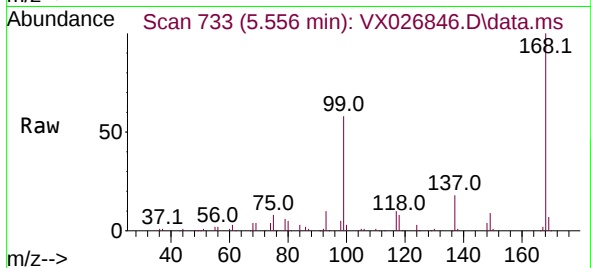
Tgt Ion: 75 Resp: 10219

Ion Ratio Lower Upper

75 100

110 9.3 17.2 51.6#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 0.352 ug/l

RT: 4.586 min Scan# 574

Delta R.T. -0.128 min

Lab File: VX026846.D

Acq: 09 Feb 2022 01:15

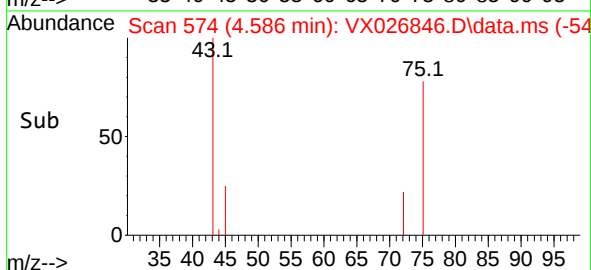
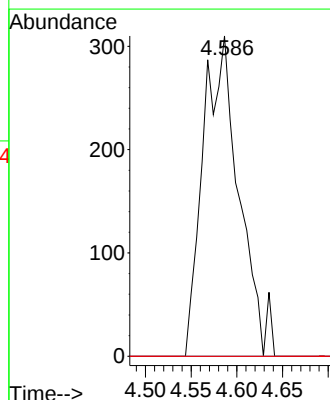
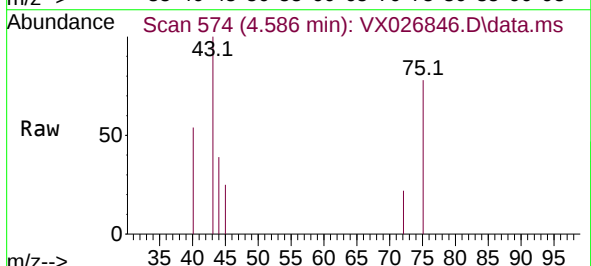
Tgt Ion: 43 Resp: 848

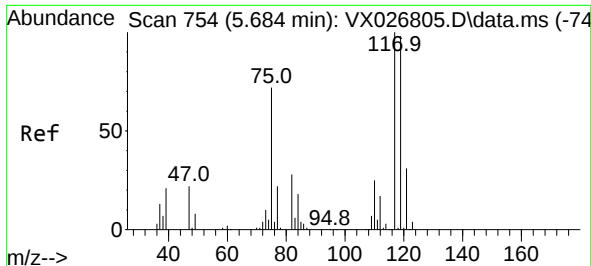
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.5 12.7#

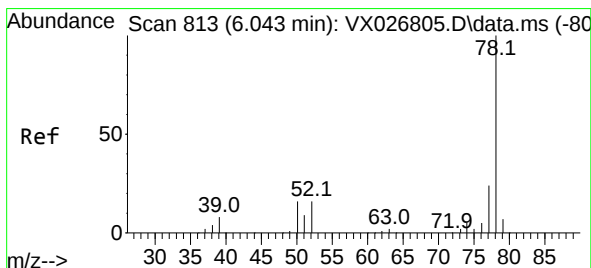
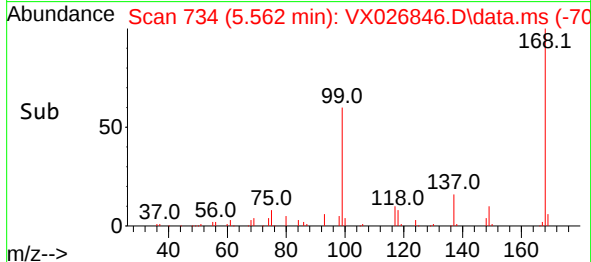
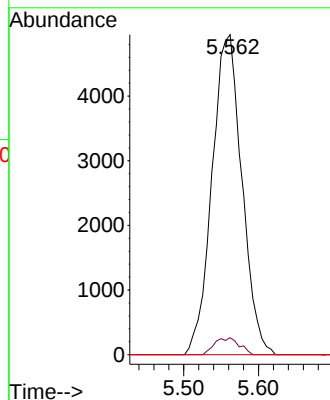
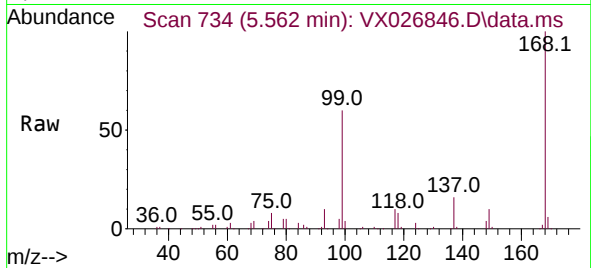




#38
Carbon Tetrachloride
Concen: 6.189 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

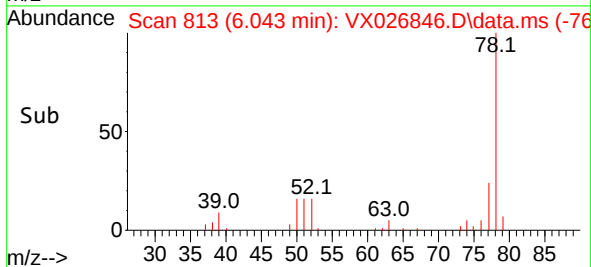
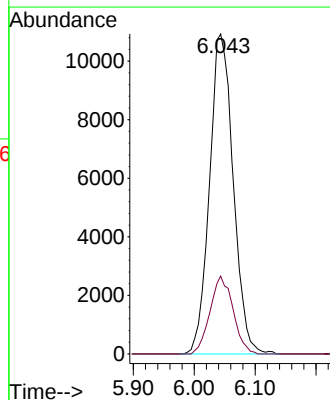
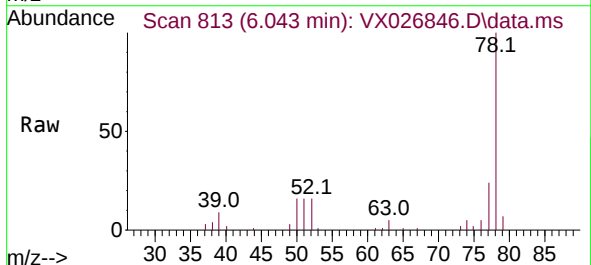
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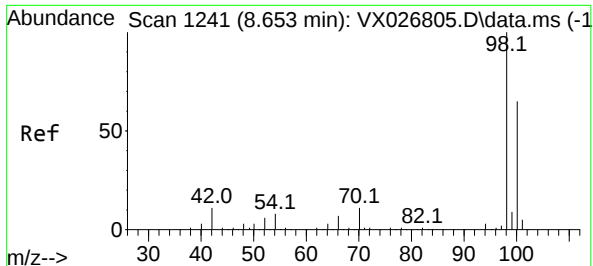
Tgt Ion:117 Resp: 13751
Ion Ratio Lower Upper
117 100
119 5.3 74.7 112.1#
121 0.0 25.4 38.0#



#40
Benzene
Concen: 4.786 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

Tgt Ion: 78 Resp: 29552
Ion Ratio Lower Upper
78 100
77 24.3 18.9 28.3

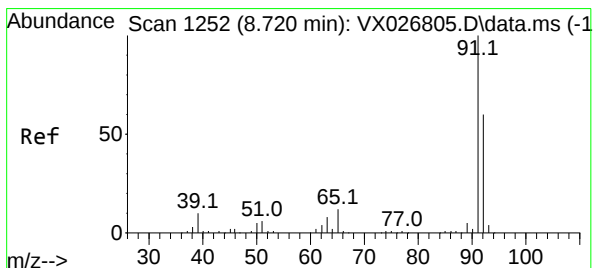
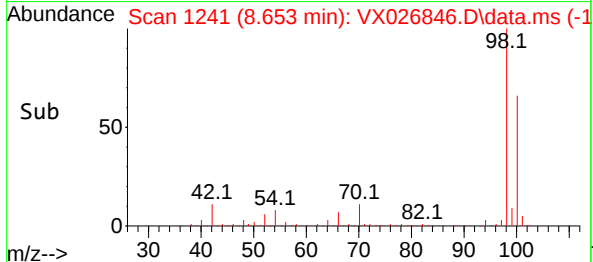
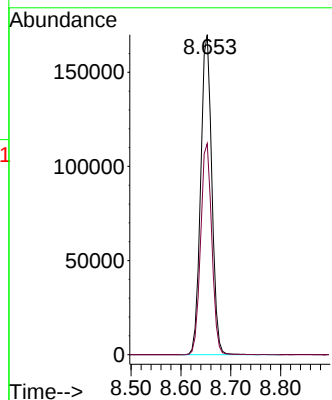
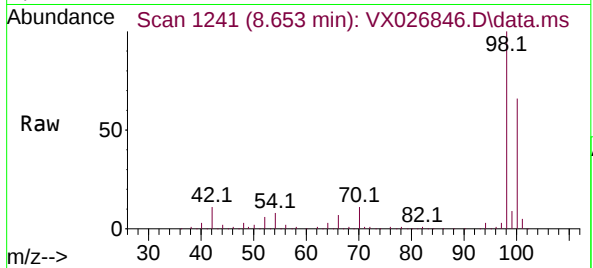




#50
Toluene-d8
Concen: 53.282 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

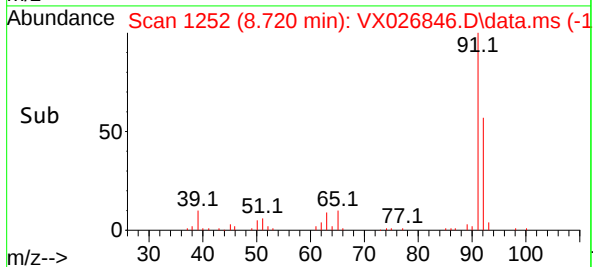
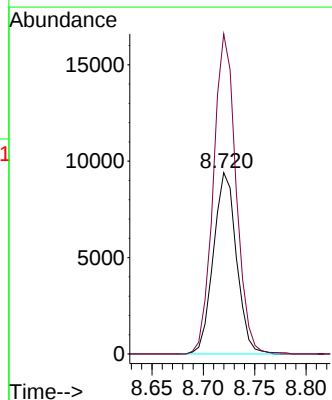
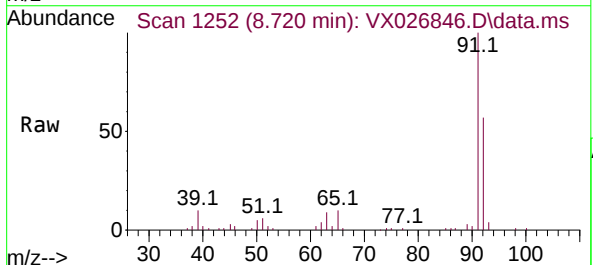
Instrument :
MSVOA_X
ClientSampleId :
20422

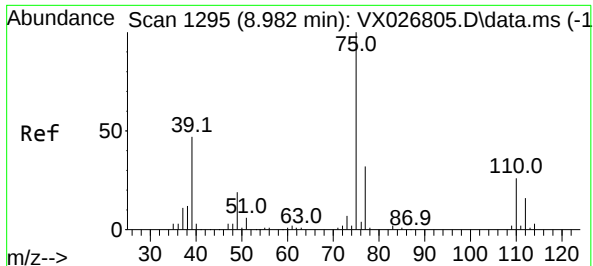
Tgt Ion: 98 Resp: 262669
Ion Ratio Lower Upper
98 100
100 66.3 53.2 79.8



#52
Toluene
Concen: 3.765 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

Tgt Ion: 92 Resp: 14718
Ion Ratio Lower Upper
92 100
91 173.0 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 1.407 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.262 min

Lab File: VX026846.D

Acq: 09 Feb 2022 01:15

Instrument :

MSVOA_X

ClientSampleId :

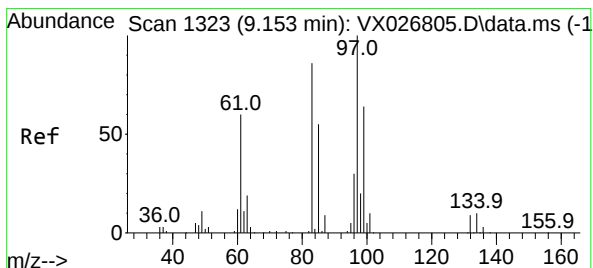
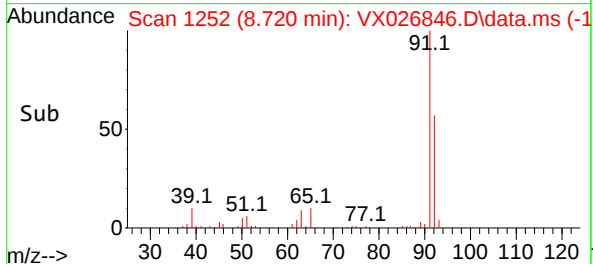
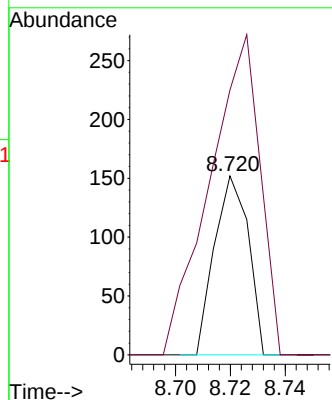
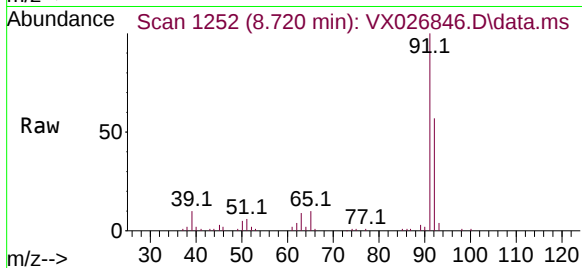
20422

Tgt Ion: 75 Resp: 131

Ion Ratio Lower Upper

75 100

77 148.0 25.7 38.5#



#55

1,1,2-Trichloroethane

Concen: 0.285 ug/l

RT: 9.012 min Scan# 1300

Delta R.T. -0.140 min

Lab File: VX026846.D

Acq: 09 Feb 2022 01:15

Tgt Ion: 97 Resp: 422

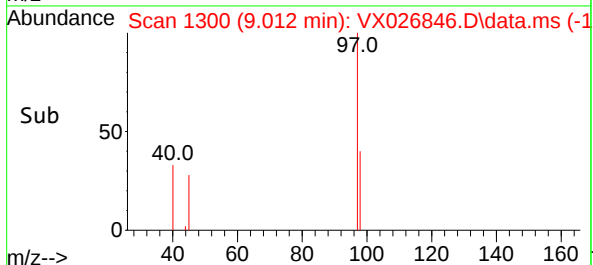
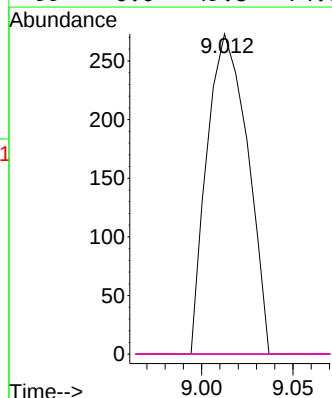
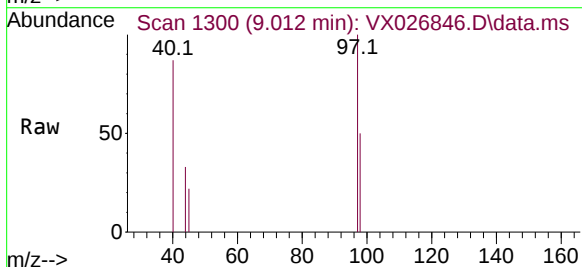
Ion Ratio Lower Upper

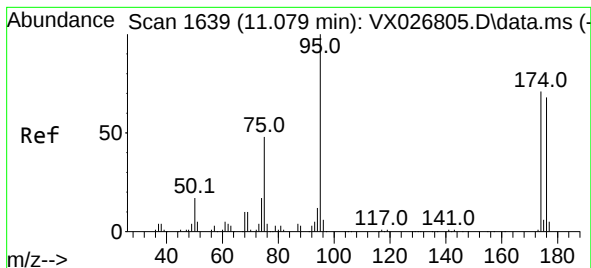
97 100

83 0.0 68.4 102.6#

85 0.0 44.0 66.0#

99 0.0 49.8 74.6#

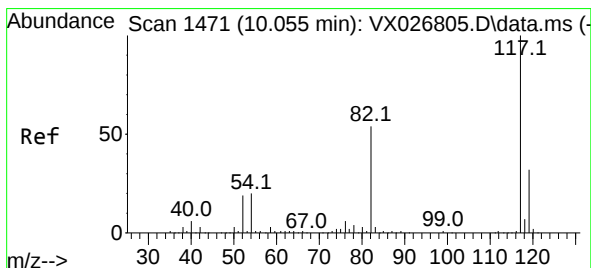
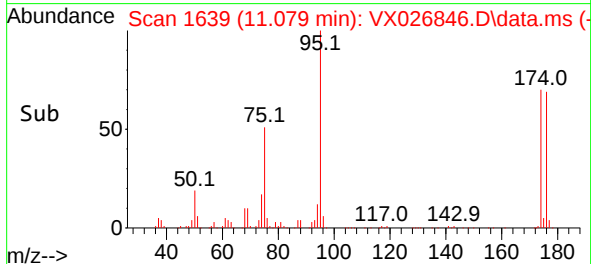
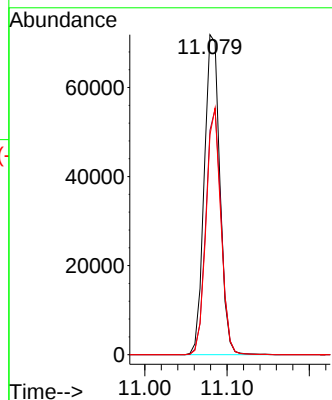
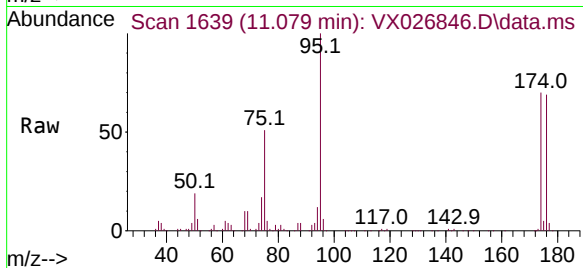




#62
4-Bromofluorobenzene
Concen: 54.656 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

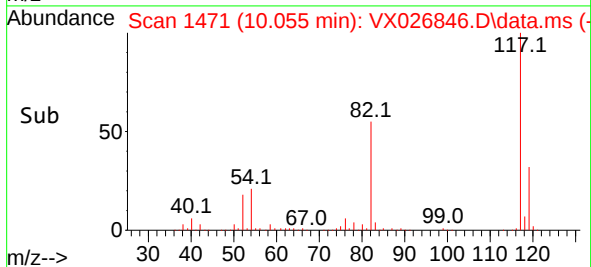
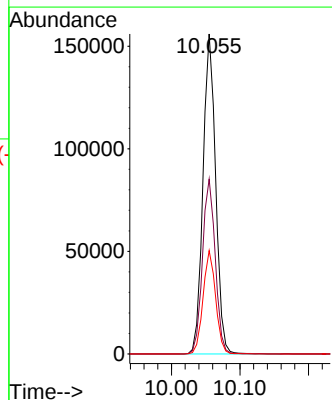
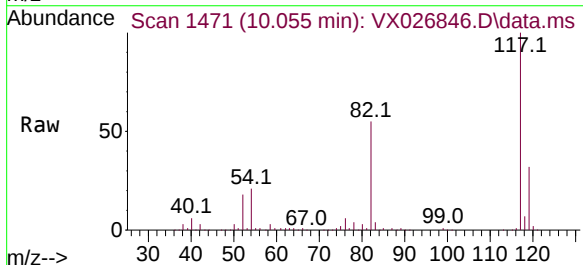
Instrument :
MSVOA_X
ClientSampleId :
20422

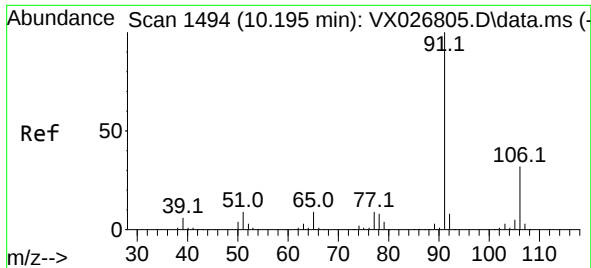
Tgt Ion: 95 Resp: 94862
Ion Ratio Lower Upper
95 100
174 74.9 0.0 148.6
176 73.1 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

Tgt Ion: 117 Resp: 200732
Ion Ratio Lower Upper
117 100
82 54.7 45.2 67.8
119 32.3 26.2 39.2





#67

Ethyl Benzene

Concen: 0.411 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX026846.D

Acq: 09 Feb 2022 01:15

Instrument :

MSVOA_X

ClientSampleId :

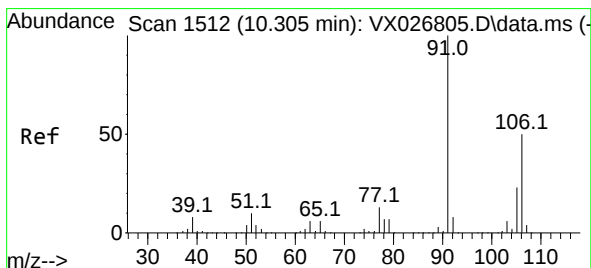
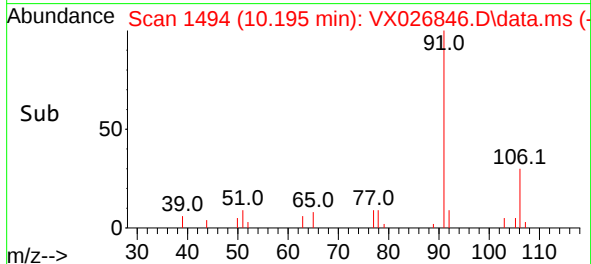
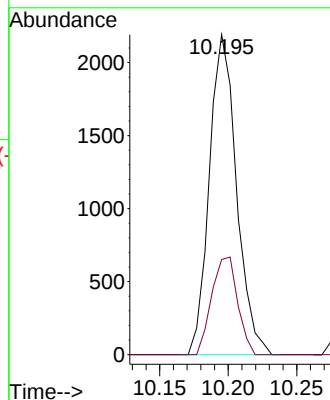
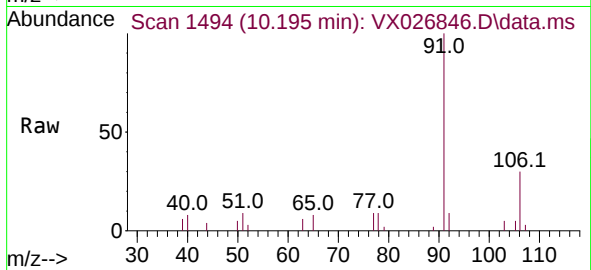
20422

Tgt Ion: 91 Resp: 3017

Ion Ratio Lower Upper

91 100

106 29.8 24.7 37.1



#68

m/p-Xylenes

Concen: 1.982 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.006 min

Lab File: VX026846.D

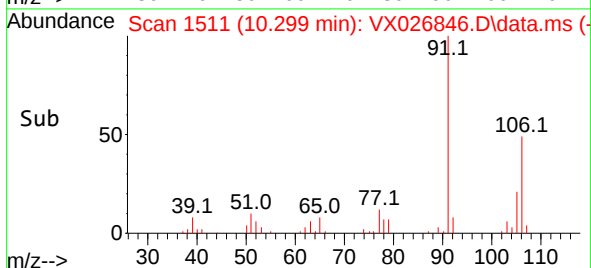
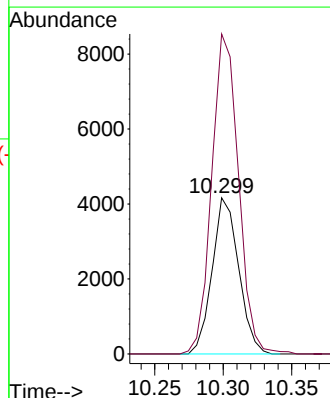
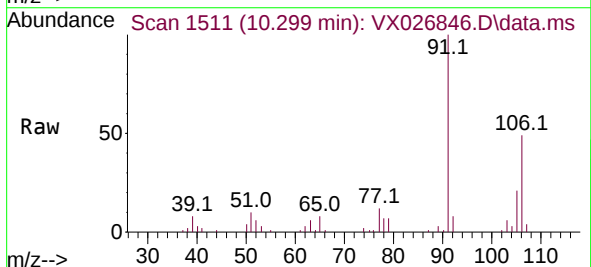
Acq: 09 Feb 2022 01:15

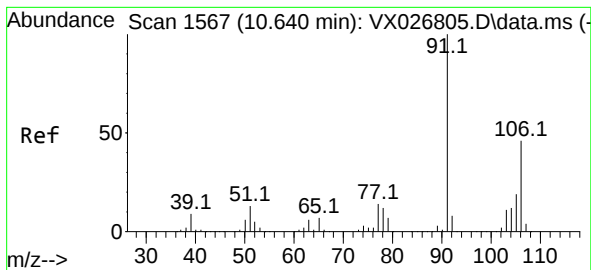
Tgt Ion: 106 Resp: 5603

Ion Ratio Lower Upper

106 100

91 207.1 165.3 247.9





#69

o-Xylene

Concen: 1.719 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX026846.D

Acq: 09 Feb 2022 01:15

Instrument :

MSVOA_X

ClientSampleId :

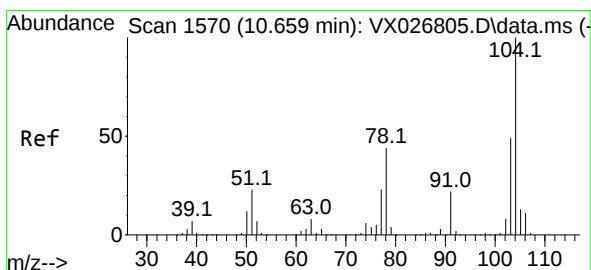
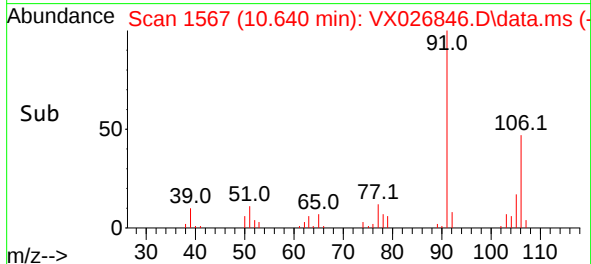
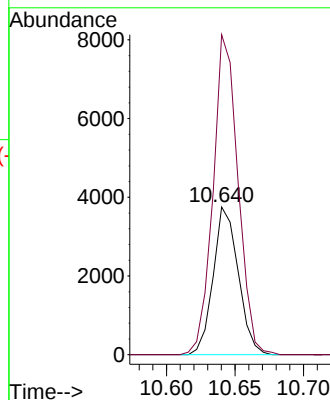
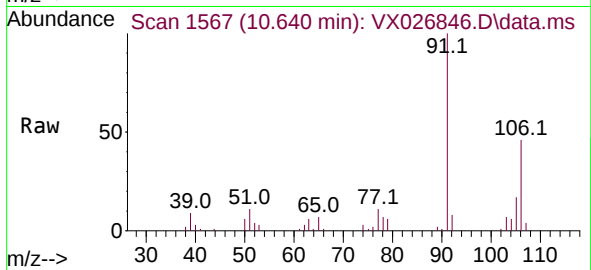
20422

Tgt Ion:106 Resp: 4762

Ion Ratio Lower Upper

106 100

91 216.3 109.7 329.0



#70

Styrene

Concen: 0.595 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.000 min

Lab File: VX026846.D

Acq: 09 Feb 2022 01:15

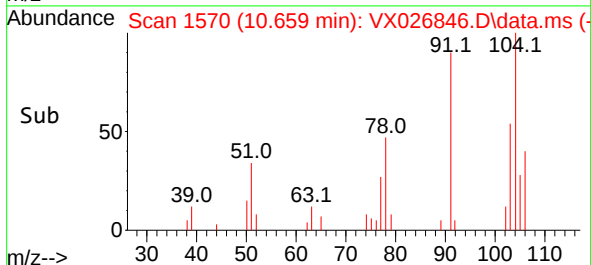
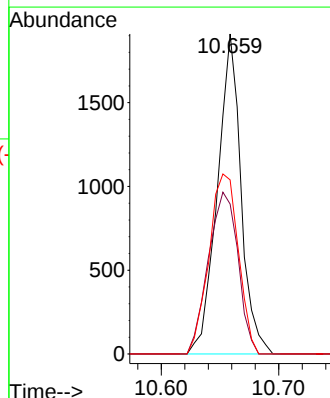
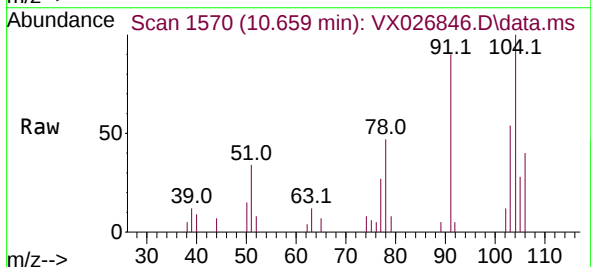
Tgt Ion:104 Resp: 2675

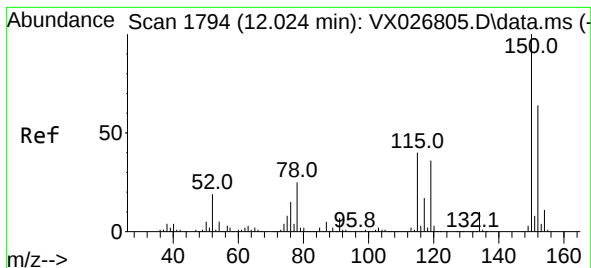
Ion Ratio Lower Upper

104 100

78 63.3 42.5 63.7

103 69.8 43.3 64.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX026846.D

Acq: 09 Feb 2022 01:15

Instrument :

MSVOA_X

ClientSampleId :

20422

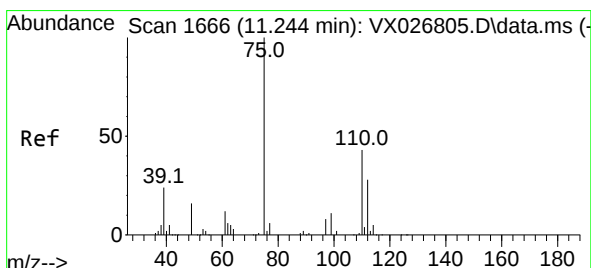
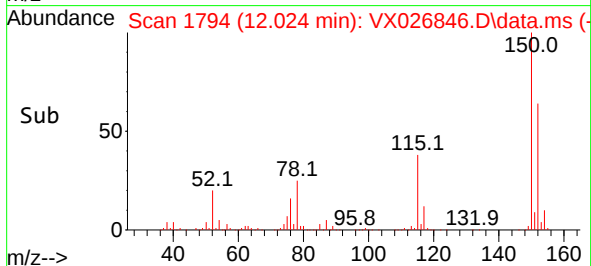
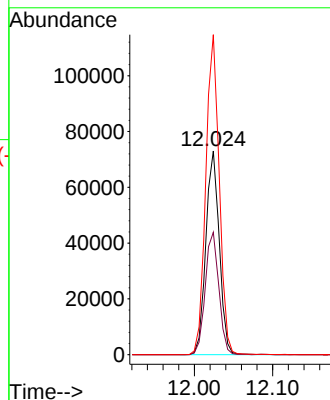
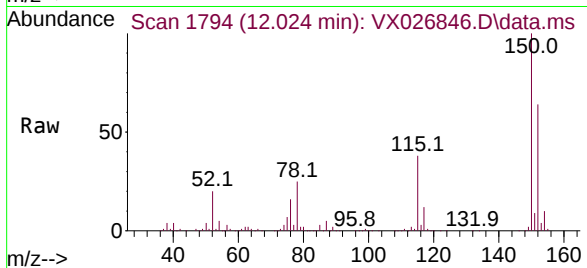
Tgt Ion:152 Resp: 86667

Ion Ratio Lower Upper

152 100

115 60.8 44.2 132.6

150 157.5 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 24.514 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX026846.D

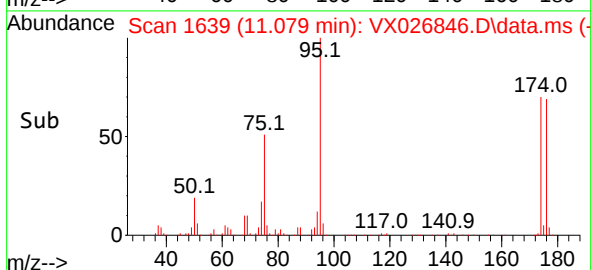
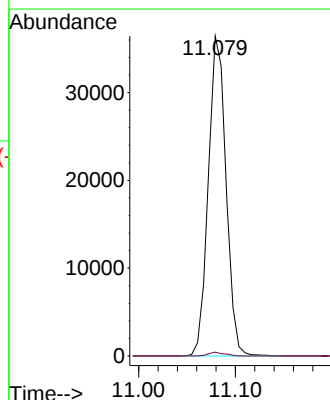
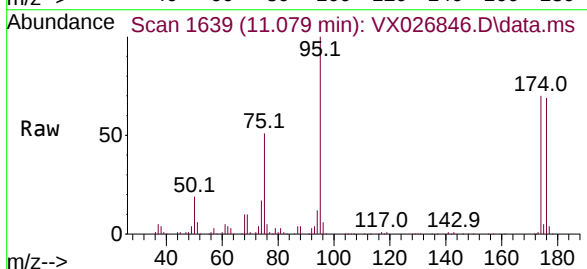
Acq: 09 Feb 2022 01:15

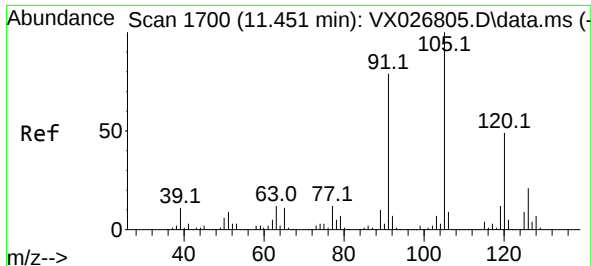
Tgt Ion: 75 Resp: 46508

Ion Ratio Lower Upper

75 100

77 1.1 18.3 54.8#

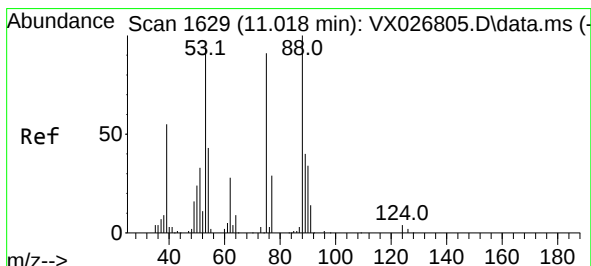
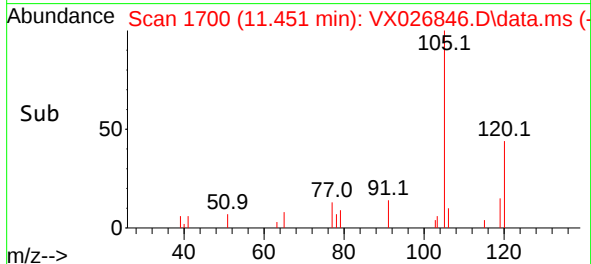
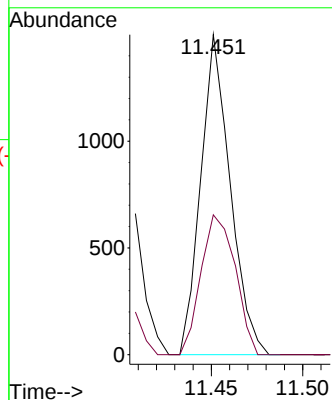
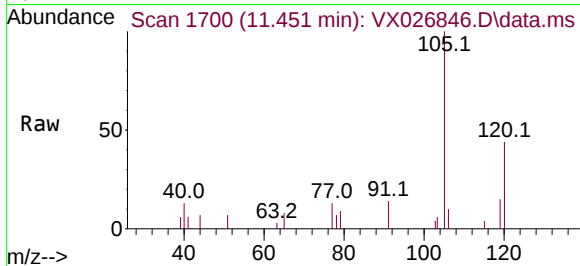




#80
1,3,5-Trimethylbenzene
Concen: 0.300 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

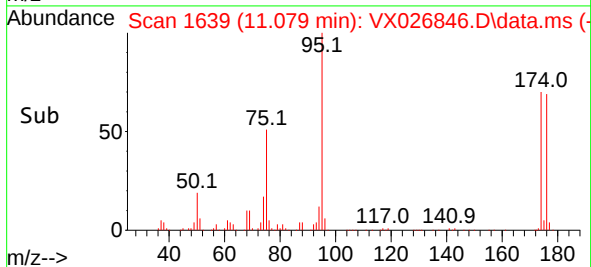
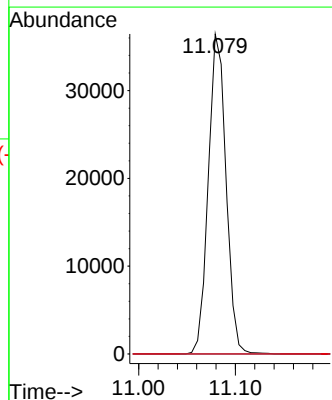
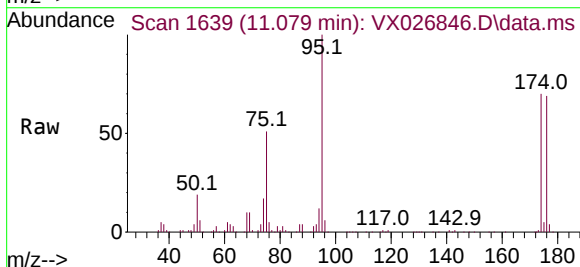
Instrument :
MSVOA_X
ClientSampleId :
20422

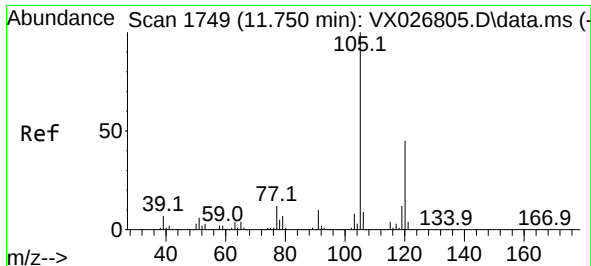
Tgt Ion:105 Resp: 1683
Ion Ratio Lower Upper
105 100
120 50.7 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 74.840 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

Tgt Ion: 75 Resp: 46508
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

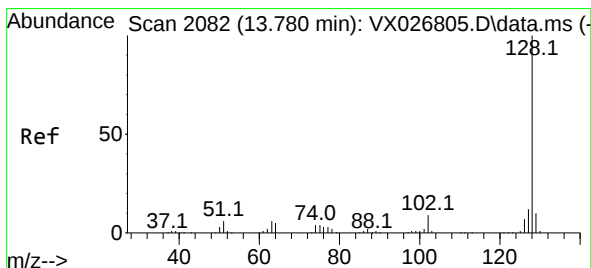
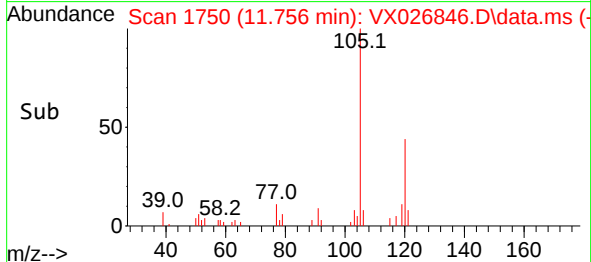
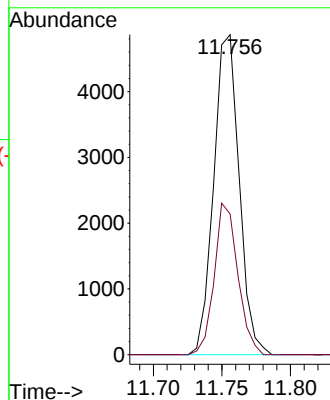
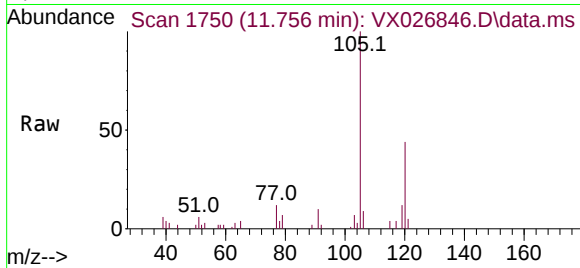




#84
1,2,4-Trimethylbenzene
Concen: 1.109 ug/l
RT: 11.756 min Scan# 11750
Delta R.T. 0.006 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

Instrument :
MSVOA_X
ClientSampleId :
20422

Tgt Ion:105 Resp: 6283
Ion Ratio Lower Upper
105 100
120 43.8 21.9 65.5



#95
Naphthalene
Concen: 3.008 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX026846.D
Acq: 09 Feb 2022 01:15

Tgt Ion:128 Resp: 19075
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 11.0 8.7 13.1

