

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031122\
 Data File : VX027408.D
 Acq On : 11 Mar 2022 17:40
 Operator : JC/MD
 Sample : N1895-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB030922

Quant Time: Mar 11 23:14:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

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

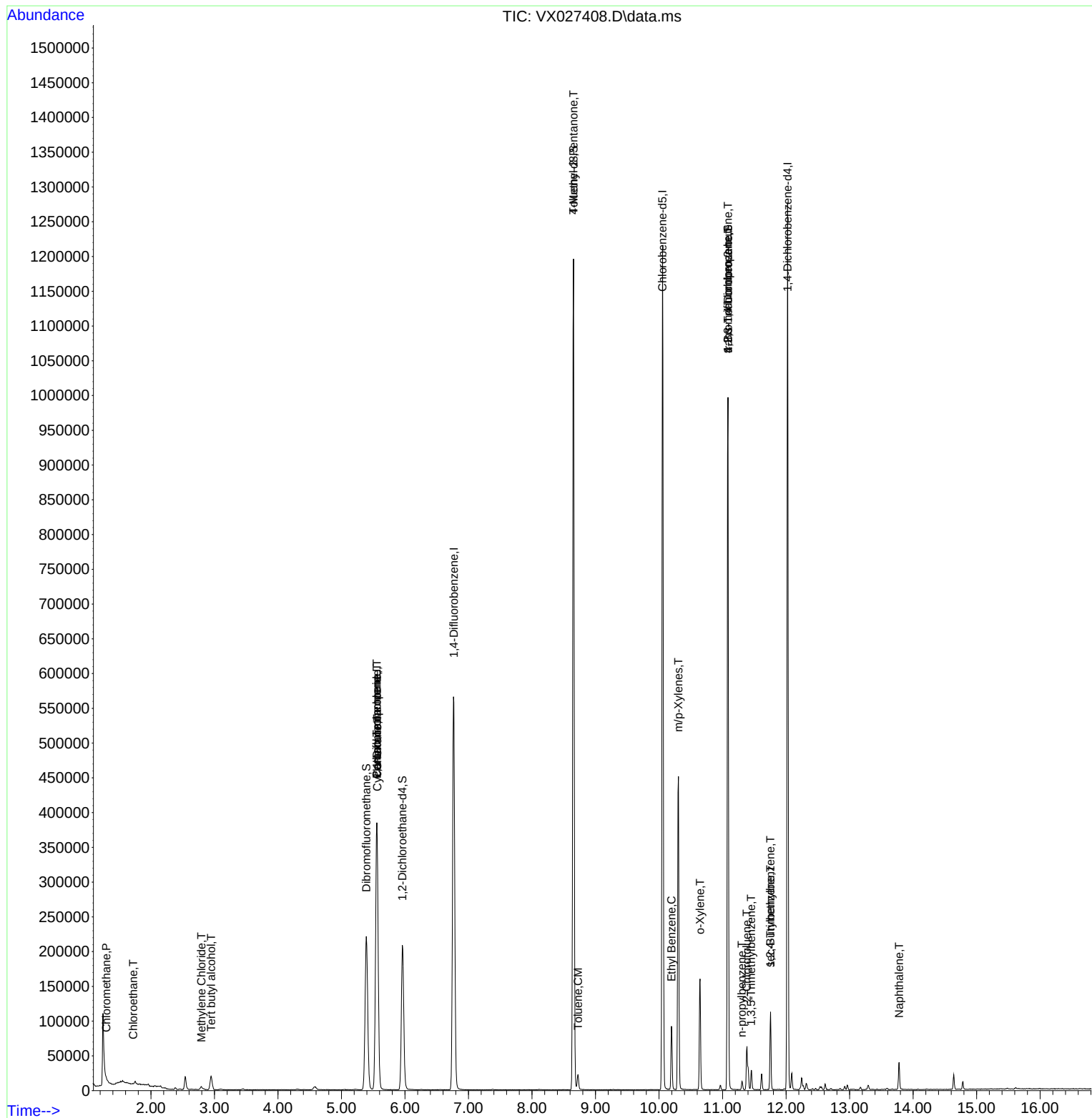
Internal Standards						
1) Pentafluorobenzene	5.556	168	403861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	640463	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	595724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	279687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	198630	42.175	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.360%		
35) Dibromofluoromethane	5.391	113	198182	47.955	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.920%		
50) Toluene-d8	8.653	98	749081	48.012	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.020%		
62) 4-Bromofluorobenzene	11.085	95	275237	46.287	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.580%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	894	0.205	ug/l	95
5) Bromomethane	1.611	94	582	Below Cal	#	69
6) Chloroethane	1.721	64	582	0.655	ug/l #	72
11) Tert butyl alcohol	2.946	59	11440	12.391	ug/l #	78
16) Acetone	2.380	43	2424	Below Cal		98
20) Methylene Chloride	2.794	84	2130	0.463	ug/l	95
31) Cyclohexane	5.562	56	6163	0.936	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	24651	4.296	ug/l #	50
38) Carbon Tetrachloride	5.556	117	36531	6.157	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	2341	0.384	ug/l #	1
52) Toluene	8.726	92	8982	0.806	ug/l	95
67) Ethyl Benzene	10.195	91	54282	2.511	ug/l	100
68) m/p-Xylenes	10.305	106	114964	13.560	ug/l	97
69) o-Xylene	10.646	106	38687	4.622	ug/l	99
76) 1,2,3-Trichloropropane	11.085	75	124445	20.280	ug/l #	38
78) n-propylbenzene	11.305	91	8603	0.374	ug/l	99
79) 2-Chlorotoluene	11.384	91	5733	0.399	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	13508	0.770	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.085	75	124445	65.587	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	49558	2.849	ug/l	96
85) sec-Butylbenzene	11.756	105	49558	2.344	ug/l #	56
95) Naphthalene	13.780	128	27729	1.316	ug/l	100

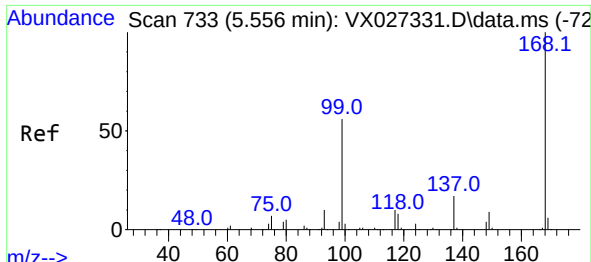
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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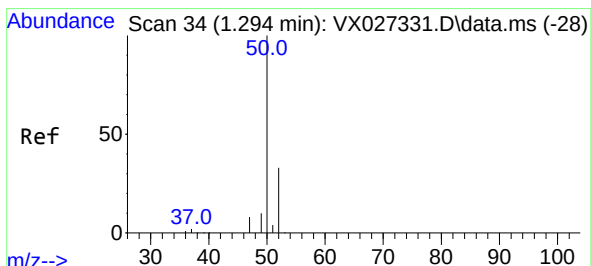
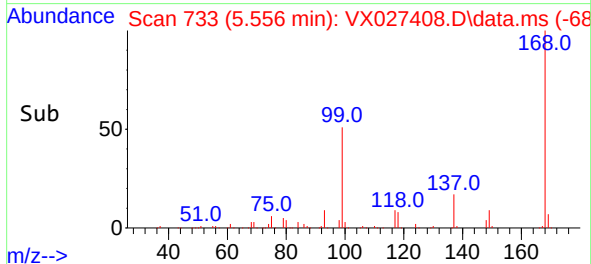
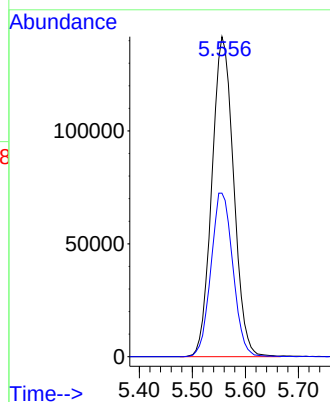
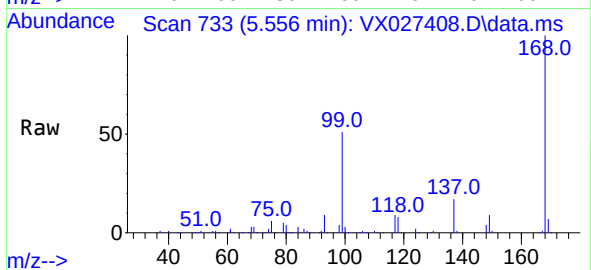




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

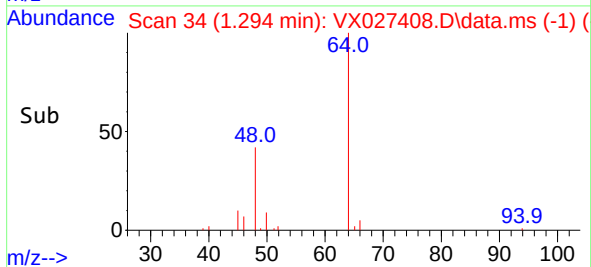
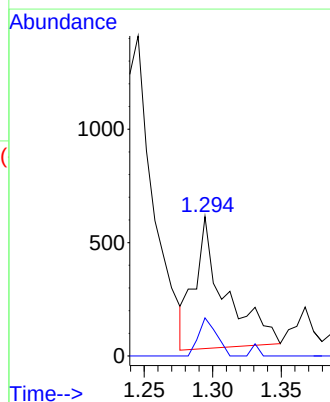
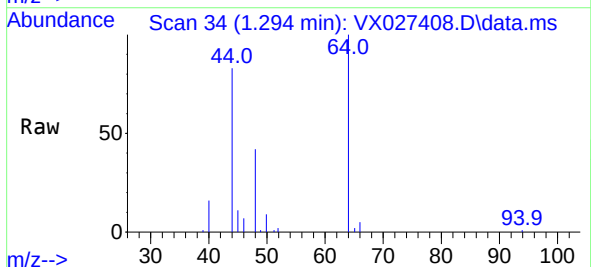
Instrument :
MSVOA_X
ClientSampleId :
FB030922

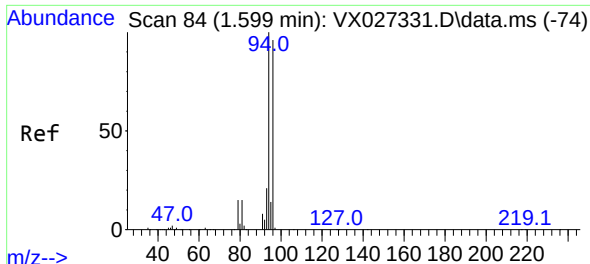
Tgt Ion:168 Resp: 403861
Ion Ratio Lower Upper
168 100
99 51.1 41.7 62.5



#3
Chloromethane
Concen: 0.205 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

Tgt Ion: 50 Resp: 894
Ion Ratio Lower Upper
50 100
52 30.0 26.4 39.6

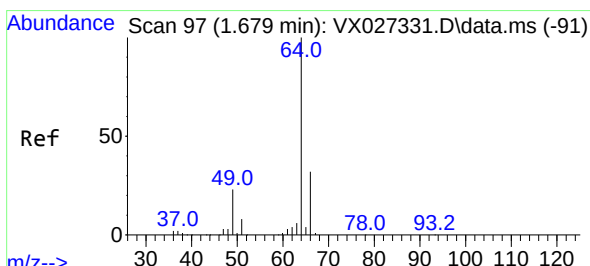
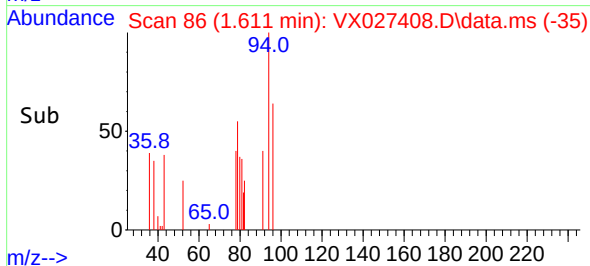
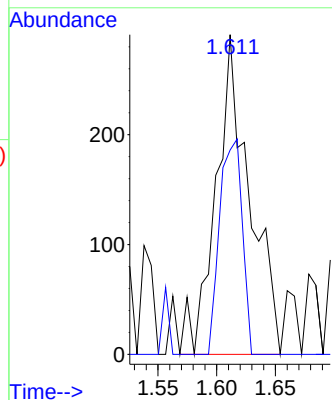
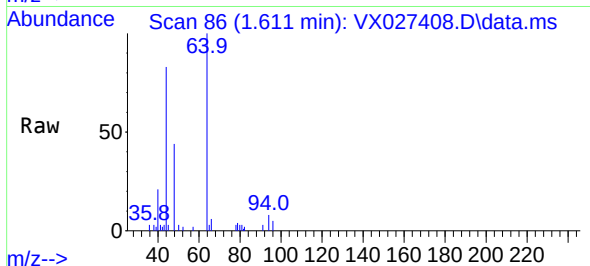




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

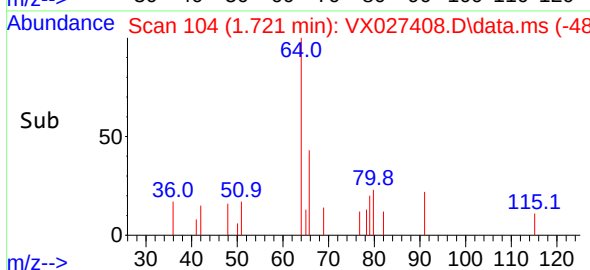
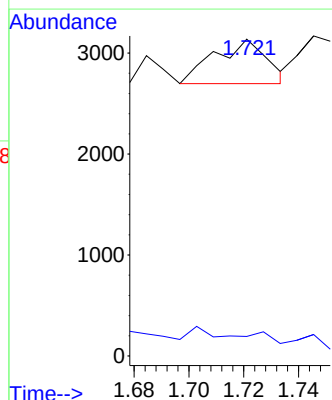
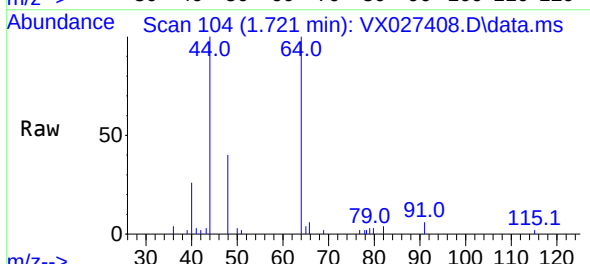
Instrument :
MSVOA_X
ClientSampleId :
FB030922

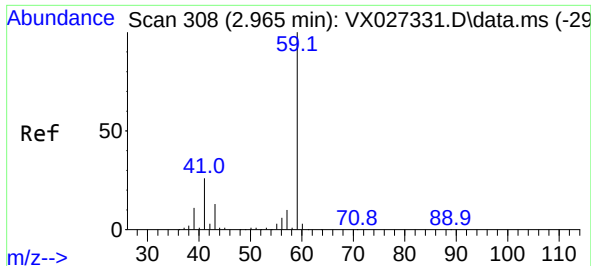
Tgt Ion: 94 Resp: 582
Ion Ratio Lower Upper
94 100
96 63.9 75.3 112.9#



#6
Chloroethane
Concen: 0.655 ug/l
RT: 1.721 min Scan# 104
Delta R.T. 0.042 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

Tgt Ion: 64 Resp: 582
Ion Ratio Lower Upper
64 100
66 16.1 25.3 37.9#

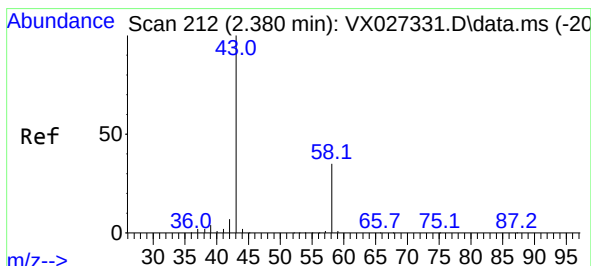
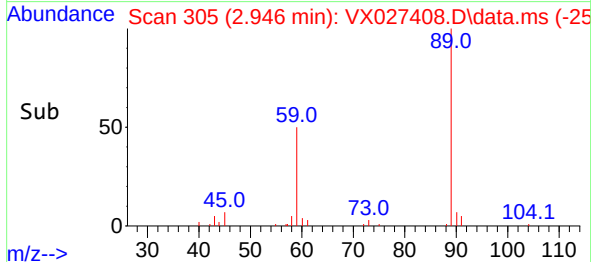
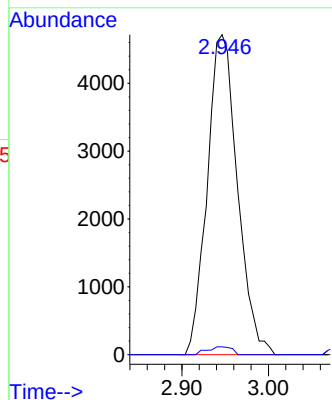
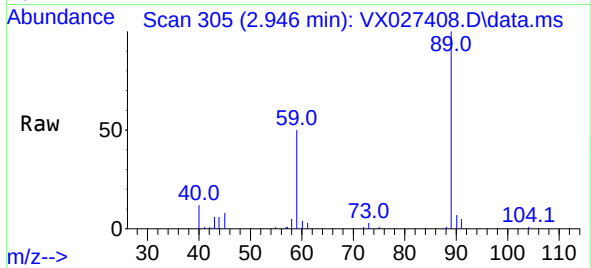




#11
Tert butyl alcohol
Concen: 12.391 ug/l
RT: 2.946 min Scan# 30
Delta R.T. -0.019 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

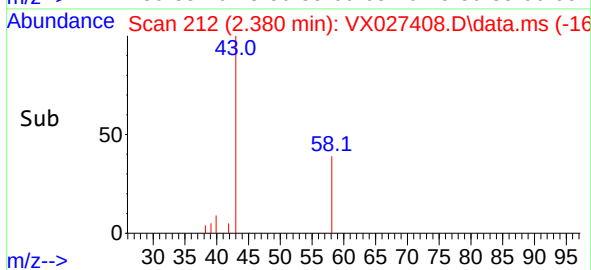
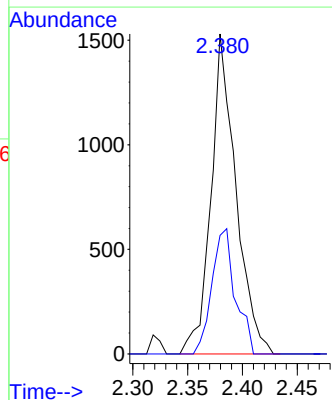
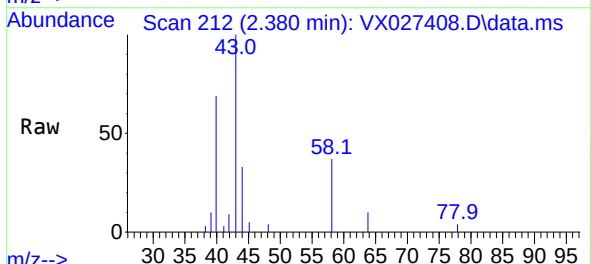
Instrument :
MSVOA_X
ClientSampleId :
FB030922

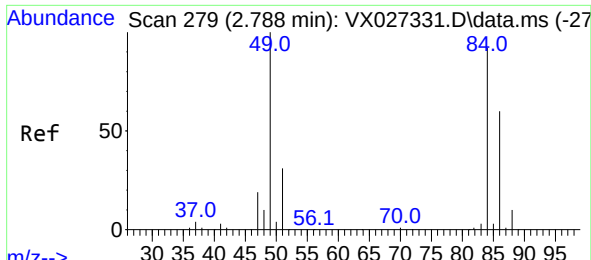
Tgt Ion: 59 Resp: 11440
Ion Ratio Lower Upper
59 100
57 2.0 8.3 12.5#



#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

Tgt Ion: 43 Resp: 2424
Ion Ratio Lower Upper
43 100
58 37.1 28.8 43.2





#20

Methylene Chloride

Concen: 0.463 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX027408.D

Acq: 11 Mar 2022 17:40

Instrument :

MSVOA_X

ClientSampleId :

FB030922

Tgt Ion: 84 Resp: 2130

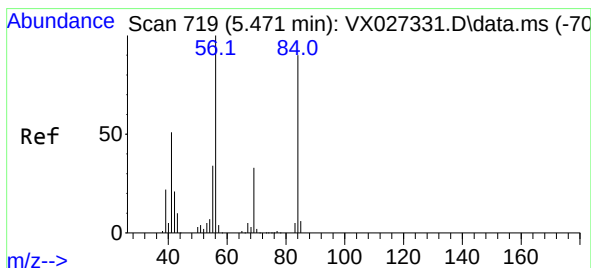
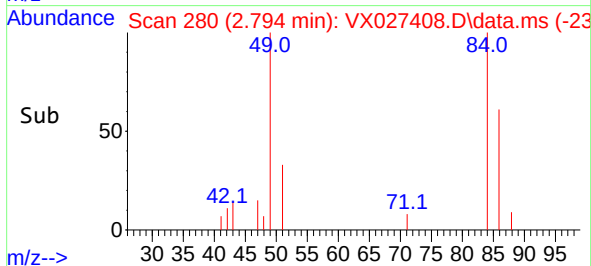
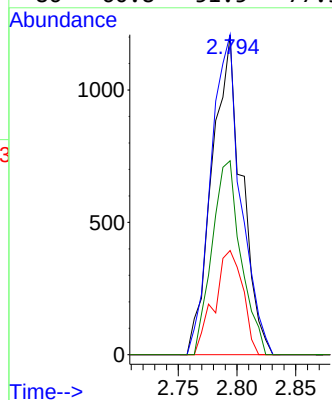
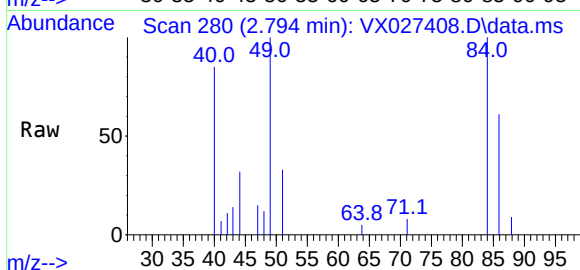
Ion Ratio Lower Upper

84 100

49 100.3 85.5 128.3

51 32.7 26.6 39.8

86 60.8 51.5 77.3



#31

Cyclohexane

Concen: 0.936 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.091 min

Lab File: VX027408.D

Acq: 11 Mar 2022 17:40

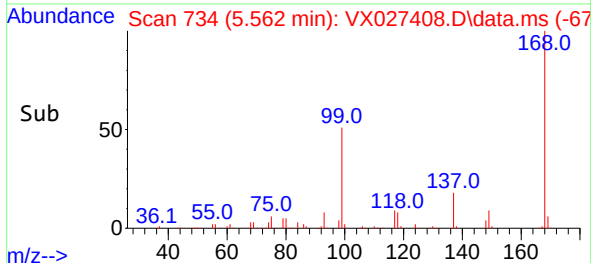
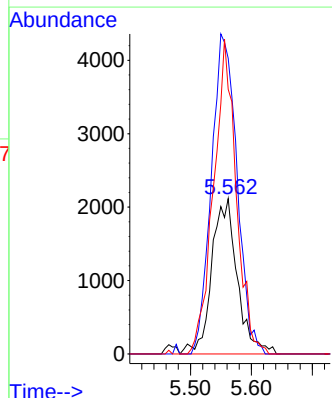
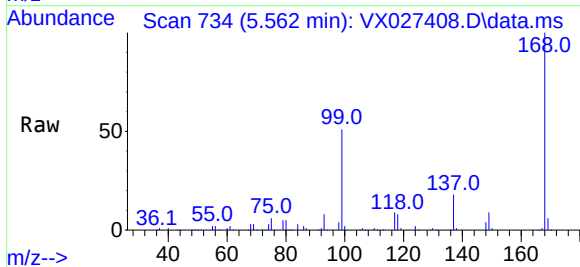
Tgt Ion: 56 Resp: 6163

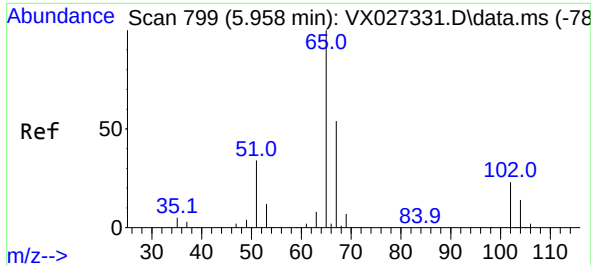
Ion Ratio Lower Upper

56 100

69 190.2 26.7 40.1#

84 170.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 42.175 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027408.D

Acq: 11 Mar 2022 17:40

Instrument :

MSVOA_X

ClientSampleId :

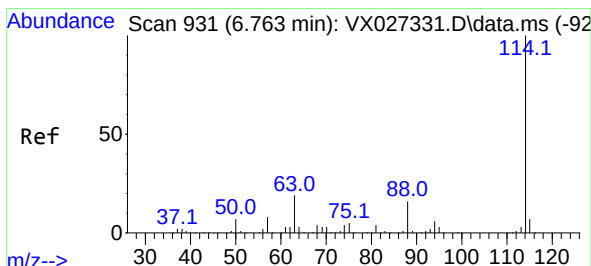
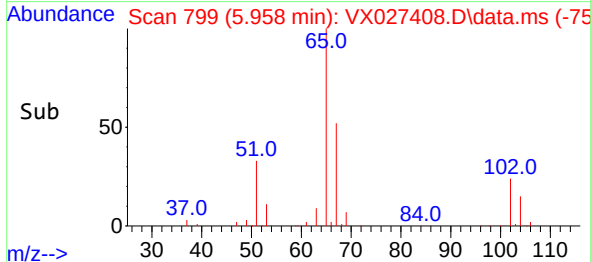
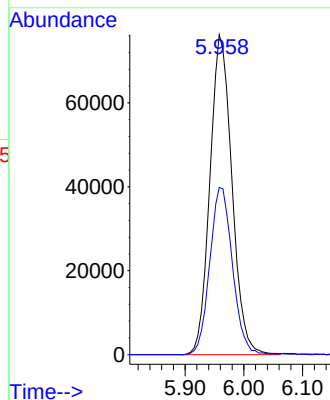
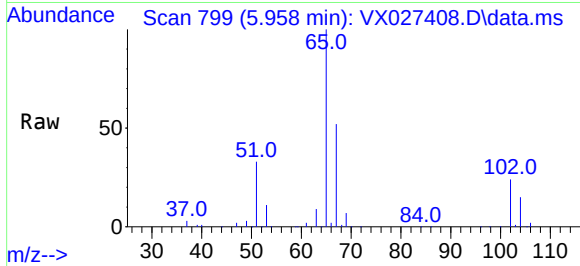
FB030922

Tgt Ion: 65 Resp: 198630

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027408.D

Acq: 11 Mar 2022 17:40

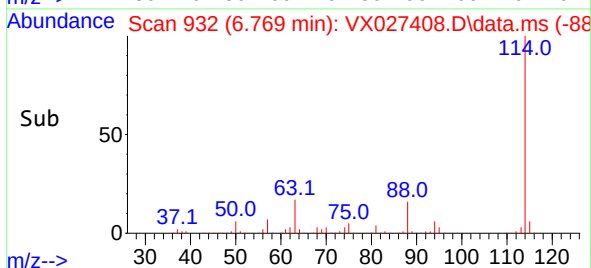
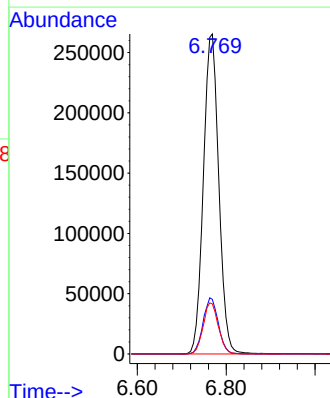
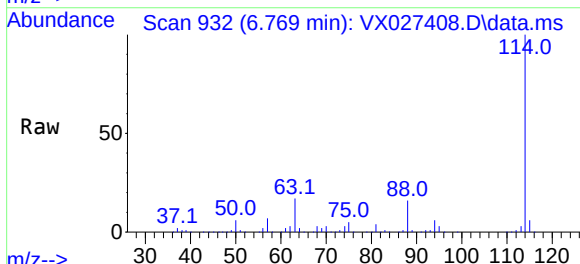
Tgt Ion: 114 Resp: 640463

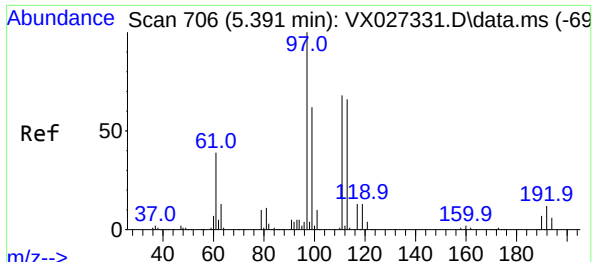
Ion Ratio Lower Upper

114 100

63 17.0 0.0 36.8

88 15.7 0.0 32.4

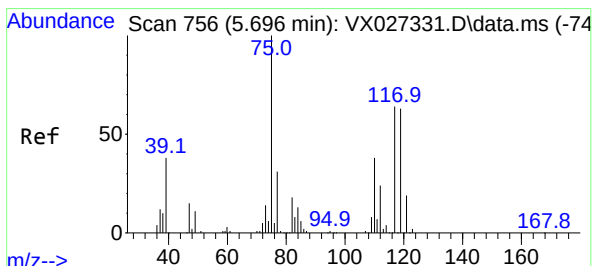
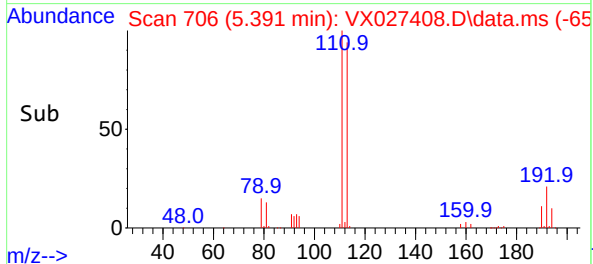
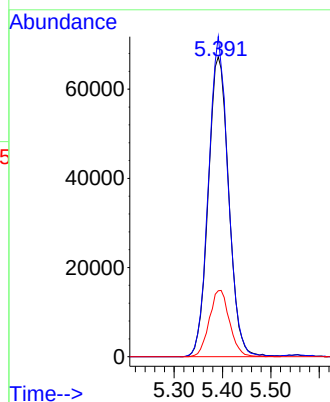
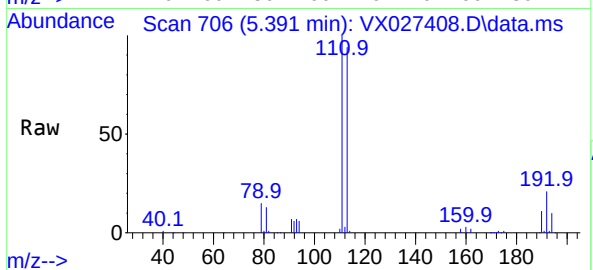




#35
Dibromofluoromethane
Concen: 47.955 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

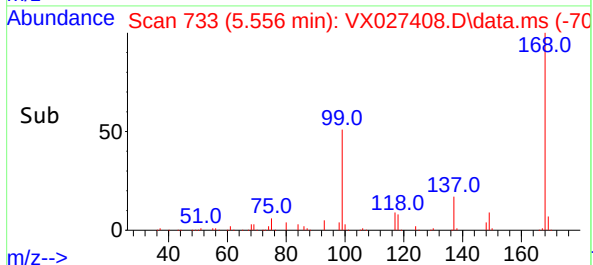
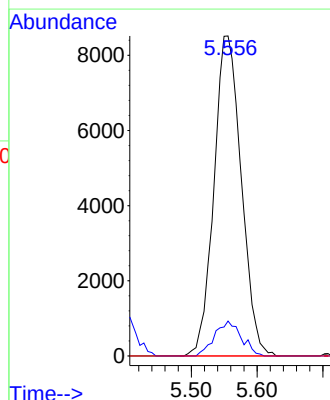
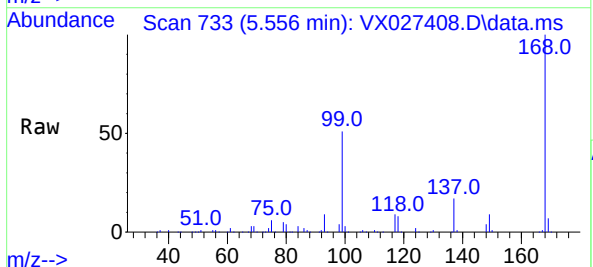
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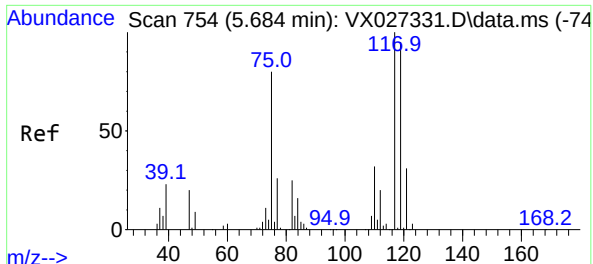
Tgt Ion:113 Resp: 198182
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 21.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.296 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

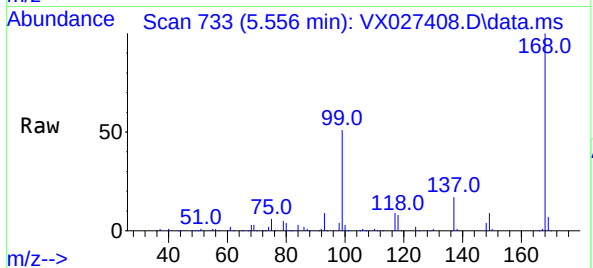
Tgt Ion: 75 Resp: 24651
Ion Ratio Lower Upper
75 100
110 10.7 18.3 54.8#
77 0.0 24.8 37.2#



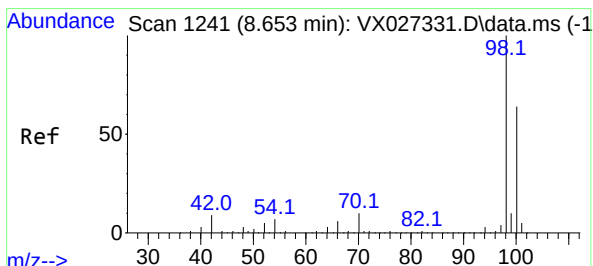
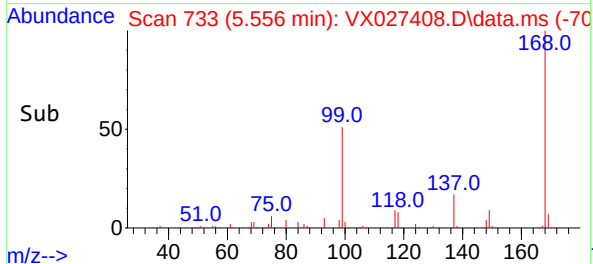
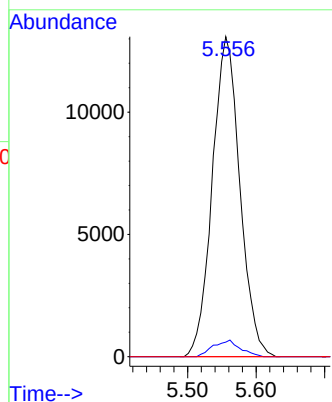


#38
Carbon Tetrachloride
Concen: 6.157 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

Instrument :
MSVOA_X
ClientSampleId :
FB030922

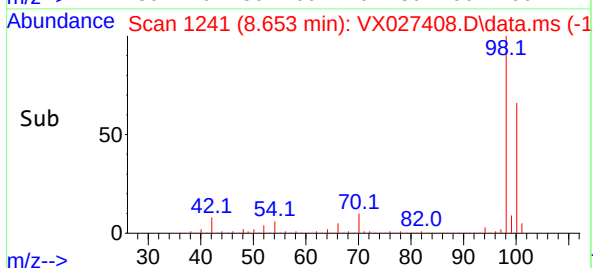
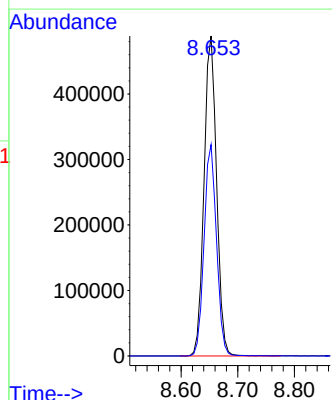
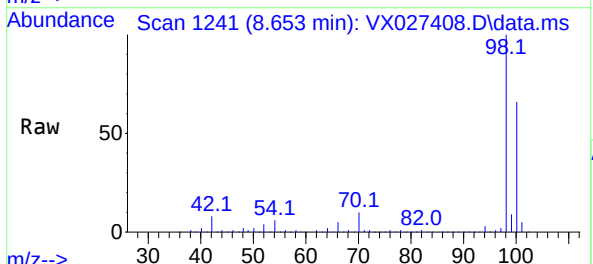


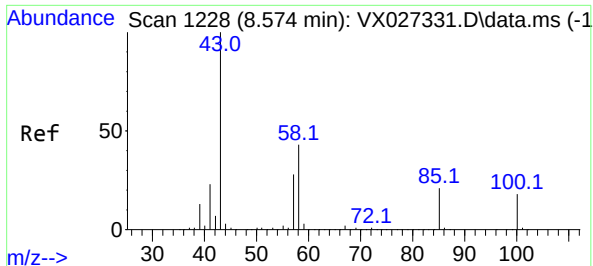
Tgt Ion:117 Resp: 36531
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.012 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

Tgt Ion: 98 Resp: 749081
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.384 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX027408.D

Acq: 11 Mar 2022 17:40

Instrument :

MSVOA_X

ClientSampleId :

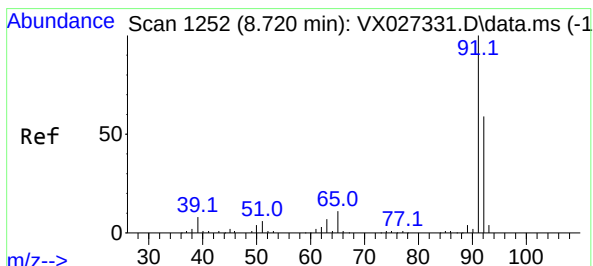
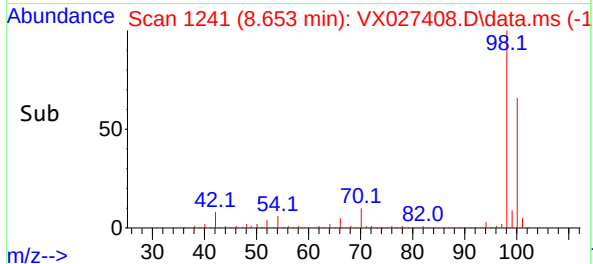
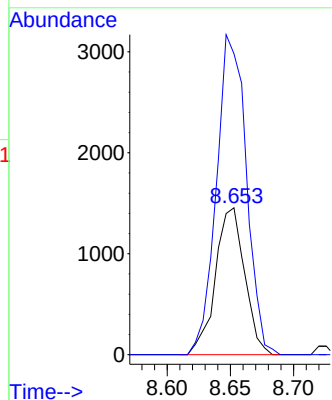
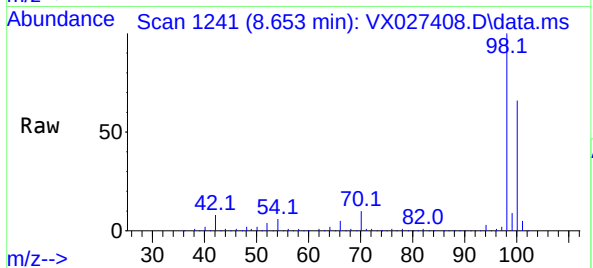
FB030922

Tgt Ion: 43 Resp: 2341

Ion Ratio Lower Upper

43 100

58 222.5 36.1 54.1#



#52

Toluene

Concen: 0.806 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX027408.D

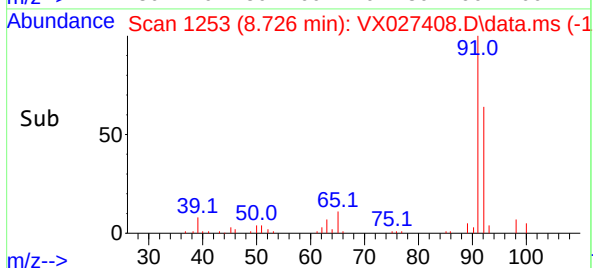
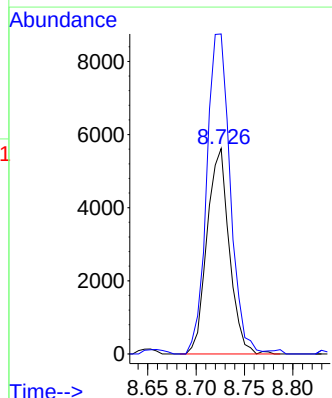
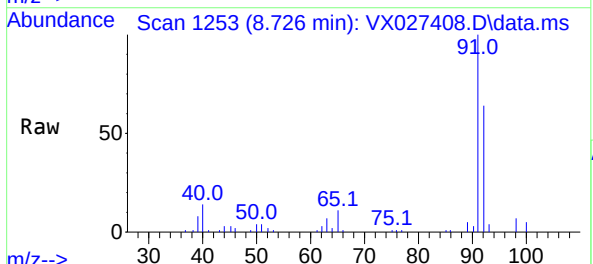
Acq: 11 Mar 2022 17:40

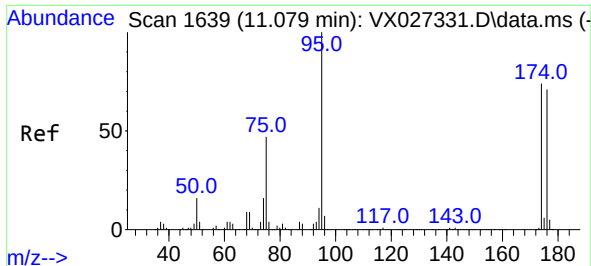
Tgt Ion: 92 Resp: 8982

Ion Ratio Lower Upper

92 100

91 164.5 137.5 206.3

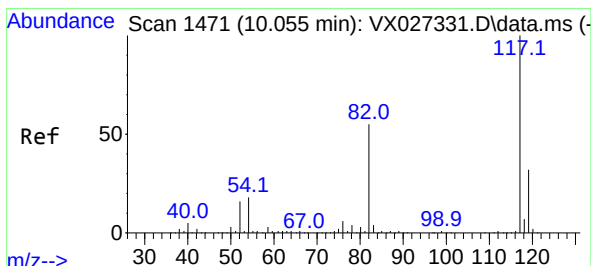
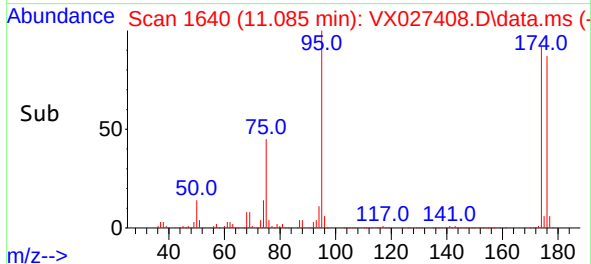
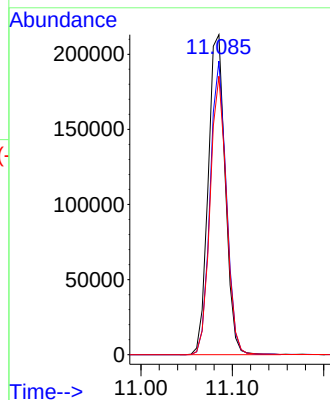
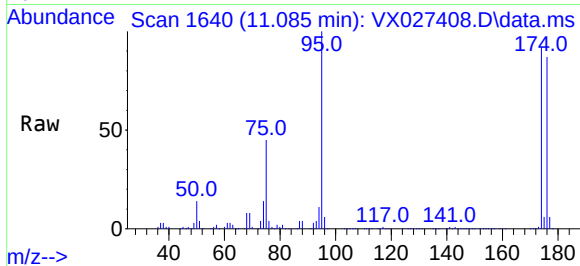




#62
4-Bromofluorobenzene
Concen: 46.287 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

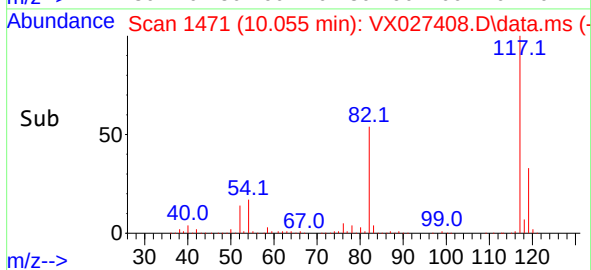
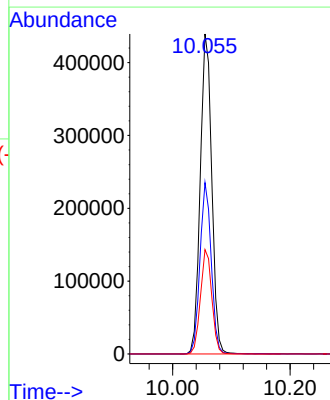
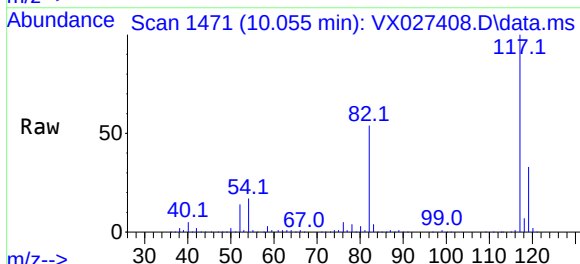
Instrument :
MSVOA_X
ClientSampleId :
FB030922

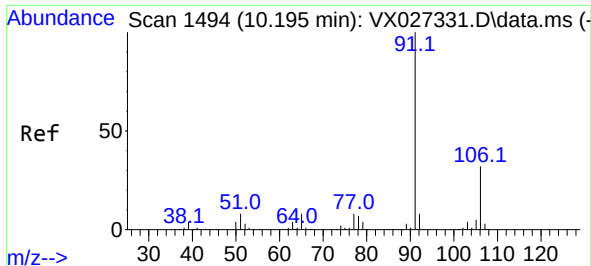
Tgt Ion: 95 Resp: 275237
Ion Ratio Lower Upper
95 100
174 87.2 0.0 163.0
176 83.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

Tgt Ion: 117 Resp: 595724
Ion Ratio Lower Upper
117 100
82 53.6 41.8 62.8
119 32.6 24.8 37.2





#67

Ethyl Benzene

Concen: 2.511 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX027408.D

Acq: 11 Mar 2022 17:40

Instrument :

MSVOA_X

ClientSampleId :

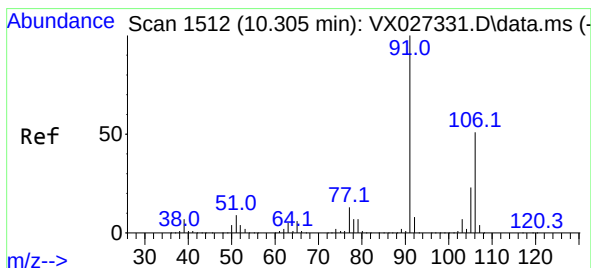
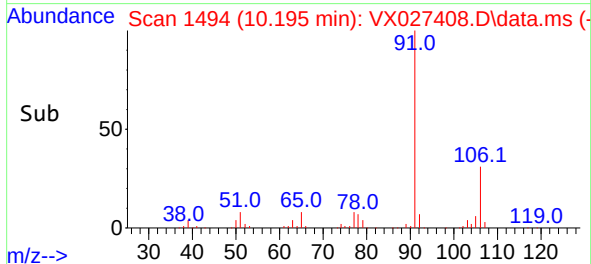
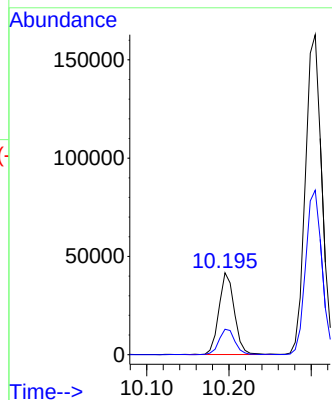
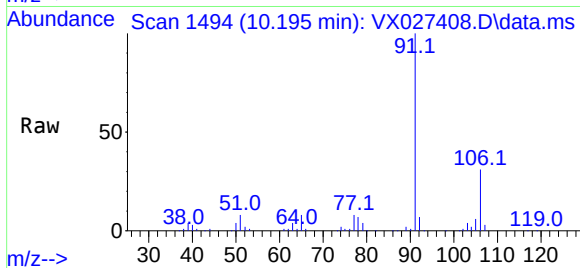
FB030922

Tgt Ion: 91 Resp: 54282

Ion Ratio Lower Upper

91 100

106 30.9 24.6 36.8



#68

m/p-Xylenes

Concen: 13.560 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX027408.D

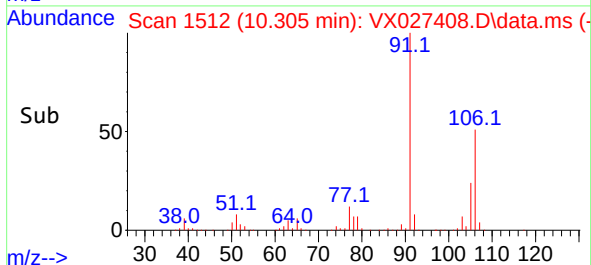
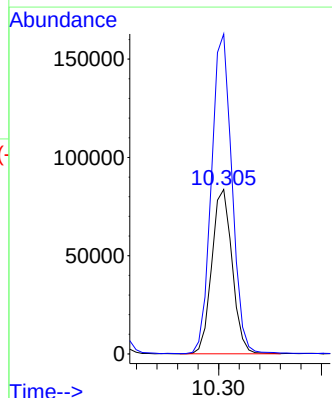
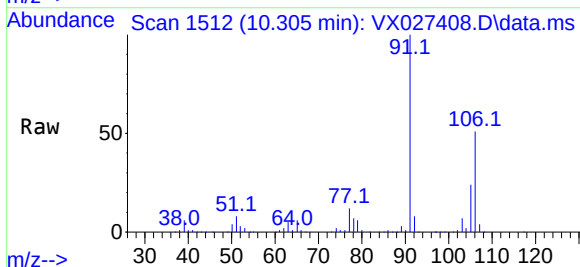
Acq: 11 Mar 2022 17:40

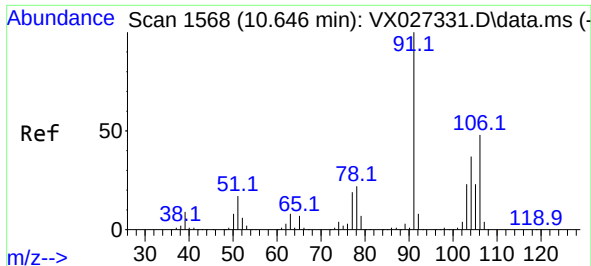
Tgt Ion: 106 Resp: 114964

Ion Ratio Lower Upper

106 100

91 196.6 160.4 240.6

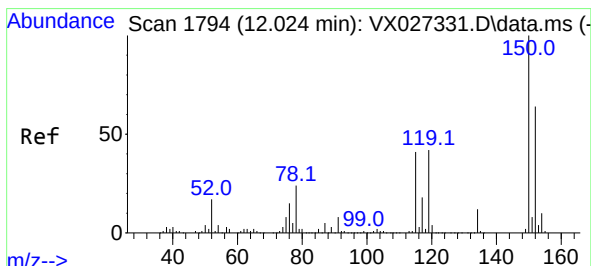
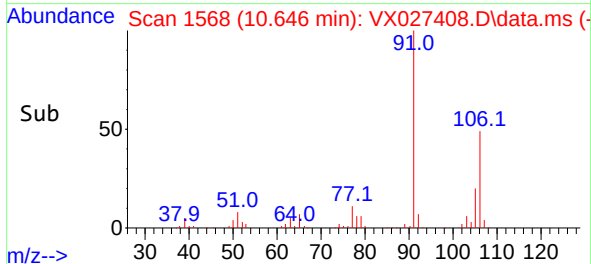
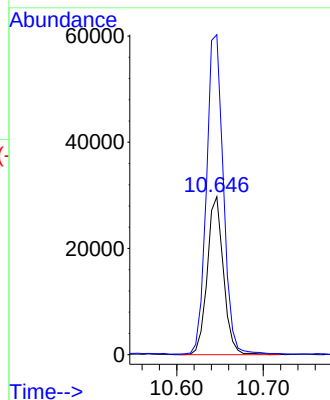
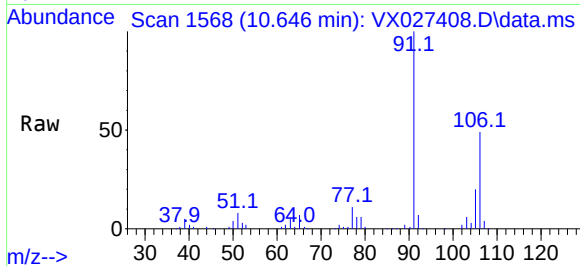




#69
o-Xylene
Concen: 4.622 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

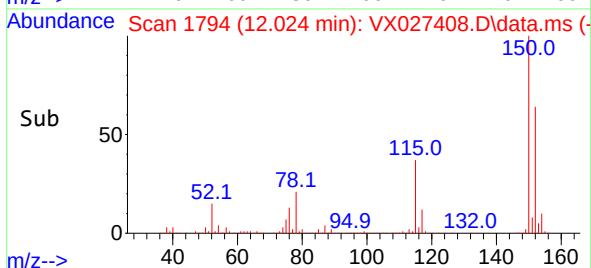
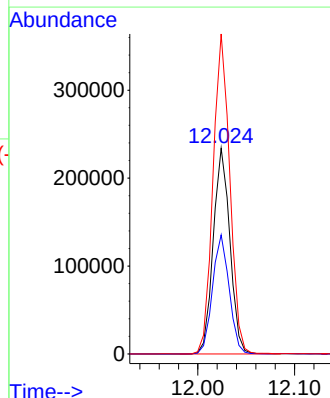
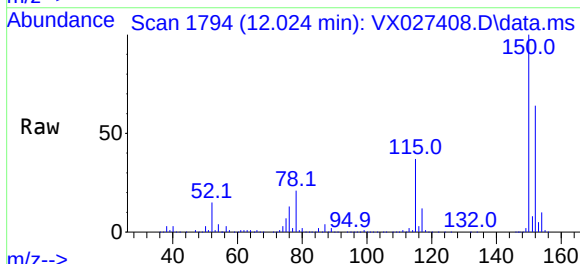
Instrument :
MSVOA_X
ClientSampleId :
FB030922

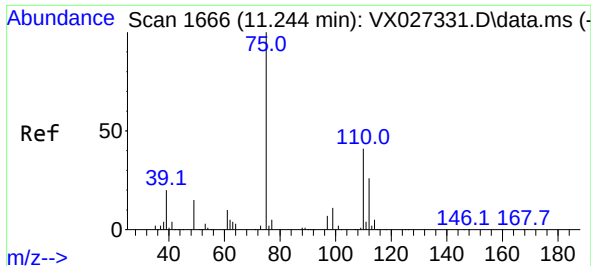
Tgt Ion:106 Resp: 38687
Ion Ratio Lower Upper
106 100
91 210.3 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

Tgt Ion:152 Resp: 279687
Ion Ratio Lower Upper
152 100
115 57.9 37.5 112.7
150 157.0 0.0 338.2

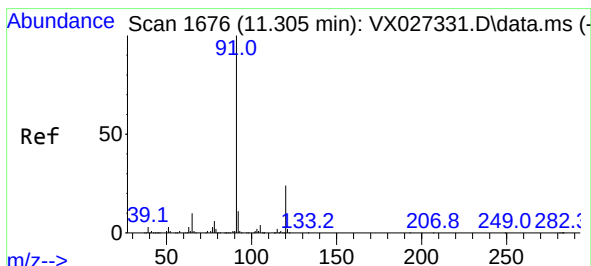
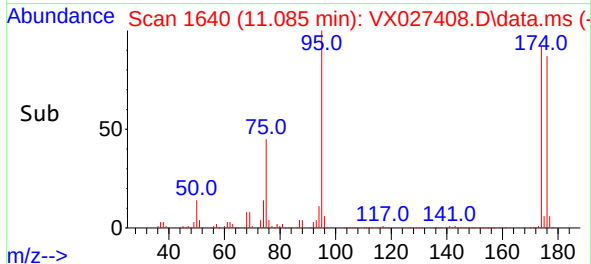
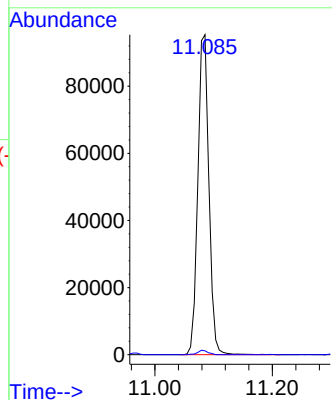
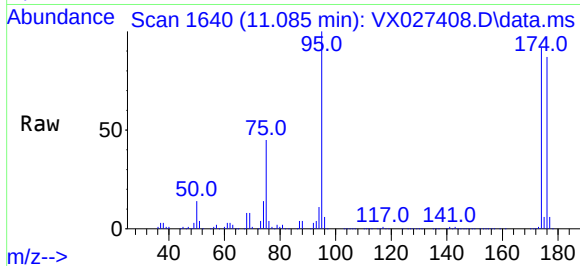




#76
1,2,3-Trichloropropane
Concen: 20.280 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

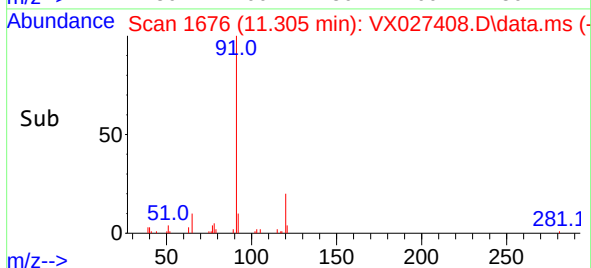
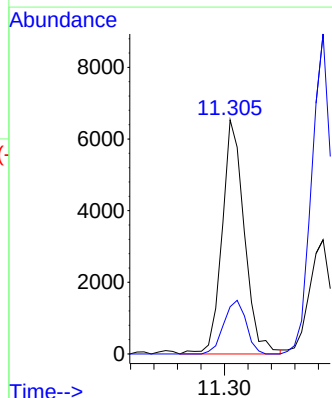
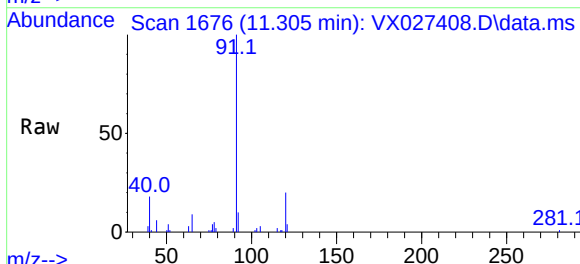
Instrument :
MSVOA_X
ClientSampleId :
FB030922

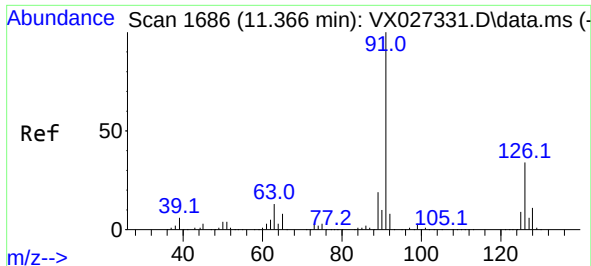
Tgt Ion: 75 Resp: 124445
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#78
n-propylbenzene
Concen: 0.374 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

Tgt Ion: 91 Resp: 8603
Ion Ratio Lower Upper
91 100
120 22.9 11.6 34.8





#79

2-Chlorotoluene

Concen: 0.399 ug/l

RT: 11.384 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX027408.D

Acq: 11 Mar 2022 17:40

Instrument :

MSVOA_X

ClientSampleId :

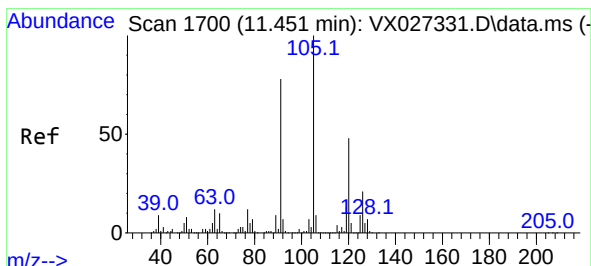
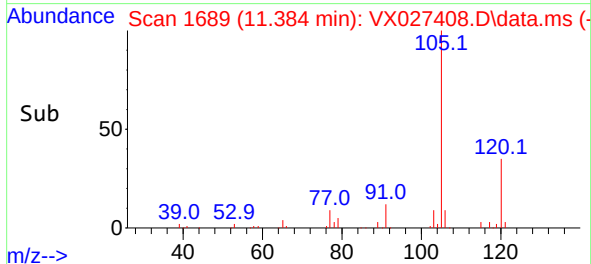
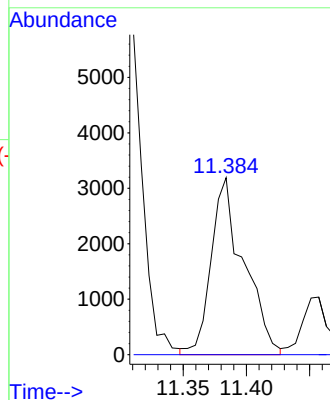
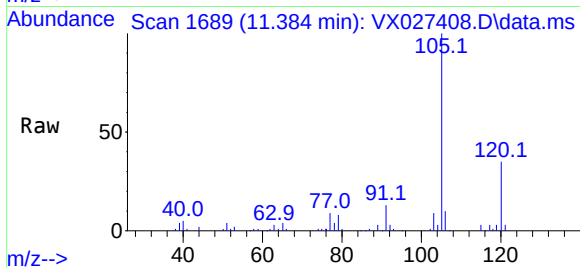
FB030922

Tgt Ion: 91 Resp: 5733

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.9#



#80

1,3,5-Trimethylbenzene

Concen: 0.770 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX027408.D

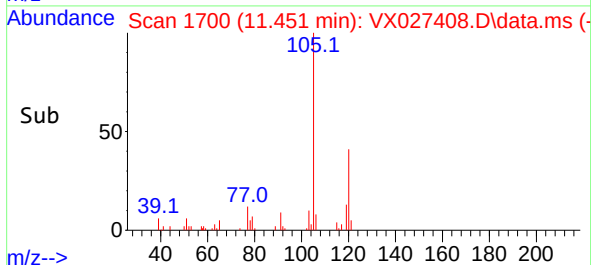
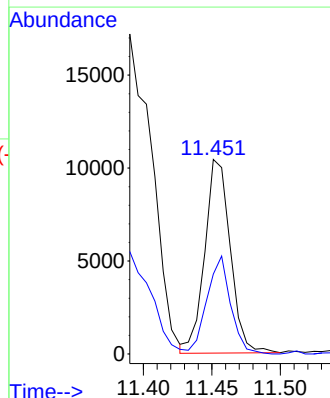
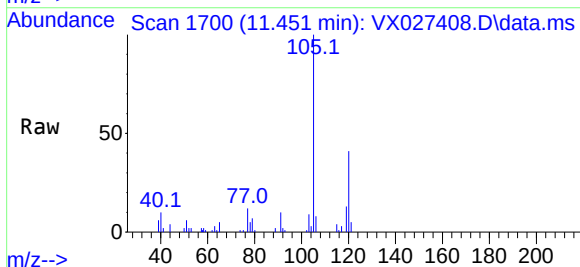
Acq: 11 Mar 2022 17:40

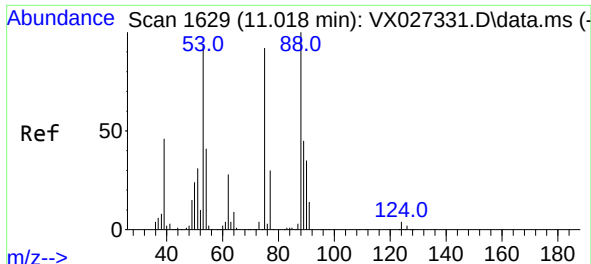
Tgt Ion:105 Resp: 13508

Ion Ratio Lower Upper

105 100

120 46.6 24.3 72.9

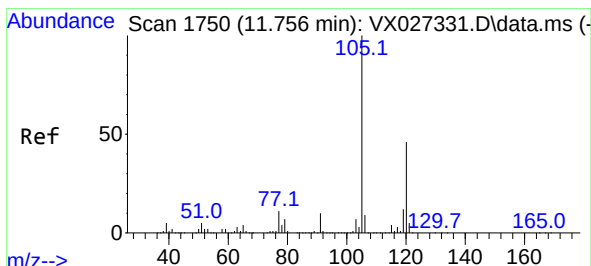
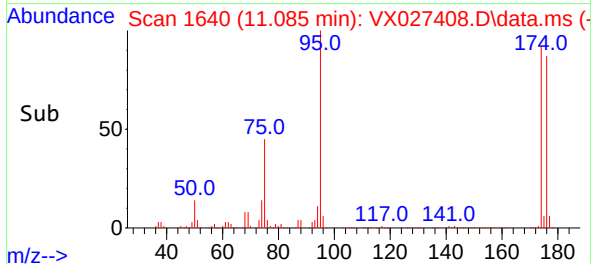
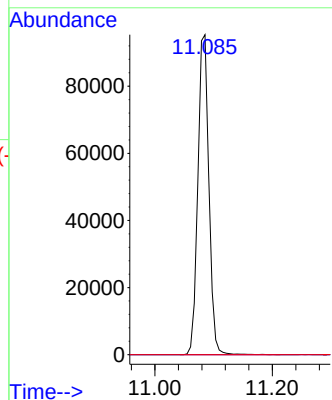
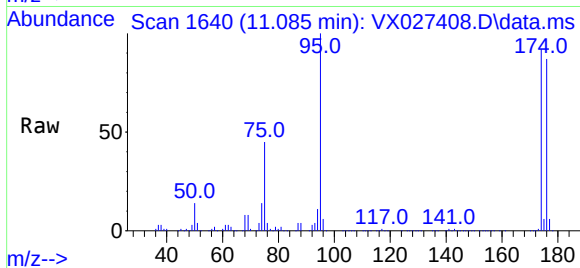




#81
trans-1,4-Dichloro-2-butene
Concen: 65.587 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

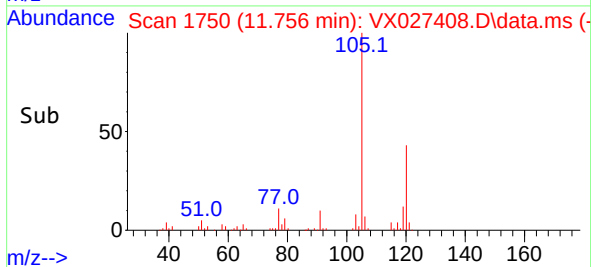
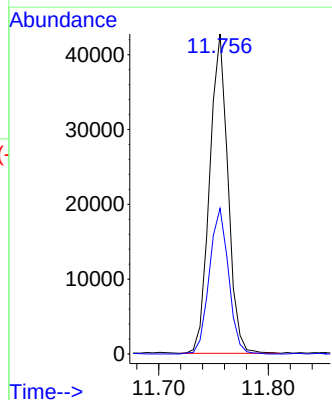
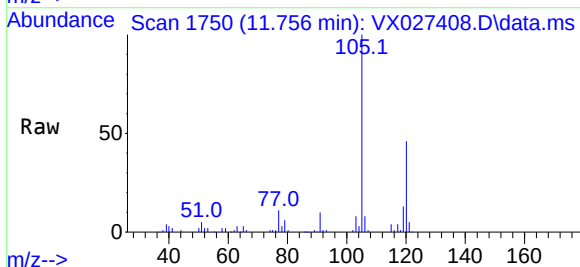
Instrument :
MSVOA_X
ClientSampleId :
FB030922

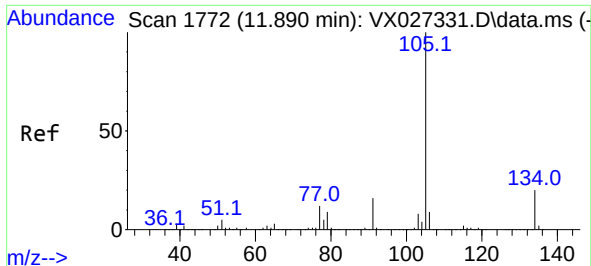
Tgt Ion: 75 Resp: 124445
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 2.849 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

Tgt Ion: 105 Resp: 49558
Ion Ratio Lower Upper
105 100
120 47.8 22.6 67.8

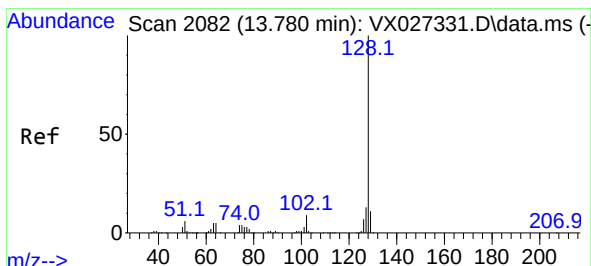
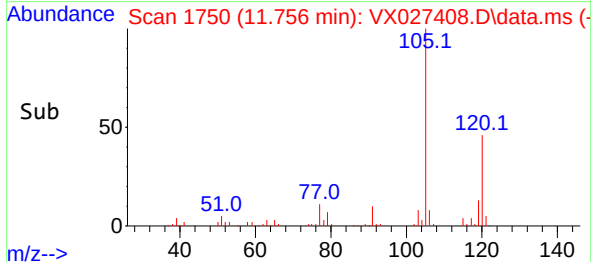
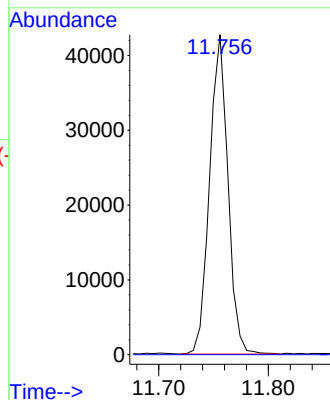
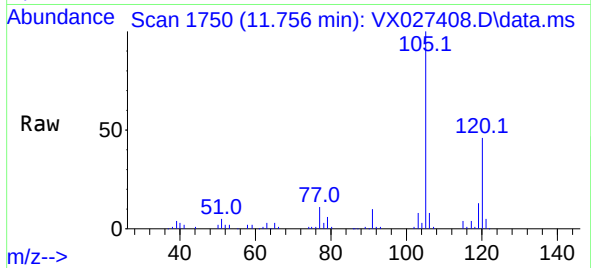




#85
sec-Butylbenzene
Concen: 2.344 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

Instrument :
MSVOA_X
ClientSampleId :
FB030922

Tgt Ion:105 Resp: 49558
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#



#95
Naphthalene
Concen: 1.316 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX027408.D
Acq: 11 Mar 2022 17:40

Tgt Ion:128 Resp: 27729
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.7 13.1

