

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011922\
 Data File : VX026516.D
 Acq On : 19 Jan 2022 14:01
 Operator : JC/MD
 Sample : N1187-07 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20970

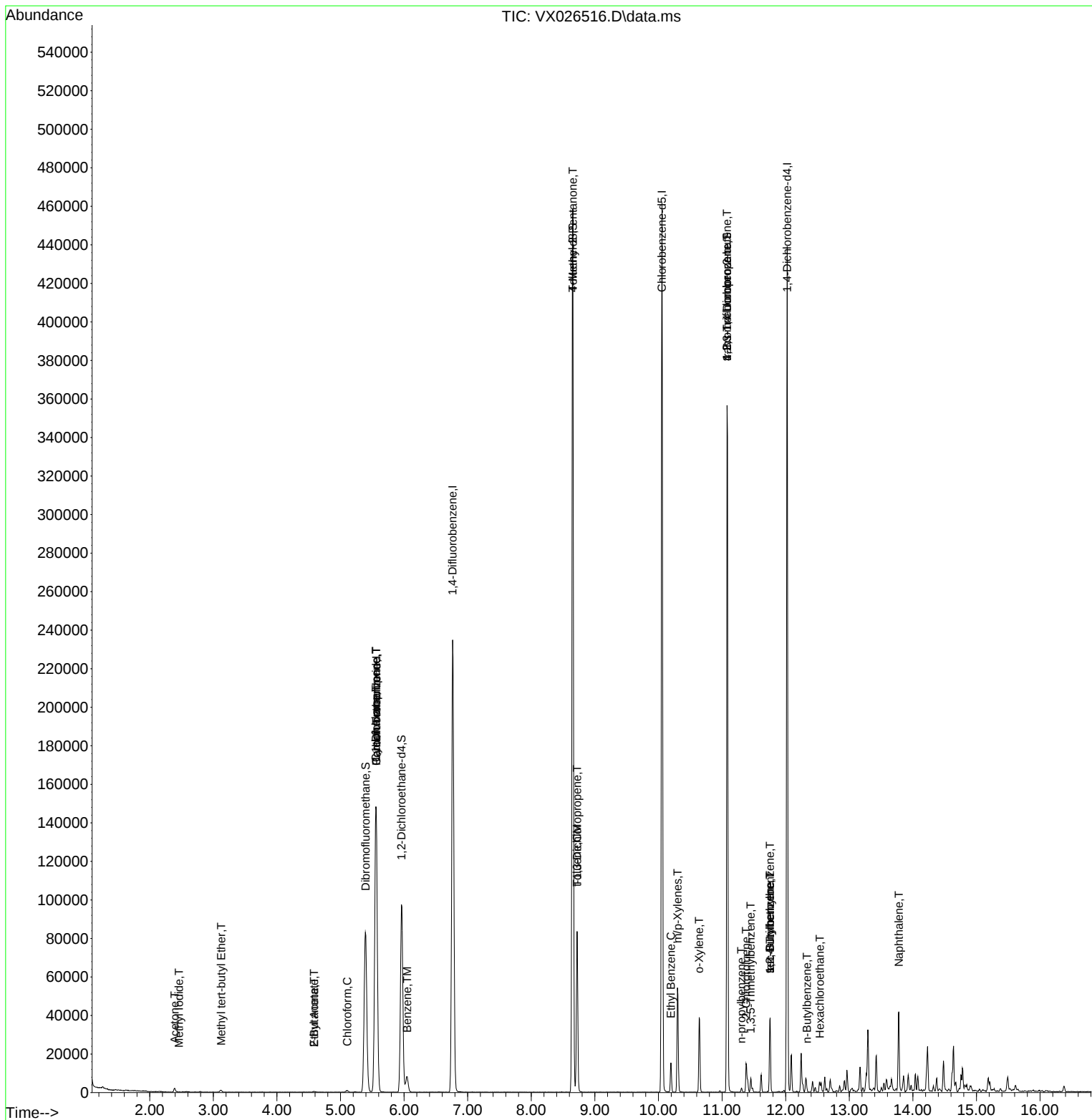
Quant Time: Jan 20 05:05:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

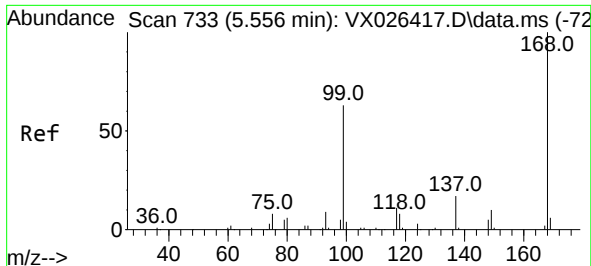
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	140559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	234732	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94672	48.216	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.440%		
35) Dibromofluoromethane	5.397	113	73607	48.559	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.120%		
50) Toluene-d8	8.653	98	271555	49.714	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.420%		
62) 4-Bromofluorobenzene	11.079	95	97619	50.308	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.620%		
Target Compounds					Qvalue	
10) Methyl Iodide	2.459	142	111	4.506	ug/l #	37
16) Acetone	2.392	43	2407	2.404	ug/l #	75
19) Methyl tert-butyl Ether	3.123	73	1324	0.249	ug/l	92
25) 2-Butanone	4.586	43	836	0.642	ug/l	95
30) Chloroform	5.105	83	1161	0.377	ug/l	87
31) Cyclohexane	5.556	56	2939	1.015	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11645	4.866	ug/l #	51
37) Ethyl Acetate	4.586	43	836	0.345	ug/l #	69
38) Carbon Tetrachloride	5.562	117	14898	6.053	ug/l #	16
40) Benzene	6.050	78	9508	1.438	ug/l	95
51) 4-Methyl-2-Pentanone	8.653	43	1172	0.505	ug/l #	1
52) Toluene	8.720	92	31366	7.733	ug/l	97
53) t-1,3-Dichloropropene	8.720	75	379	2.024	ug/l #	1
67) Ethyl Benzene	10.195	91	8713	1.113	ug/l	97
68) m/p-Xylenes	10.299	106	12687	4.331	ug/l	98
69) o-Xylene	10.640	106	8663	3.064	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	49898	26.538	ug/l #	40
78) n-propylbenzene	11.305	91	1689	0.212	ug/l	94
79) 2-Chlorotoluene	11.378	91	1314	0.271	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	3479	0.603	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	49898	80.358	ug/l #	3
83) tert-Butylbenzene	11.756	119	2024	0.376	ug/l #	58
84) 1,2,4-Trimethylbenzene	11.756	105	17490	3.030	ug/l	98
85) sec-Butylbenzene	11.756	105	17490	2.510	ug/l #	56
89) n-Butylbenzene	12.335	91	1321	0.263	ug/l #	33
90) Hexachloroethane	12.536	117	228	2.401	ug/l #	14
95) Naphthalene	13.780	128	25982	4.277	ug/l	100

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

Quant Time: Jan 20 05:05:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 11 14:45:13 2022
Response via : Initial Calibration

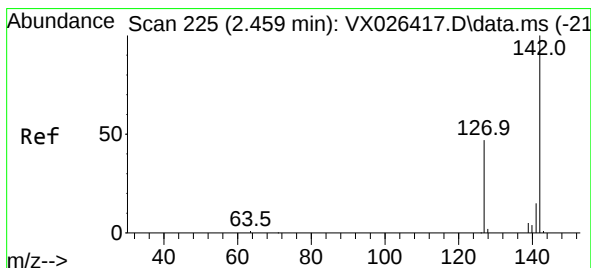
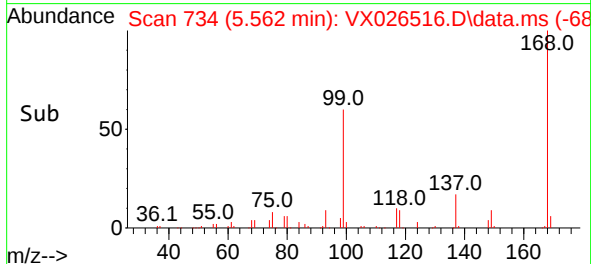
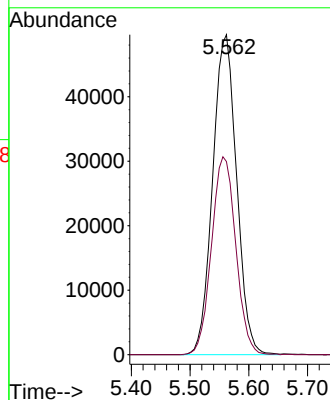
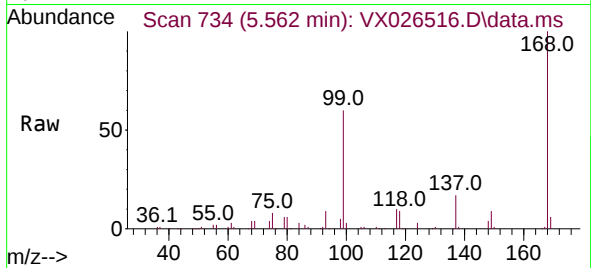




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

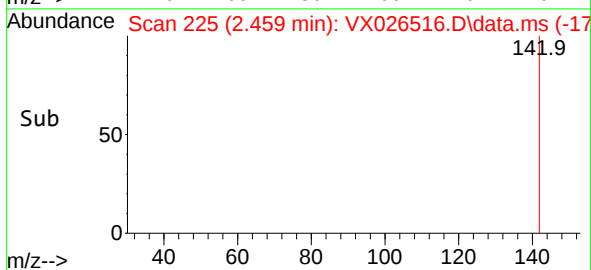
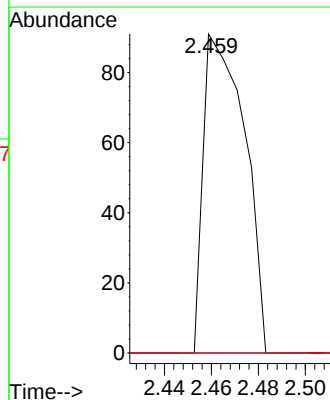
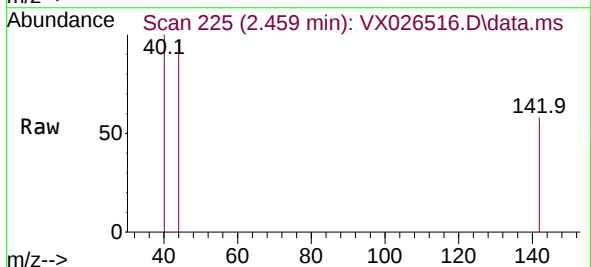
Instrument :
MSVOA_X
ClientSampleId :
20970

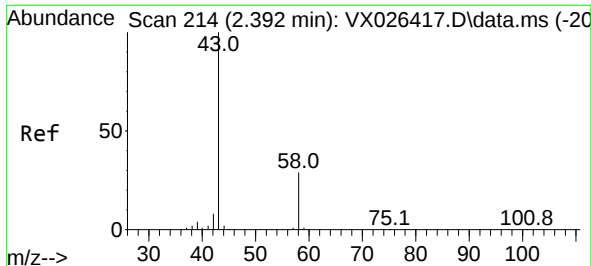
Tgt Ion:168 Resp: 140559
Ion Ratio Lower Upper
168 100
99 60.3 50.3 75.5



#10
Methyl Iodide
Concen: 4.506 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

Tgt Ion:142 Resp: 111
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 0.0 11.2 16.8#

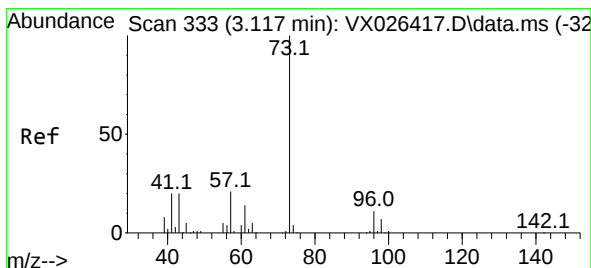
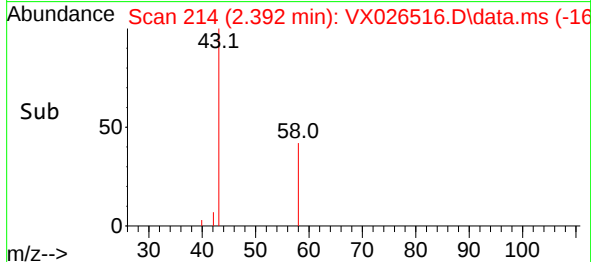
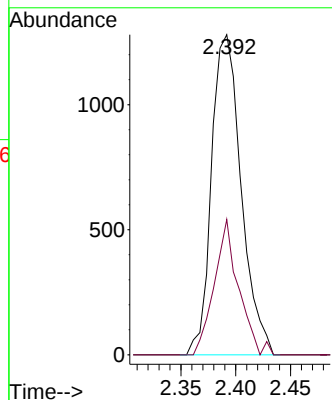
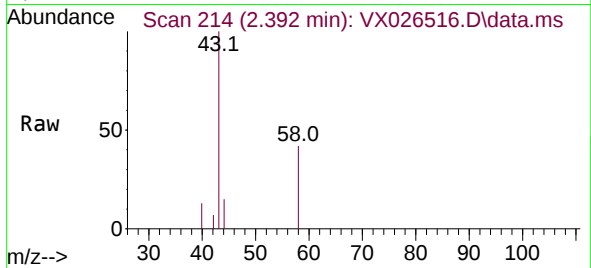




#16
Acetone
Concen: 2.404 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

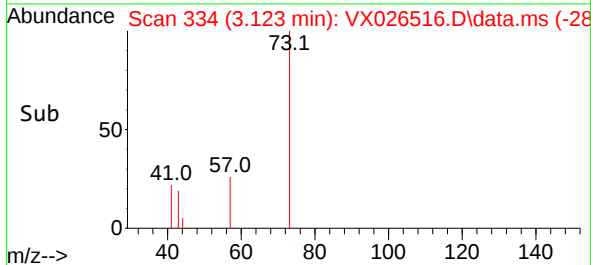
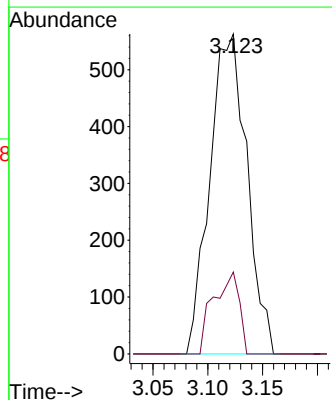
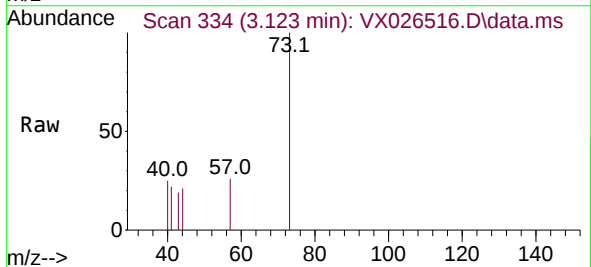
Instrument :
MSVOA_X
ClientSampleId :
20970

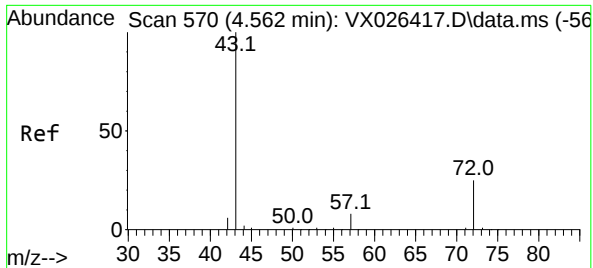
Tgt Ion: 43 Resp: 2407
Ion Ratio Lower Upper
43 100
58 42.3 23.0 34.6#



#19
Methyl tert-butyl Ether
Concen: 0.249 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

Tgt Ion: 73 Resp: 1324
Ion Ratio Lower Upper
73 100
57 25.6 17.4 26.2





#25

2-Butanone

Concen: 0.642 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX026516.D

Acq: 19 Jan 2022 14:01

Instrument :

MSVOA_X

ClientSampleId :

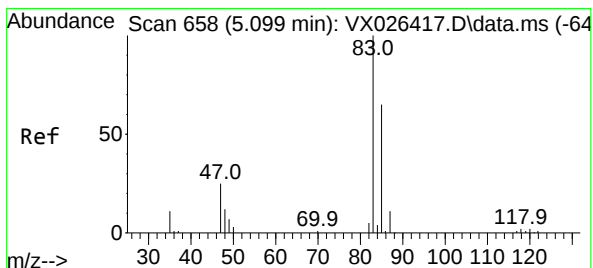
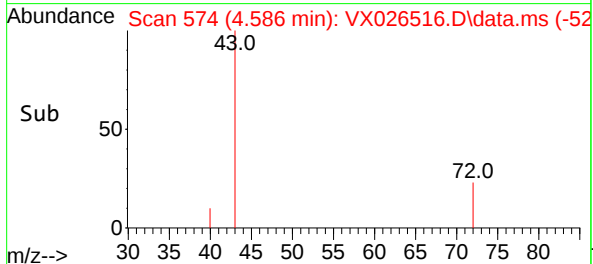
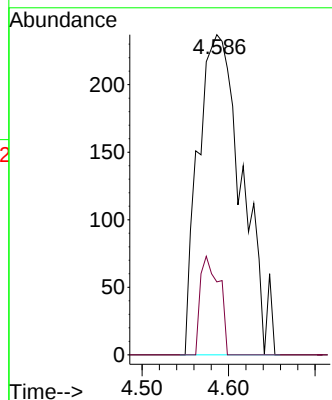
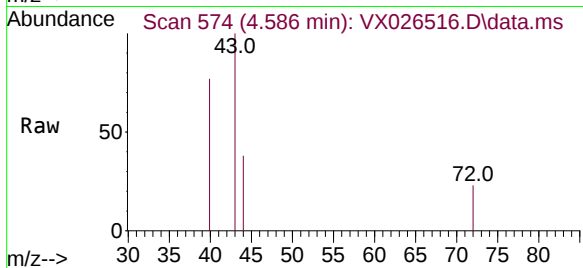
20970

Tgt Ion: 43 Resp: 836

Ion Ratio Lower Upper

43 100

72 22.8 20.4 30.6



#30

Chloroform

Concen: 0.377 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX026516.D

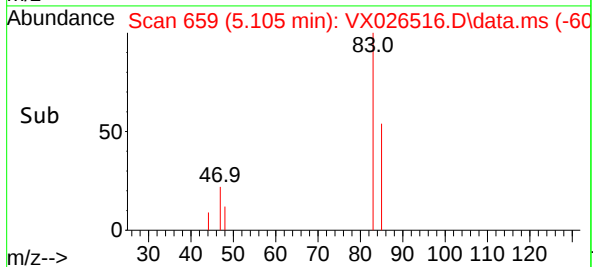
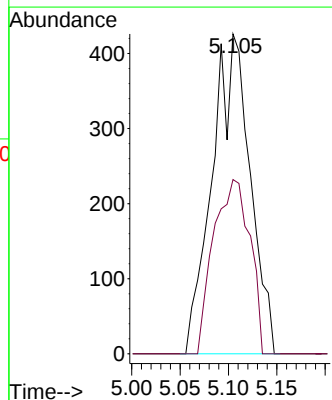
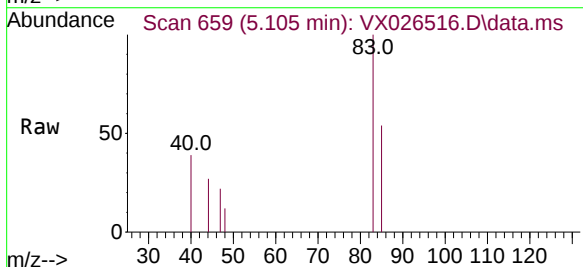
Acq: 19 Jan 2022 14:01

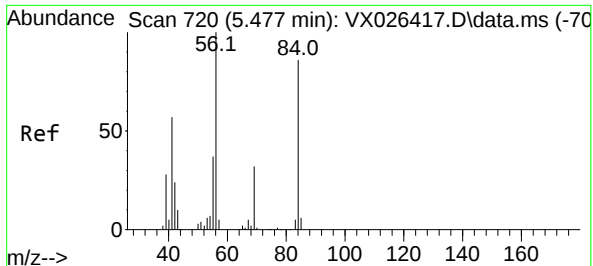
Tgt Ion: 83 Resp: 1161

Ion Ratio Lower Upper

83 100

85 54.5 51.6 77.4

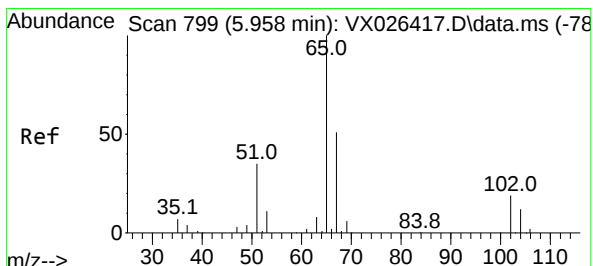
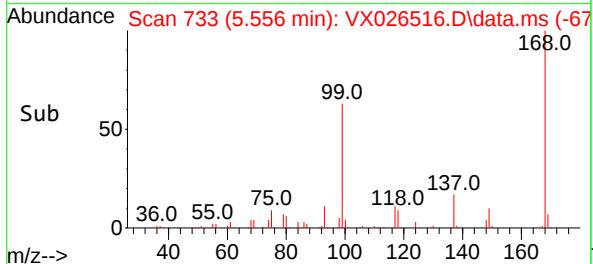
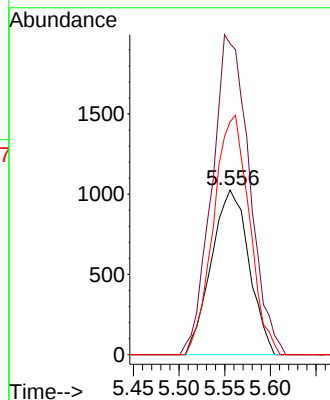
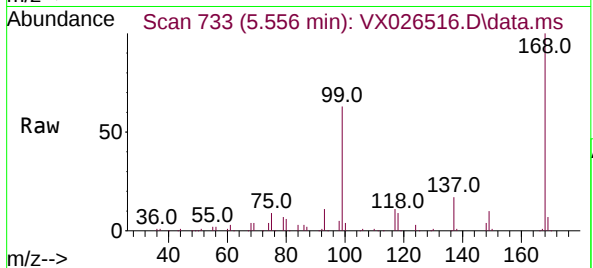




#31
Cyclohexane
Concen: 1.015 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

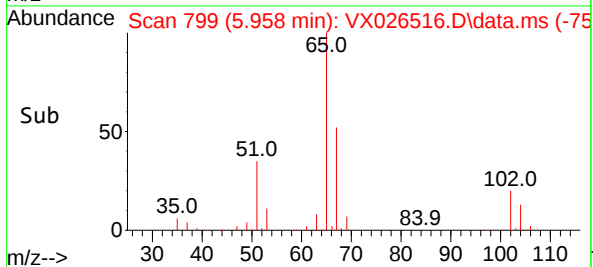
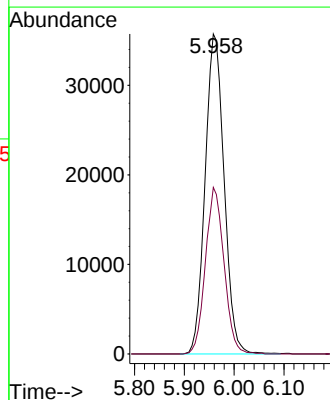
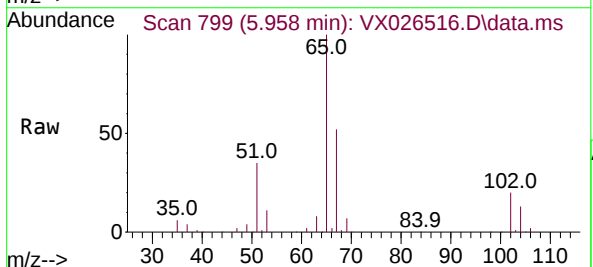
Instrument :
MSVOA_X
ClientSampleId :
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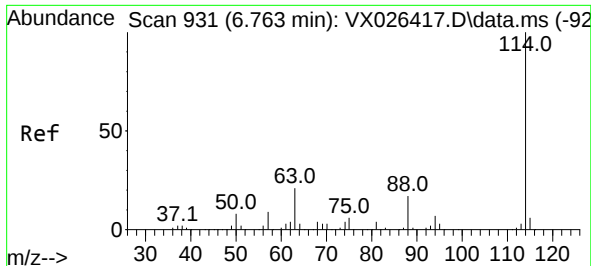
Tgt Ion: 56 Resp: 2939
Ion Ratio Lower Upper
56 100
69 188.9 25.8 38.6#
84 141.5 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 48.216 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

Tgt Ion: 65 Resp: 94672
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.8

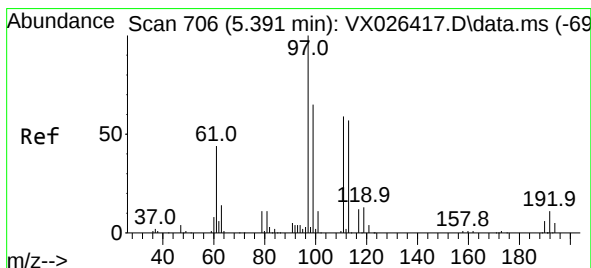
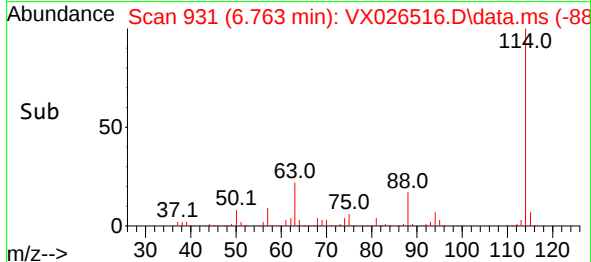
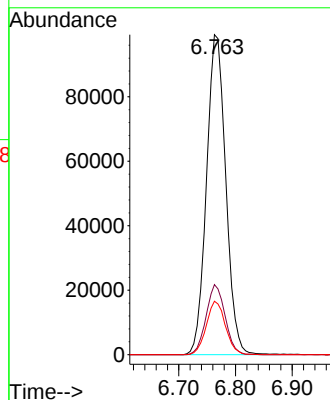
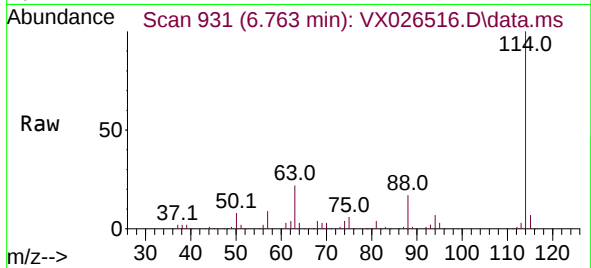




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

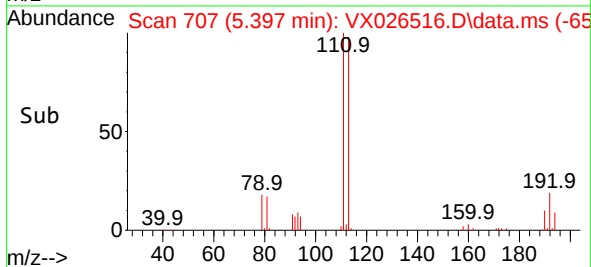
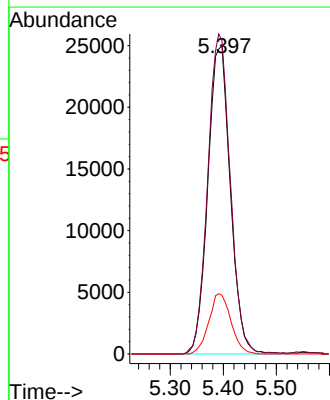
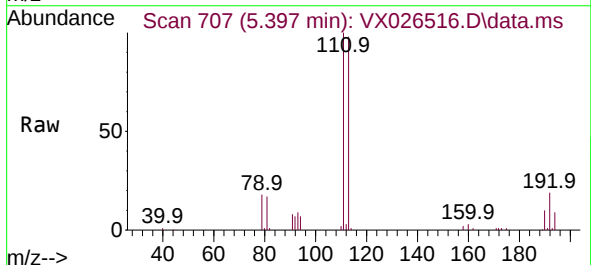
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ClientSampleId :
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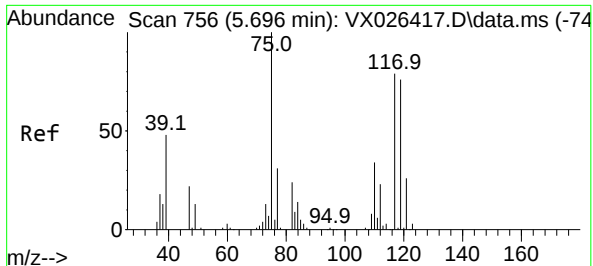
Tgt Ion:114 Resp: 234732
Ion Ratio Lower Upper
114 100
63 21.9 0.0 42.8
88 16.7 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.559 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

Tgt Ion:113 Resp: 73607
Ion Ratio Lower Upper
113 100
111 103.9 81.2 121.8
192 19.2 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.866 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX026516.D

Acq: 19 Jan 2022 14:01

Instrument :

MSVOA_X

ClientSampleId :

20970

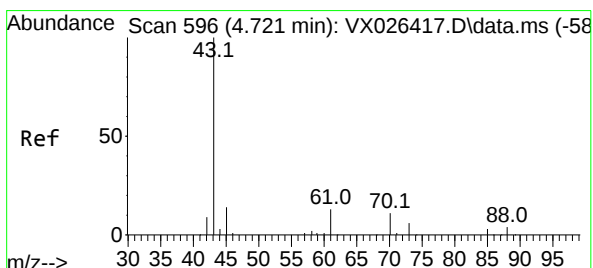
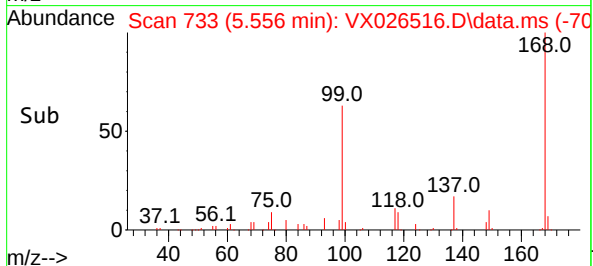
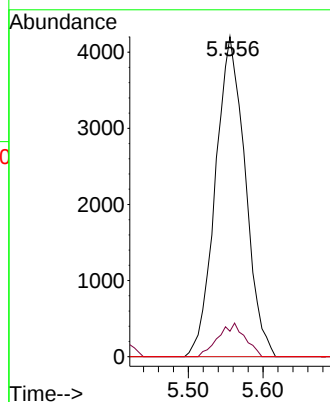
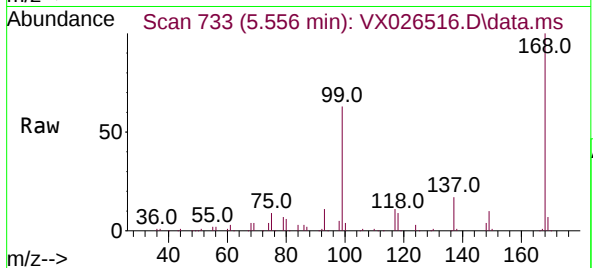
Tgt Ion: 75 Resp: 11645

Ion Ratio Lower Upper

75 100

110 9.5 17.2 51.6#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 0.345 ug/l

RT: 4.586 min Scan# 574

Delta R.T. -0.134 min

Lab File: VX026516.D

Acq: 19 Jan 2022 14:01

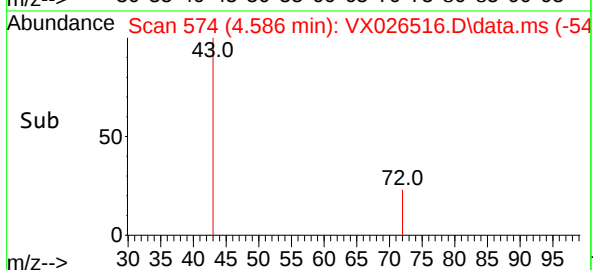
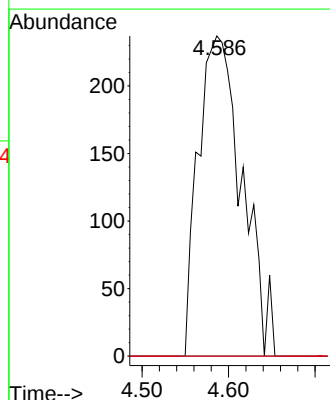
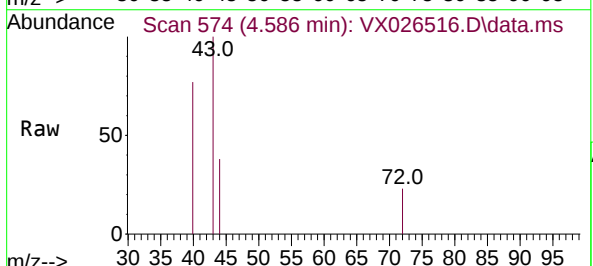
Tgt Ion: 43 Resp: 836

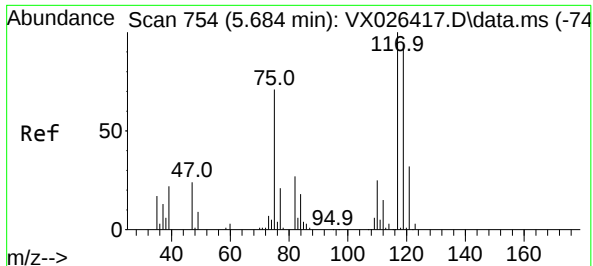
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.5 12.7#

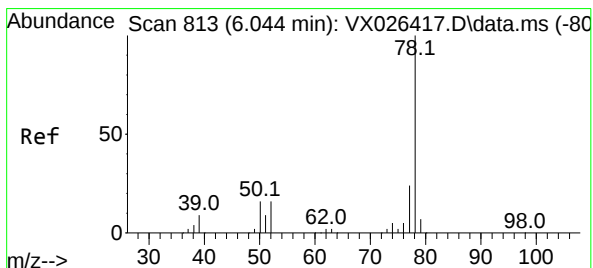
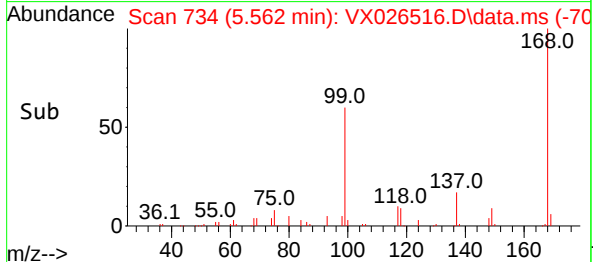
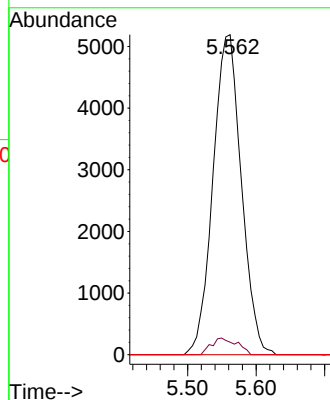
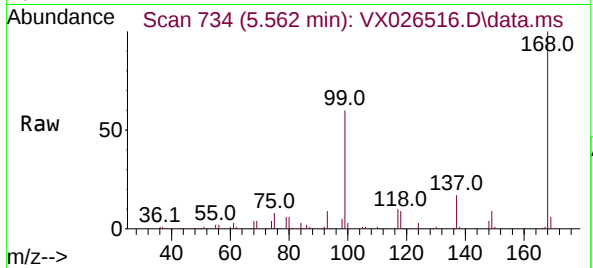




#38
Carbon Tetrachloride
Concen: 6.053 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

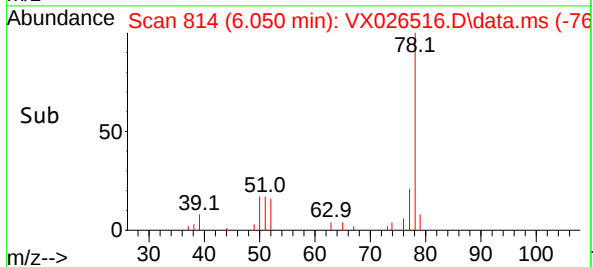
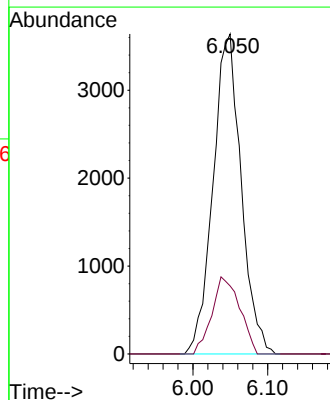
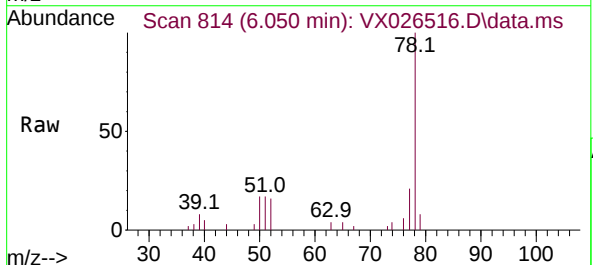
Instrument :
MSVOA_X
ClientSampleId :
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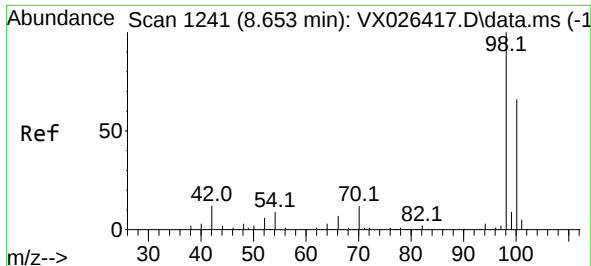
Tgt Ion:117 Resp: 14898
Ion Ratio Lower Upper
117 100
119 3.9 74.7 112.1#
121 0.0 25.4 38.0#



#40
Benzene
Concen: 1.438 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

Tgt Ion: 78 Resp: 9508
Ion Ratio Lower Upper
78 100
77 21.2 18.9 28.3





#50

Toluene-d8

Concen: 49.714 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026516.D

Acq: 19 Jan 2022 14:01

Instrument :

MSVOA_X

ClientSampleId :

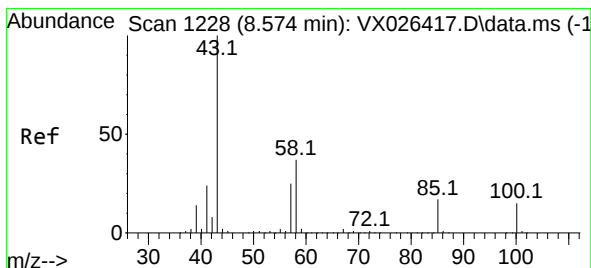
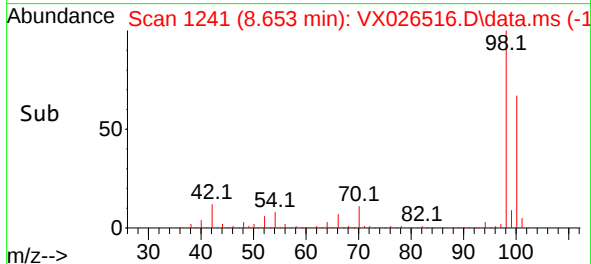
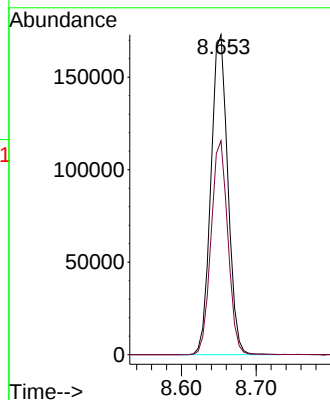
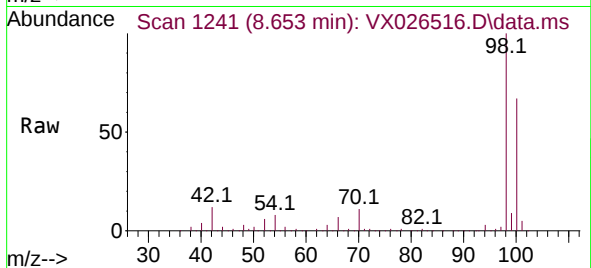
20970

Tgt Ion: 98 Resp: 271555

Ion Ratio Lower Upper

98 100

100 66.5 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 0.505 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX026516.D

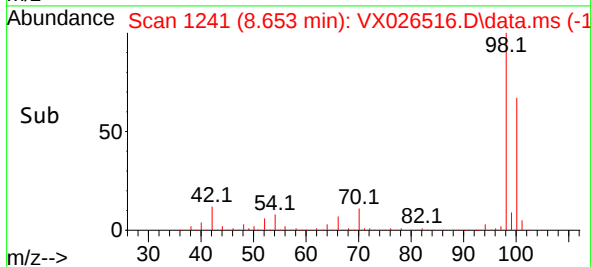
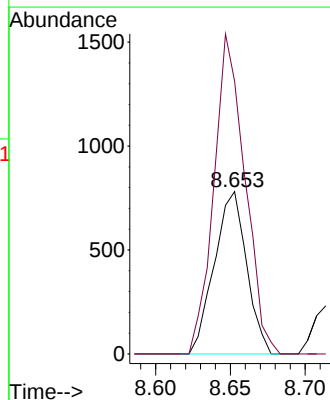
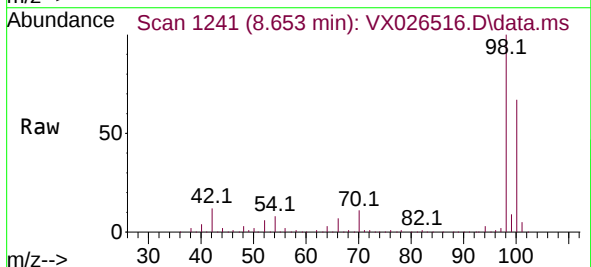
Acq: 19 Jan 2022 14:01

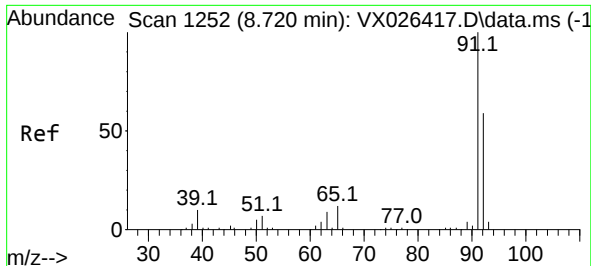
Tgt Ion: 43 Resp: 1172

Ion Ratio Lower Upper

43 100

58 189.3 30.5 45.7#

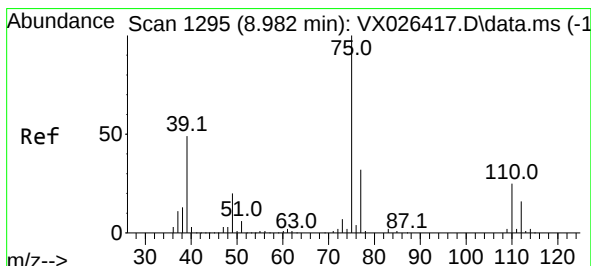
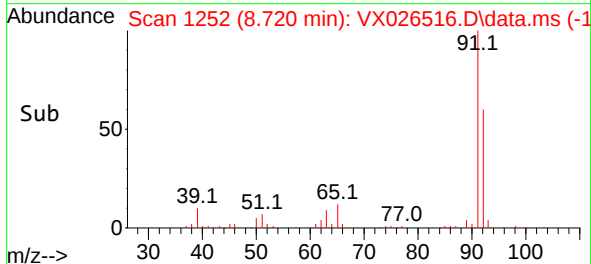
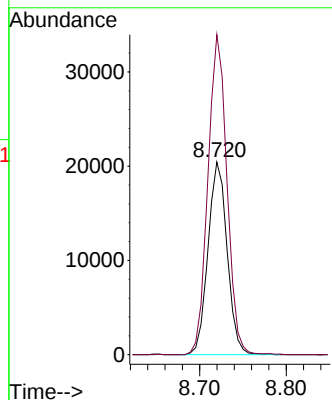
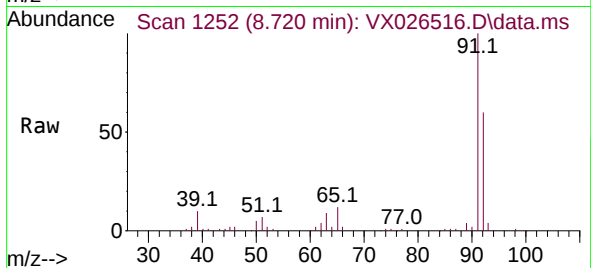




#52
Toluene
Concen: 7.733 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

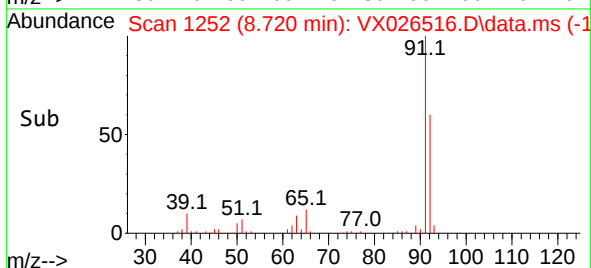
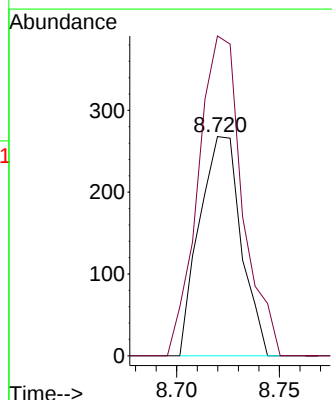
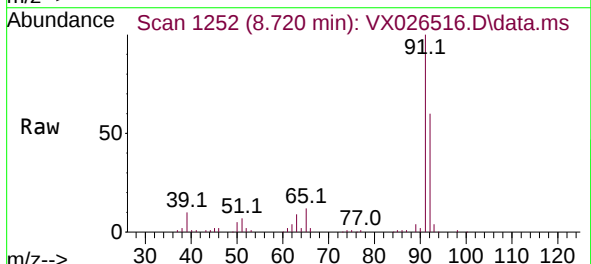
Instrument :
MSVOA_X
ClientSampleId :
20970

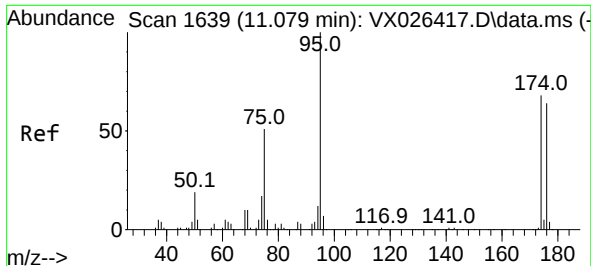
Tgt Ion: 92 Resp: 31366
Ion Ratio Lower Upper
92 100
91 165.2 135.7 203.5



#53
t-1,3-Dichloropropene
Concen: 2.024 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.262 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

Tgt Ion: 75 Resp: 379
Ion Ratio Lower Upper
75 100
77 145.9 25.7 38.5#

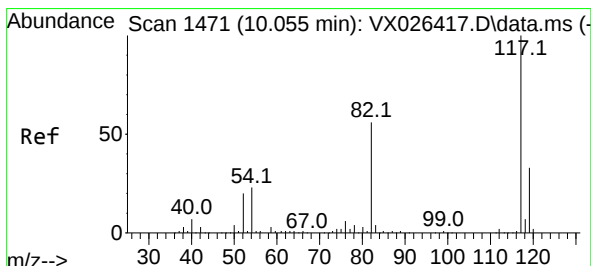
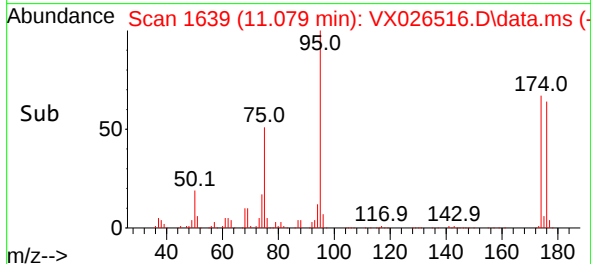
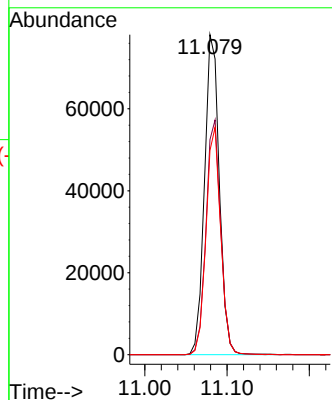
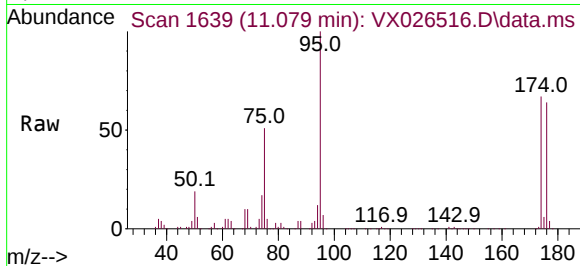




#62
4-Bromofluorobenzene
Concen: 50.308 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

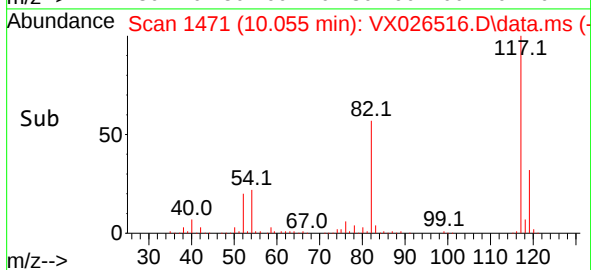
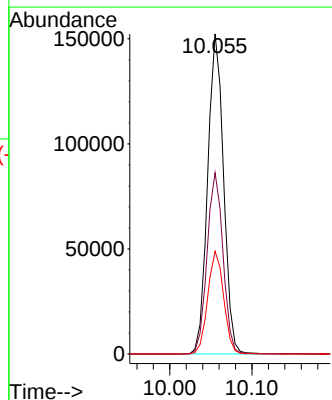
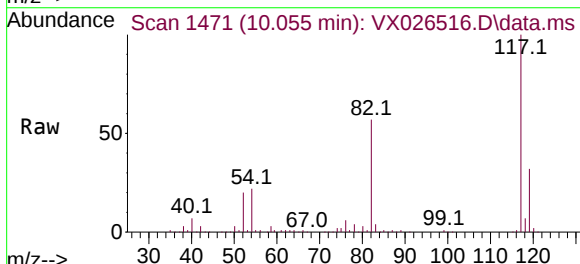
Instrument :
MSVOA_X
ClientSampleId :
20970

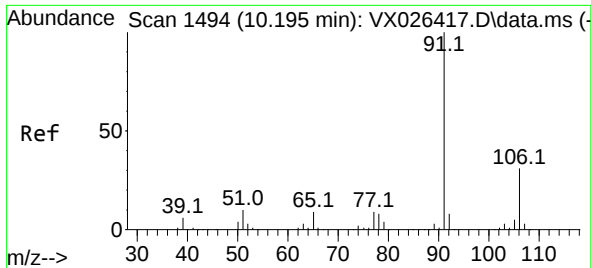
Tgt Ion: 95 Resp: 97619
Ion Ratio Lower Upper
95 100
174 72.8 0.0 148.6
176 70.2 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

Tgt Ion: 117 Resp: 204570
Ion Ratio Lower Upper
117 100
82 56.7 45.2 67.8
119 32.1 26.2 39.2

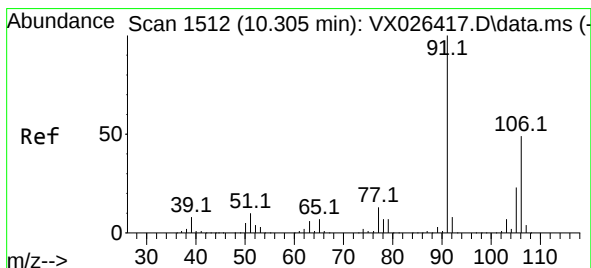
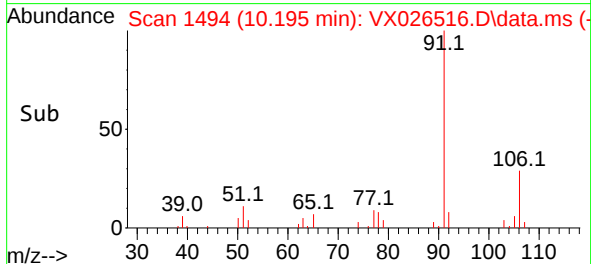
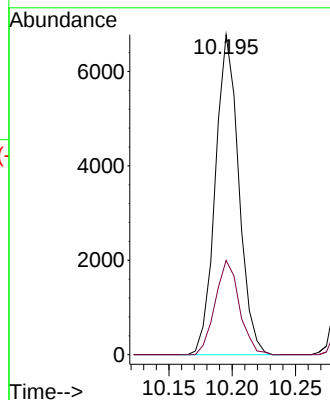
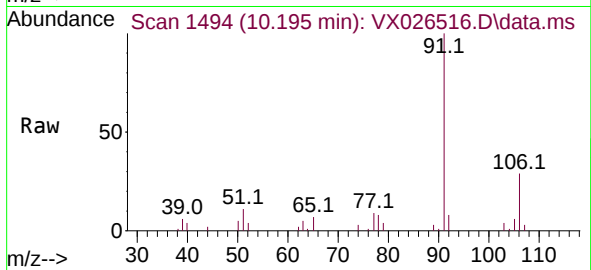




#67
Ethyl Benzene
Concen: 1.113 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

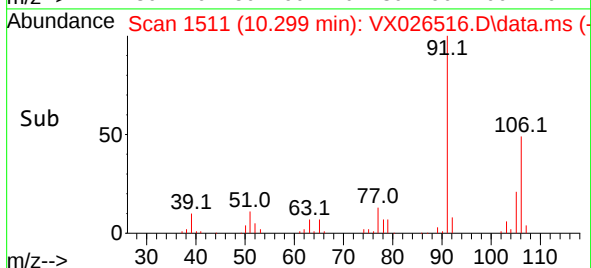
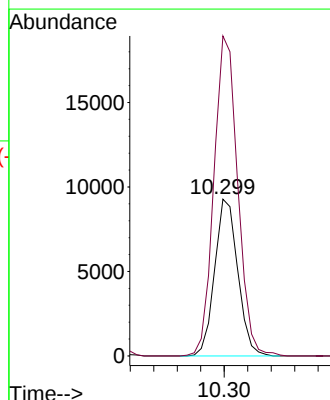
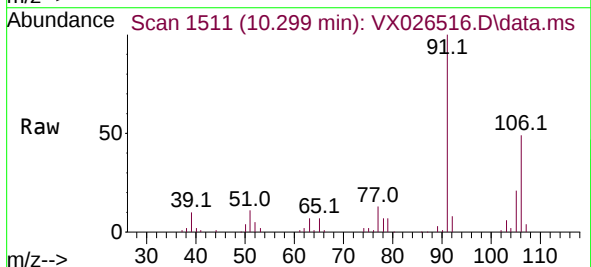
Instrument :
MSVOA_X
ClientSampleId :
20970

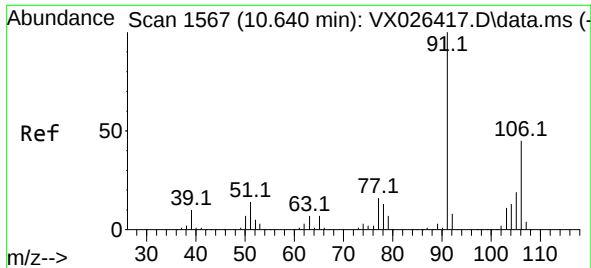
Tgt Ion: 91 Resp: 8713
Ion Ratio Lower Upper
91 100
106 29.5 24.7 37.1



#68
m/p-Xylenes
Concen: 4.331 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

Tgt Ion: 106 Resp: 12687
Ion Ratio Lower Upper
106 100
91 210.2 165.3 247.9

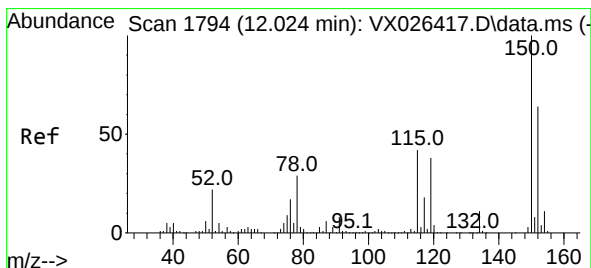
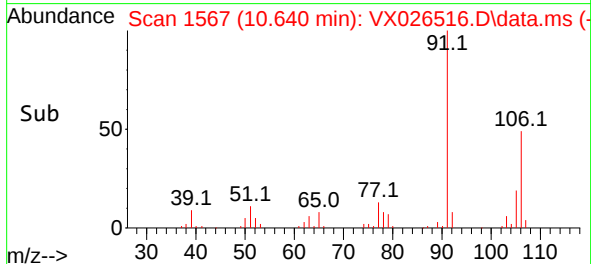
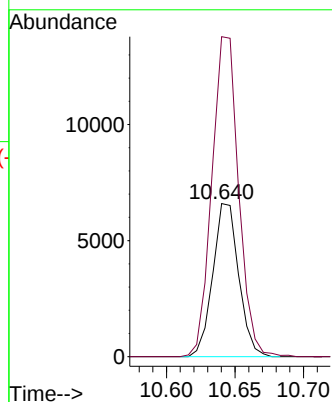
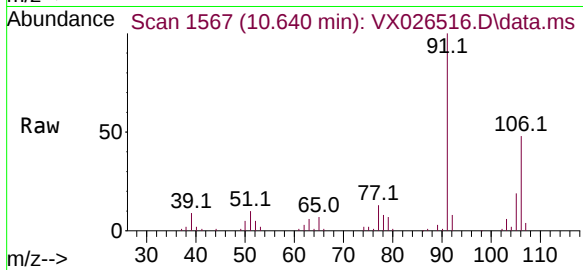




#69
o-Xylene
Concen: 3.064 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

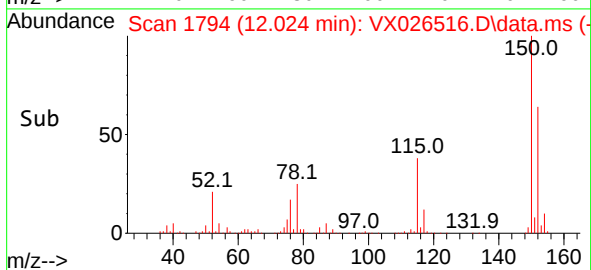
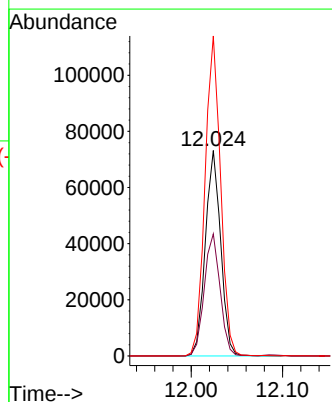
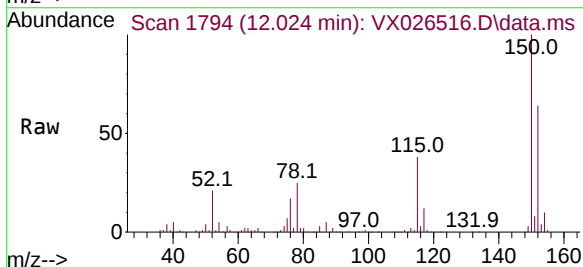
Instrument :
MSVOA_X
ClientSampleId :
20970

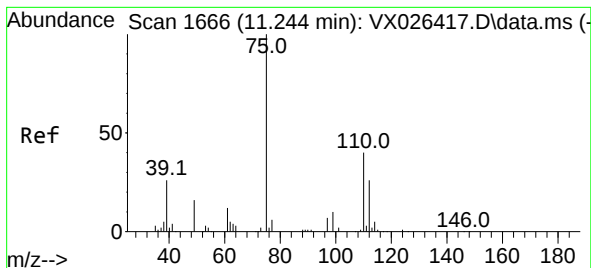
Tgt Ion:106 Resp: 8663
Ion Ratio Lower Upper
106 100
91 216.2 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

Tgt Ion:152 Resp: 85398
Ion Ratio Lower Upper
152 100
115 61.4 44.2 132.6
150 157.4 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 26.538 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX026516.D

Acq: 19 Jan 2022 14:01

Instrument :

MSVOA_X

ClientSampleId :

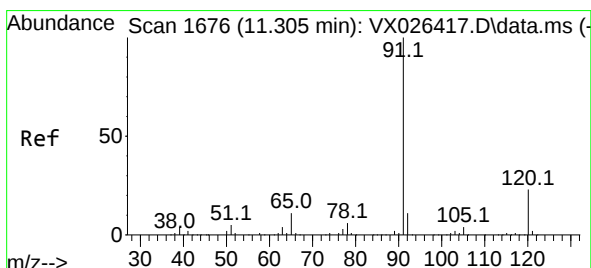
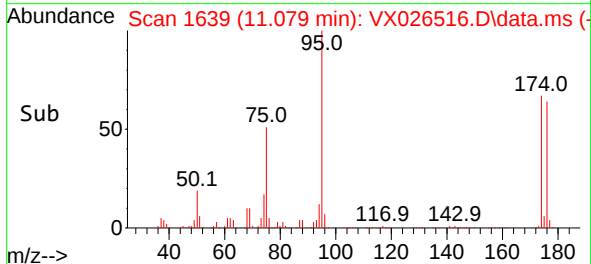
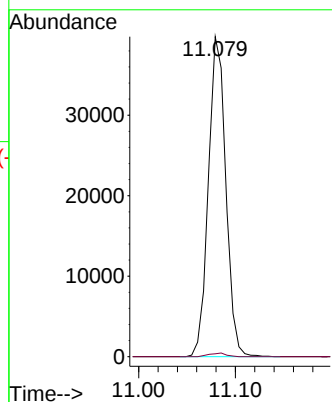
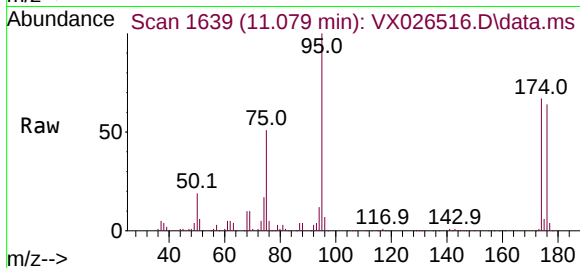
20970

Tgt Ion: 75 Resp: 49898

Ion Ratio Lower Upper

75 100

77 1.1 18.3 54.8#



#78

n-propylbenzene

Concen: 0.212 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX026516.D

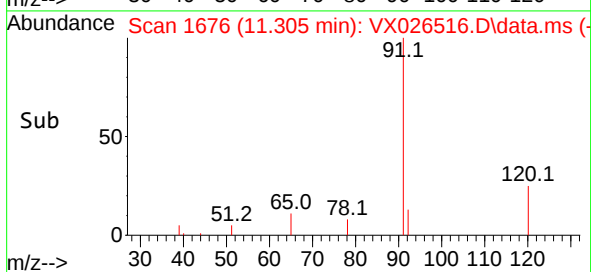
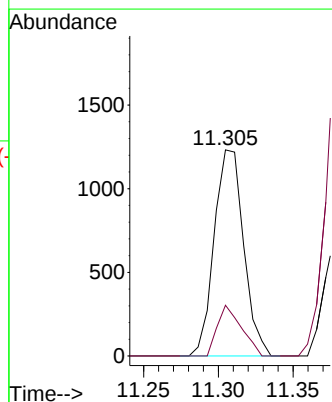
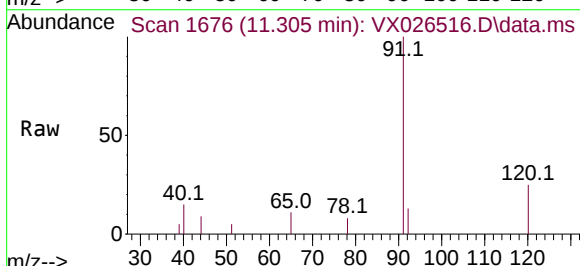
Acq: 19 Jan 2022 14:01

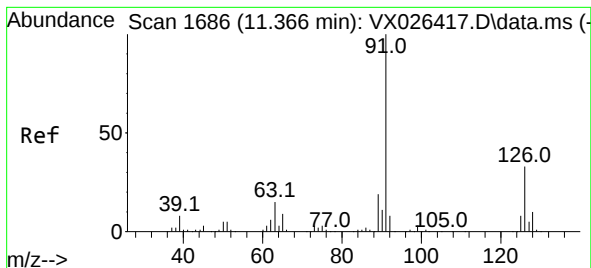
Tgt Ion: 91 Resp: 1689

Ion Ratio Lower Upper

91 100

120 20.1 11.6 34.7





#79

2-Chlorotoluene

Concen: 0.271 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX026516.D

Acq: 19 Jan 2022 14:01

Instrument :

MSVOA_X

ClientSampleId :

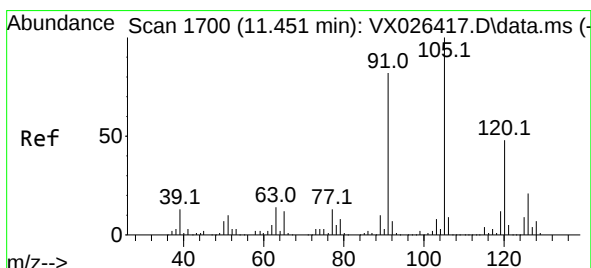
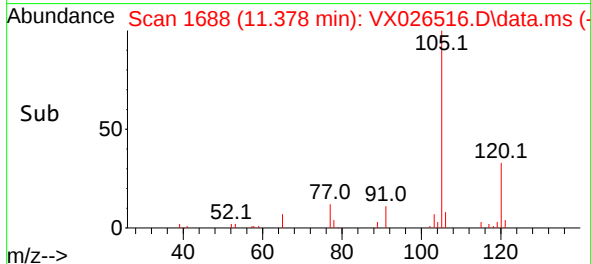
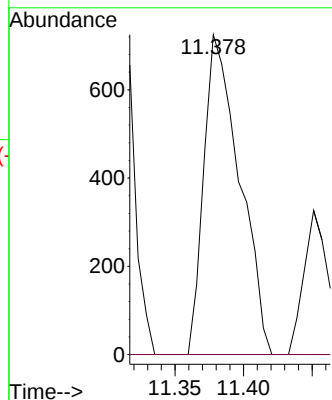
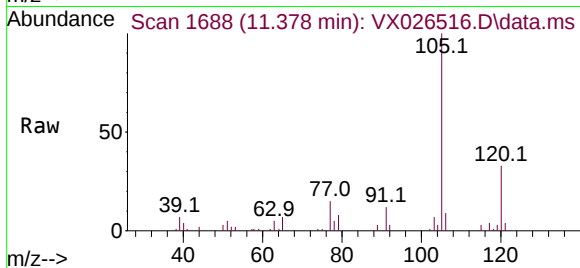
20970

Tgt Ion: 91 Resp: 1314

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.603 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX026516.D

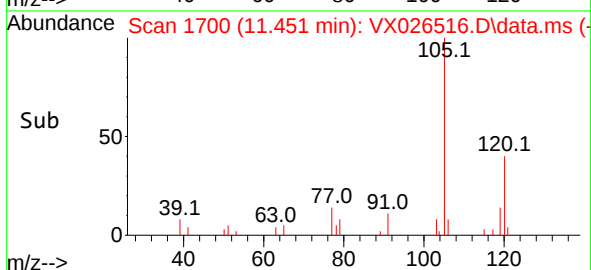
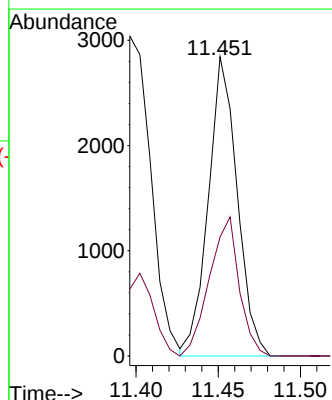
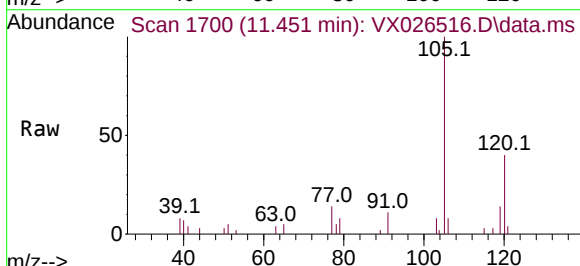
Acq: 19 Jan 2022 14:01

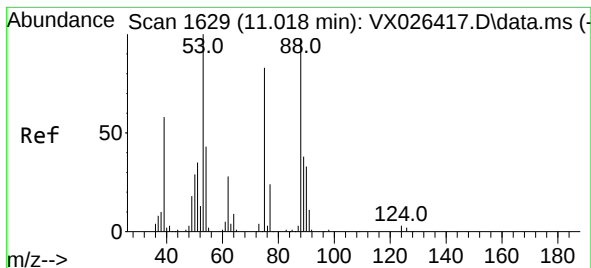
Tgt Ion: 105 Resp: 3479

Ion Ratio Lower Upper

105 100

120 47.8 24.0 72.0

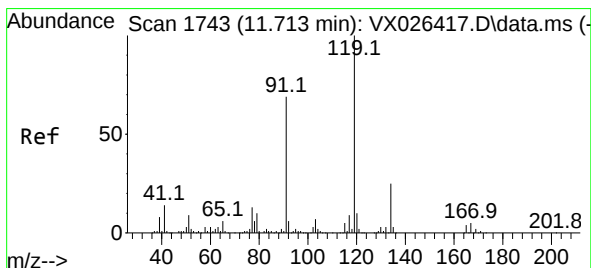
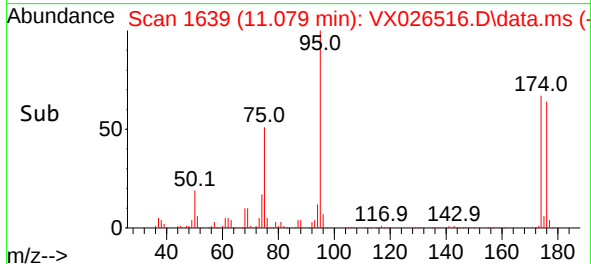
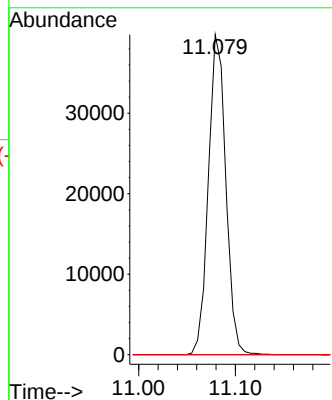
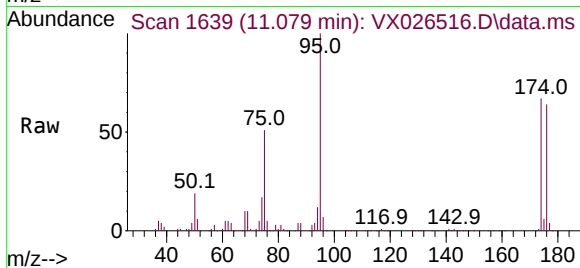




#81
trans-1,4-Dichloro-2-butene
Concen: 80.358 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

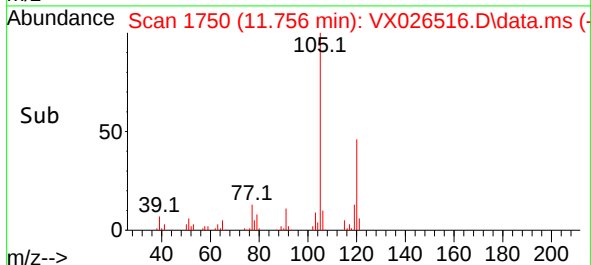
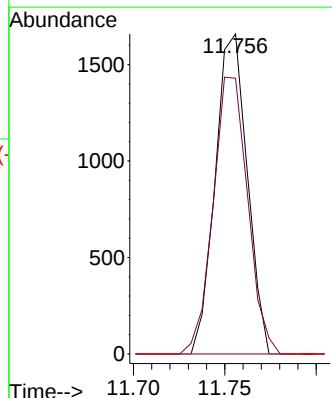
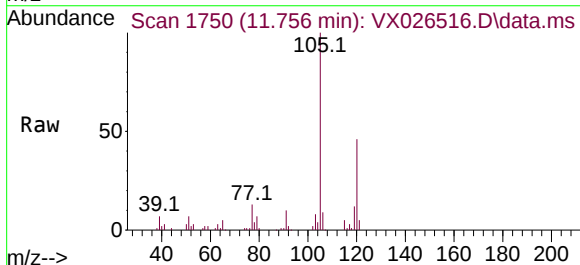
Instrument :
MSVOA_X
ClientSampleId :
20970

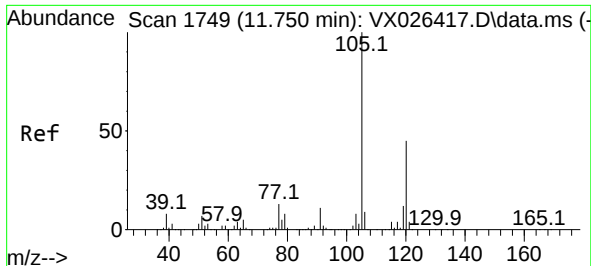
Tgt Ion: 75 Resp: 49898
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#83
tert-Butylbenzene
Concen: 0.376 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.043 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

Tgt Ion: 119 Resp: 2024
Ion Ratio Lower Upper
119 100
91 93.3 31.4 94.0
134 0.0 11.8 35.3#

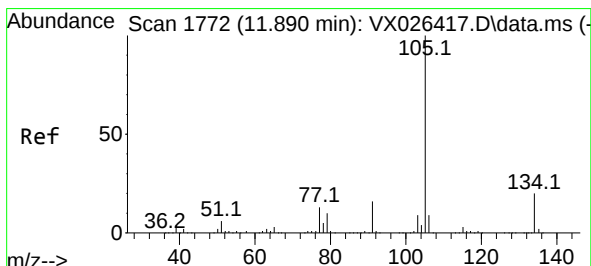
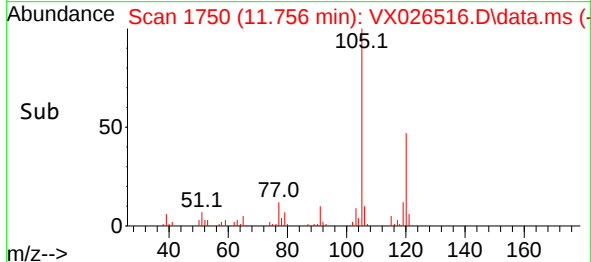
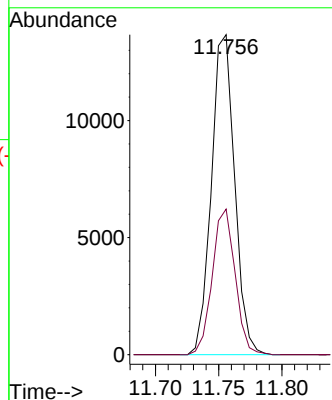
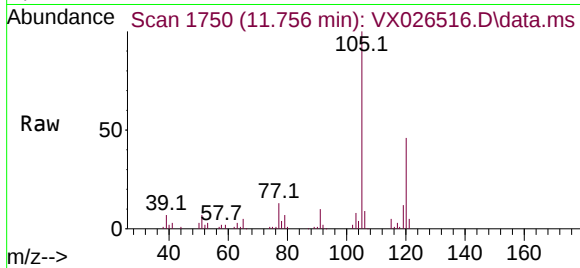




#84
1,2,4-Trimethylbenzene
Concen: 3.030 ug/l
RT: 11.756 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

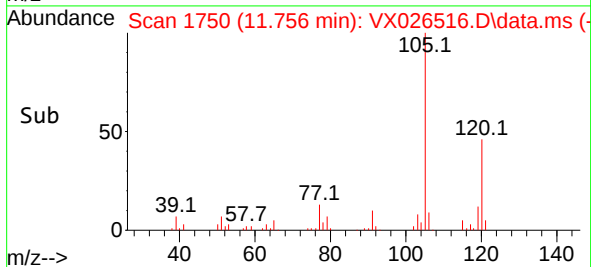
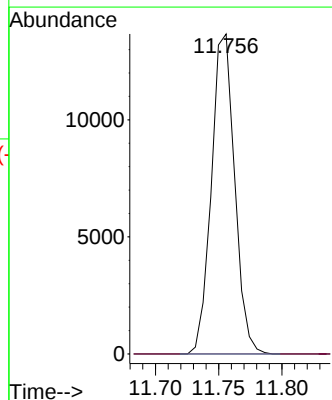
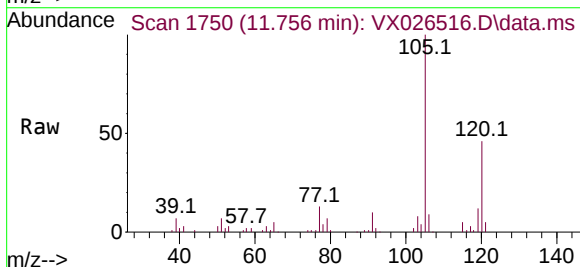
Instrument :
MSVOA_X
ClientSampleId :
20970

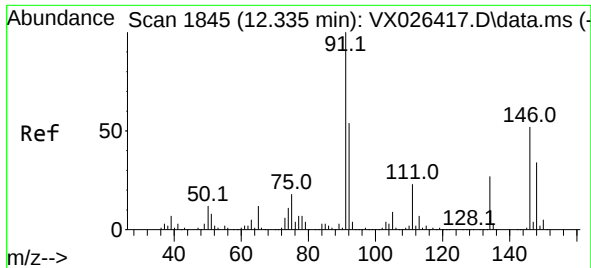
Tgt Ion:105 Resp: 17490
Ion Ratio Lower Upper
105 100
120 44.7 21.9 65.5



#85
sec-Butylbenzene
Concen: 2.510 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

Tgt Ion:105 Resp: 17490
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#

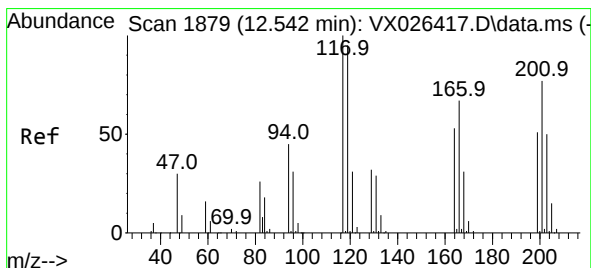
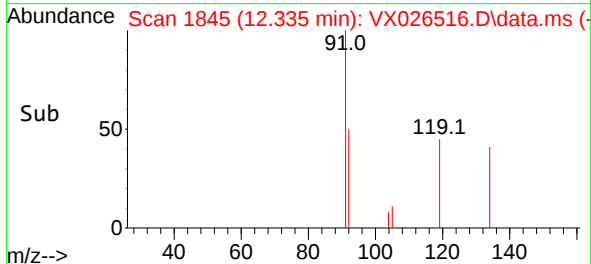
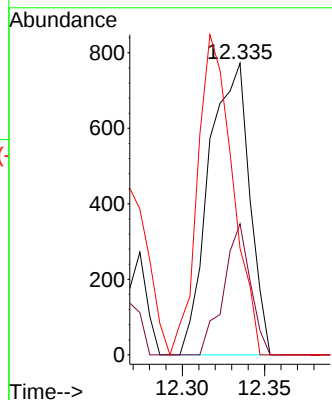
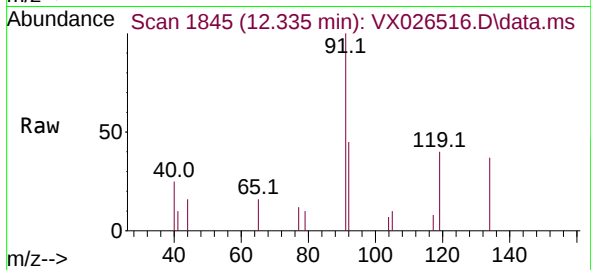




#89
n-Butylbenzene
Concen: 0.263 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

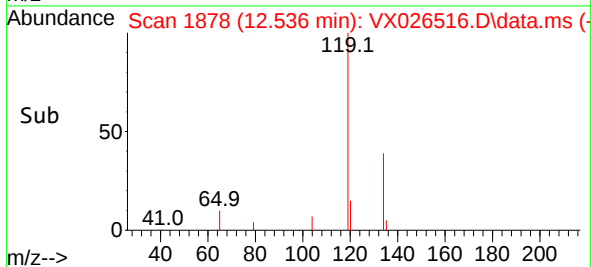
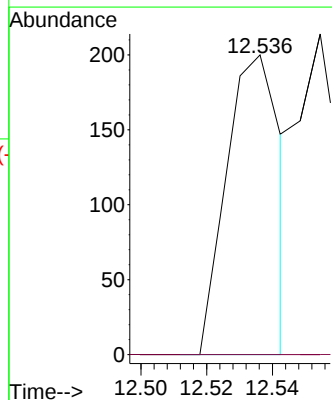
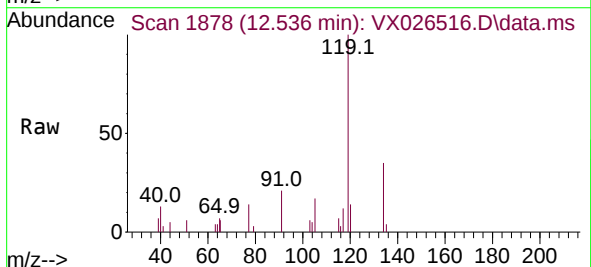
Instrument :
MSVOA_X
ClientSampleId :
20970

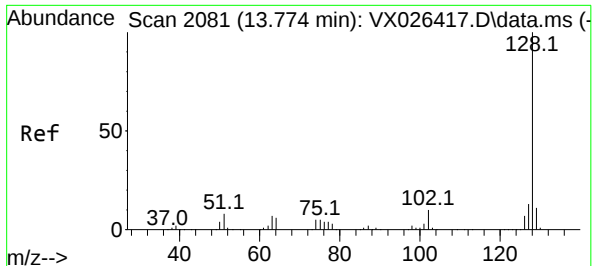
Tgt Ion: 91 Resp: 1321
Ion Ratio Lower Upper
91 100
92 29.8 27.2 81.6
134 94.7 13.1 39.1#



#90
Hexachloroethane
Concen: 2.401 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.006 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

Tgt Ion: 117 Resp: 228
Ion Ratio Lower Upper
117 100
201 0.0 35.6 106.8#





#95
Naphthalene
Concen: 4.277 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX026516.D
Acq: 19 Jan 2022 14:01

Instrument :
MSVOA_X
ClientSampleId :
20970

Tgt Ion:128 Resp: 25982
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.1 8.7 13.1

