

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027626.D
 Acq On : 22 Mar 2022 19:49
 Operator : JC/MD
 Sample : N2028-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-116D

Quant Time: Mar 23 01:50:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

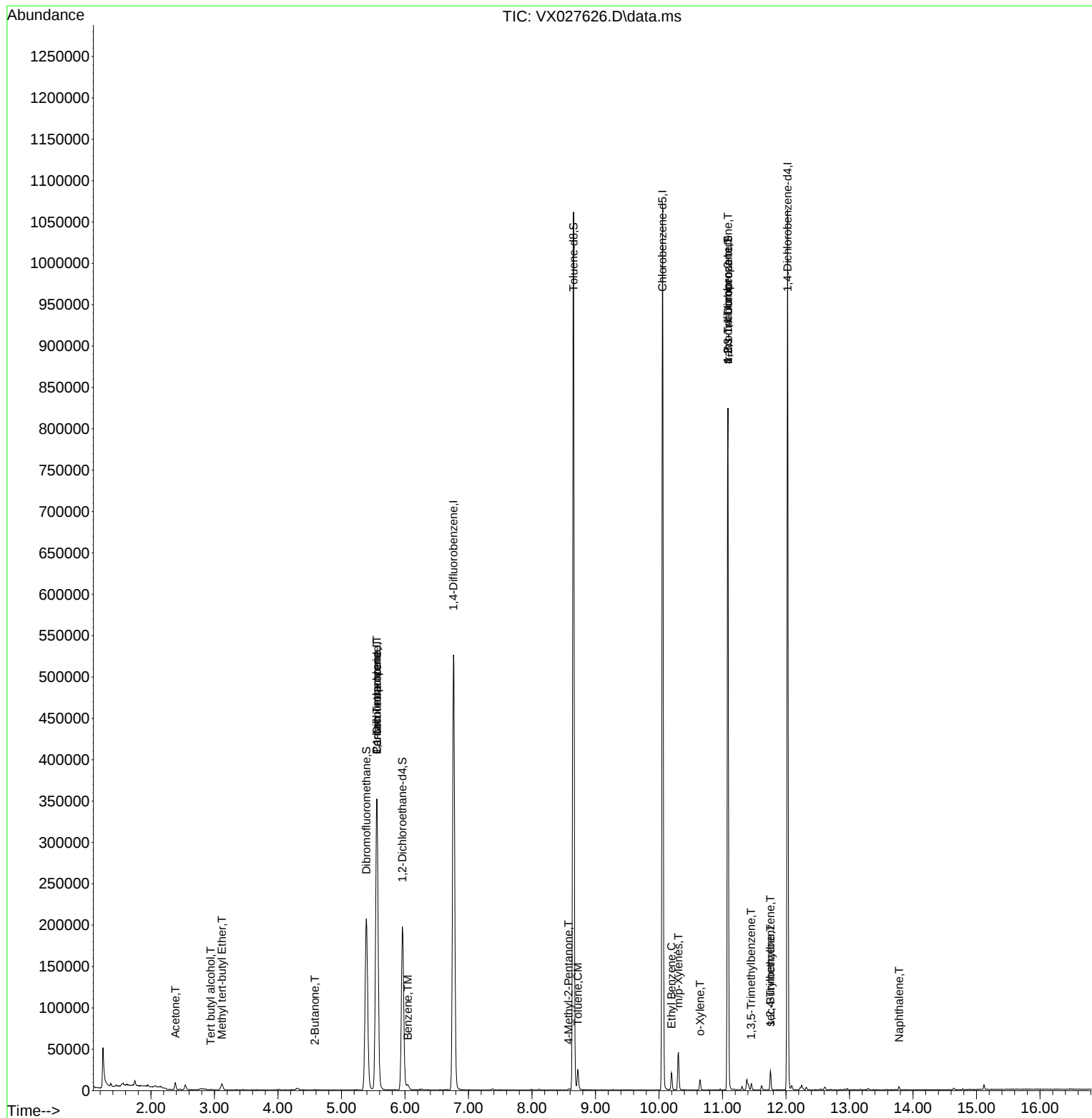
Internal Standards						
1) Pentafluorobenzene	5.556	168	355535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	577228	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	499470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	217234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	186223	42.518	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	85.040%		
35) Dibromofluoromethane	5.391	113	184195	49.598	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.200%		
50) Toluene-d8	8.653	98	649416	46.211	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	92.420%		
62) 4-Bromofluorobenzene	11.085	95	226233	43.798	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.600%		
Target Compounds						Qvalue
5) Bromomethane	1.612	94	777	Below Cal		84
11) Tert butyl alcohol	2.941	59	264	0.316 ug/l #		72
16) Acetone	2.386	43	8864	4.965 ug/l		93
19) Methyl tert-butyl Ether	3.117	73	7462	0.670 ug/l #		84
25) 2-Butanone	4.581	43	850	0.316 ug/l		97
36) 1,1-Dichloropropene	5.556	75	23677	4.665 ug/l #		50
38) Carbon Tetrachloride	5.556	117	34595	5.958 ug/l #		15
40) Benzene	6.044	78	7355	0.505 ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	1139	0.219 ug/l #		75
52) Toluene	8.720	92	9175	0.940 ug/l		96
67) Ethyl Benzene	10.195	91	12821	0.729 ug/l		96
68) m/p-Xylenes	10.305	106	11701	1.690 ug/l		96
69) o-Xylene	10.647	106	2992	0.445 ug/l		98
76) 1,2,3-Trichloropropane	11.085	75	108479	23.874 ug/l #		38
80) 1,3,5-Trimethylbenzene	11.451	105	3682	0.276 ug/l		93
81) trans-1,4-Dichloro-2-b...	11.085	75	108479	72.506 ug/l #		15
84) 1,2,4-Trimethylbenzene	11.756	105	10976	0.826 ug/l		96
85) sec-Butylbenzene	11.756	105	10976	0.688 ug/l #		56
95) Naphthalene	13.780	128	3091	0.205 ug/l		99

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

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Quant Time: Mar 23 01:50:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
Quant Title : SW846 8260
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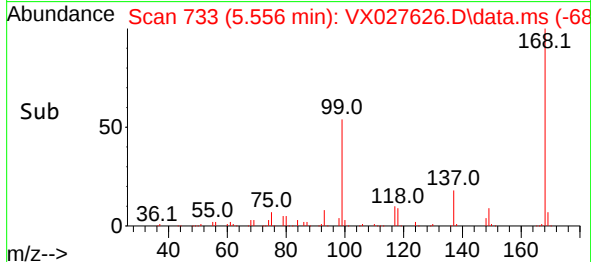
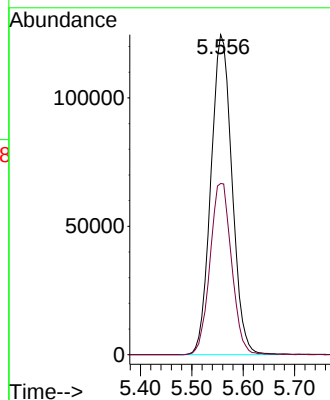
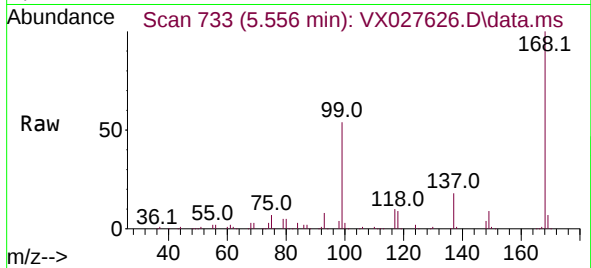




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

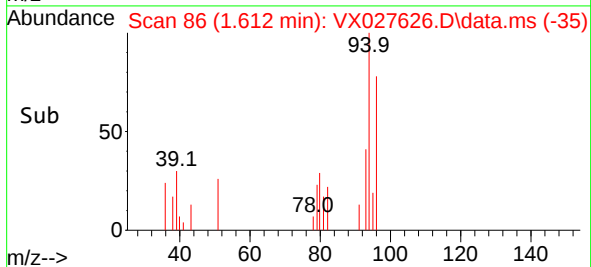
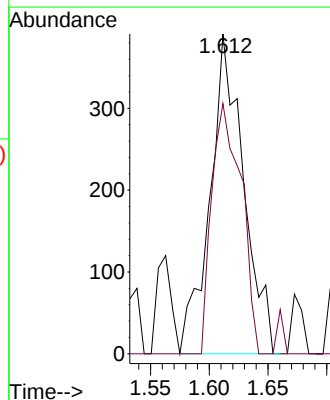
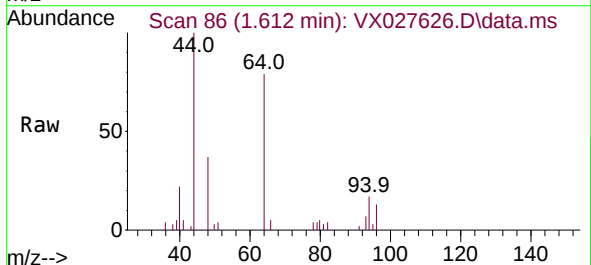
Instrument :
MSVOA_X
ClientSampleId :
MW-116D

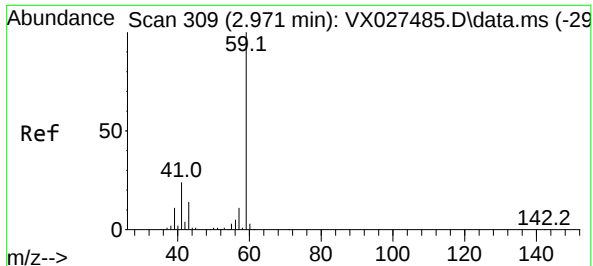
Tgt Ion:168 Resp: 355535
Ion Ratio Lower Upper
168 100
99 53.5 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

Tgt Ion: 94 Resp: 777
Ion Ratio Lower Upper
94 100
96 78.3 75.3 112.9





#11

Tert butyl alcohol

Concen: 0.316 ug/l

RT: 2.941 min Scan# 309

Delta R.T. -0.030 min

Lab File: VX027626.D

Acq: 22 Mar 2022 19:49

Instrument :

MSVOA_X

ClientSampleId :

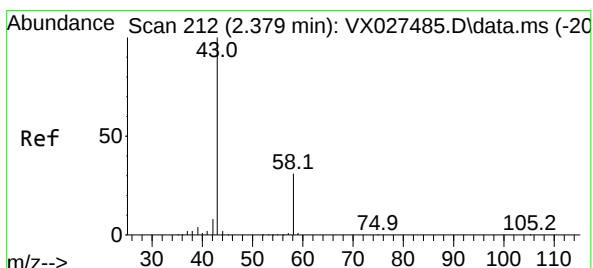
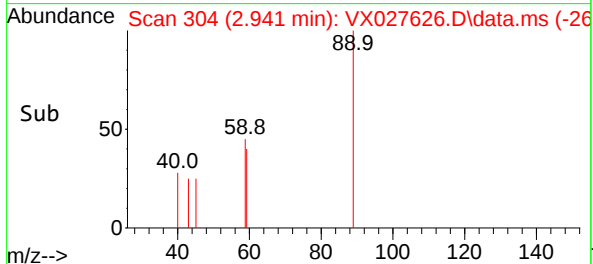
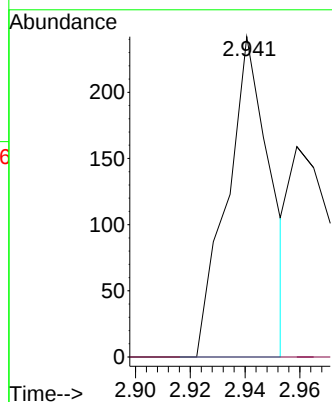
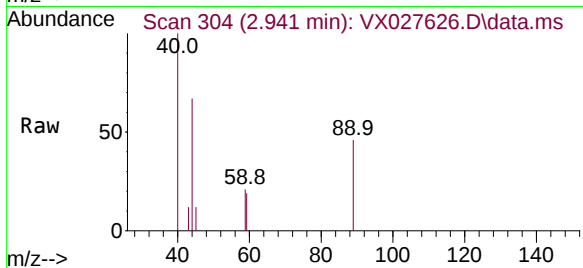
MW-116D

Tgt Ion: 59 Resp: 264

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 4.965 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX027626.D

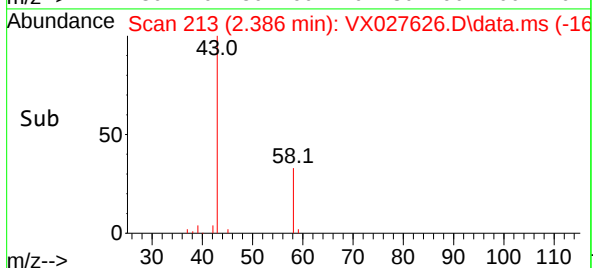
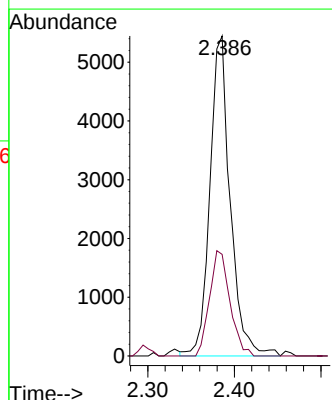
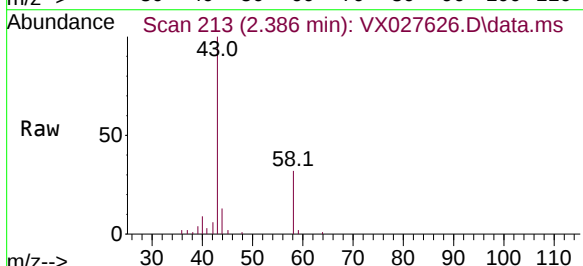
Acq: 22 Mar 2022 19:49

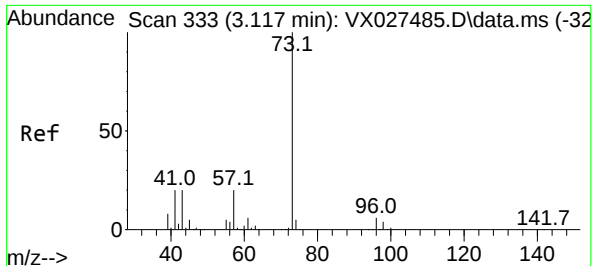
Tgt Ion: 43 Resp: 8864

Ion Ratio Lower Upper

43 100

58 31.7 28.8 43.2





#19

Methyl tert-butyl Ether

Concen: 0.670 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX027626.D

Acq: 22 Mar 2022 19:49

Instrument :

MSVOA_X

ClientSampleId :

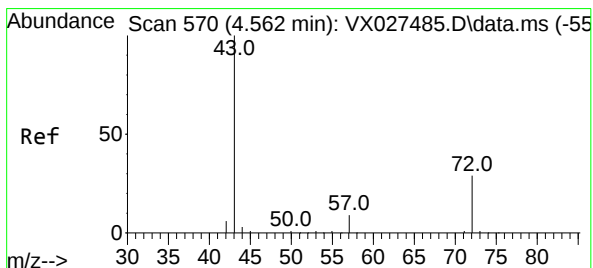
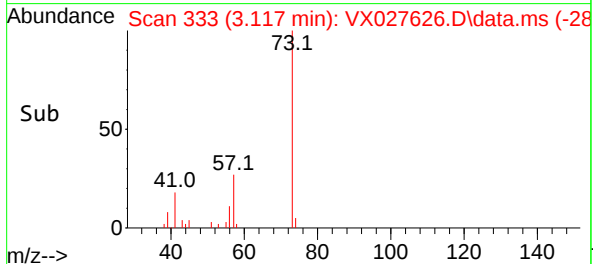
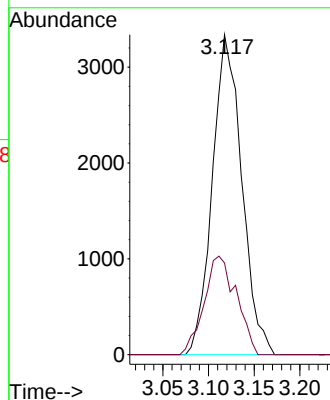
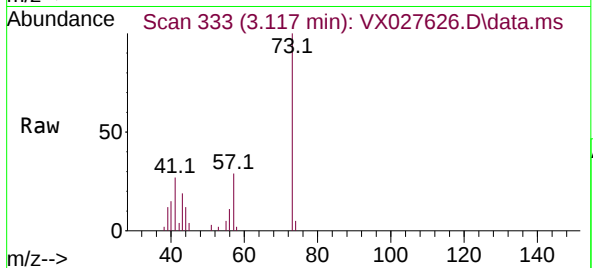
MW-116D

Tgt Ion: 73 Resp: 7462

Ion Ratio Lower Upper

73 100

57 28.7 16.8 25.2#



#25

2-Butanone

Concen: 0.316 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.019 min

Lab File: VX027626.D

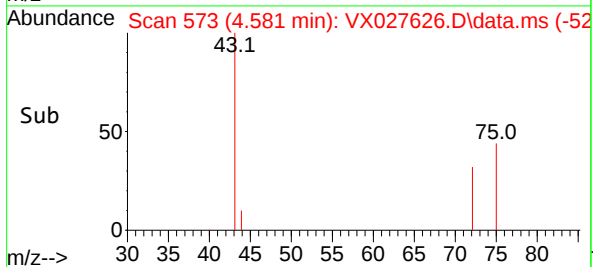
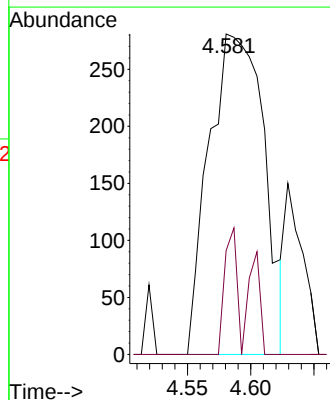
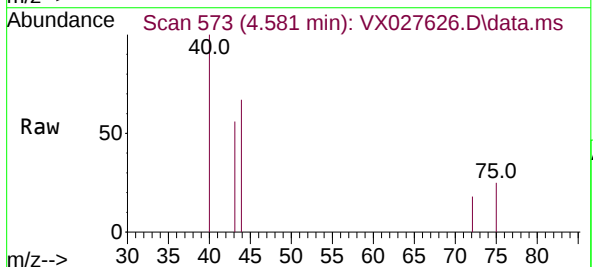
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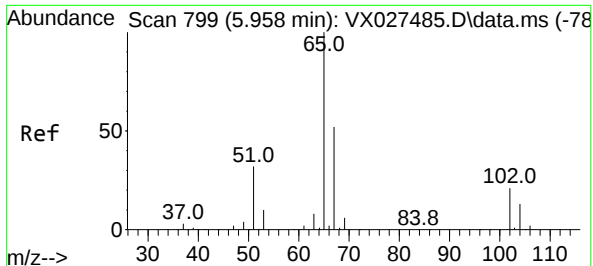
Tgt Ion: 43 Resp: 850

Ion Ratio Lower Upper

43 100

72 32.4 24.4 36.6





#33

1,2-Dichloroethane-d4

Concen: 42.518 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027626.D

Acq: 22 Mar 2022 19:49

Instrument :

MSVOA_X

ClientSampleId :

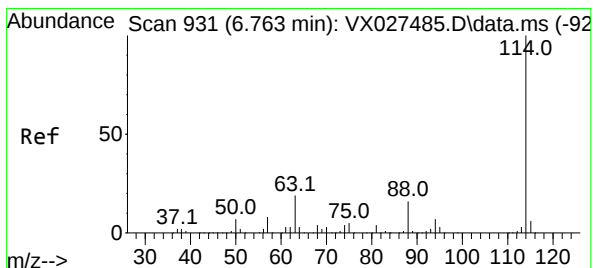
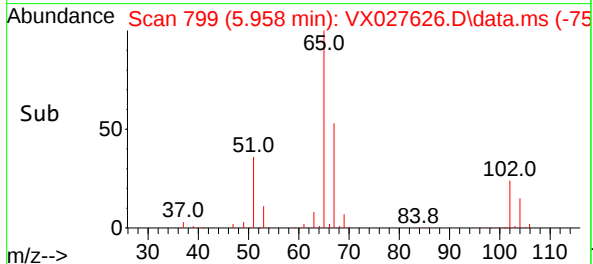
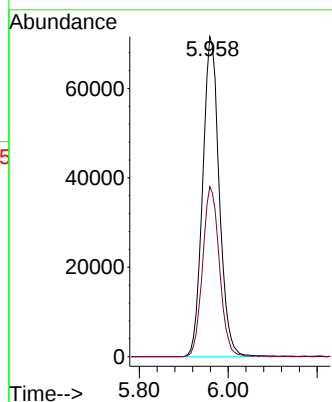
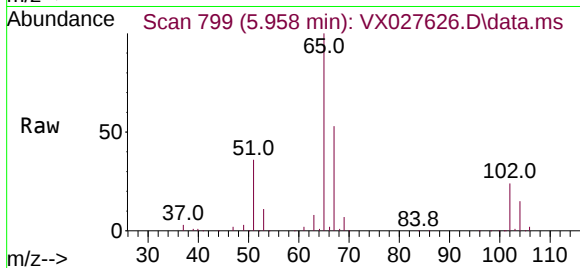
MW-116D

Tgt Ion: 65 Resp: 186223

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX027626.D

Acq: 22 Mar 2022 19:49

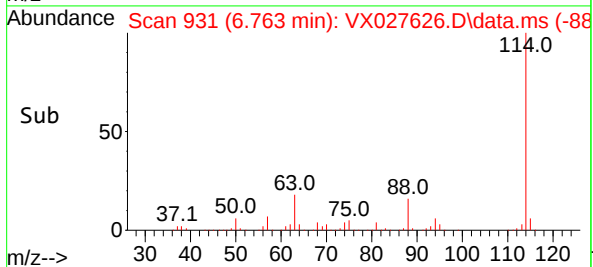
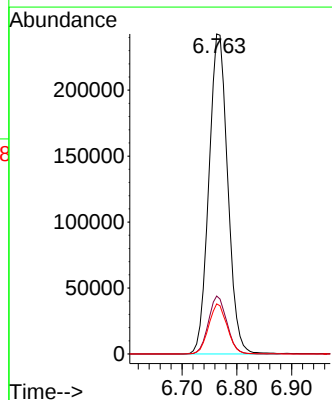
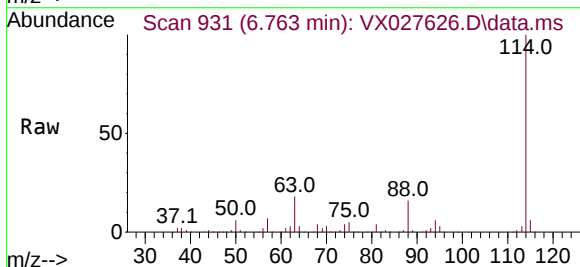
Tgt Ion: 114 Resp: 577228

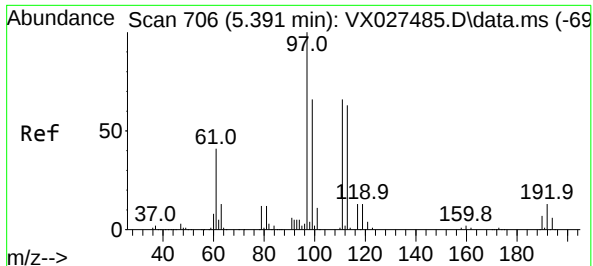
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 15.7 0.0 32.4

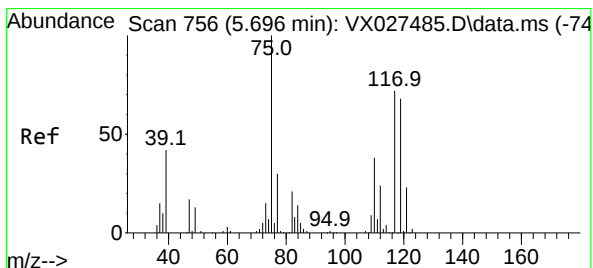
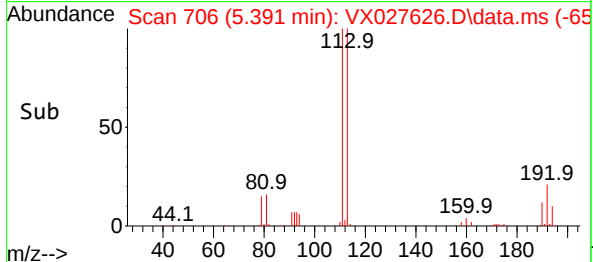
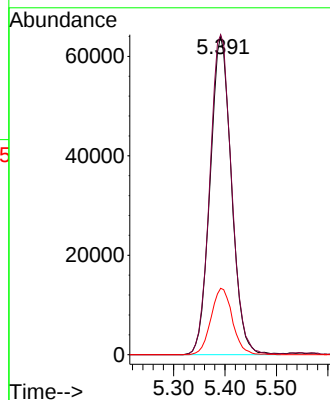
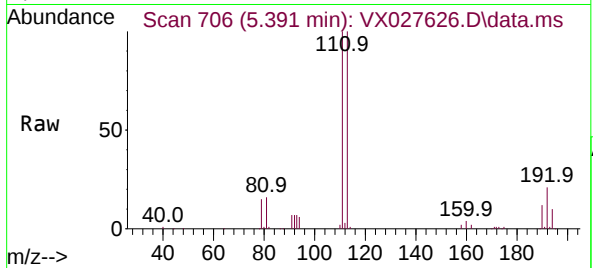




#35
Dibromofluoromethane
Concen: 49.598 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

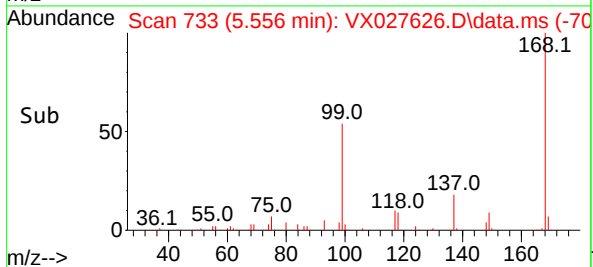
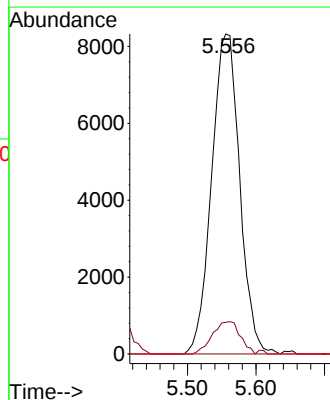
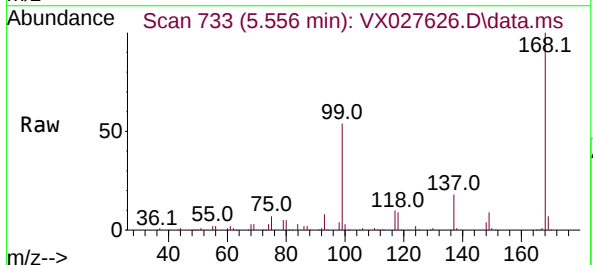
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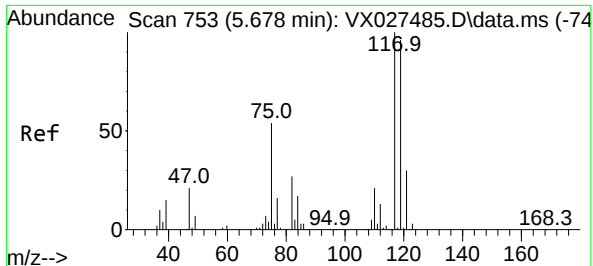
Tgt Ion:113 Resp: 184195
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 20.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.665 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

Tgt Ion: 75 Resp: 23677
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#

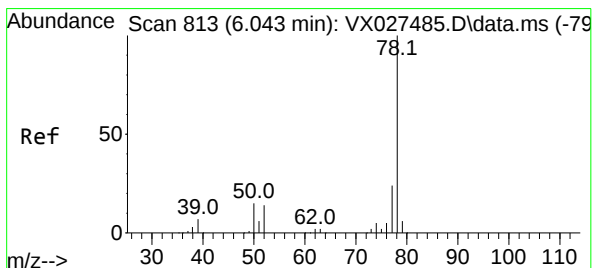
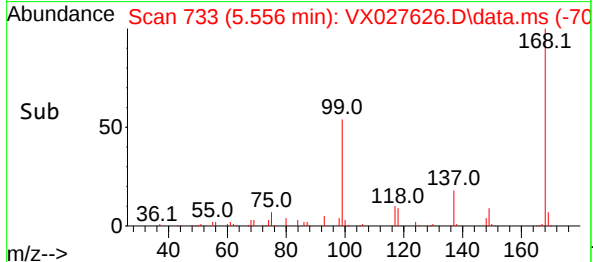
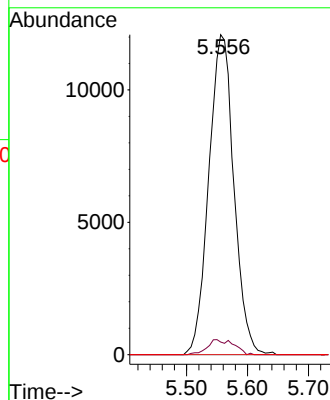
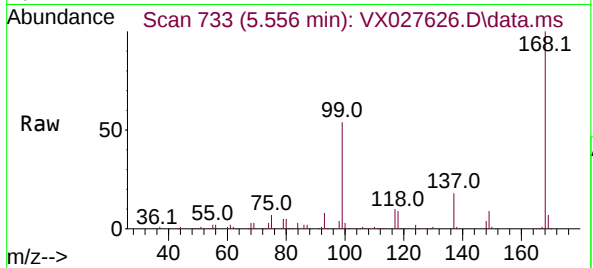




#38
Carbon Tetrachloride
Concen: 5.958 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

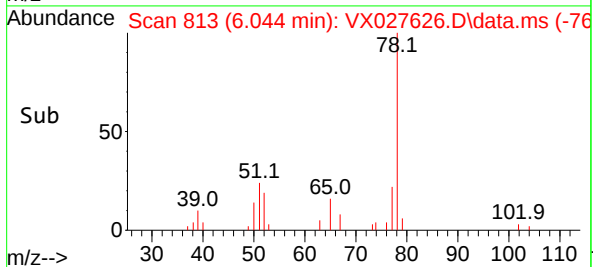
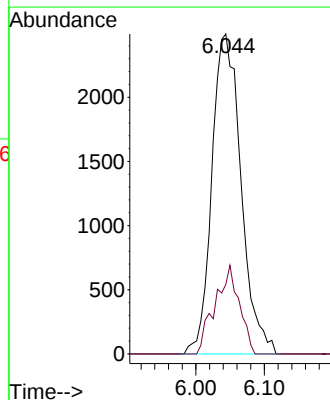
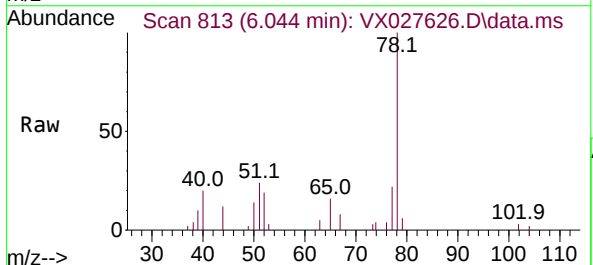
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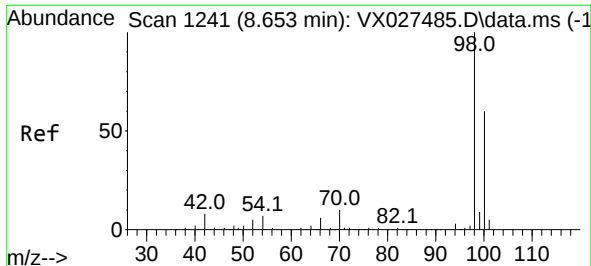
Tgt Ion:117 Resp: 34595
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.505 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

Tgt Ion: 78 Resp: 7355
Ion Ratio Lower Upper
78 100
77 21.7 19.3 28.9

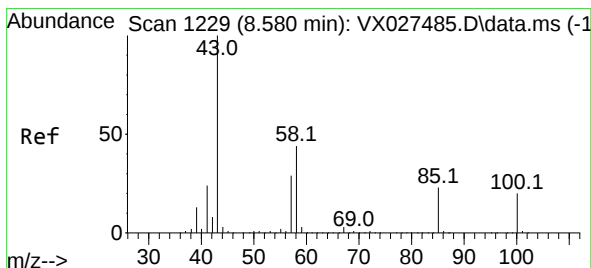
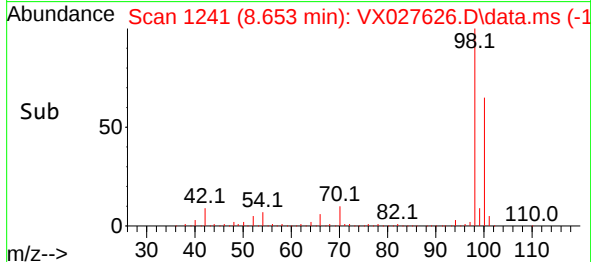
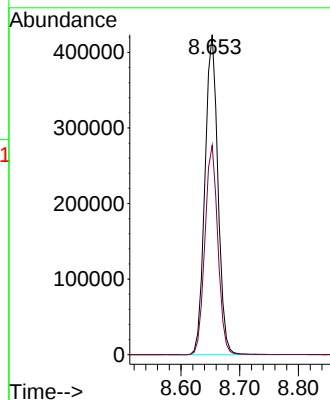
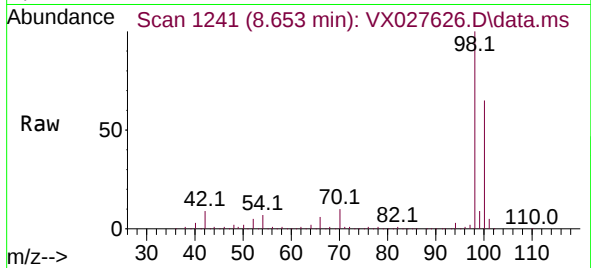




#50
Toluene-d8
Concen: 46.211 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

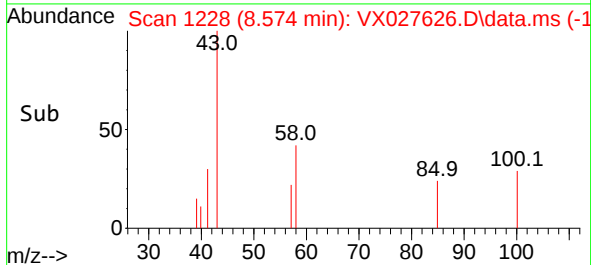
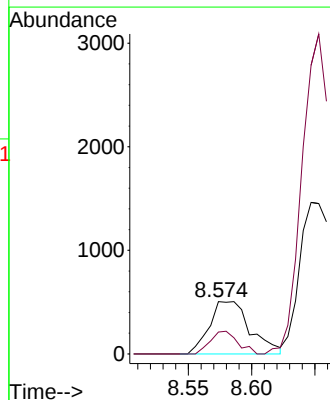
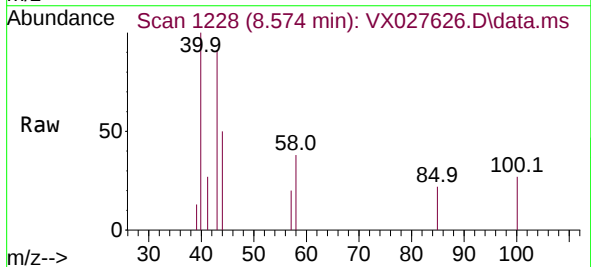
Instrument :
MSVOA_X
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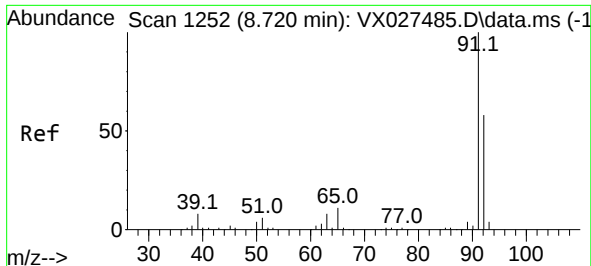
Tgt Ion: 98 Resp: 649416
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.219 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

Tgt Ion: 43 Resp: 1139
Ion Ratio Lower Upper
43 100
58 28.9 36.1 54.1#

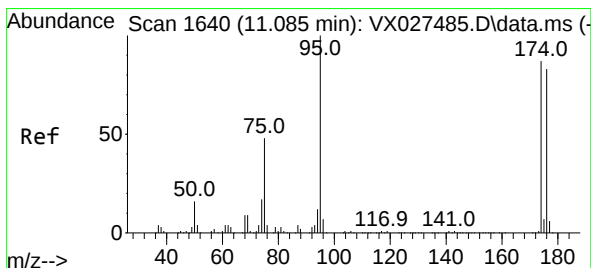
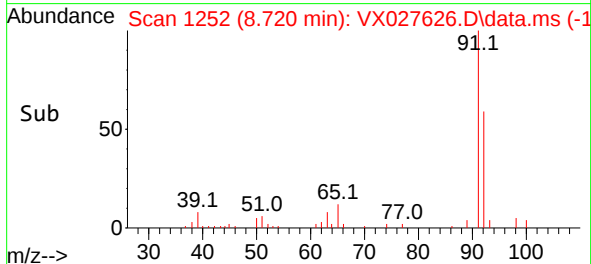
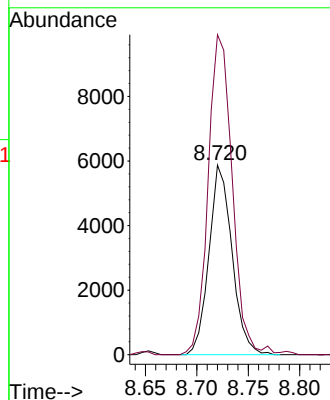
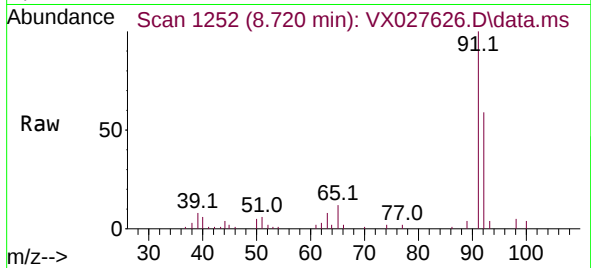




#52
Toluene
Concen: 0.940 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

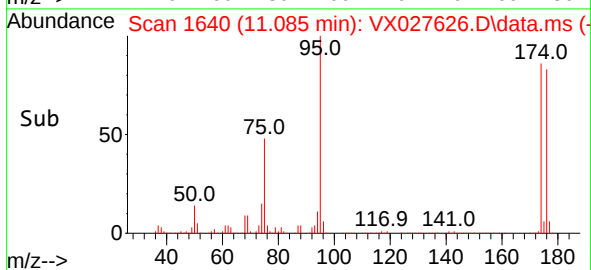
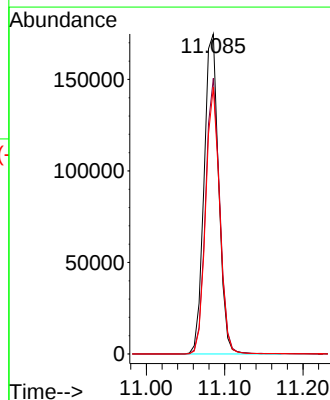
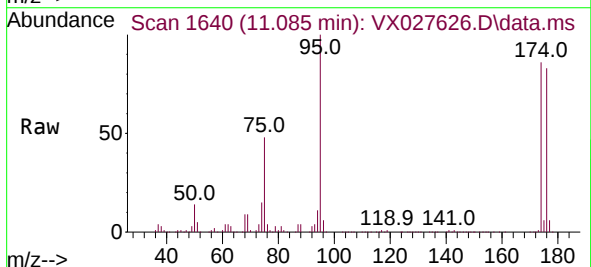
Instrument :
MSVOA_X
ClientSampleId :
MW-116D

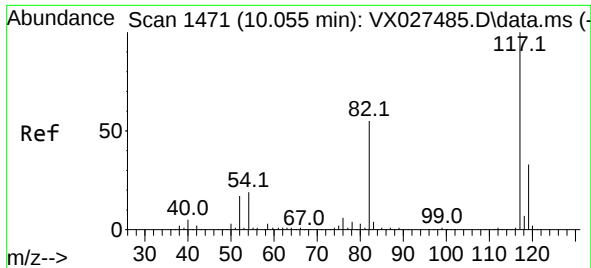
Tgt Ion: 92 Resp: 9175
Ion Ratio Lower Upper
92 100
91 176.9 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 43.798 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

Tgt Ion: 95 Resp: 226233
Ion Ratio Lower Upper
95 100
174 83.6 0.0 163.0
176 80.0 0.0 155.0

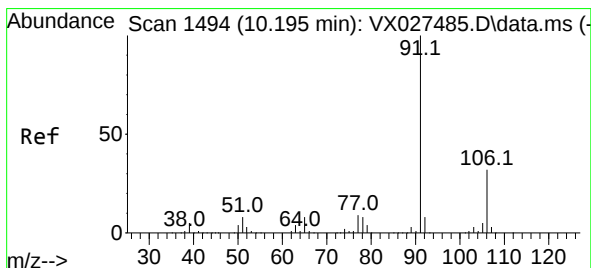
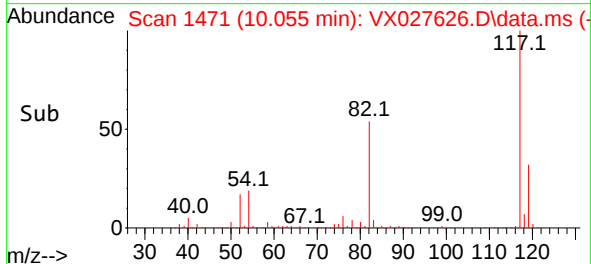
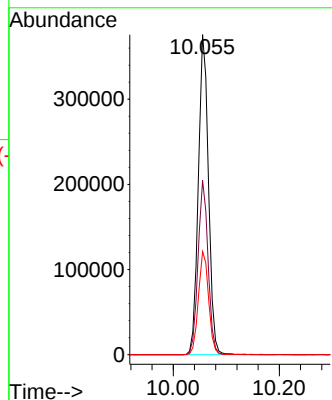
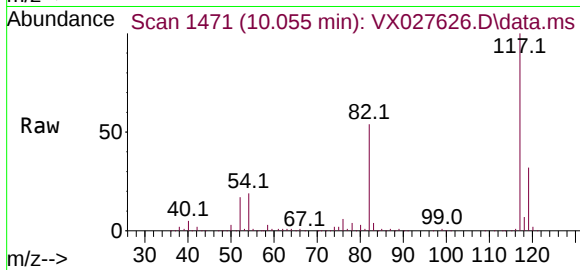




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

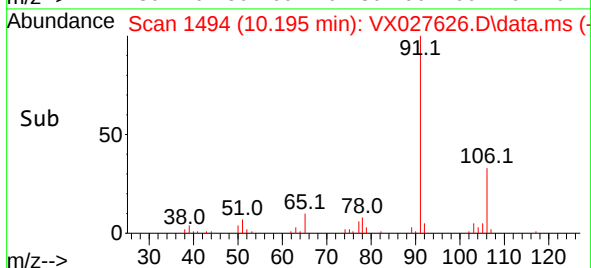
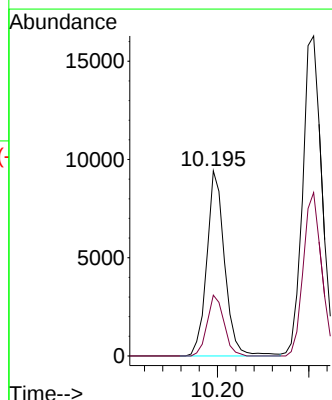
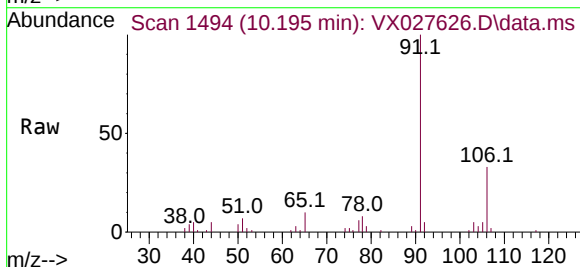
Instrument :
MSVOA_X
ClientSampleId :
MW-116D

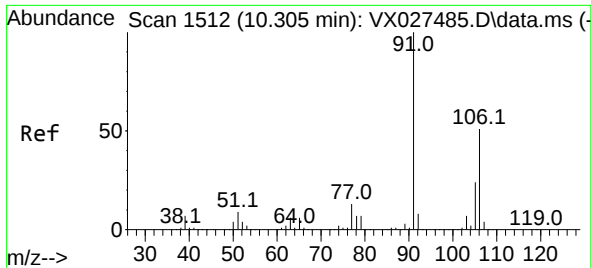
Tgt Ion:117 Resp: 499470
Ion Ratio Lower Upper
117 100
82 54.4 41.8 62.8
119 32.2 24.8 37.2



#67
Ethyl Benzene
Concen: 0.729 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

Tgt Ion: 91 Resp: 12821
Ion Ratio Lower Upper
91 100
106 32.8 24.6 36.8

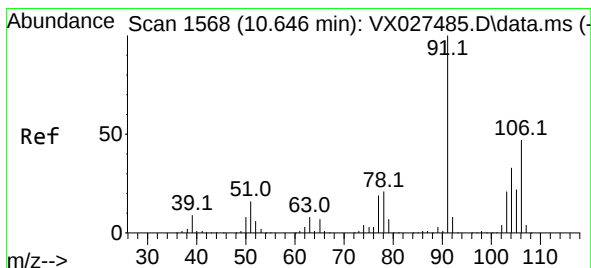
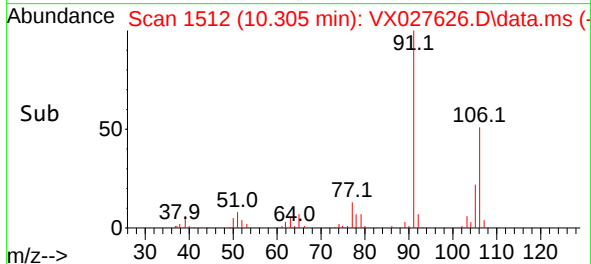
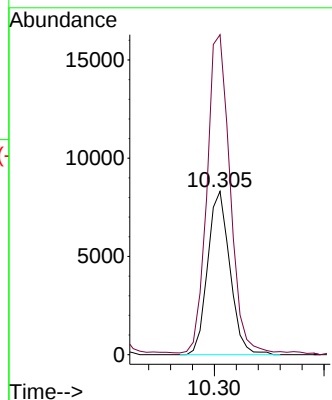
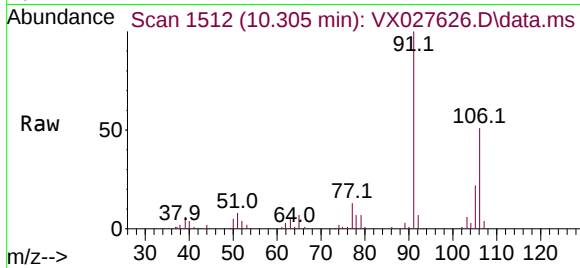




#68
m/p-Xylenes
Concen: 1.690 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

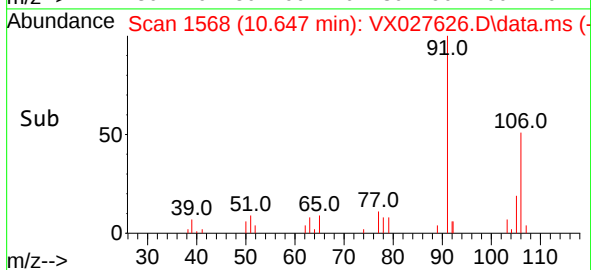
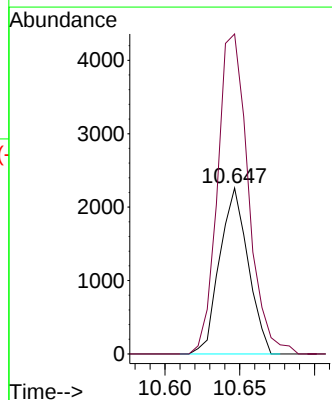
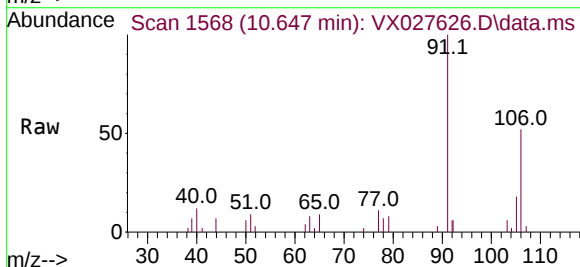
Instrument :
MSVOA_X
ClientSampleId :
MW-116D

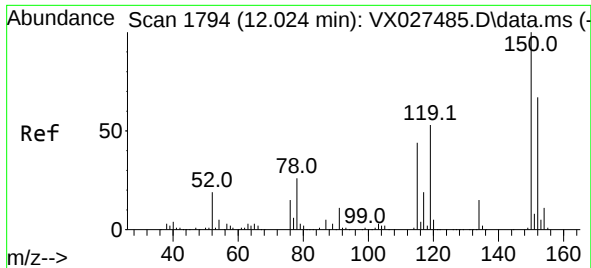
Tgt Ion:106 Resp: 11701
Ion Ratio Lower Upper
106 100
91 207.2 160.4 240.6



#69
o-Xylene
Concen: 0.445 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

Tgt Ion:106 Resp: 2992
Ion Ratio Lower Upper
106 100
91 208.5 106.1 318.1

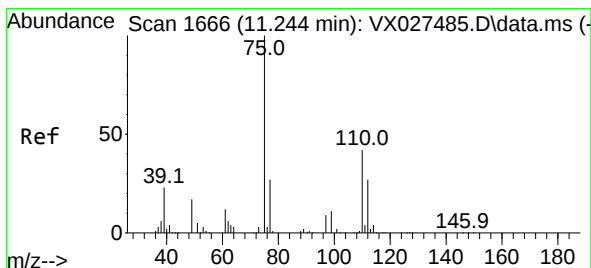
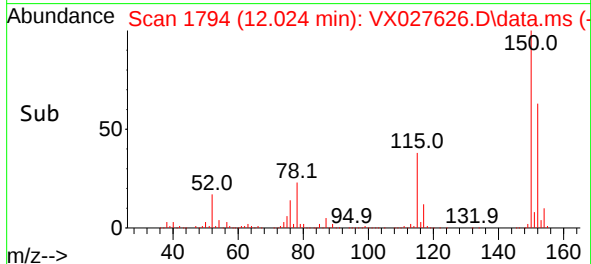
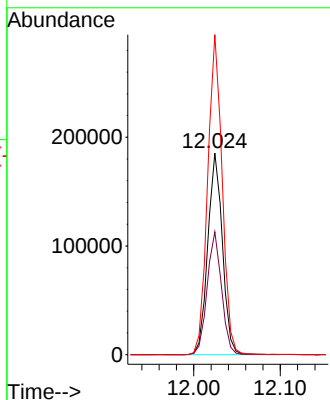
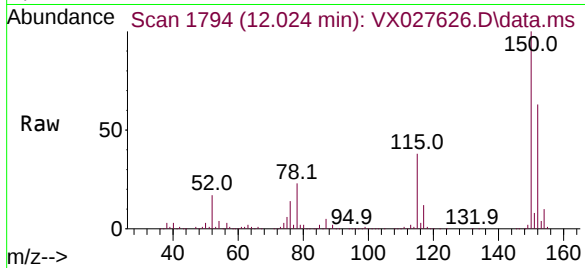




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX027626.D
 Acq: 22 Mar 2022 19:49

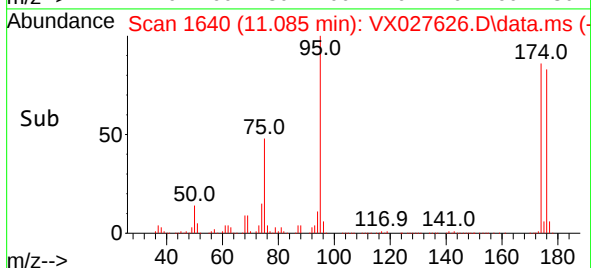
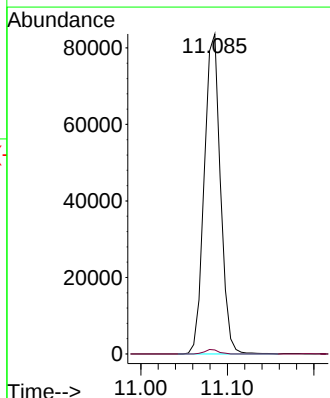
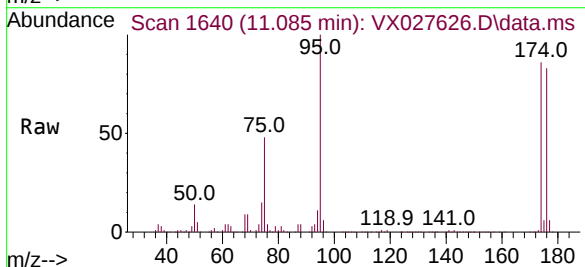
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-116D

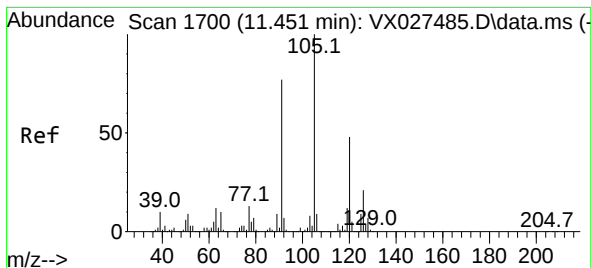
Tgt Ion:152 Resp: 217234
 Ion Ratio Lower Upper
 152 100
 115 60.0 37.5 112.7
 150 157.7 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 23.874 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX027626.D
 Acq: 22 Mar 2022 19:49

Tgt Ion: 75 Resp: 108479
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.276 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX027626.D

Acq: 22 Mar 2022 19:49

Instrument :

MSVOA_X

ClientSampleId :

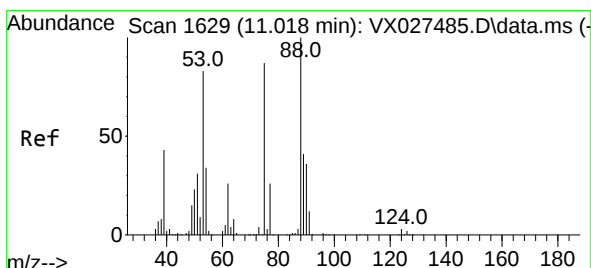
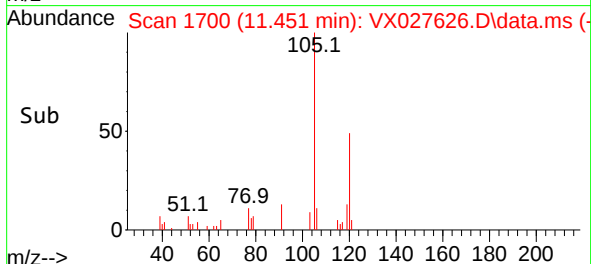
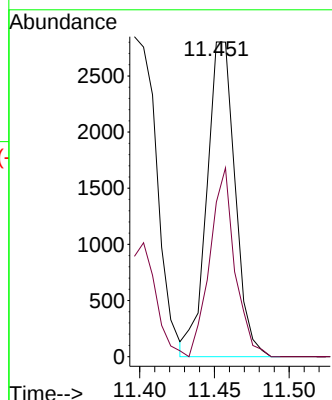
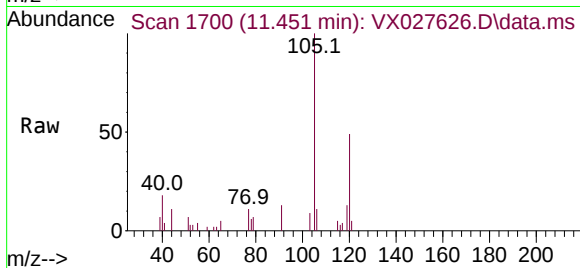
MW-116D

Tgt Ion:105 Resp: 3682

Ion Ratio Lower Upper

105 100

120 53.1 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 72.506 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX027626.D

Acq: 22 Mar 2022 19:49

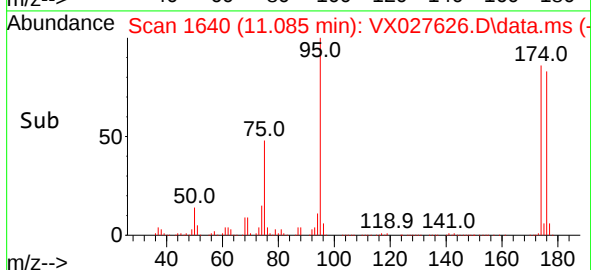
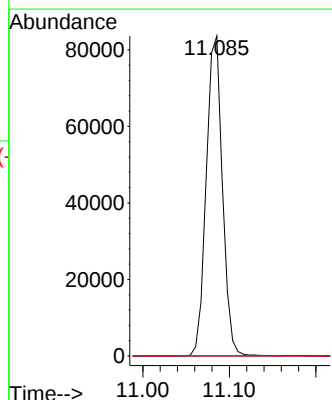
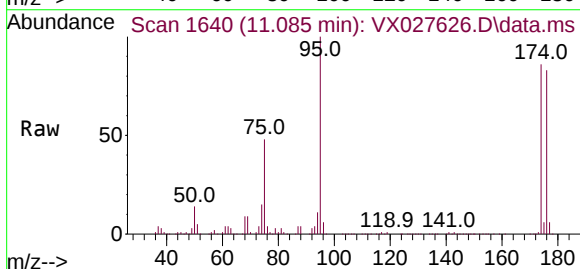
Tgt Ion: 75 Resp: 108479

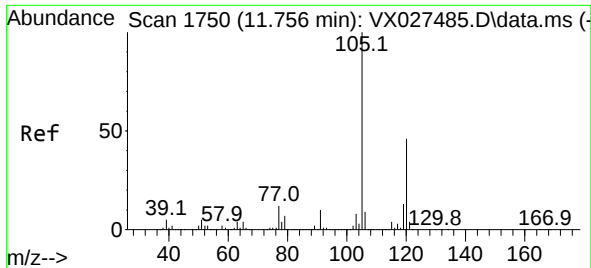
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

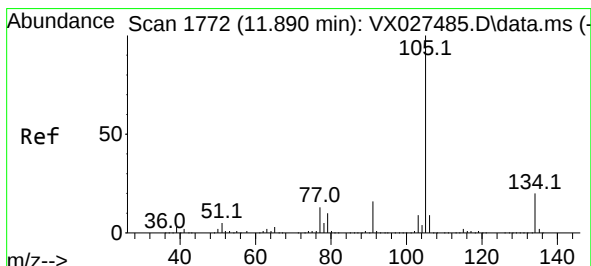
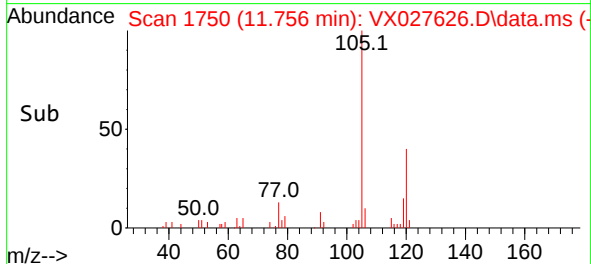
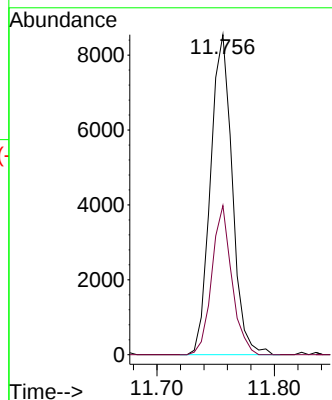
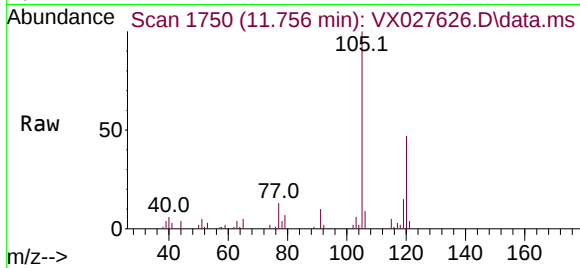




#84
1,2,4-Trimethylbenzene
Concen: 0.826 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

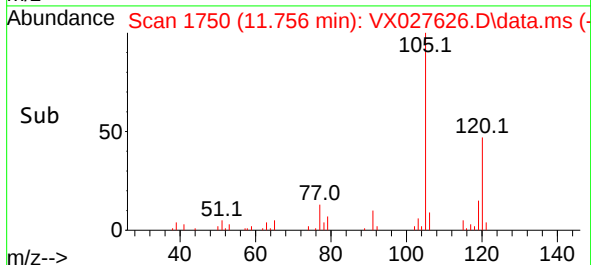
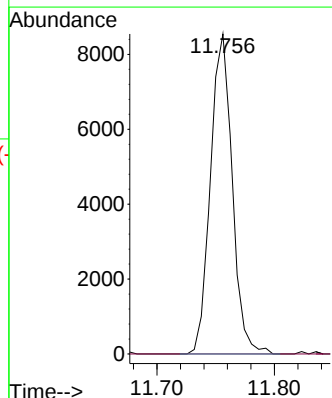
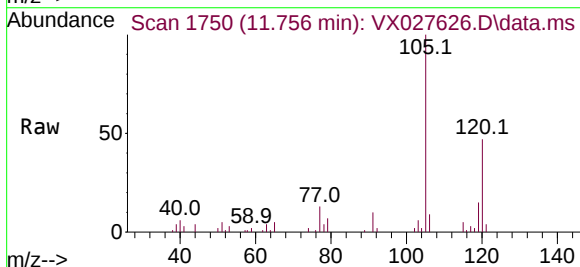
Instrument :
MSVOA_X
ClientSampleId :
MW-116D

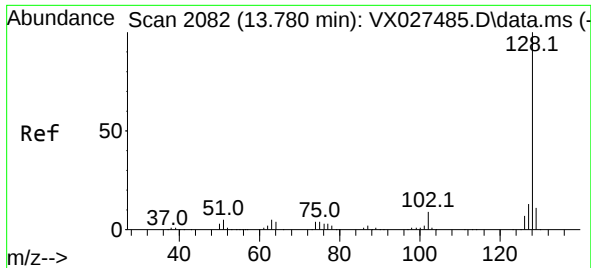
Tgt Ion:105 Resp: 10976
Ion Ratio Lower Upper
105 100
120 42.8 22.6 67.8



#85
sec-Butylbenzene
Concen: 0.688 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX027626.D
Acq: 22 Mar 2022 19:49

Tgt Ion:105 Resp: 10976
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#95

Naphthalene

Concen: 0.205 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX027626.D

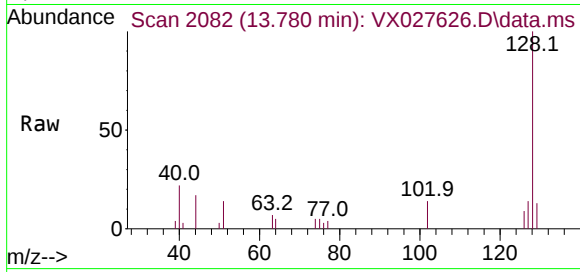
Acq: 22 Mar 2022 19:49

Instrument :

MSVOA_X

ClientSampleId :

MW-116D



Tgt Ion:128 Resp: 3091

Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.4

129 11.3 8.7 13.1

