

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020322\
 Data File : VX026765.D
 Acq On : 03 Feb 2022 17:58
 Operator : JC/MD
 Sample : N1356-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 F-PHC

Quant Time: Feb 04 02:34:35 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

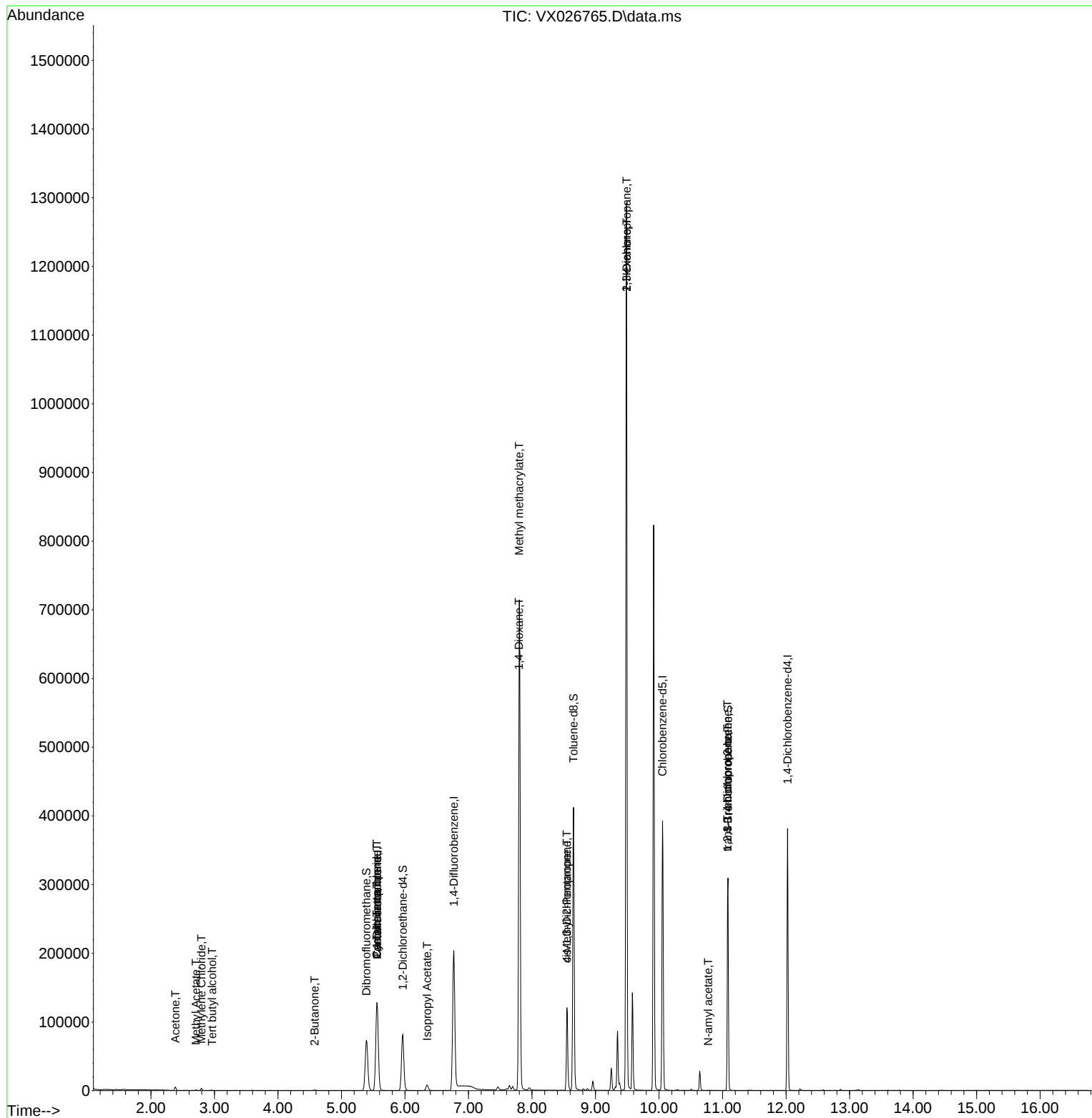
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	122503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	205416	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	79194	46.278	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.560%
35) Dibromofluoromethane	5.391	113	65031	49.024	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.040%
50) Toluene-d8	8.653	98	239655	50.135	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.280%
62) 4-Bromofluorobenzene	11.085	95	83810	49.355	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.720%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	301	1.264	ug/l #	75
16) Acetone	2.386	43	5881	6.739	ug/l	97
18) Methyl Acetate	2.709	43	1136	0.655	ug/l #	81
20) Methylene Chloride	2.794	84	1226	0.850	ug/l	87
25) 2-Butanone	4.574	43	1144	1.008	ug/l	90
31) Cyclohexane	5.556	56	2356	0.933	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9029	4.312	ug/l #	51
38) Carbon Tetrachloride	5.556	117	12268	5.695	ug/l #	16
43) Isopropyl Acetate	6.348	43	11601	3.390	ug/l	98
48) Methyl methacrylate	7.799	41	60552	35.707	ug/l #	45
49) 1,4-Dioxane	7.793	88	51	1.833	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	41095	20.248	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	18861	8.533	ug/l #	58
57) 1,3-Dichloropropane	9.488	76	11060	4.606	ug/l #	43
59) 2-Hexanone	9.488	43	153603	98.881	ug/l #	52
74) N-amyl acetate	10.774	43	520	0.212	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	40821	23.936	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	40821	72.968	ug/l #	3

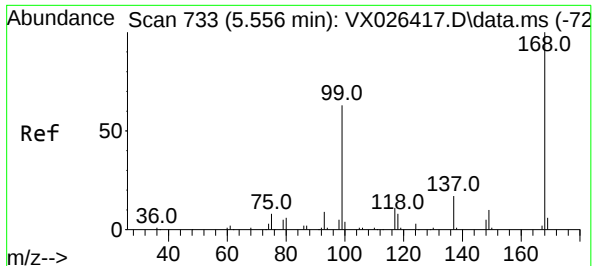
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 11 14:45:13 2022
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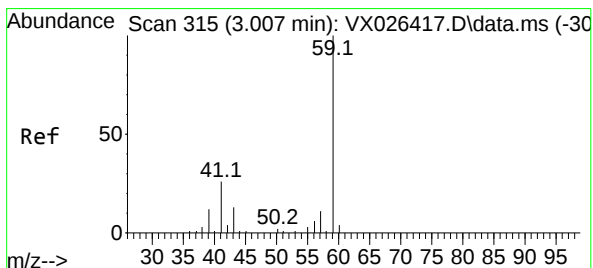
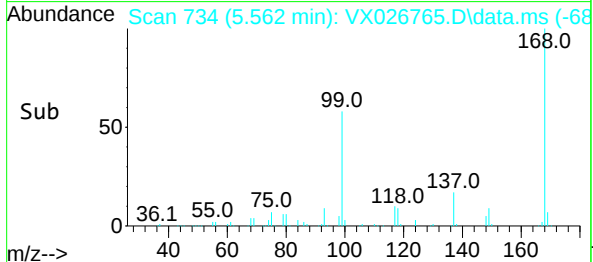
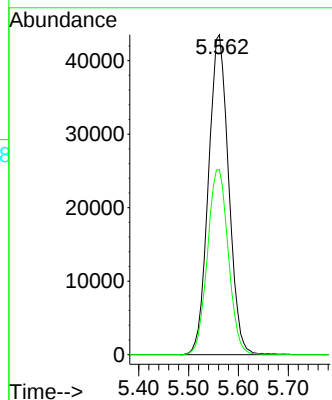
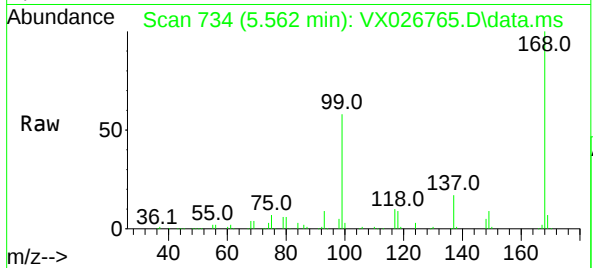




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

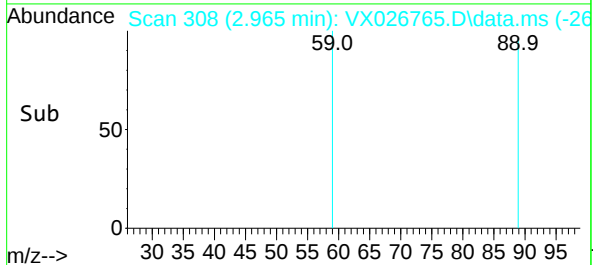
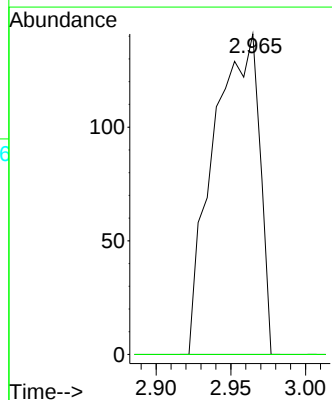
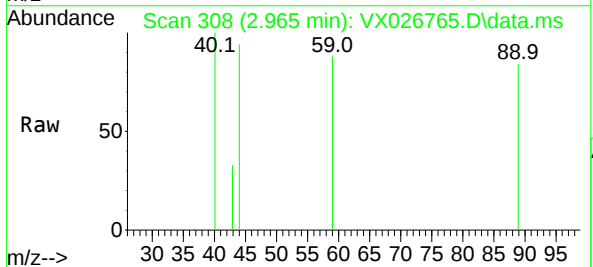
Instrument :
MSVOA_X
ClientSampleId :
F-PHC

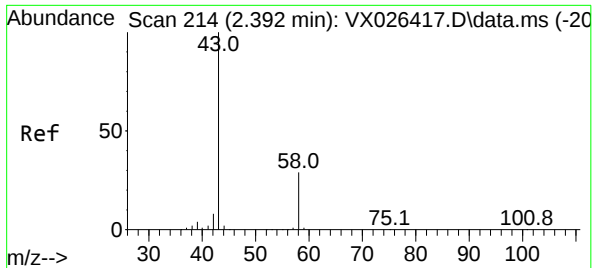
Tgt Ion:168 Resp: 122503
Ion Ratio Lower Upper
168 100
99 57.9 50.3 75.5



#11
Tert butyl alcohol
Concen: 1.264 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.042 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

Tgt Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

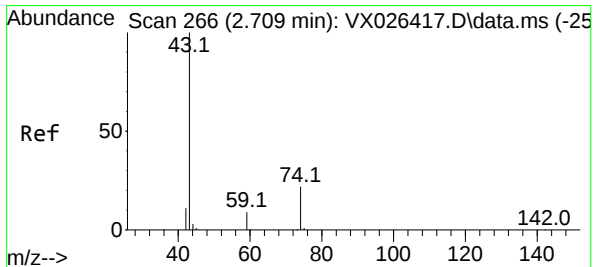
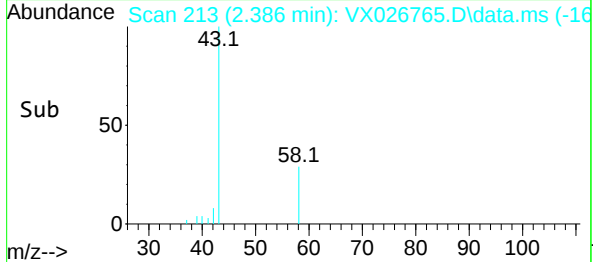
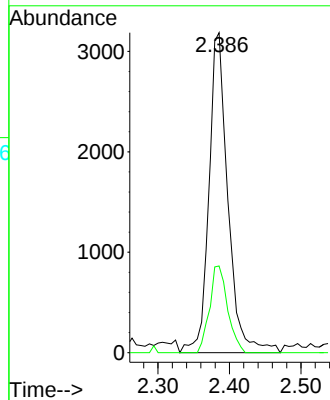
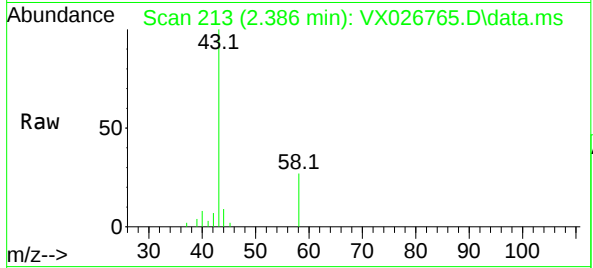




#16
Acetone
Concen: 6.739 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

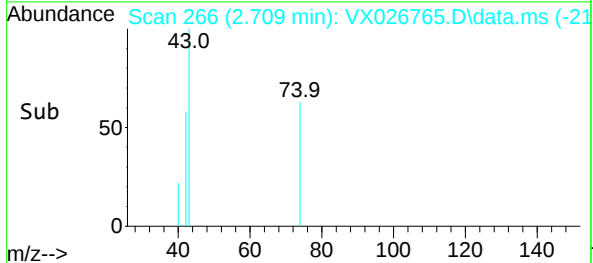
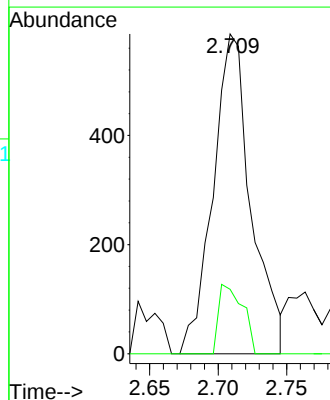
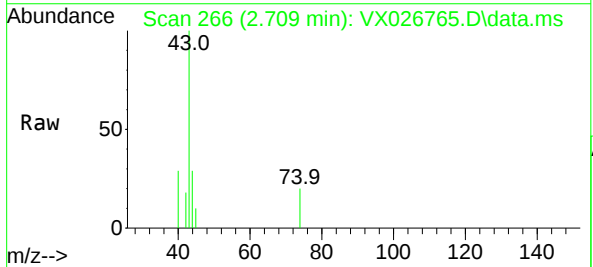
Instrument :
MSVOA_X
ClientSampleId :
F-PHC

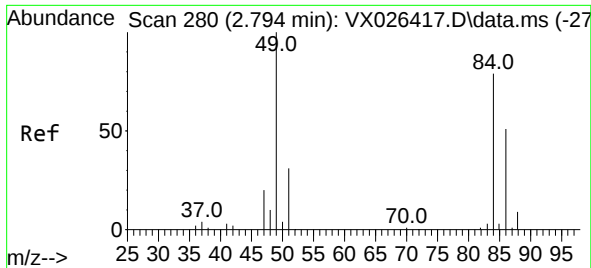
Tgt Ion: 43 Resp: 5881
Ion Ratio Lower Upper
43 100
58 27.1 23.0 34.6



#18
Methyl Acetate
Concen: 0.655 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
74 13.6 18.3 27.5#

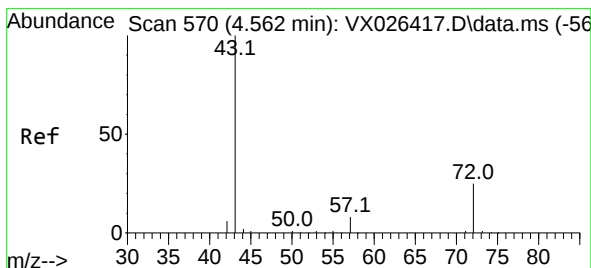
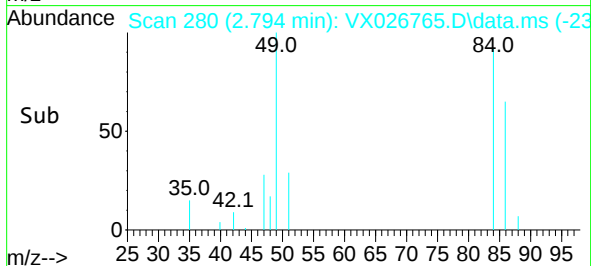
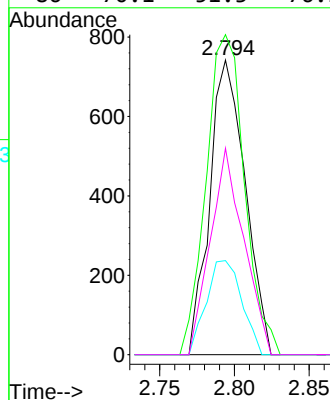
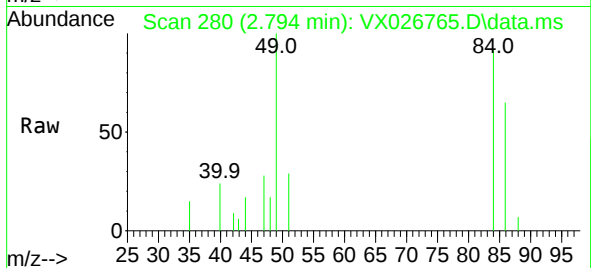




#20
Methylene Chloride
Concen: 0.850 ug/l
RT: 2.794 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

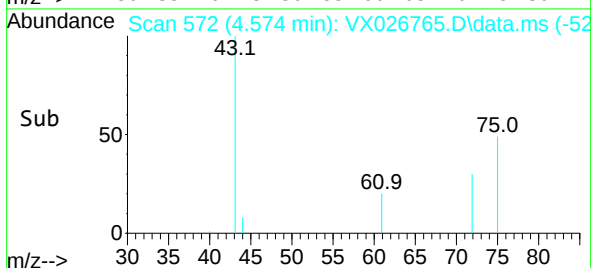
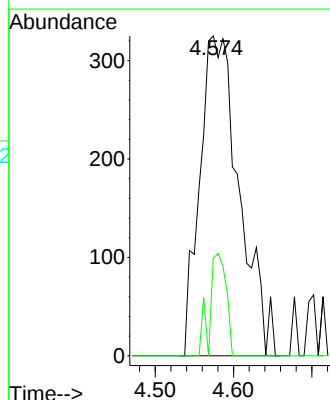
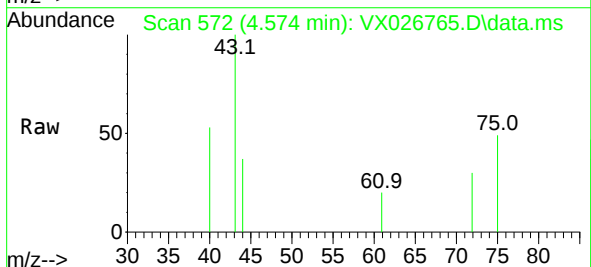
Instrument :
MSVOA_X
ClientSampleId :
F-PHC

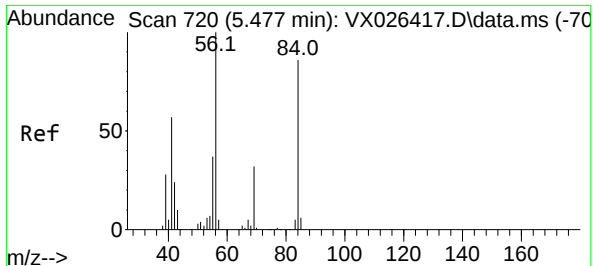
Tgt Ion: 84	Resp: 1226
Ion Ratio	Lower Upper
84 100	
49 108.6	101.5 152.3
51 31.9	31.2 46.8
86 70.1	51.3 76.9



#25
2-Butanone
Concen: 1.008 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

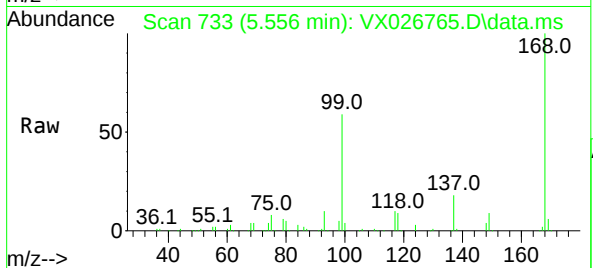
Tgt Ion: 43	Resp: 1144		
Ion Ratio	Lower	Upper	
43 100			
72 30.5	20.4	30.6	



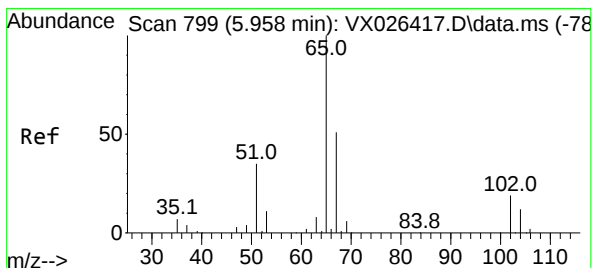
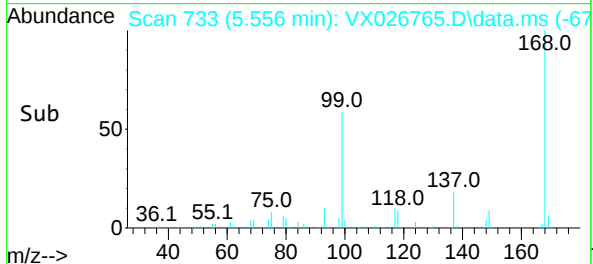
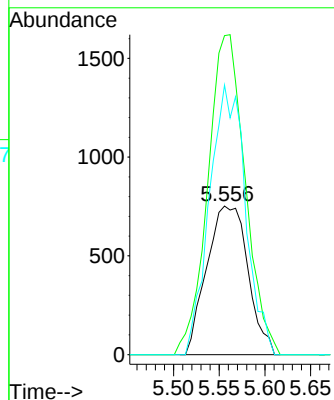


#31
Cyclohexane
Concen: 0.933 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

Instrument :
MSVOA_X
ClientSampleId :
F-PHC

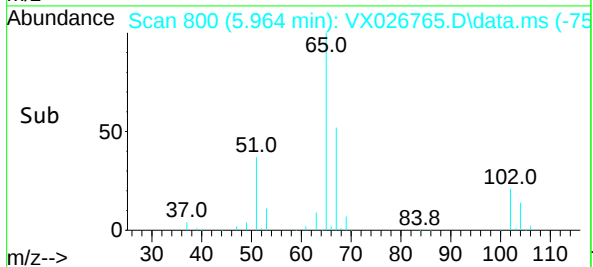
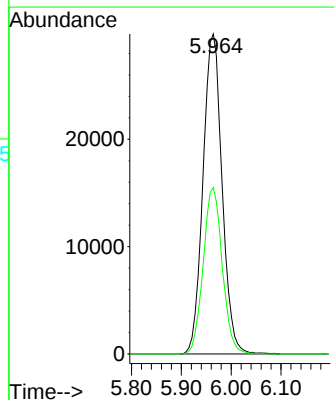
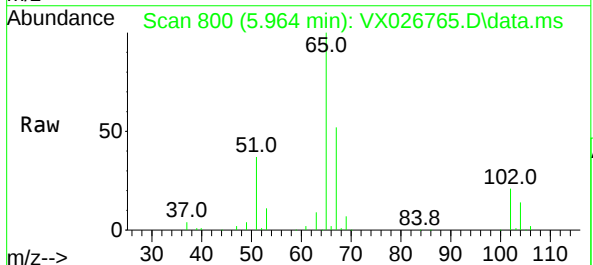


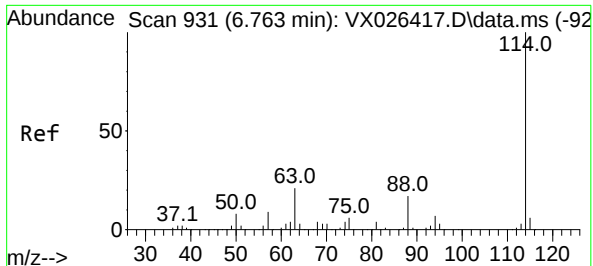
Tgt Ion: 56 Resp: 2356
Ion Ratio Lower Upper
56 100
69 214.8 25.8 38.6#
84 181.5 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 46.278 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

Tgt Ion: 65 Resp: 79194
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX026765.D

Acq: 03 Feb 2022 17:58

Instrument :

MSVOA_X

ClientSampleId :

F-PHC

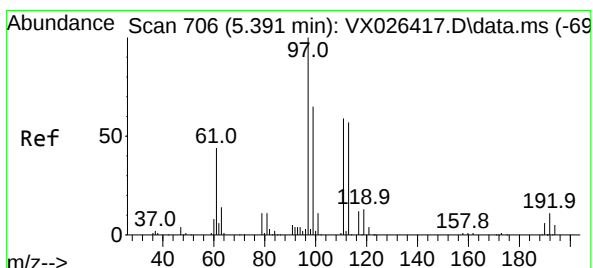
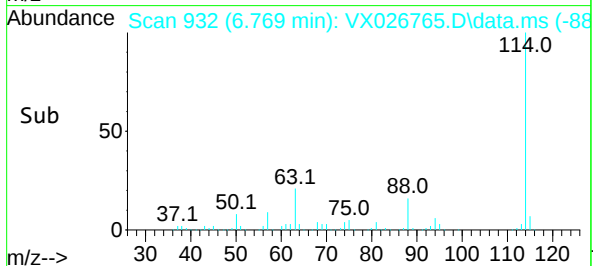
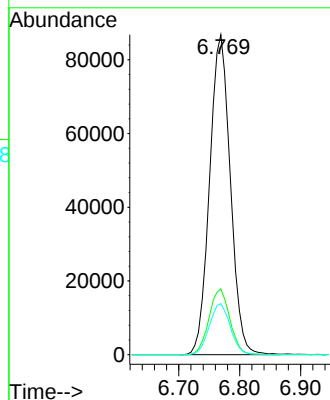
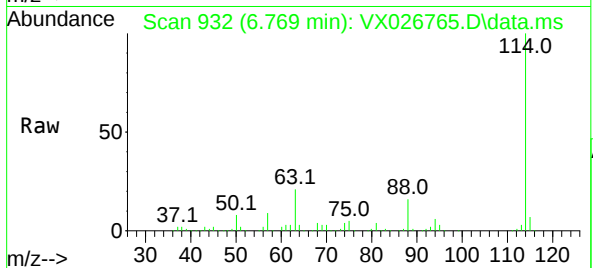
Tgt Ion:114 Resp: 205416

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.8

88 15.9 0.0 33.0



#35

Dibromofluoromethane

Concen: 49.024 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX026765.D

Acq: 03 Feb 2022 17:58

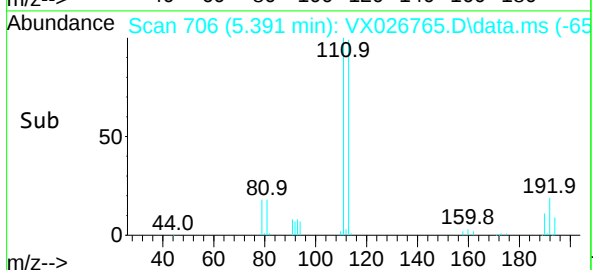
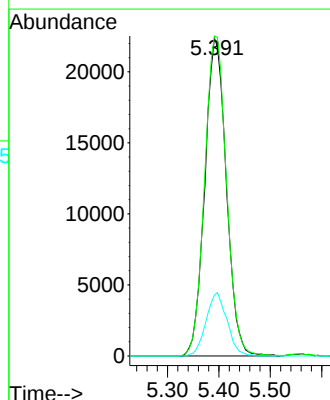
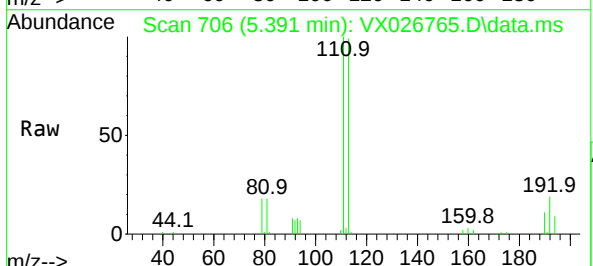
Tgt Ion:113 Resp: 65031

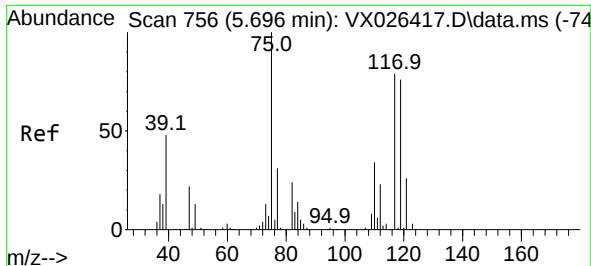
Ion Ratio Lower Upper

113 100

111 102.3 81.2 121.8

192 19.4 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.312 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX026765.D

Acq: 03 Feb 2022 17:58

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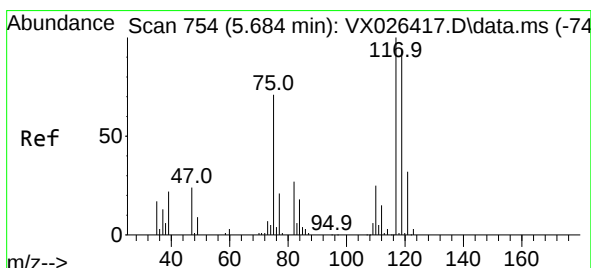
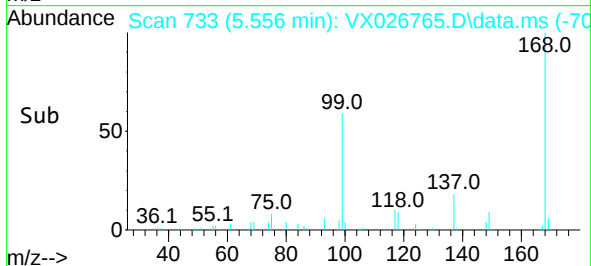
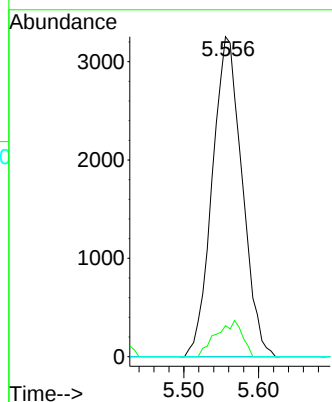
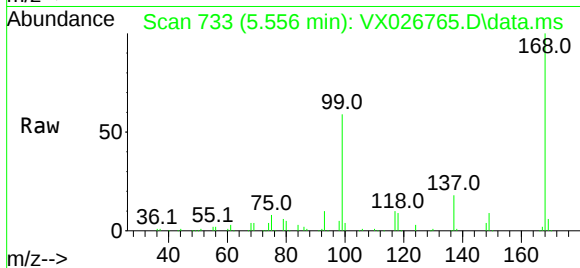
Tgt Ion: 75 Resp: 9029

Ion Ratio Lower Upper

75 100

110 9.9 17.2 51.6#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.695 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX026765.D

Acq: 03 Feb 2022 17:58

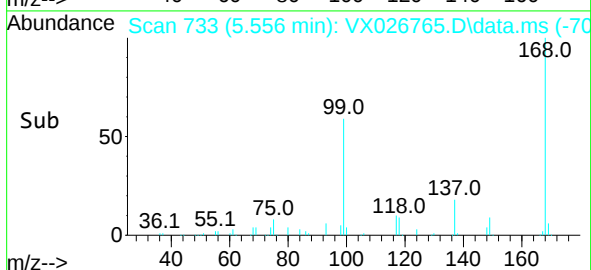
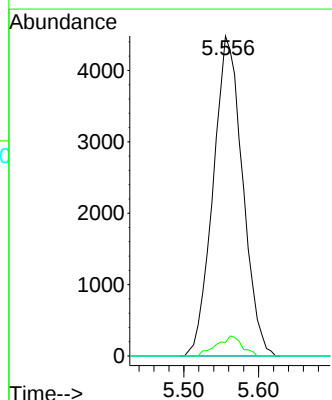
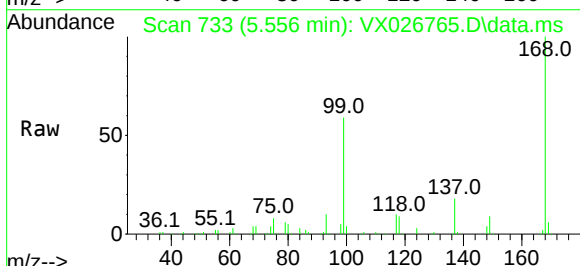
Tgt Ion: 117 Resp: 12268

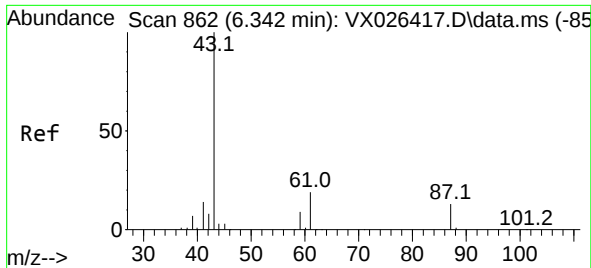
Ion Ratio Lower Upper

117 100

119 4.2 74.7 112.1#

121 0.0 25.4 38.0#

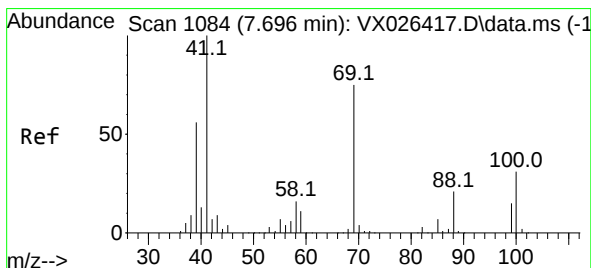
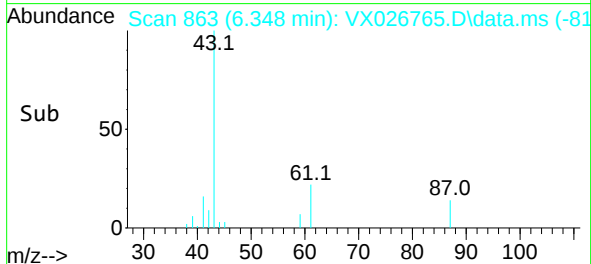
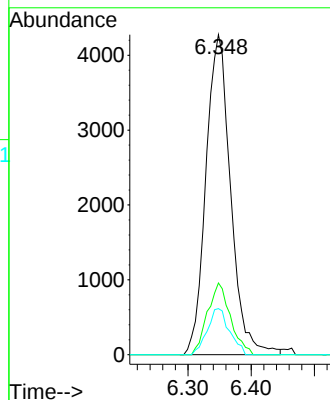
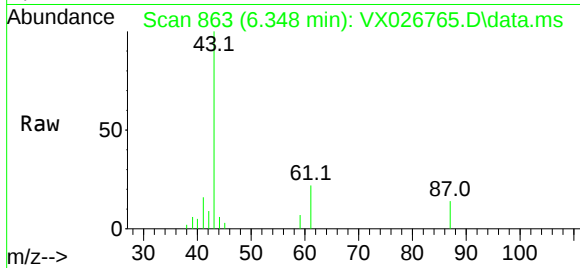




#43
Isopropyl Acetate
Concen: 3.390 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

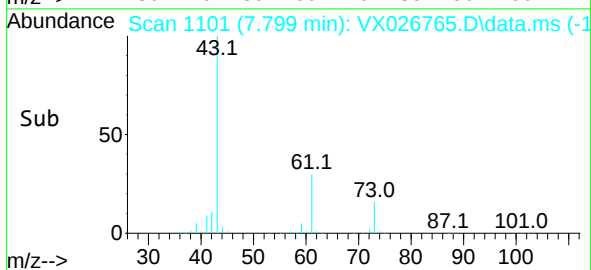
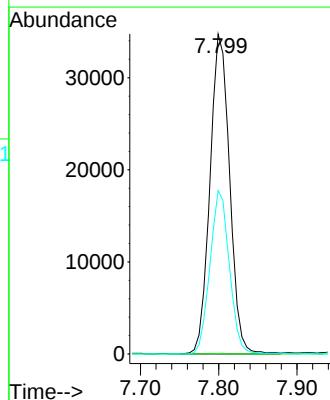
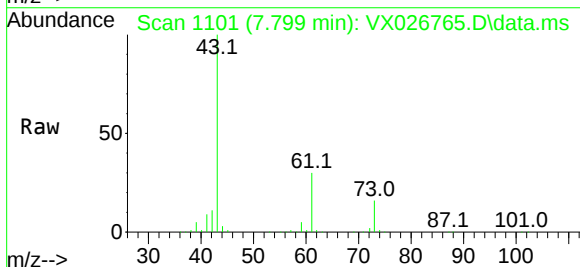
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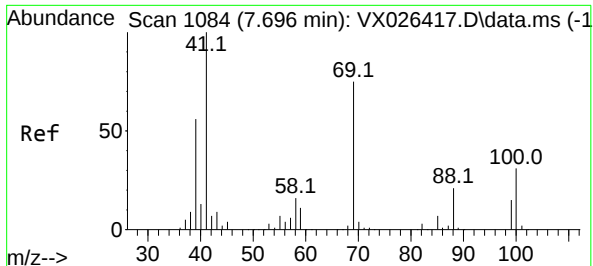
Tgt Ion: 43 Resp: 11601
Ion Ratio Lower Upper
43 100
61 20.8 15.4 23.0
87 12.9 10.2 15.2



#48
Methyl methacrylate
Concen: 35.707 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

Tgt Ion: 41 Resp: 60552
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 50.3 45.4 68.0





#49

1,4-Dioxane

Concen: 1.833 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.097 min

Lab File: VX026765.D

Acq: 03 Feb 2022 17:58

Instrument :

MSVOA_X

ClientSampleId :

F-PHC

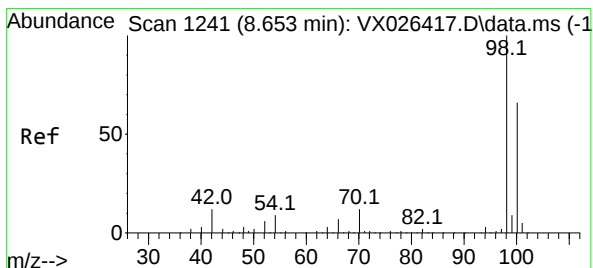
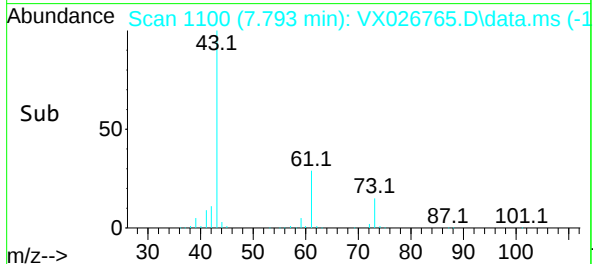
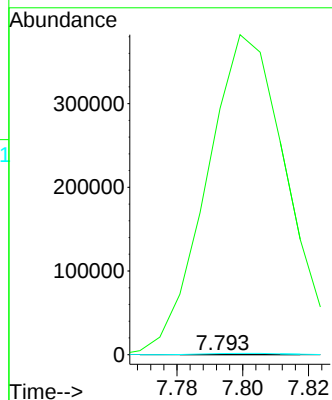
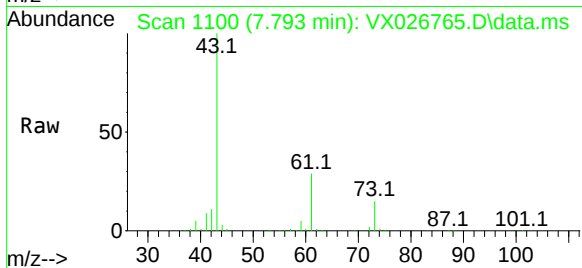
Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

43 1286252.9 29.9 44.9#

58 5229.4 57.8 86.6#



#50

Toluene-d8

Concen: 50.135 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026765.D

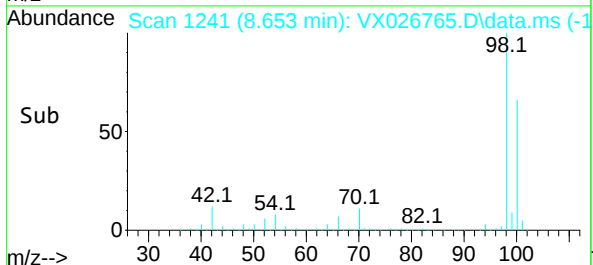
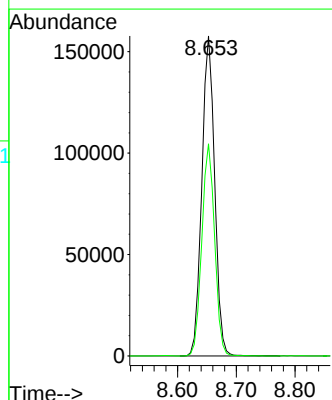
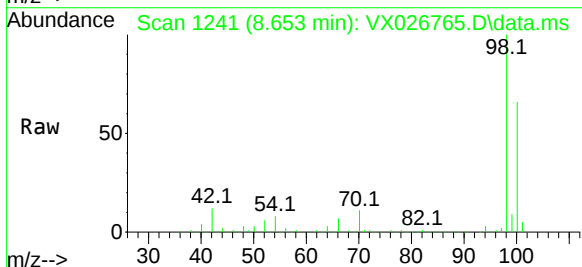
Acq: 03 Feb 2022 17:58

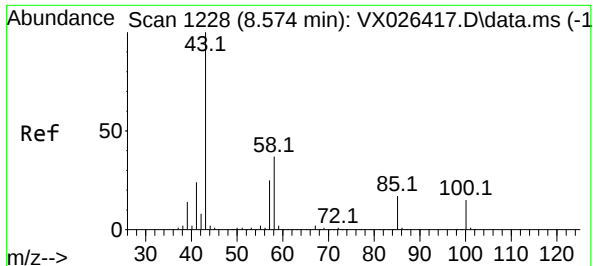
Tgt Ion: 98 Resp: 239655

Ion Ratio Lower Upper

98 100

100 66.2 53.2 79.8

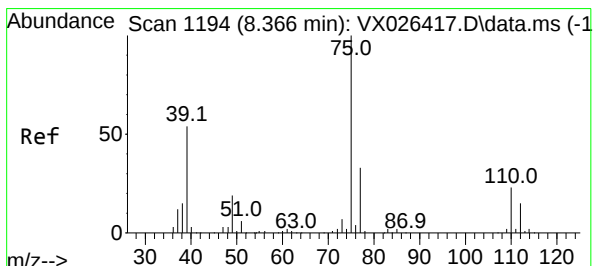
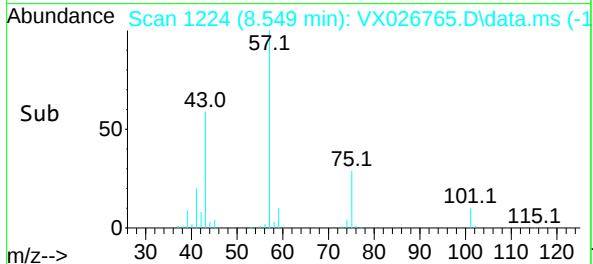
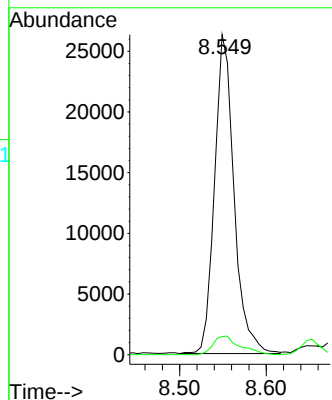
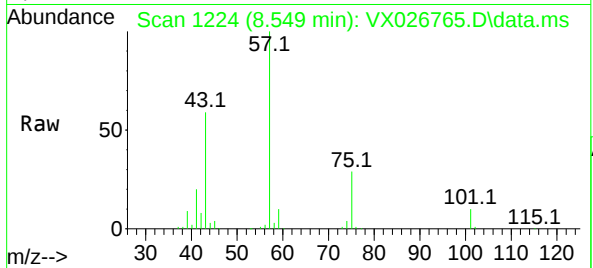




#51
4-Methyl-2-Pentanone
Concen: 20.248 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

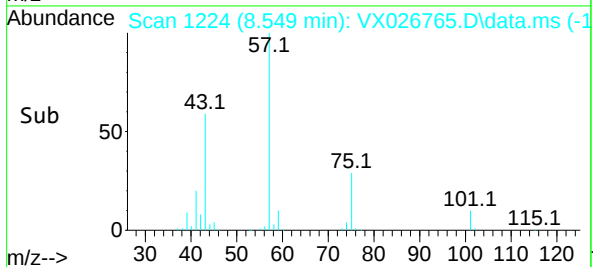
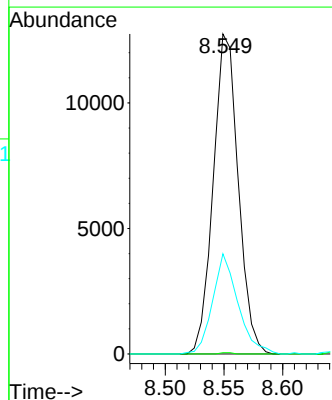
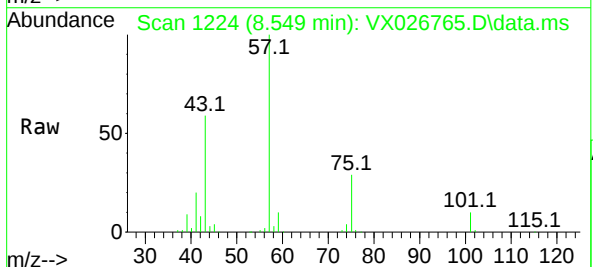
Instrument :
MSVOA_X
ClientSampleId :
F-PHC

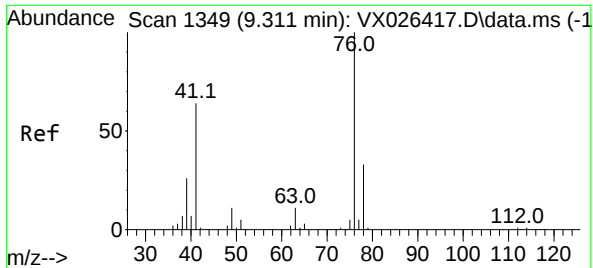
Tgt Ion: 43 Resp: 41095
Ion Ratio Lower Upper
43 100
58 8.0 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 8.533 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

Tgt Ion: 75 Resp: 18861
Ion Ratio Lower Upper
75 100
77 0.4 26.2 39.2#
39 31.3 43.5 65.3#





#57

1,3-Dichloropropane

Concen: 4.606 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX026765.D

Acq: 03 Feb 2022 17:58

Instrument :

MSVOA_X

ClientSampleId :

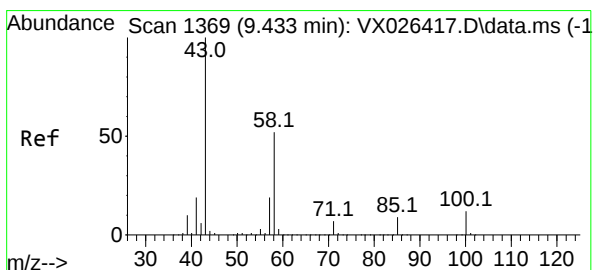
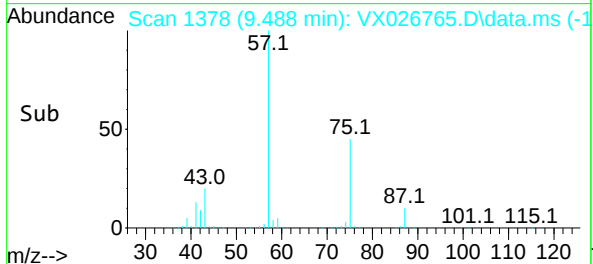
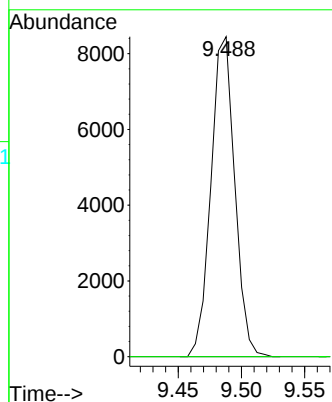
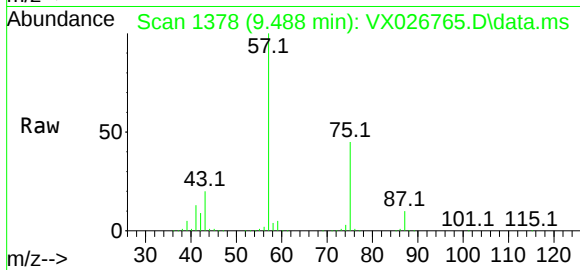
F-PHC

Tgt Ion: 76 Resp: 11060

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 98.881 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX026765.D

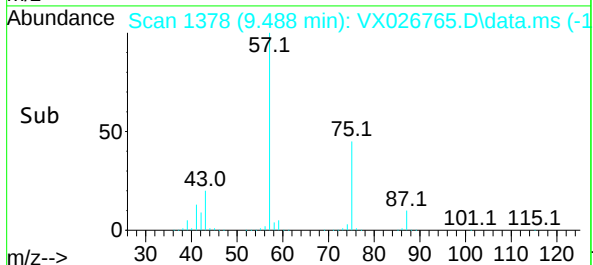
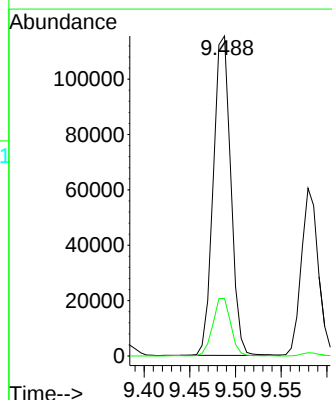
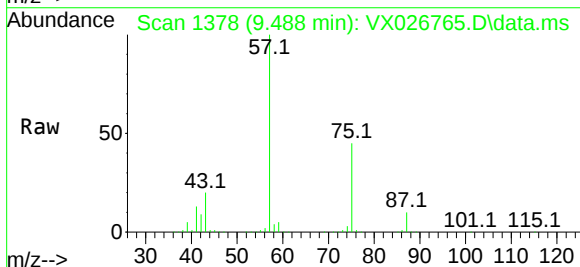
Acq: 03 Feb 2022 17:58

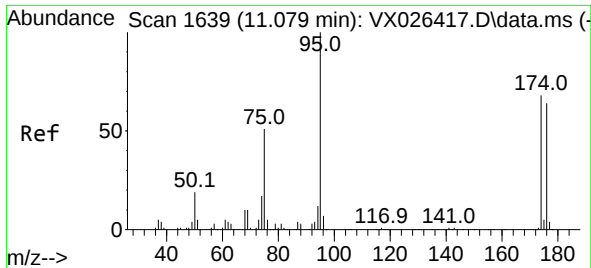
Tgt Ion: 43 Resp: 153603

Ion Ratio Lower Upper

43 100

58 18.5 26.4 79.2#

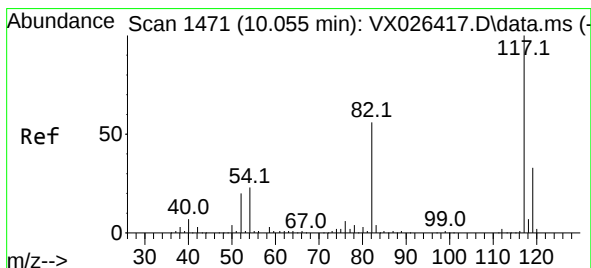
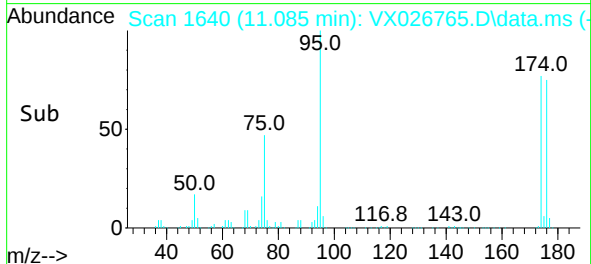
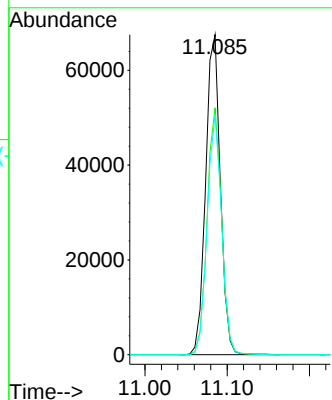
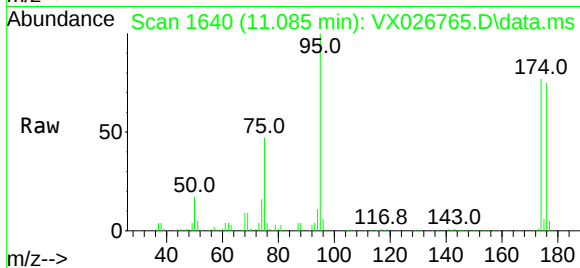




#62
4-Bromofluorobenzene
Concen: 49.355 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

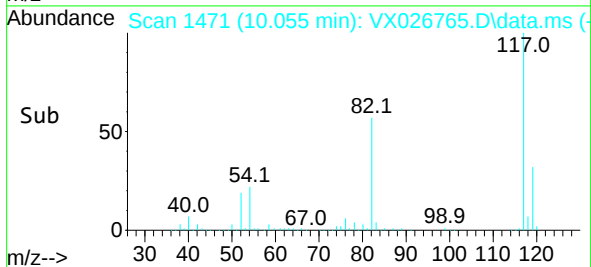
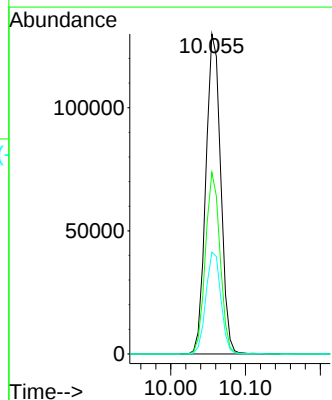
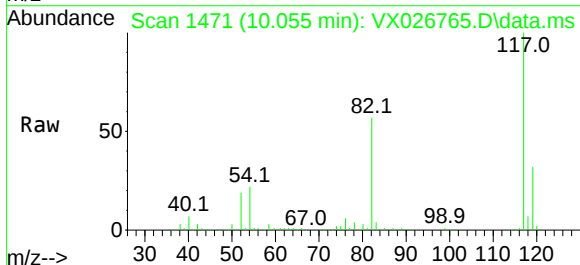
Instrument :
MSVOA_X
ClientSampleId :
F-PHC

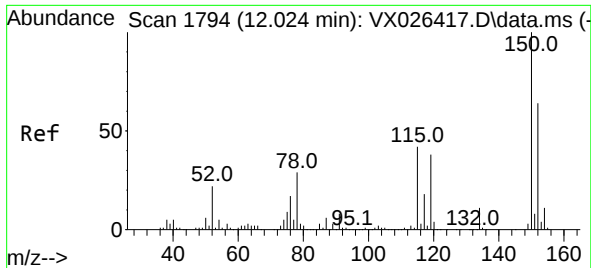
Tgt Ion: 95 Resp: 83810
Ion Ratio Lower Upper
95 100
174 75.9 0.0 148.6
176 73.9 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

Tgt Ion: 117 Resp: 179443
Ion Ratio Lower Upper
117 100
82 56.8 45.2 67.8
119 31.8 26.2 39.2

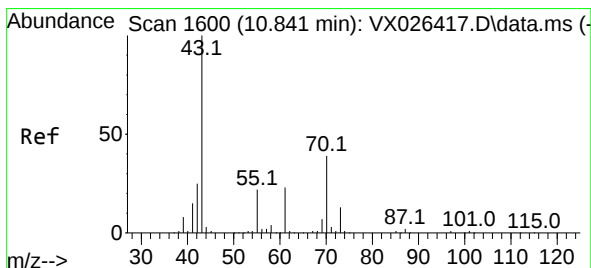
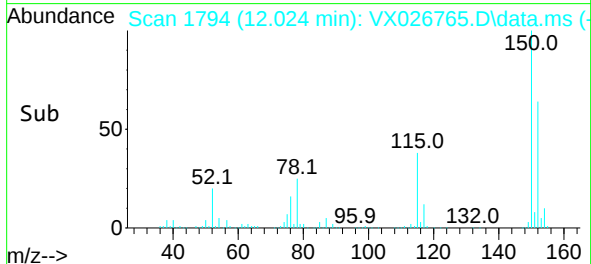
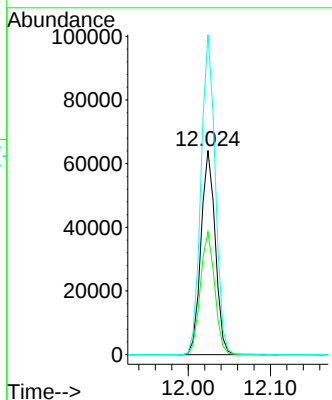
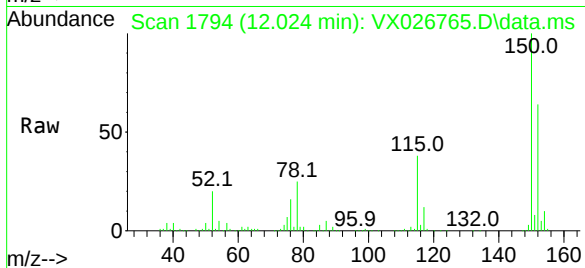




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

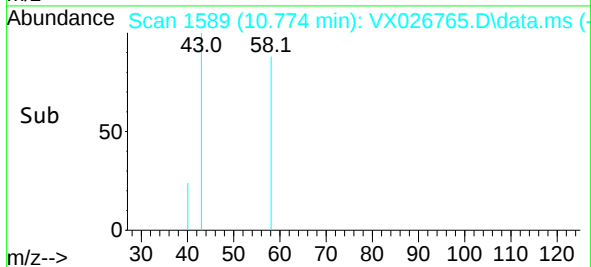
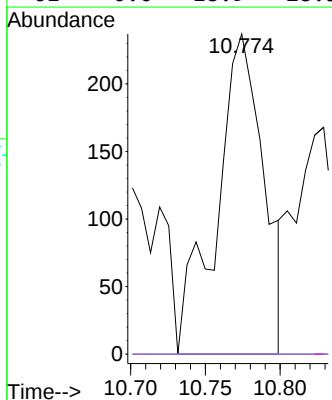
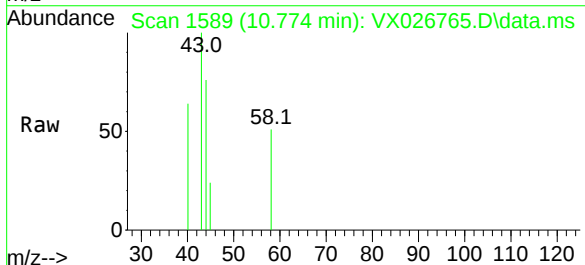
Instrument :
MSVOA_X
ClientSampleId :
F-PHC

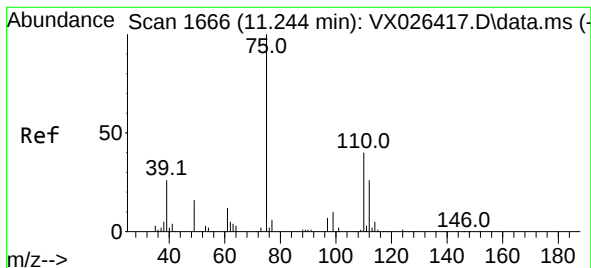
Tgt Ion:152 Resp: 77456
Ion Ratio Lower Upper
152 100
115 60.1 44.2 132.6
150 156.3 0.0 348.2



#74
N-ethyl acetate
Concen: 0.212 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX026765.D
Acq: 03 Feb 2022 17:58

Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 0.0 18.3 27.5#
61 0.0 18.9 28.3#





#76

1,2,3-Trichloropropane

Concen: 23.936 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX026765.D

Acq: 03 Feb 2022 17:58

Instrument :

MSVOA_X

ClientSampleId :

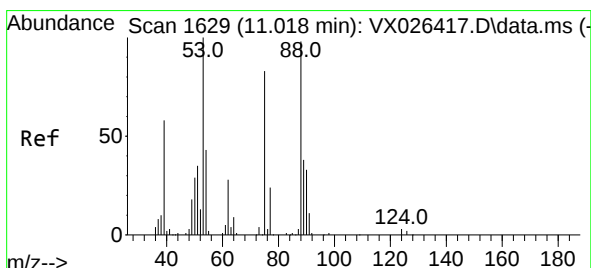
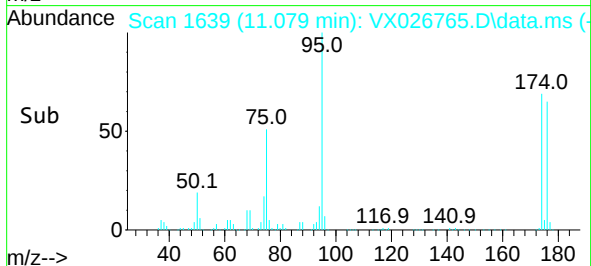
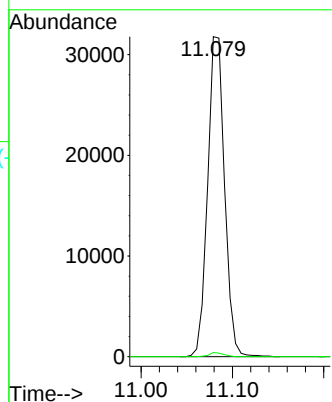
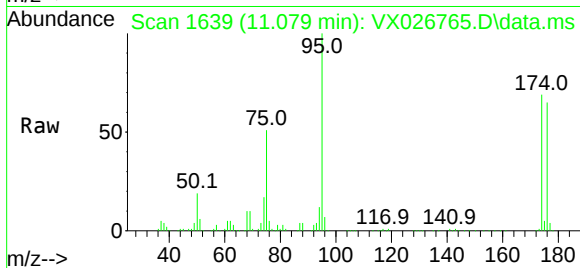
F-PHC

Tgt Ion: 75 Resp: 40821

Ion Ratio Lower Upper

75 100

77 1.1 18.3 54.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.968 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX026765.D

Acq: 03 Feb 2022 17:58

Tgt Ion: 75 Resp: 40821

Ion Ratio Lower Upper

75 100

53 0.0 94.0 141.0#

89 0.0 37.0 55.4#

