

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011722\
 Data File : VX026485.D
 Acq On : 17 Jan 2022 12:58
 Operator : JC/MD
 Sample : N1160-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FMI-114

Quant Time: Jan 18 00:40:55 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)

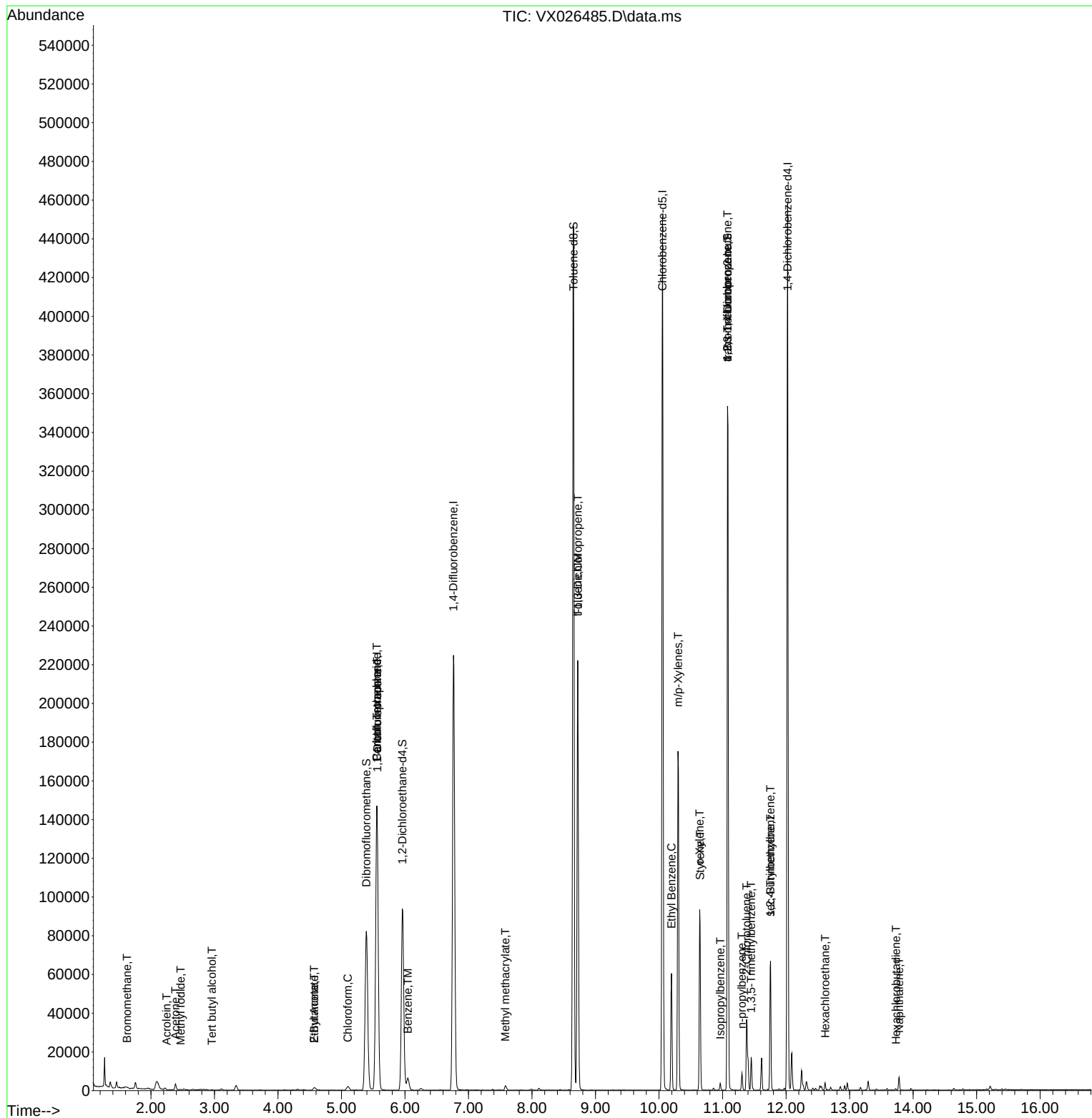
Internal Standards						
1) Pentafluorobenzene	5.556	168	135430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227336	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93019	49.168	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.340%		
35) Dibromofluoromethane	5.391	113	72286	49.239	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.480%		
50) Toluene-d8	8.653	98	264372	49.973	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.940%		
62) 4-Bromofluorobenzene	11.079	95	98429	52.375	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.760%		
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	180	0.254	ug/l	82
10) Methyl Iodide	2.465	142	427	4.689	ug/l #	86
11) Tert butyl alcohol	2.959	59	133	0.505	ug/l #	75
13) Acrolein	2.245	56	58	0.207	ug/l #	14
16) Acetone	2.386	43	3630	3.763	ug/l	99
25) 2-Butanone	4.568	43	2587	2.062	ug/l	95
30) Chloroform	5.099	83	2524	0.851	ug/l	91
36) 1,1-Dichloropropene	5.562	75	10970	4.733	ug/l #	51
37) Ethyl Acetate	4.568	43	2587	1.103	ug/l #	69
38) Carbon Tetrachloride	5.556	117	14166	5.942	ug/l #	16
40) Benzene	6.044	78	7222	1.127	ug/l	93
48) Methyl methacrylate	7.580	41	749	0.399	ug/l #	45
52) Toluene	8.720	92	80671	20.536	ug/l	100
53) t-1,3-Dichloropropene	8.720	75	971	2.263	ug/l #	1
67) Ethyl Benzene	10.195	91	34668	4.564	ug/l	98
68) m/p-Xylenes	10.299	106	40537	14.260	ug/l	98
69) o-Xylene	10.640	106	19411	7.077	ug/l	98
70) Styrene	10.646	104	1216	0.272	ug/l #	1
73) Isopropylbenzene	10.963	105	1919	0.265	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	50735	26.098	ug/l #	40
78) n-propylbenzene	11.305	91	5659	0.686	ug/l	99
79) 2-Chlorotoluene	11.378	91	3467	0.693	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.451	105	7793	1.306	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	50735	79.108	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	29227	4.897	ug/l	100
85) sec-Butylbenzene	11.756	105	29227	4.057	ug/l #	56
90) Hexachloroethane	12.616	117	200	2.367	ug/l #	14
94) Hexachlorobutadiene	13.731	225	190	0.239	ug/l	97
95) Naphthalene	13.780	128	4306	0.686	ug/l	99

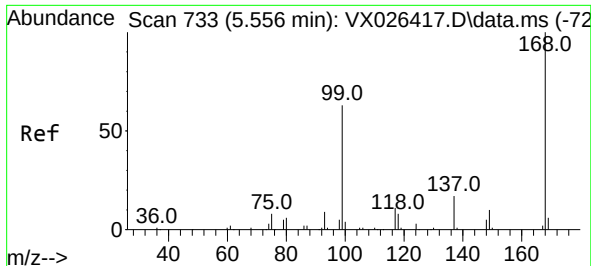
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011722\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

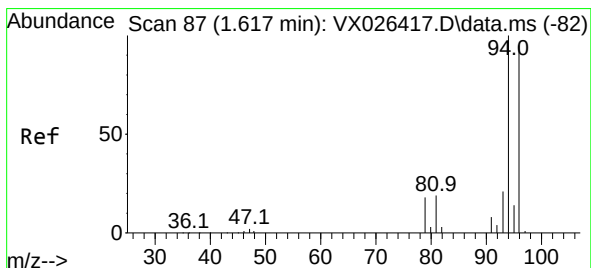
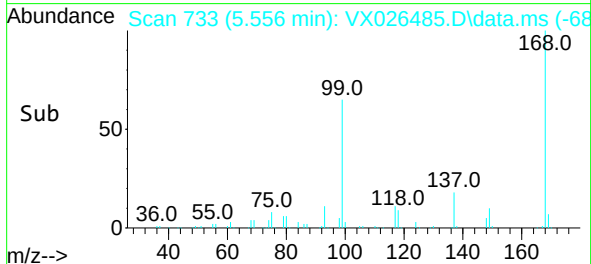
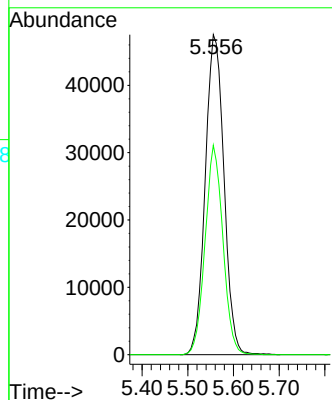
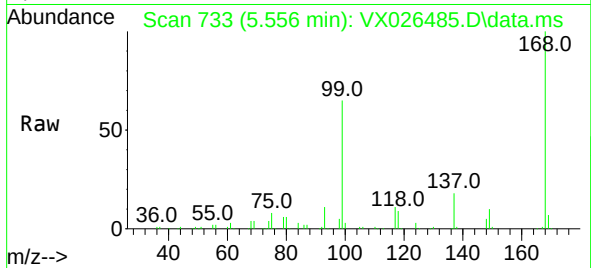




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

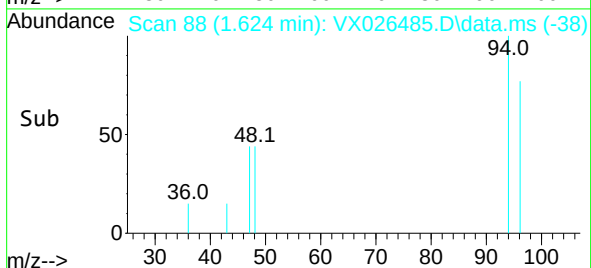
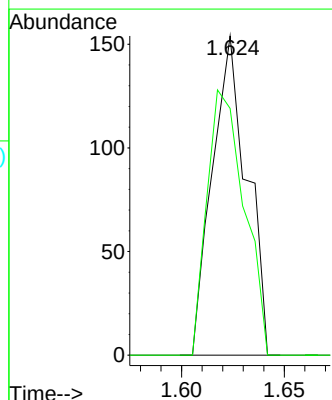
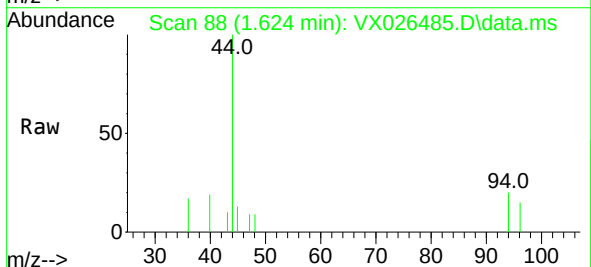
Instrument :
MSVOA_X
ClientSampleId :
FMI-114

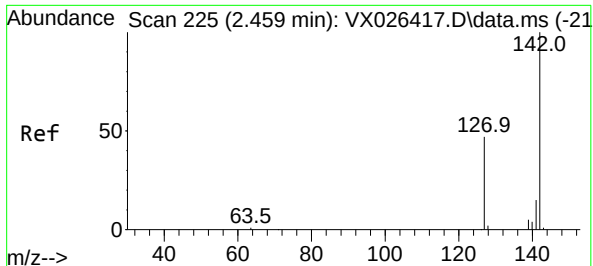
Tgt Ion:168 Resp: 135430
Ion Ratio Lower Upper
168 100
99 65.5 50.3 75.5



#5
Bromomethane
Concen: 0.254 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

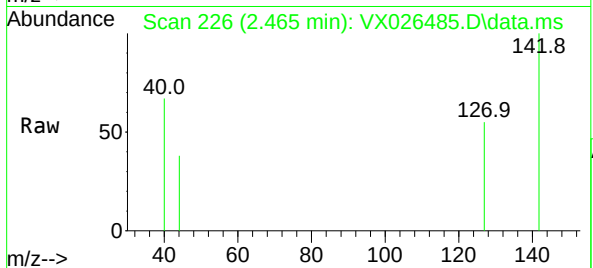
Tgt Ion: 94 Resp: 180
Ion Ratio Lower Upper
94 100
96 77.3 75.9 113.9



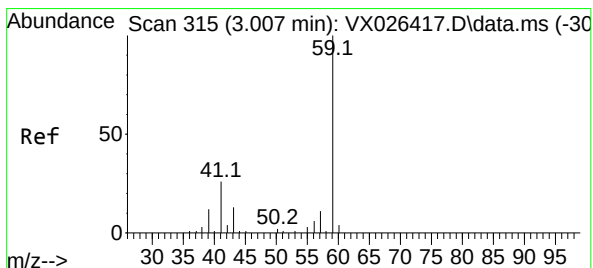
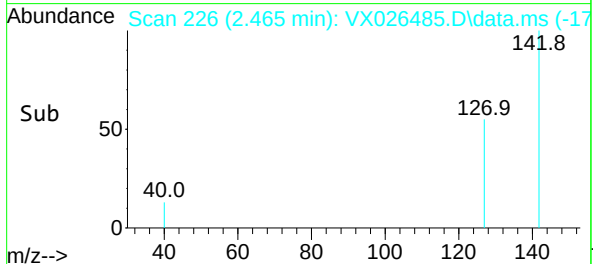
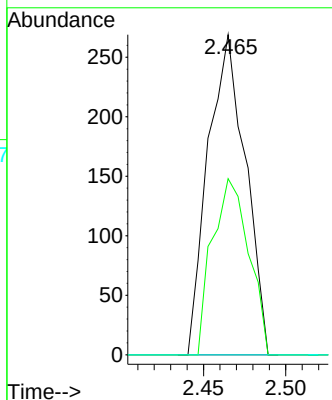


#10
Methyl Iodide
Concen: 4.689 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

Instrument :
MSVOA_X
ClientSampleId :
FMI-114

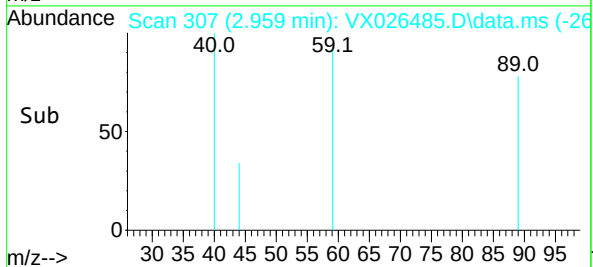
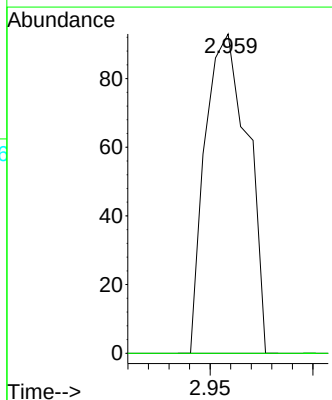
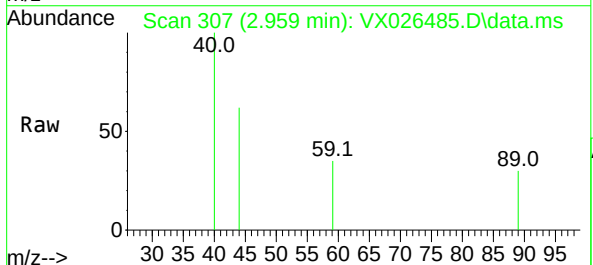


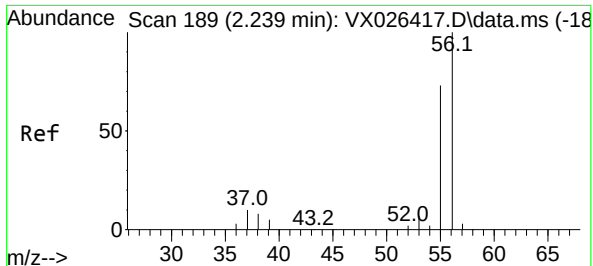
Tgt Ion:142 Resp: 427
Ion Ratio Lower Upper
142 100
127 53.4 38.1 57.1
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.505 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.048 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#13

Acrolein

Concen: 0.207 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX026485.D

Acq: 17 Jan 2022 12:58

Instrument :

MSVOA_X

ClientSampleId :

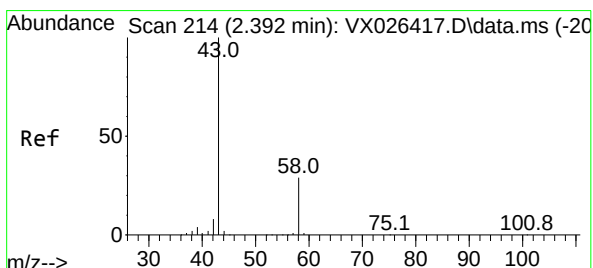
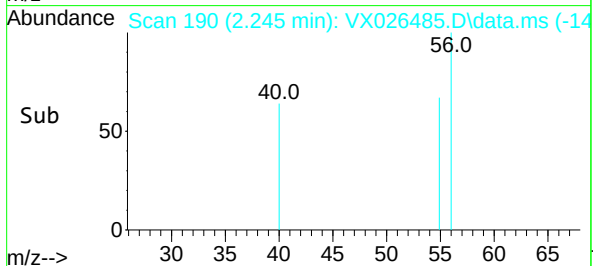
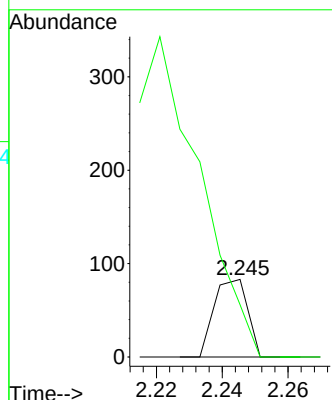
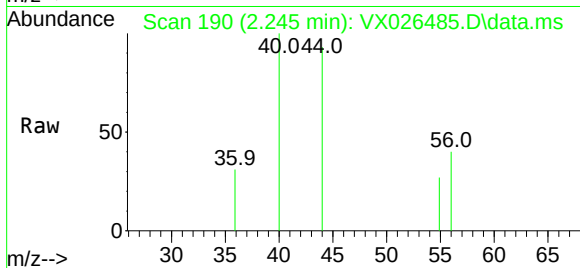
FMI-114

Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 3.763 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX026485.D

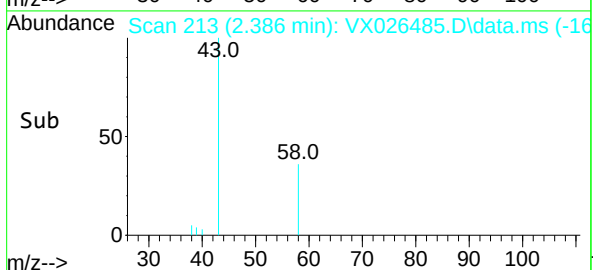
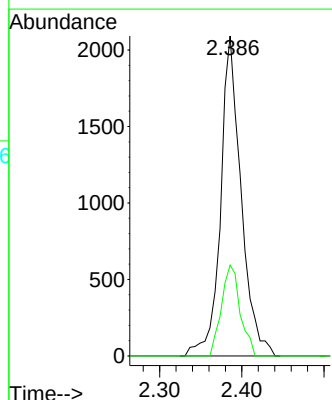
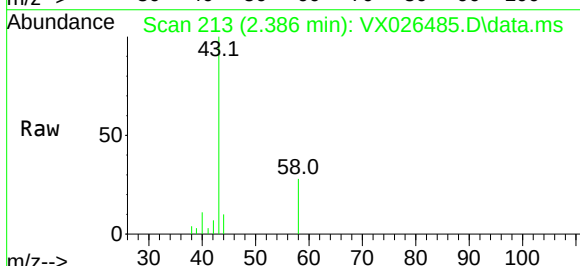
Acq: 17 Jan 2022 12:58

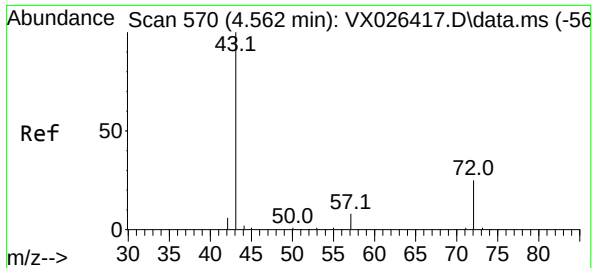
Tgt Ion: 43 Resp: 3630

Ion Ratio Lower Upper

43 100

58 28.4 23.0 34.6

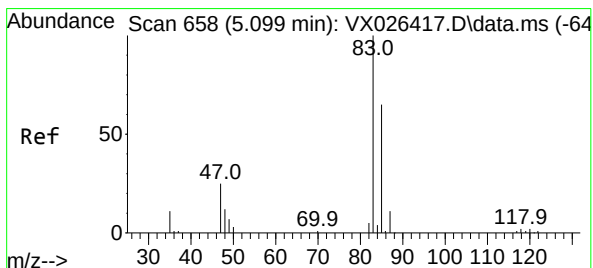
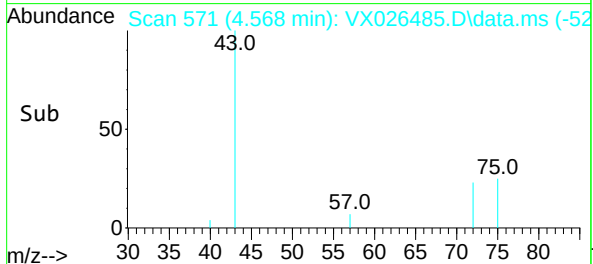
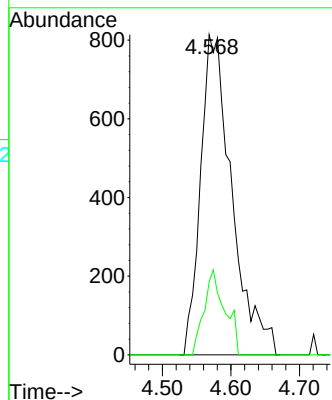
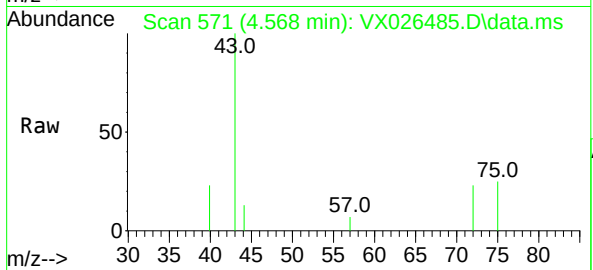




#25
2-Butanone
Concen: 2.062 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

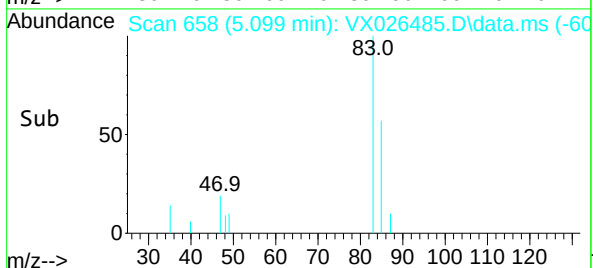
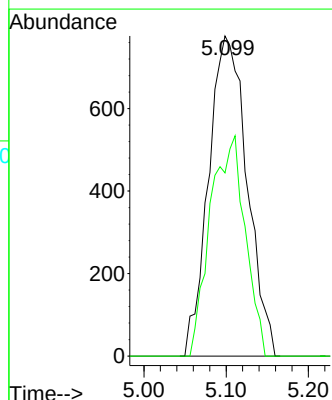
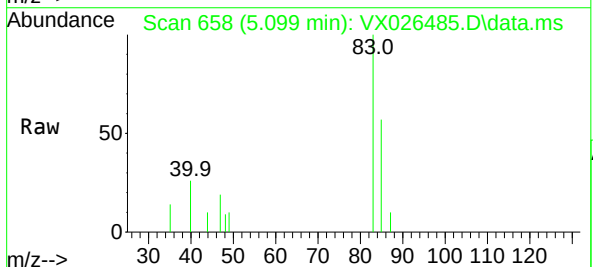
Instrument :
MSVOA_X
ClientSampleId :
FMI-114

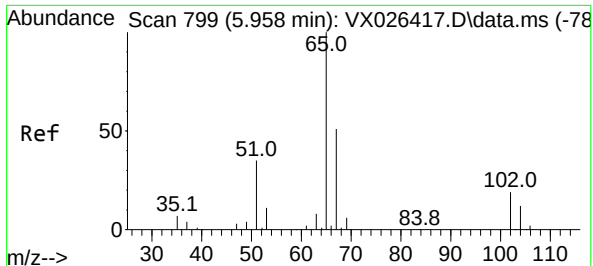
Tgt Ion: 43 Resp: 2587
Ion Ratio Lower Upper
43 100
72 22.9 20.4 30.6



#30
Chloroform
Concen: 0.851 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.000 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

Tgt Ion: 83 Resp: 2524
Ion Ratio Lower Upper
83 100
85 57.2 51.6 77.4





#33

1,2-Dichloroethane-d4

Concen: 49.168 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX026485.D

Acq: 17 Jan 2022 12:58

Instrument :

MSVOA_X

ClientSampleId :

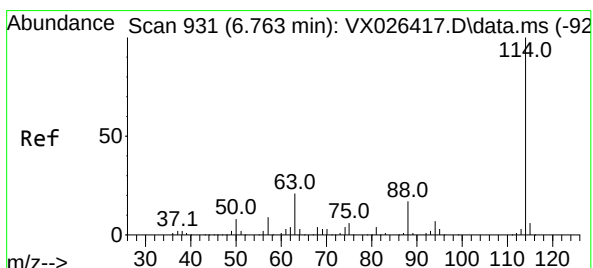
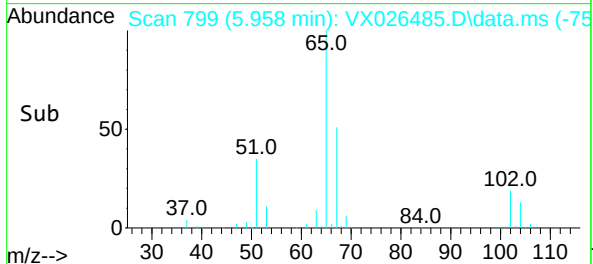
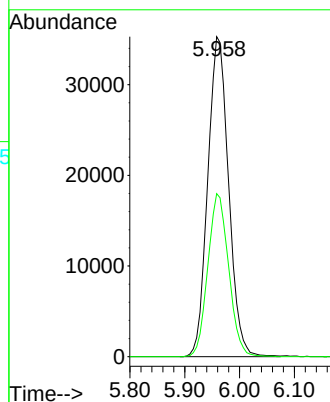
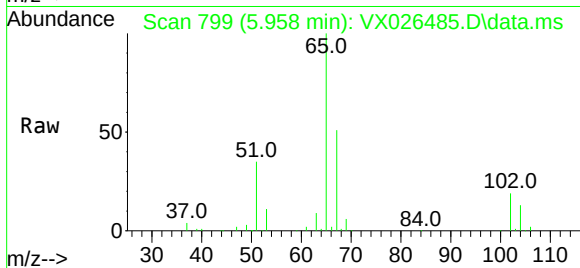
FMI-114

Tgt Ion: 65 Resp: 93019

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX026485.D

Acq: 17 Jan 2022 12:58

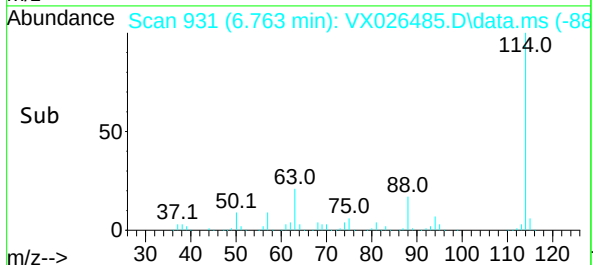
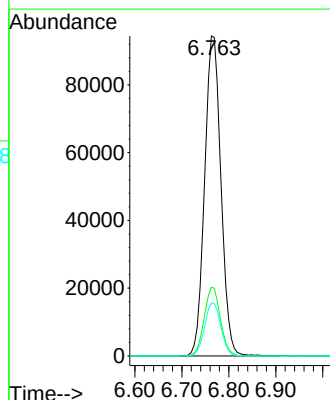
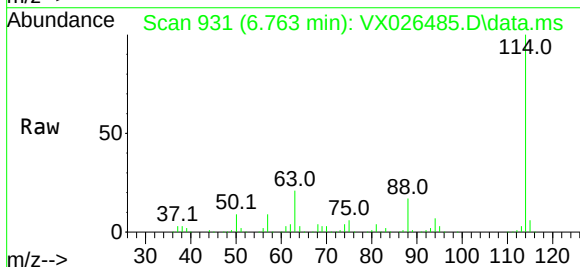
Tgt Ion: 114 Resp: 227336

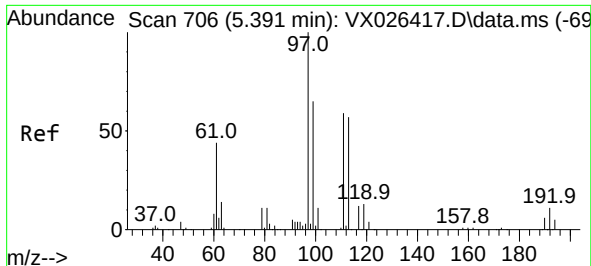
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.8

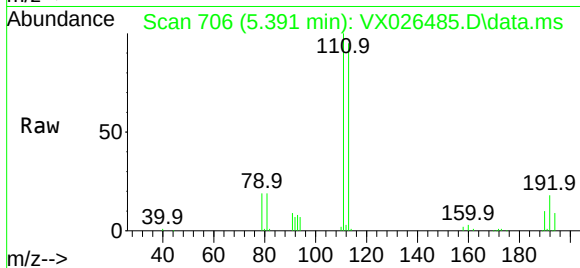
88 16.6 0.0 33.0



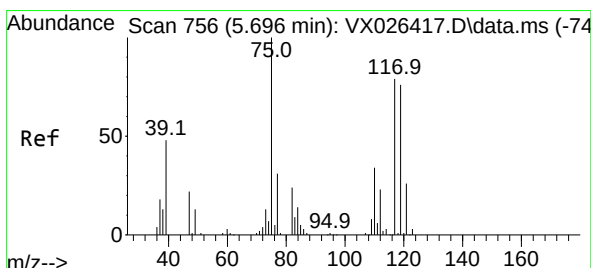
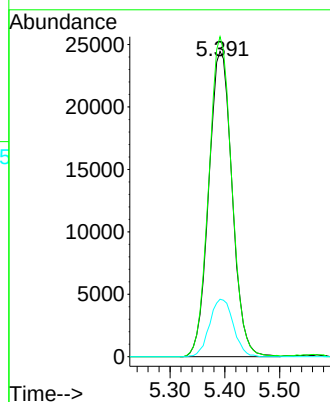
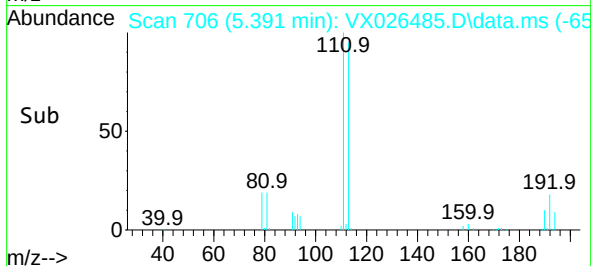


#35
Dibromofluoromethane
Concen: 49.239 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

Instrument :
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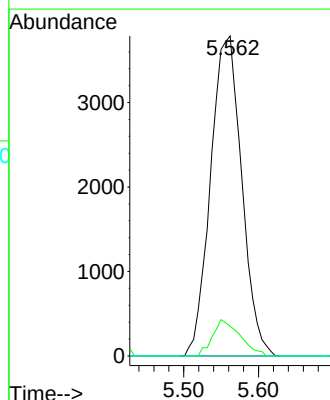
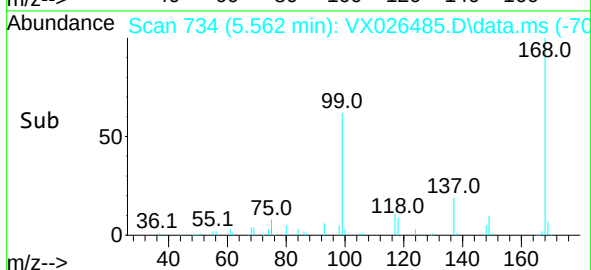
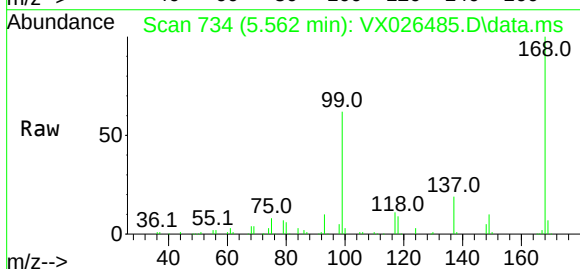


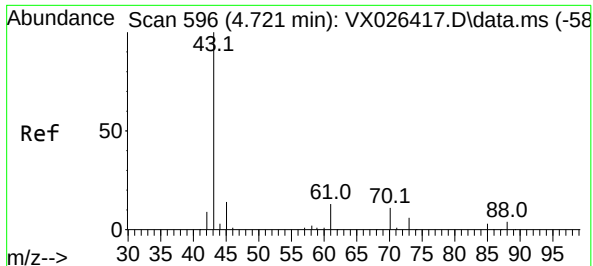
Tgt Ion:113 Resp: 72286
Ion Ratio Lower Upper
113 100
111 103.1 81.2 121.8
192 19.1 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.733 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

Tgt Ion: 75 Resp: 10970
Ion Ratio Lower Upper
75 100
110 10.0 17.2 51.6#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.103 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.152 min

Lab File: VX026485.D

Acq: 17 Jan 2022 12:58

Instrument :

MSVOA_X

ClientSampleId :

FMI-114

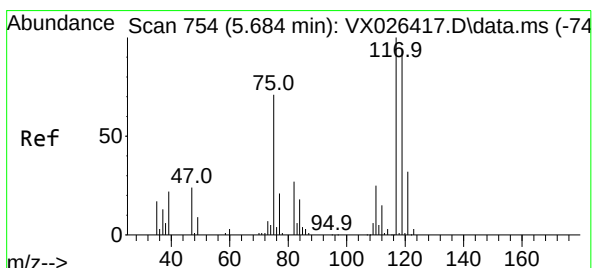
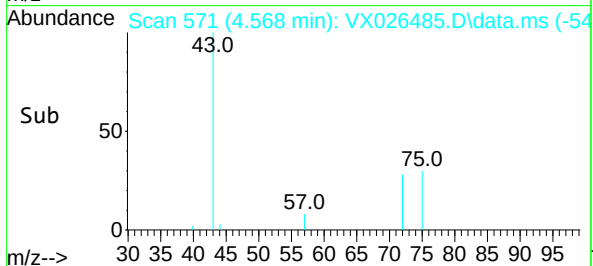
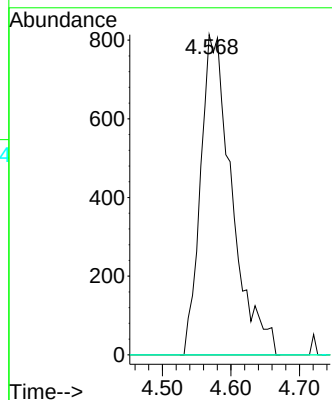
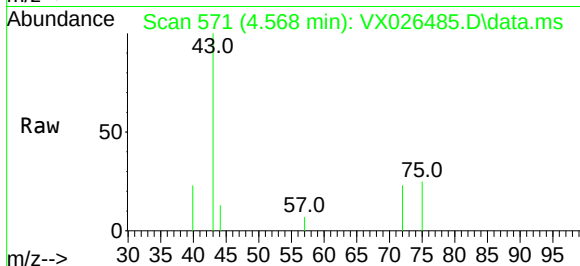
Tgt Ion: 43 Resp: 2587

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 5.942 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX026485.D

Acq: 17 Jan 2022 12:58

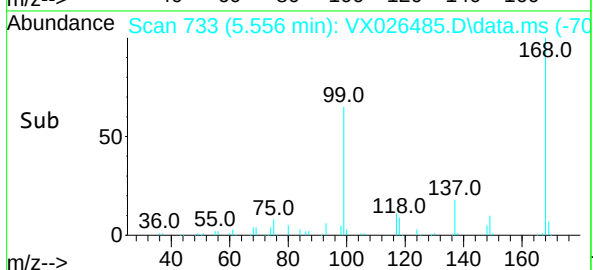
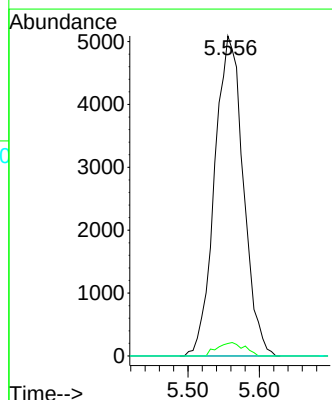
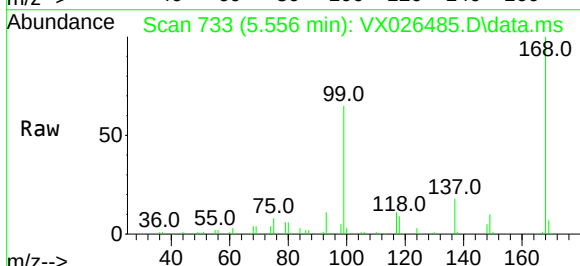
Tgt Ion: 117 Resp: 14166

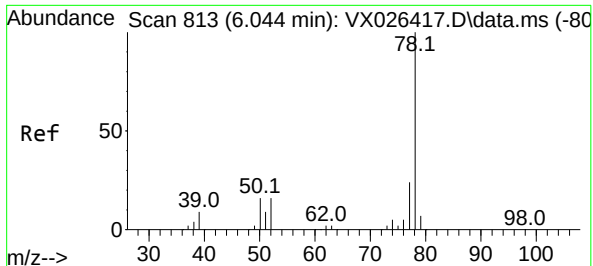
Ion Ratio Lower Upper

117 100

119 3.9 74.7 112.1#

121 0.0 25.4 38.0#

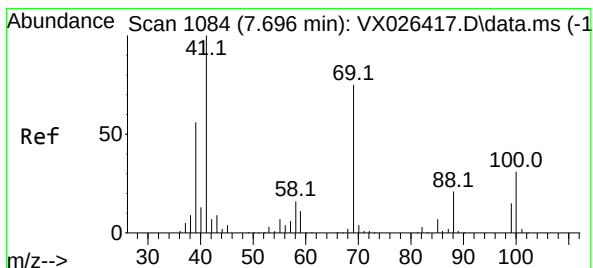
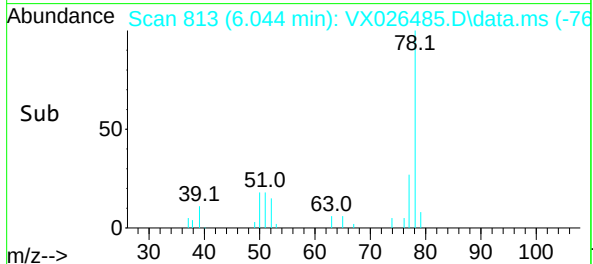
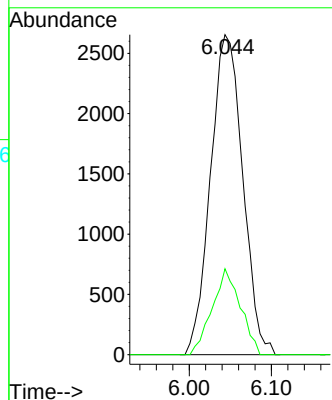
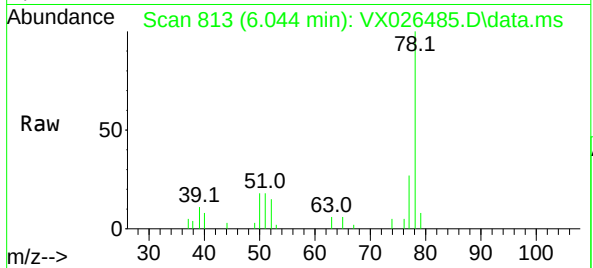




#40
Benzene
Concen: 1.127 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

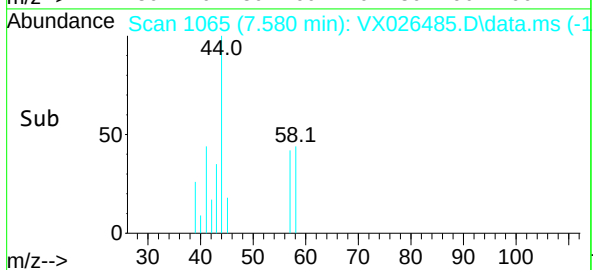
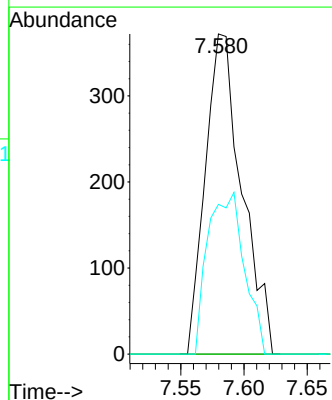
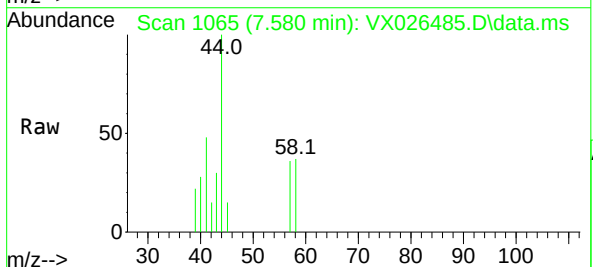
Instrument :
MSVOA_X
ClientSampleId :
FMI-114

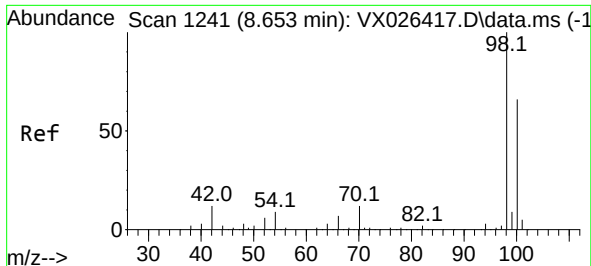
Tgt Ion: 78 Resp: 7222
Ion Ratio Lower Upper
78 100
77 26.9 18.9 28.3



#48
Methyl methacrylate
Concen: 0.399 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.116 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

Tgt Ion: 41 Resp: 749
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 50.5 45.4 68.0

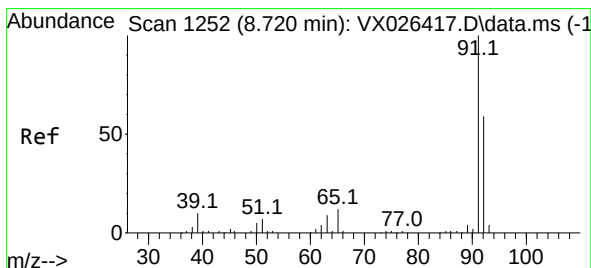
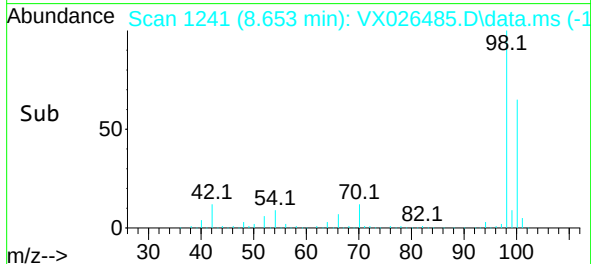
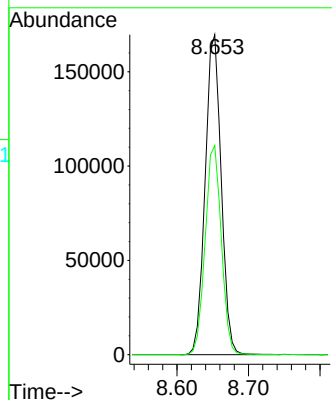
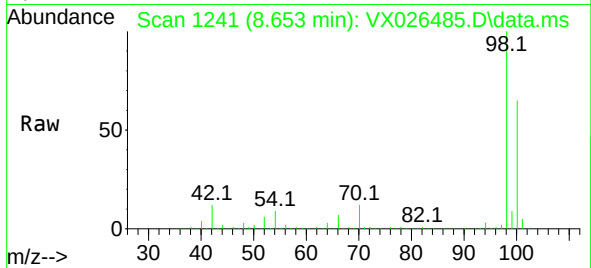




#50
Toluene-d8
Concen: 49.973 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

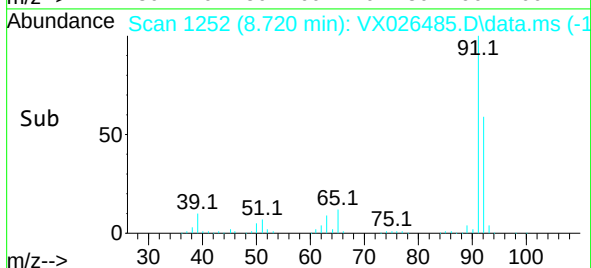
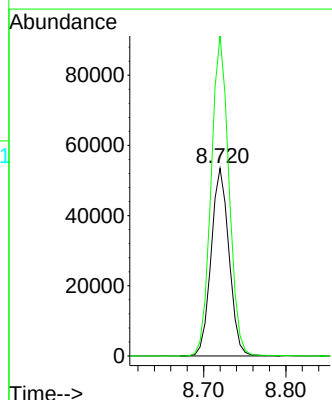
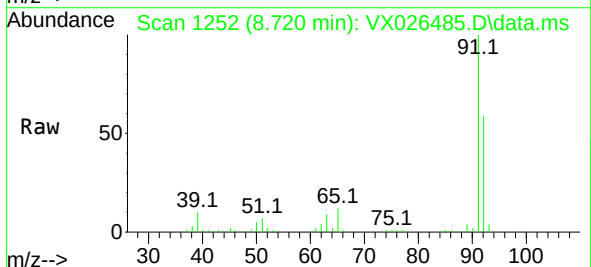
Instrument :
MSVOA_X
ClientSampleId :
FMI-114

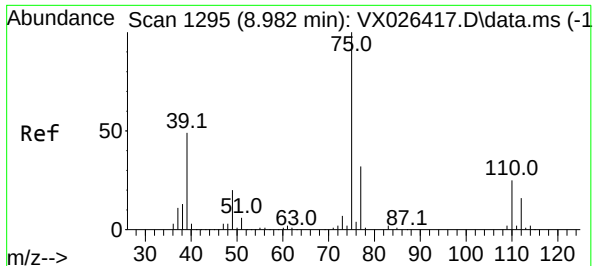
Tgt Ion: 98 Resp: 264372
Ion Ratio Lower Upper
98 100
100 65.9 53.2 79.8



#52
Toluene
Concen: 20.536 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

Tgt Ion: 92 Resp: 80671
Ion Ratio Lower Upper
92 100
91 170.0 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 2.263 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.262 min

Lab File: VX026485.D

Acq: 17 Jan 2022 12:58

Instrument :

MSVOA_X

ClientSampleId :

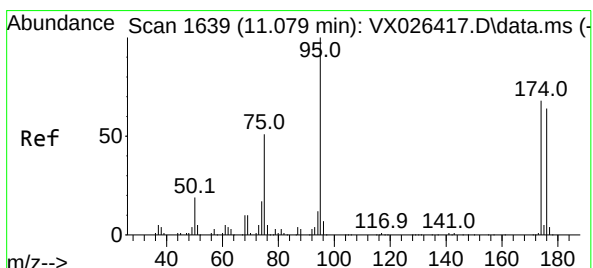
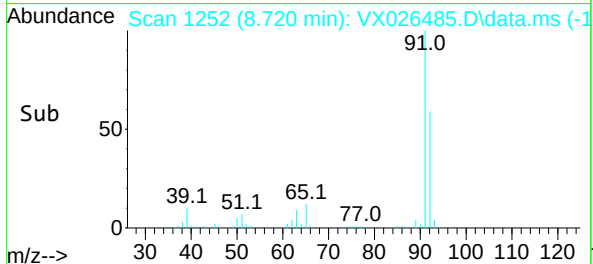
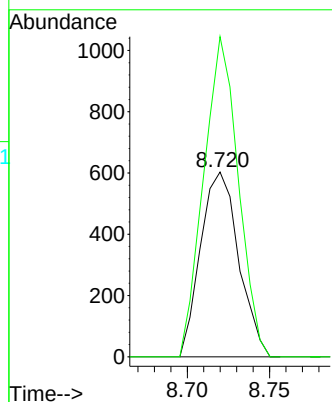
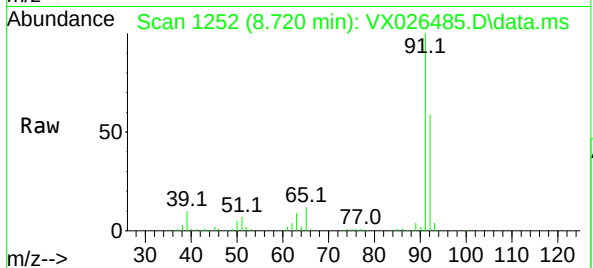
FMI-114

Tgt Ion: 75 Resp: 971

Ion Ratio Lower Upper

75 100

77 173.3 25.7 38.5#



#62

4-Bromofluorobenzene

Concen: 52.375 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX026485.D

Acq: 17 Jan 2022 12:58

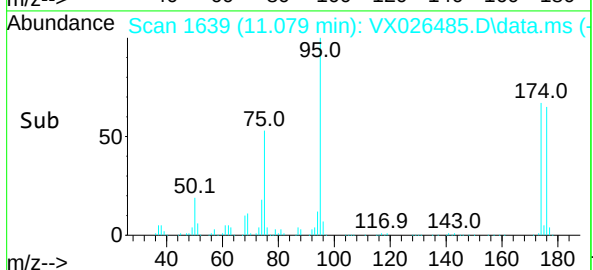
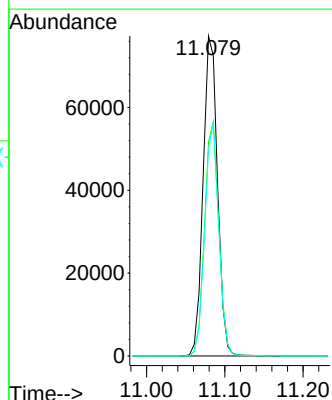
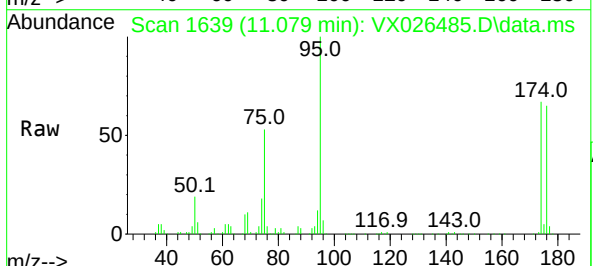
Tgt Ion: 95 Resp: 98429

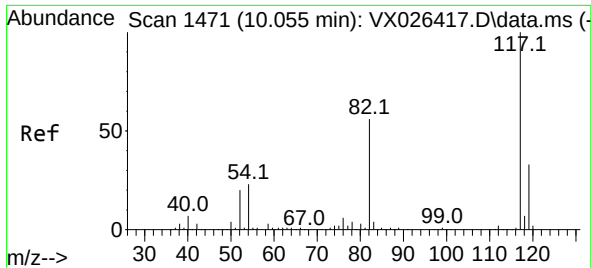
Ion Ratio Lower Upper

95 100

174 72.7 0.0 148.6

176 70.7 0.0 141.4

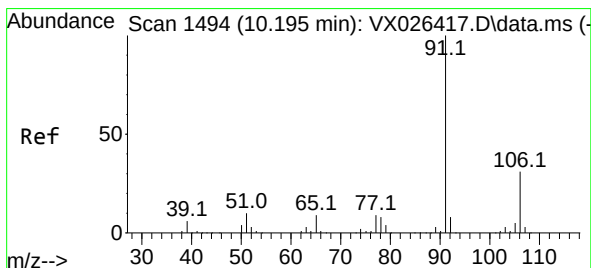
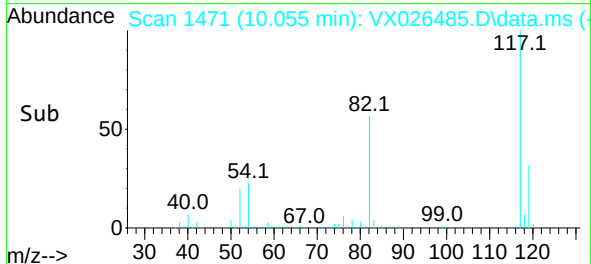
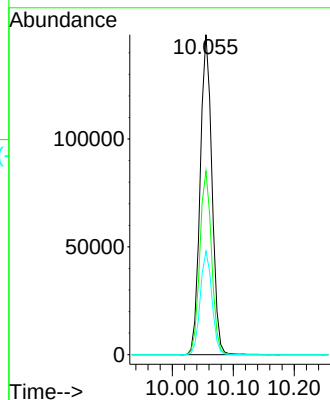
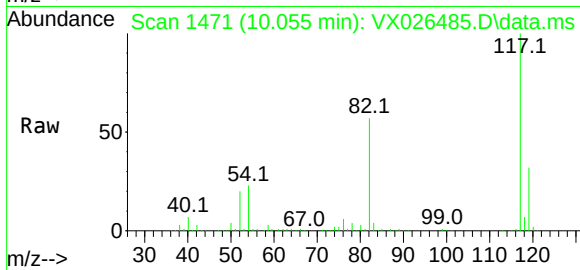




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

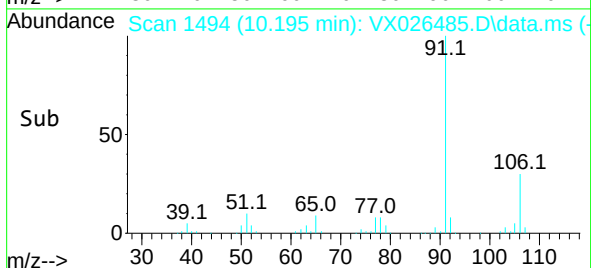
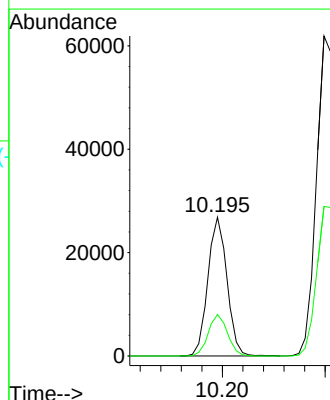
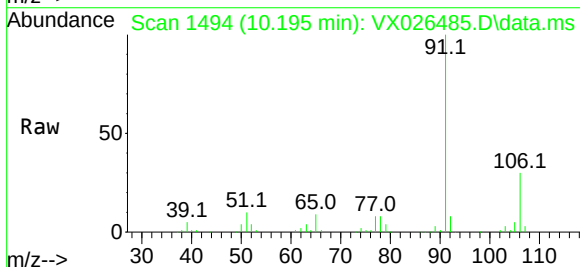
Instrument :
MSVOA_X
ClientSampleId :
FMI-114

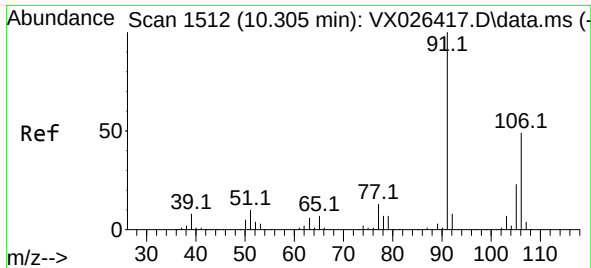
Tgt Ion:117 Resp: 198497
Ion Ratio Lower Upper
117 100
82 57.4 45.2 67.8
119 32.3 26.2 39.2



#67
Ethyl Benzene
Concen: 4.564 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

Tgt Ion: 91 Resp: 34668
Ion Ratio Lower Upper
91 100
106 29.9 24.7 37.1

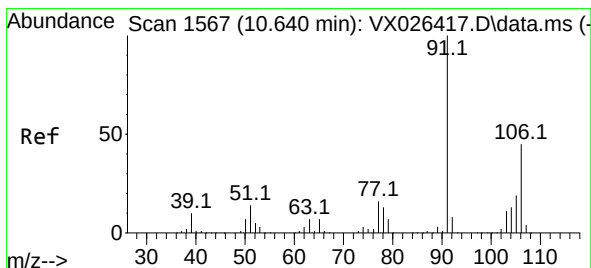
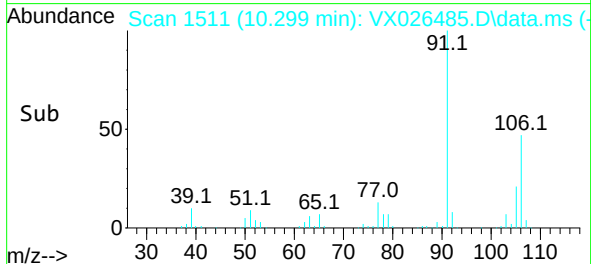
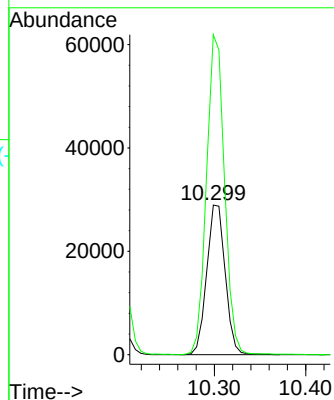
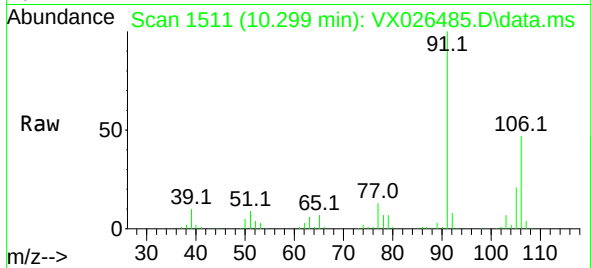




#68
m/p-Xylenes
Concen: 14.260 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

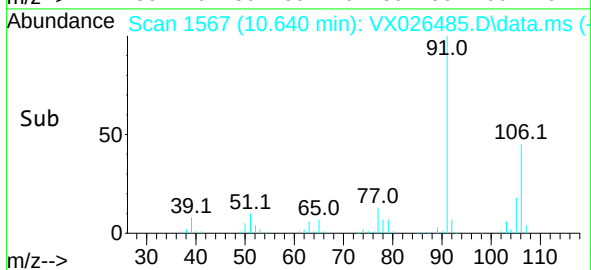
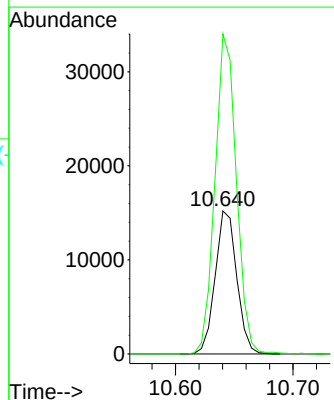
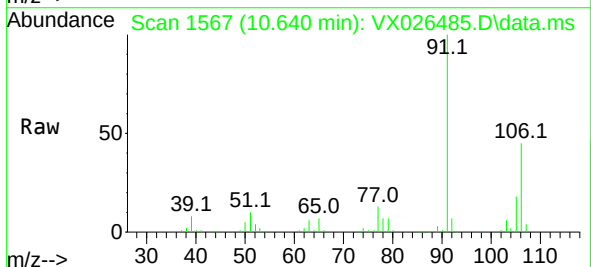
Instrument :
MSVOA_X
ClientSampleId :
FMI-114

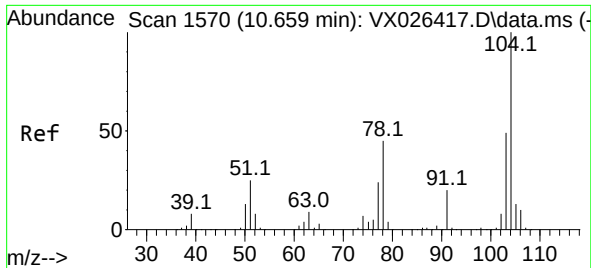
Tgt Ion:106 Resp: 40537
Ion Ratio Lower Upper
106 100
91 209.0 165.3 247.9



#69
o-Xylene
Concen: 7.077 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

Tgt Ion:106 Resp: 19411
Ion Ratio Lower Upper
106 100
91 222.2 109.7 329.0

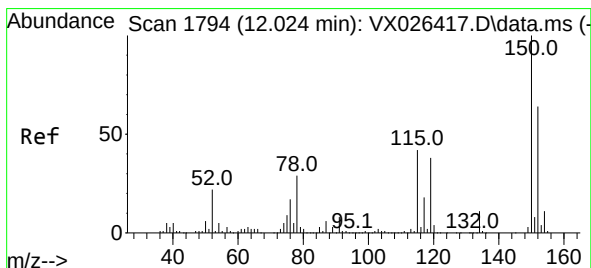
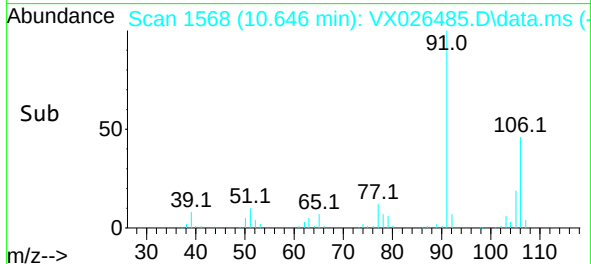
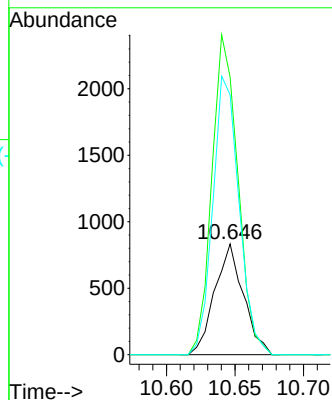
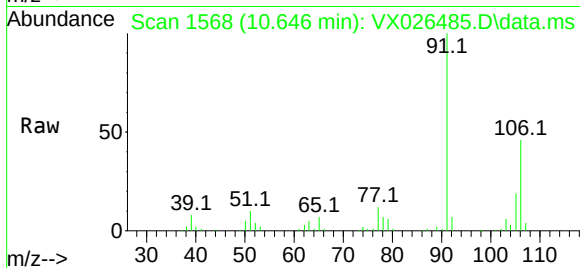




#70
Styrene
Concen: 0.272 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.012 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

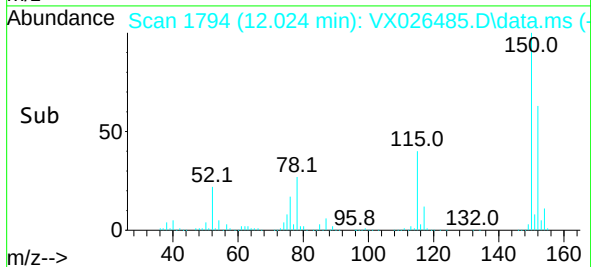
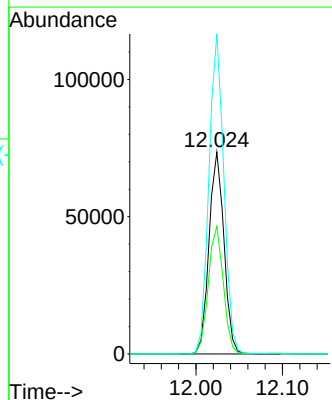
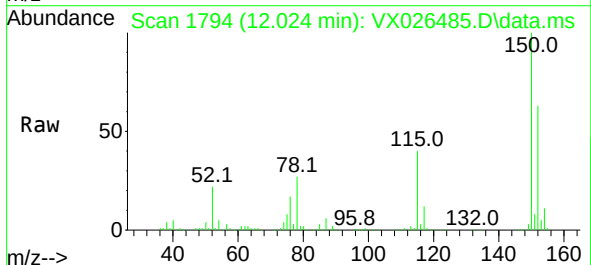
Instrument :
MSVOA_X
ClientSampleId :
FMI-114

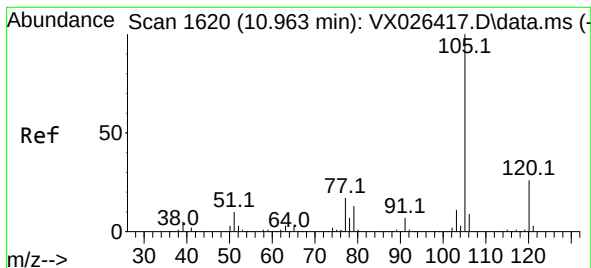
Tgt Ion:104 Resp: 1216
Ion Ratio Lower Upper
104 100
78 260.2 42.5 63.7#
103 229.2 43.3 64.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

Tgt Ion:152 Resp: 88294
Ion Ratio Lower Upper
152 100
115 63.2 44.2 132.6
150 157.8 0.0 348.2





#73

Isopropylbenzene

Concen: 0.265 ug/l

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX026485.D

Acq: 17 Jan 2022 12:58

Instrument :

MSVOA_X

ClientSampleId :

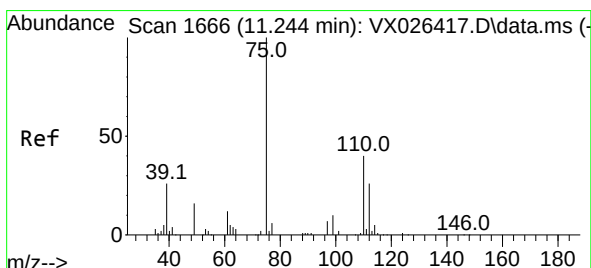
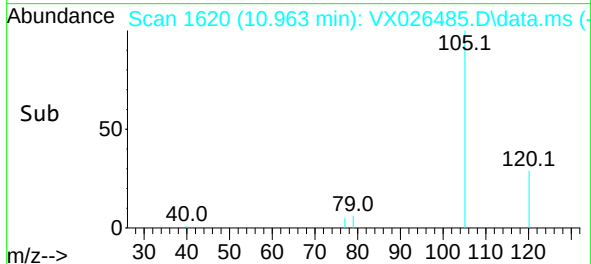
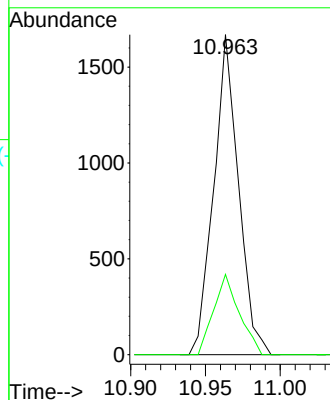
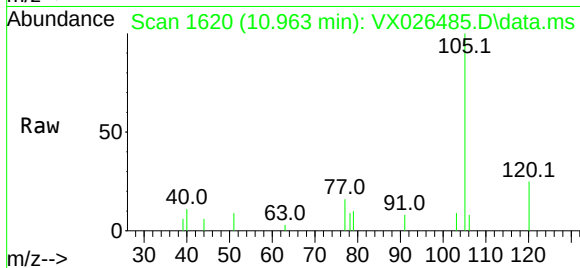
FMI-114

Tgt Ion:105 Resp: 1919

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1



#76

1,2,3-Trichloropropane

Concen: 26.098 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX026485.D

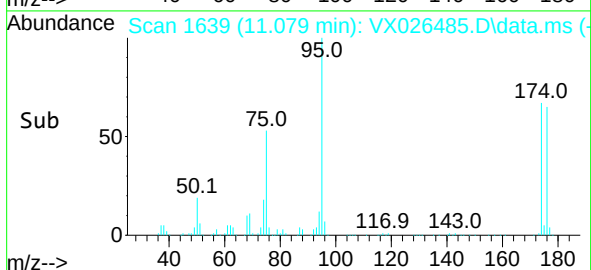
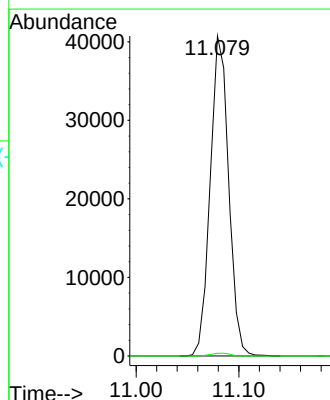
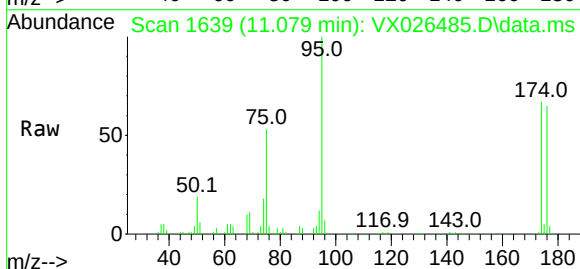
Acq: 17 Jan 2022 12:58

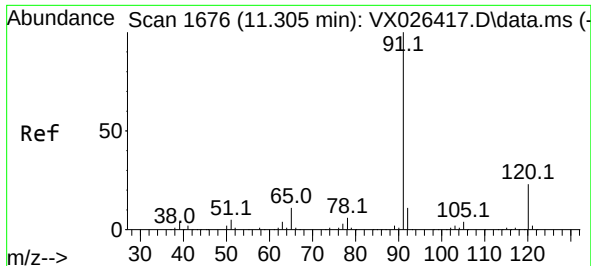
Tgt Ion: 75 Resp: 50735

Ion Ratio Lower Upper

75 100

77 0.9 18.3 54.8#

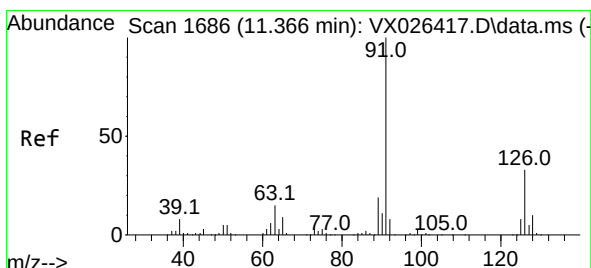
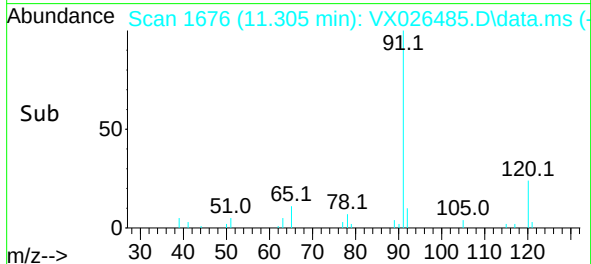
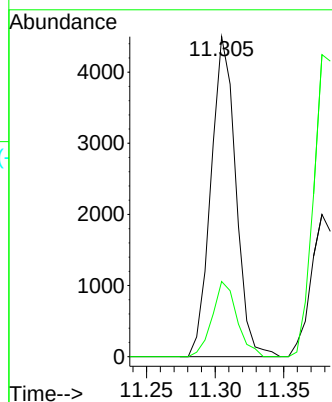
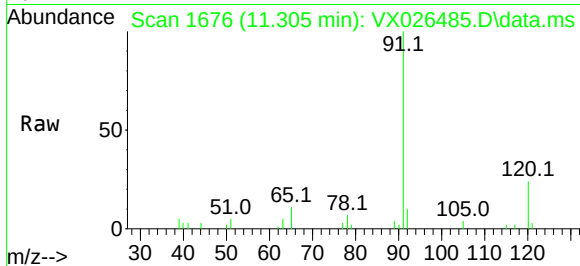




#78
n-propylbenzene
Concen: 0.686 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

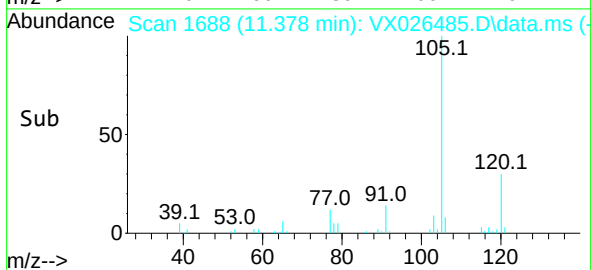
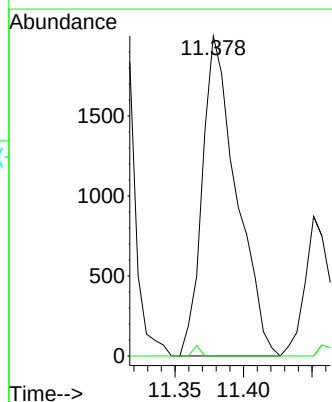
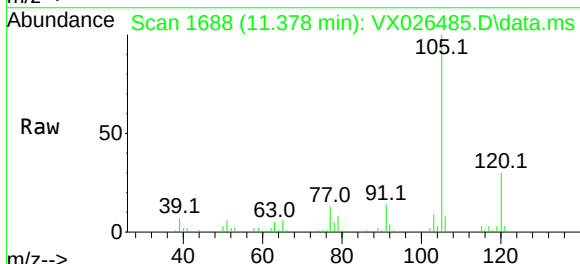
Instrument :
MSVOA_X
ClientSampleId :
FMI-114

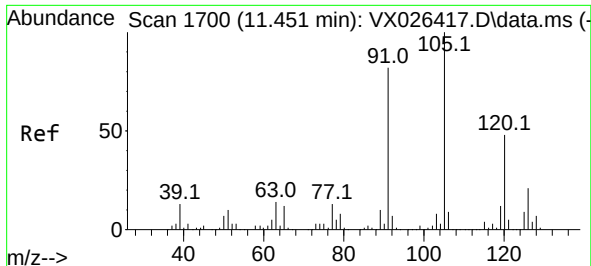
Tgt Ion: 91 Resp: 5659
Ion Ratio Lower Upper
91 100
120 23.5 11.6 34.7



#79
2-Chlorotoluene
Concen: 0.693 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.012 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

Tgt Ion: 91 Resp: 3467
Ion Ratio Lower Upper
91 100
126 0.7 16.4 49.2#

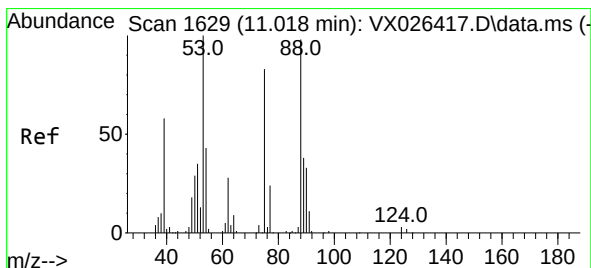
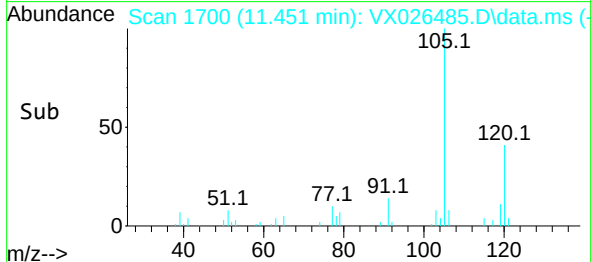
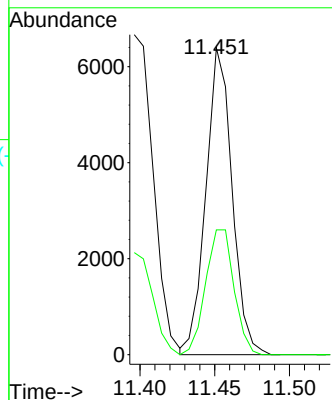
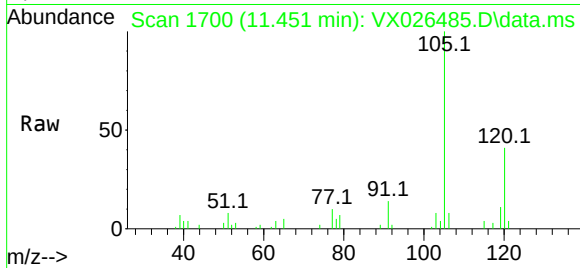




#80
1,3,5-Trimethylbenzene
Concen: 1.306 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

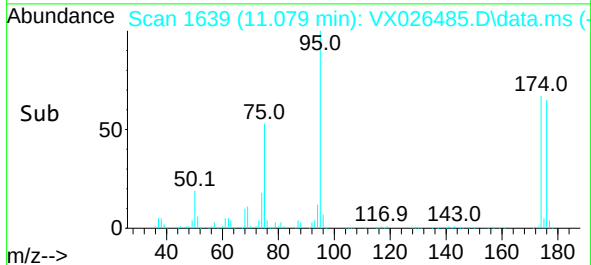
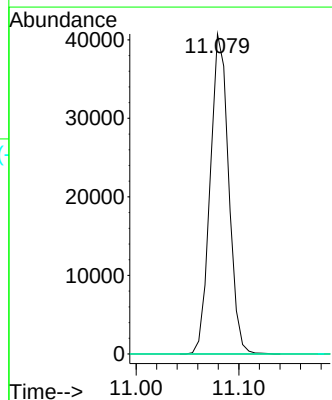
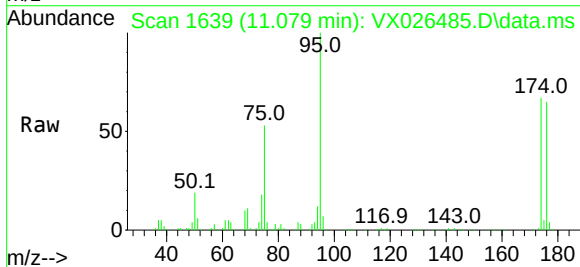
Instrument :
MSVOA_X
ClientSampleId :
FMI-114

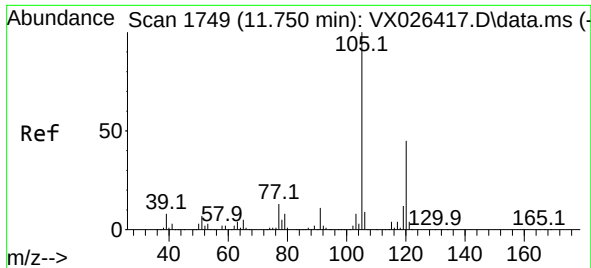
Tgt Ion:105 Resp: 7793
Ion Ratio Lower Upper
105 100
120 44.2 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 79.108 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

Tgt Ion: 75 Resp: 50735
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

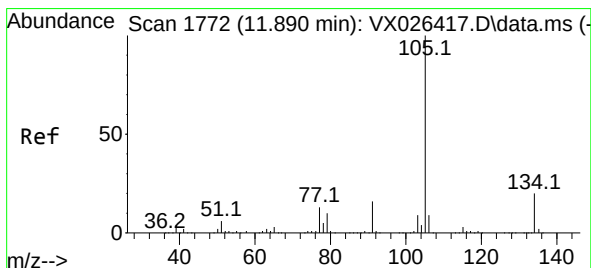
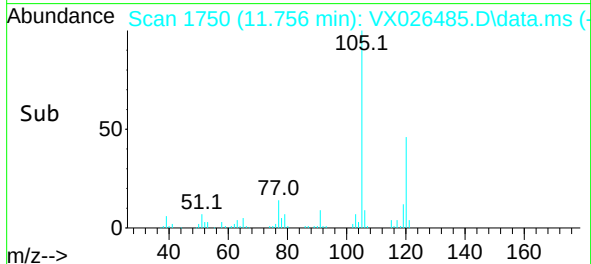
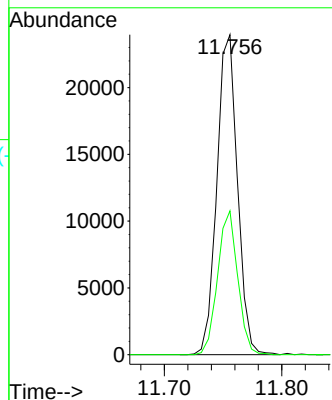
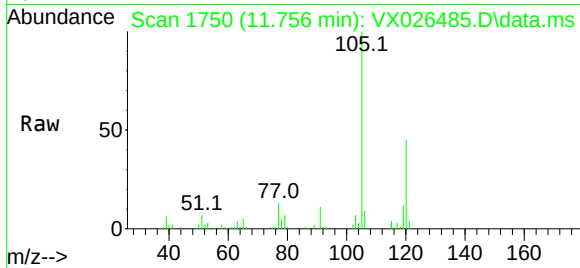




#84
1,2,4-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

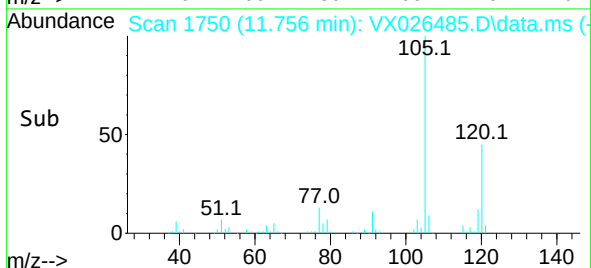
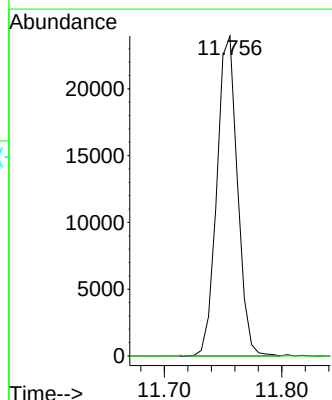
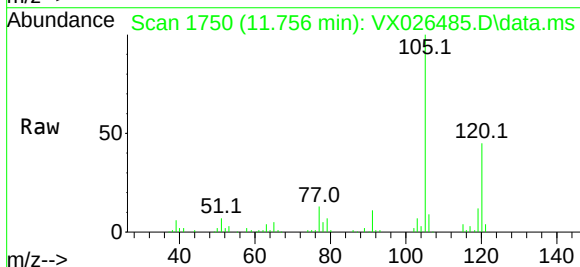
Instrument :
MSVOA_X
ClientSampleId :
FMI-114

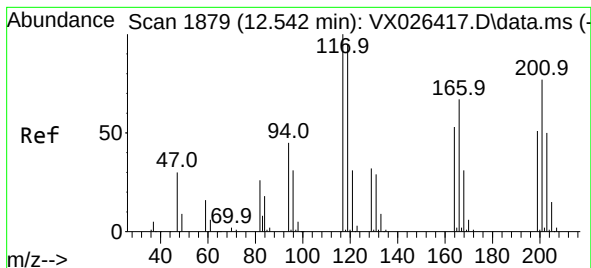
Tgt Ion:105 Resp: 29227
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.5



#85
sec-Butylbenzene
Concen: 4.057 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX026485.D
Acq: 17 Jan 2022 12:58

Tgt Ion:105 Resp: 29227
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#





#90

Hexachloroethane

Concen: 2.367 ug/l

RT: 12.616 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX026485.D

Acq: 17 Jan 2022 12:58

Instrument :

MSVOA_X

ClientSampleId :

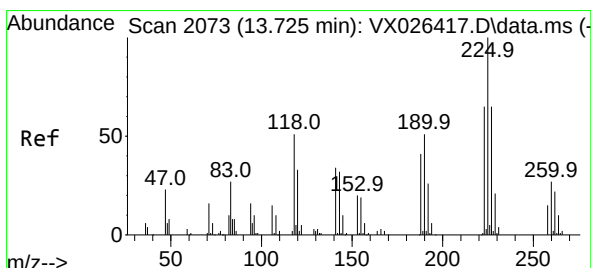
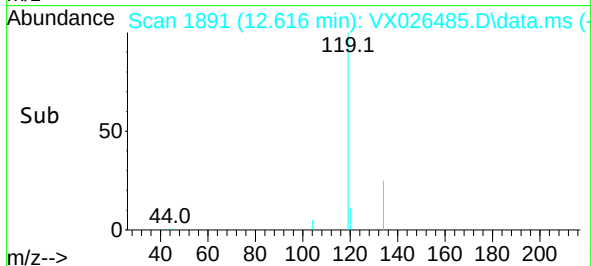
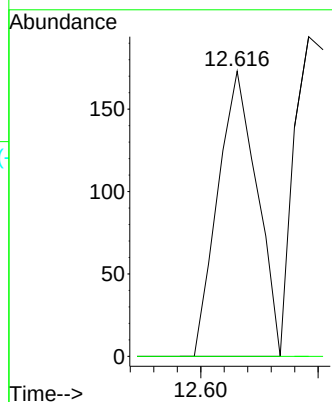
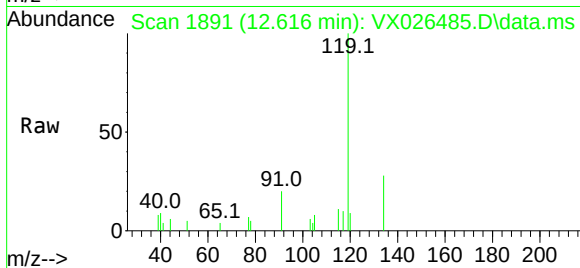
FMI-114

Tgt Ion:117 Resp: 200

Ion Ratio Lower Upper

117 100

201 0.0 35.6 106.8#



#94

Hexachlorobutadiene

Concen: 0.239 ug/l

RT: 13.731 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VX026485.D

Acq: 17 Jan 2022 12:58

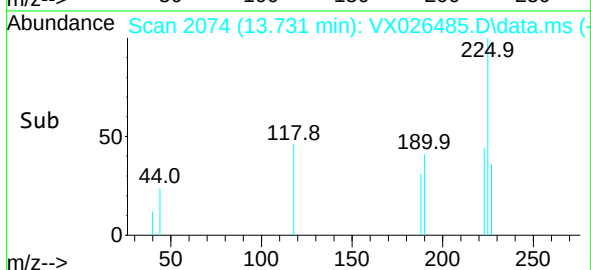
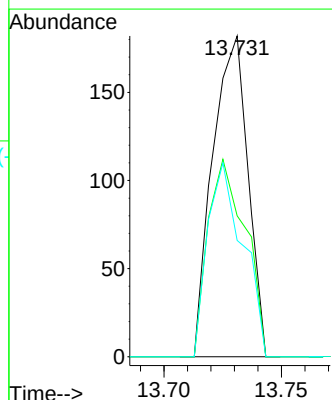
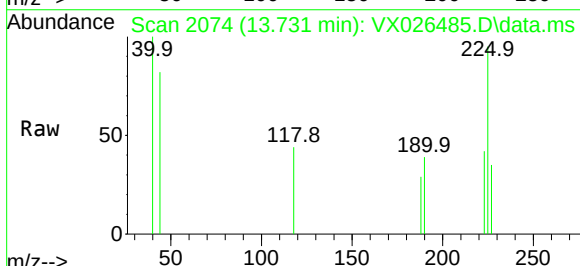
Tgt Ion:225 Resp: 190

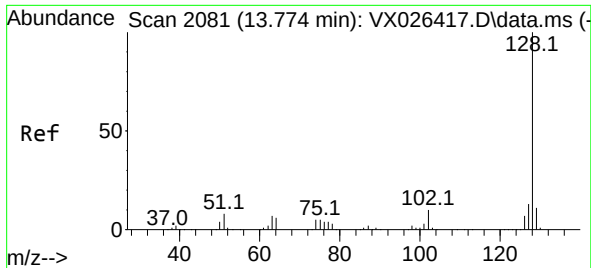
Ion Ratio Lower Upper

225 100

223 65.3 32.0 96.0

227 60.5 32.3 96.9





#95

Naphthalene

Concen: 0.686 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX026485.D

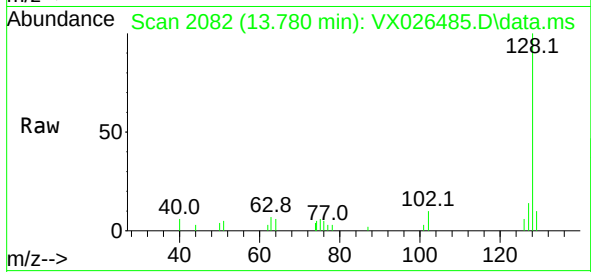
Acq: 17 Jan 2022 12:58

Instrument :

MSVOA_X

ClientSampleId :

FMI-114



Tgt Ion:128 Resp: 4306

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

129 11.1 8.7 13.1

