

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042823\
 Data File : VX035405.D
 Acq On : 28 Apr 2023 20:44
 Operator : JC/MD
 Sample : 02522-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Quant Time: Apr 29 00:44:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

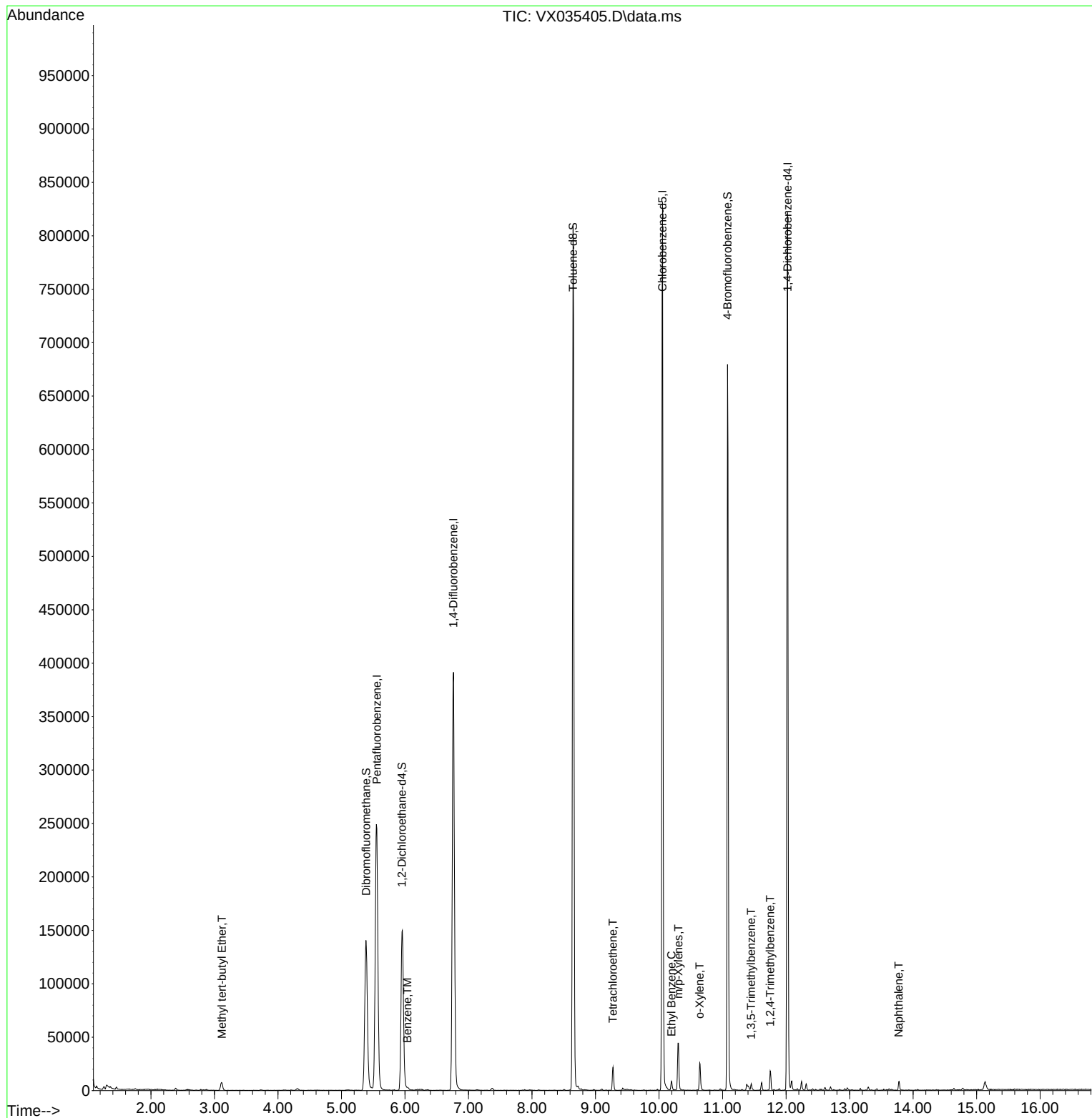
Internal Standards						
1) Pentafluorobenzene	5.556	168	251718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	416129	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	378713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	185398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	148910	49.035	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.060%
35) Dibromofluoromethane	5.385	113	125439	49.113	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.220%
50) Toluene-d8	8.647	98	480416	49.862	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.720%
62) 4-Bromofluorobenzene	11.079	95	188561	52.025	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.040%
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	3.117	73	8056	0.960	ug/l #	89
40) Benzene	6.037	78	2399	0.210	ug/l #	62
64) Tetrachloroethene	9.275	164	4498	1.551	ug/l	90
67) Ethyl Benzene	10.195	91	4975	0.351	ug/l #	88
68) m/p-Xylenes	10.305	106	11467	2.109	ug/l	98
69) o-Xylene	10.640	106	6331	1.187	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	2859	0.250	ug/l	90
84) 1,2,4-Trimethylbenzene	11.750	105	8823	0.768	ug/l	97
95) Naphthalene	13.774	128	6065	0.489	ug/l	96

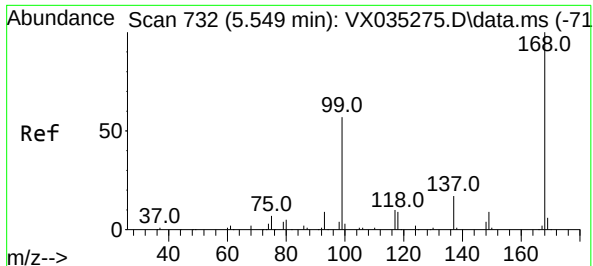
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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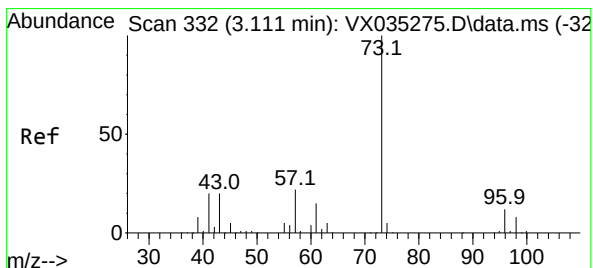
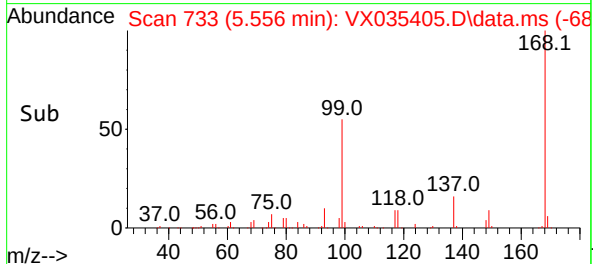
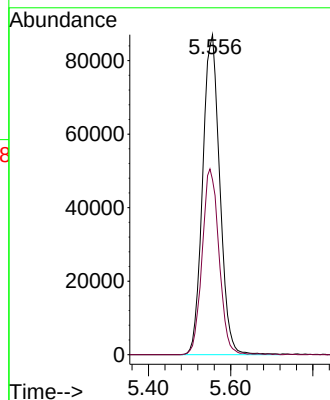
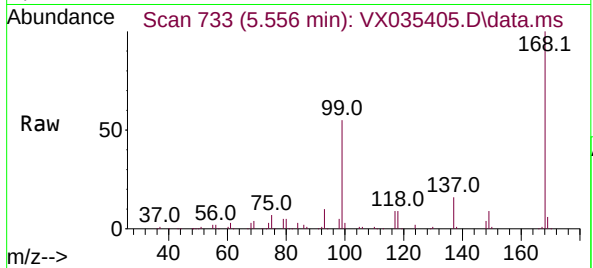




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 732
Delta R.T. 0.007 min
Lab File: VX035405.D
Acq: 28 Apr 2023 20:44

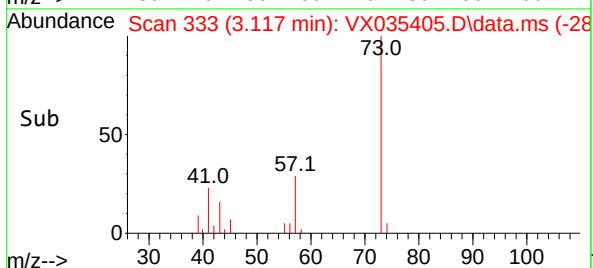
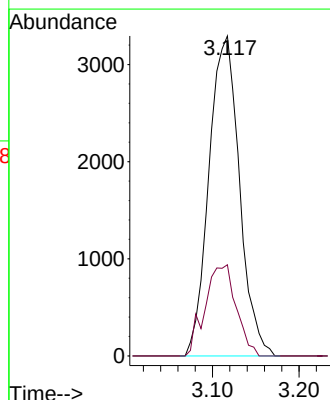
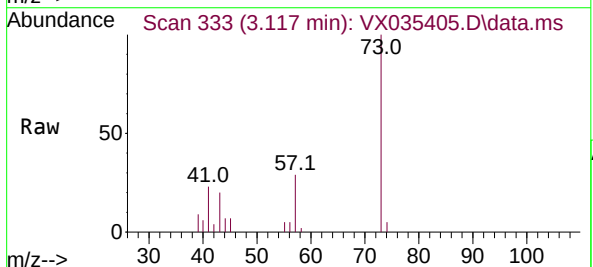
Instrument :
MSVOA_X
ClientSampleId :
MW-11

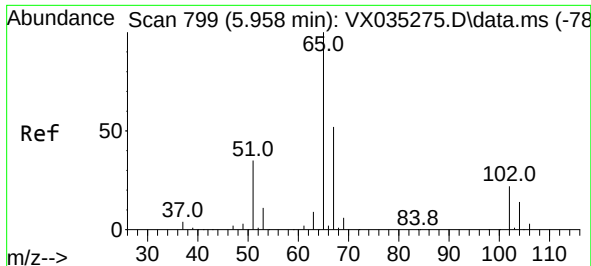
Tgt Ion:168 Resp: 251718
Ion Ratio Lower Upper
168 100
99 54.6 45.7 68.5



#19
Methyl tert-butyl Ether
Concen: 0.960 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX035405.D
Acq: 28 Apr 2023 20:44

Tgt Ion: 73 Resp: 8056
Ion Ratio Lower Upper
73 100
57 28.5 18.5 27.7#





#33

1,2-Dichloroethane-d4

Concen: 49.035 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035405.D

Acq: 28 Apr 2023 20:44

Instrument :

MSVOA_X

ClientSampleId :

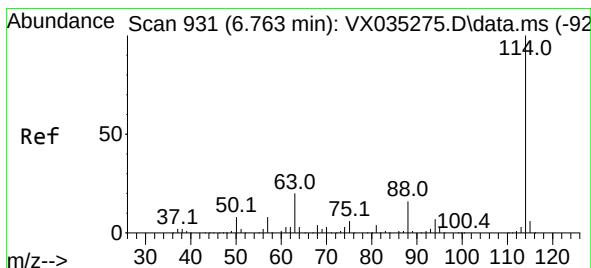
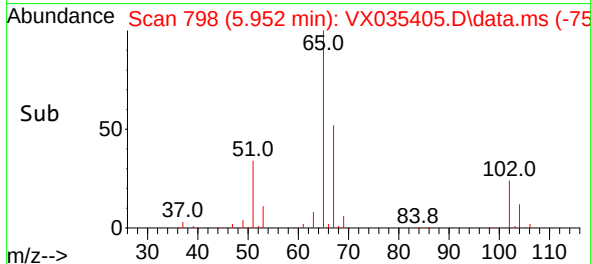
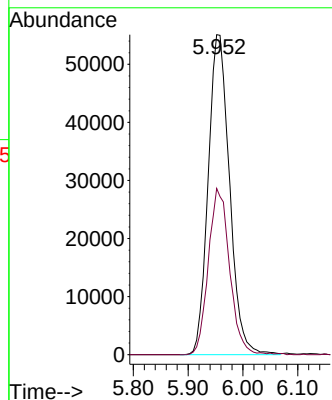
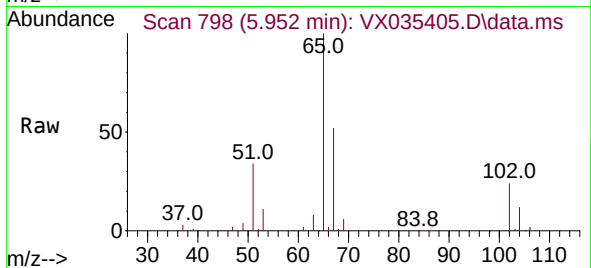
MW-11

Tgt Ion: 65 Resp: 148910

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035405.D

Acq: 28 Apr 2023 20:44

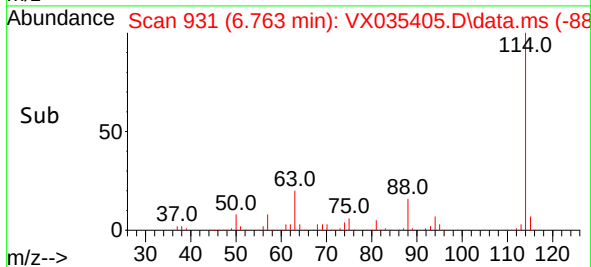
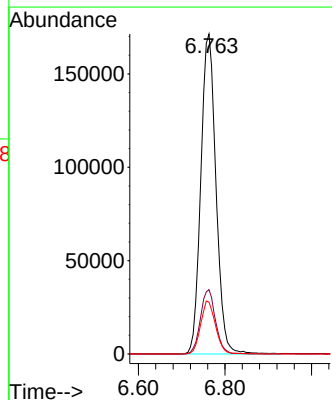
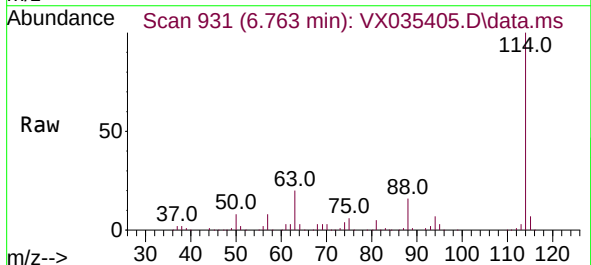
Tgt Ion: 114 Resp: 416129

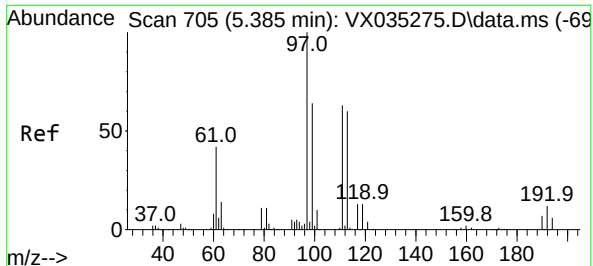
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.2

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.113 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035405.D

Acq: 28 Apr 2023 20:44

Instrument :

MSVOA_X

ClientSampleId :

MW-11

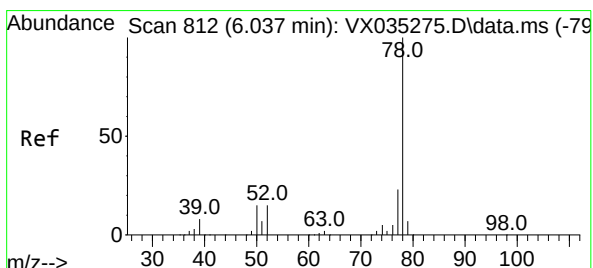
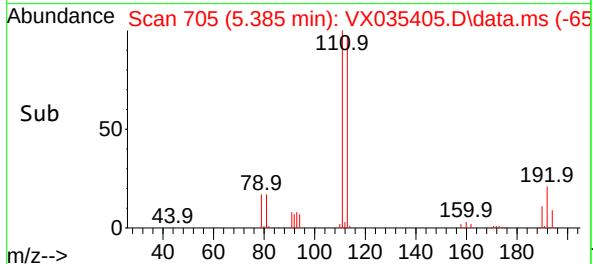
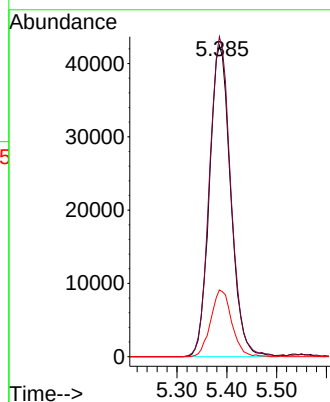
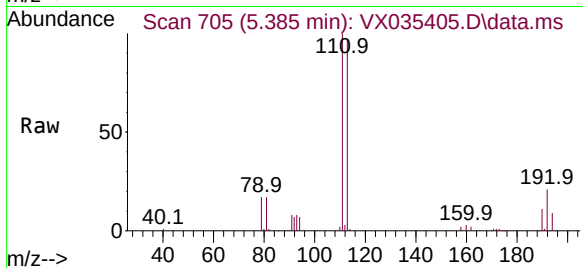
Tgt Ion:113 Resp: 125439

Ion Ratio Lower Upper

113 100

111 103.0 83.7 125.5

192 21.2 15.4 23.2



#40

Benzene

Concen: 0.210 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX035405.D

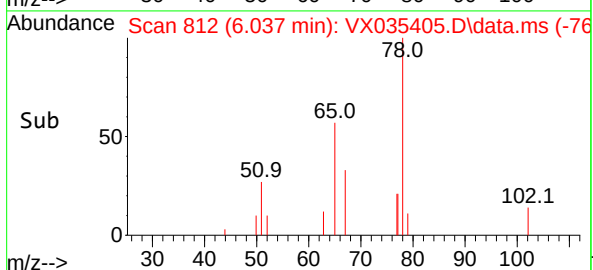
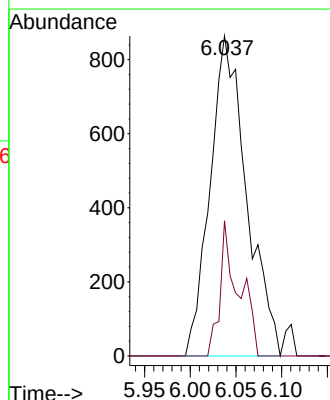
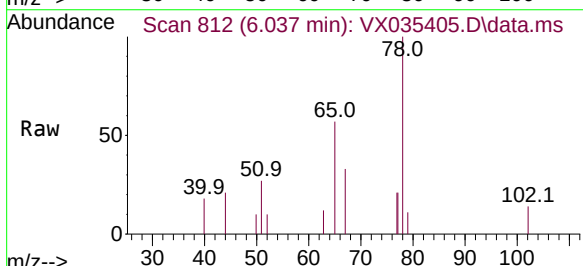
Acq: 28 Apr 2023 20:44

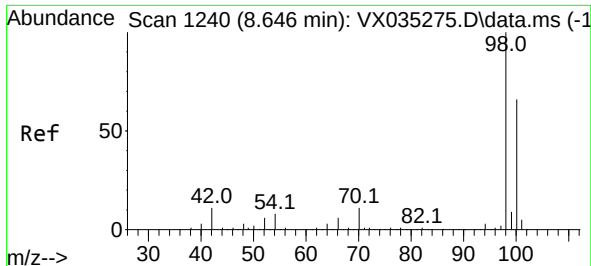
Tgt Ion: 78 Resp: 2399

Ion Ratio Lower Upper

78 100

77 42.2 19.0 28.4#

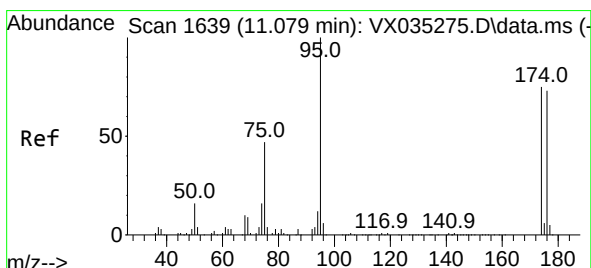
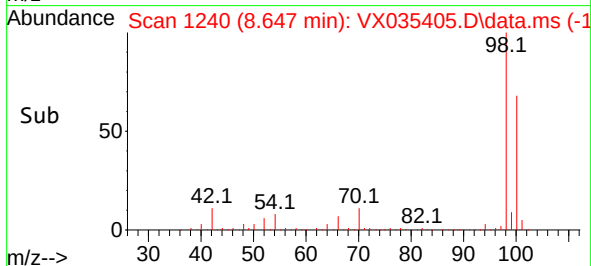
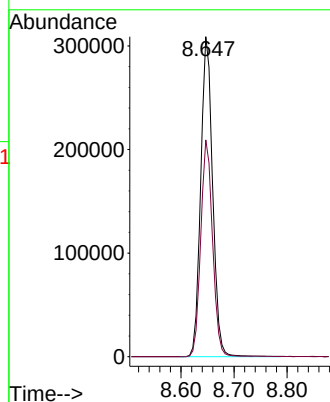
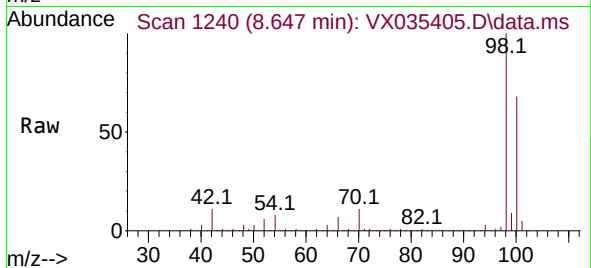




#50
Toluene-d8
Concen: 49.862 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035405.D
Acq: 28 Apr 2023 20:44

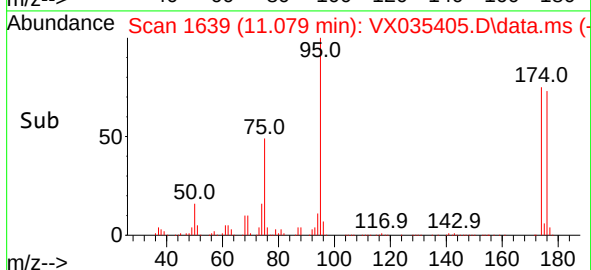
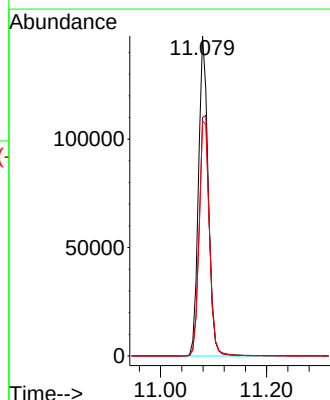
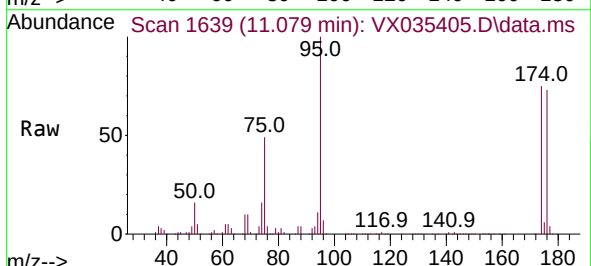
Instrument :
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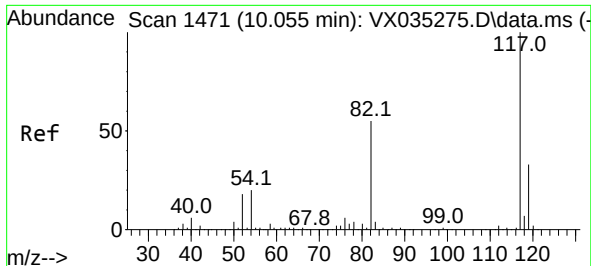
Tgt Ion: 98 Resp: 480416
Ion Ratio Lower Upper
98 100
100 67.2 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 52.025 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035405.D
Acq: 28 Apr 2023 20:44

Tgt Ion: 95 Resp: 188561
Ion Ratio Lower Upper
95 100
174 79.1 0.0 147.4
176 77.0 0.0 140.6

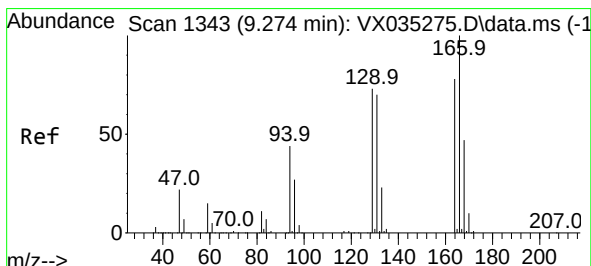
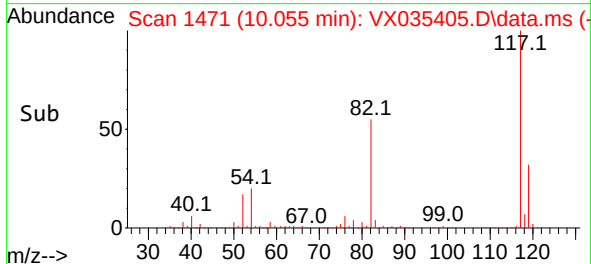
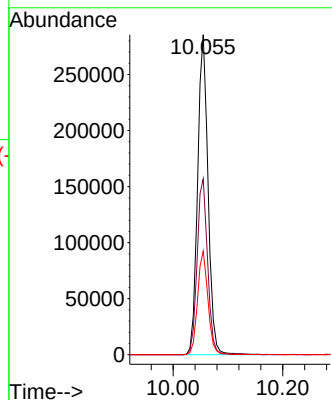
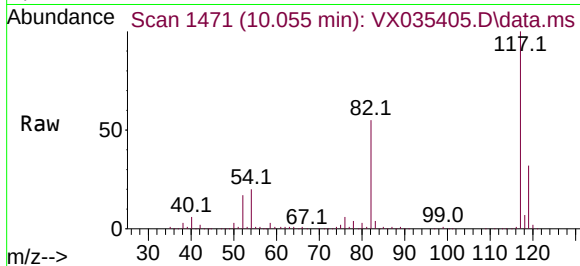




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035405.D
Acq: 28 Apr 2023 20:44

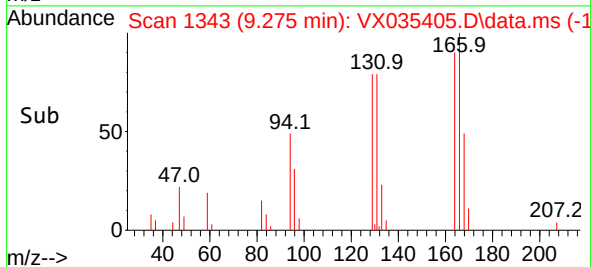
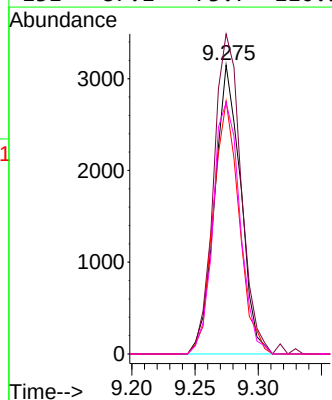
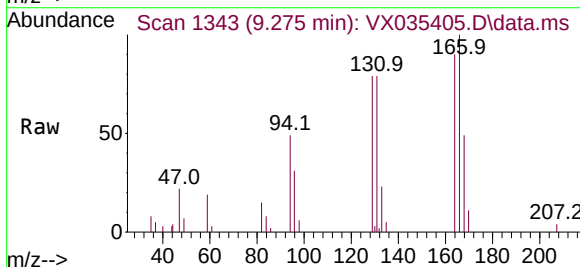
Instrument :
MSVOA_X
ClientSampleId :
MW-11

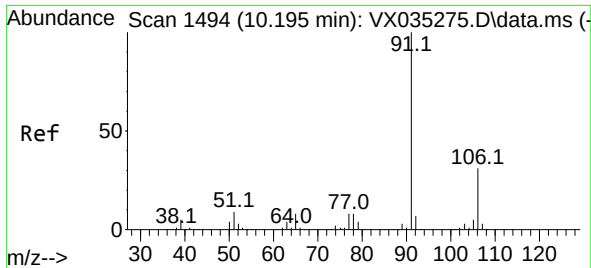
Tgt Ion:117 Resp: 378713
Ion Ratio Lower Upper
117 100
82 55.0 45.0 67.4
119 32.4 26.0 39.0



#64
Tetrachloroethene
Concen: 1.551 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.001 min
Lab File: VX035405.D
Acq: 28 Apr 2023 20:44

Tgt Ion:164 Resp: 4498
Ion Ratio Lower Upper
164 100
166 110.8 102.7 154.1
129 87.5 75.6 113.4
131 87.1 73.7 110.5

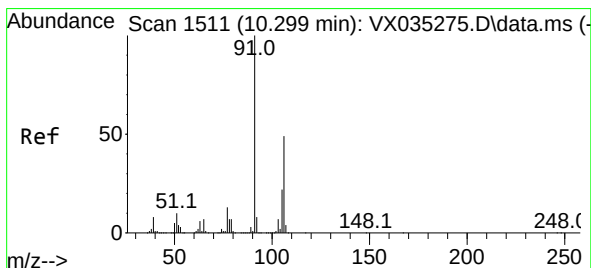
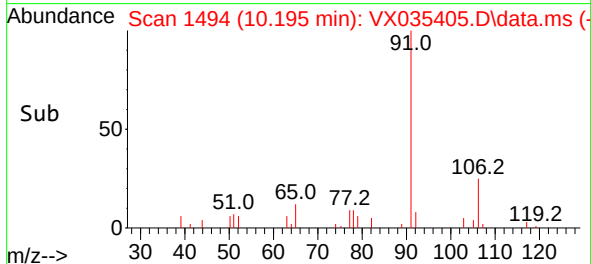
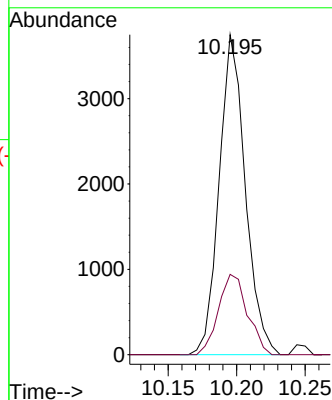
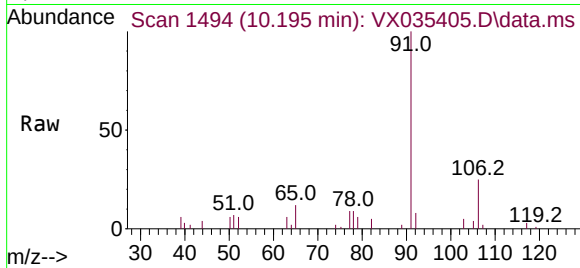




#67
Ethyl Benzene
Concen: 0.351 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035405.D
Acq: 28 Apr 2023 20:44

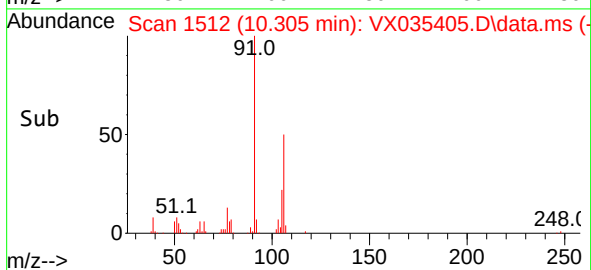
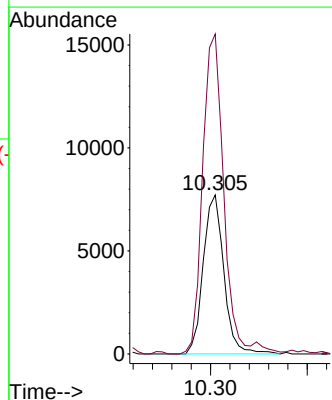
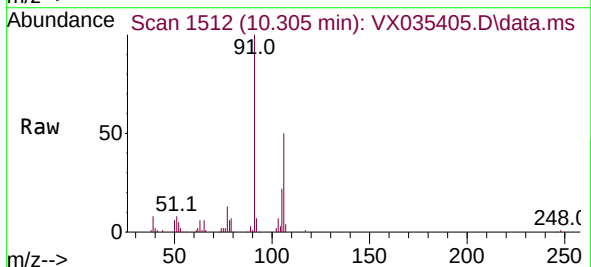
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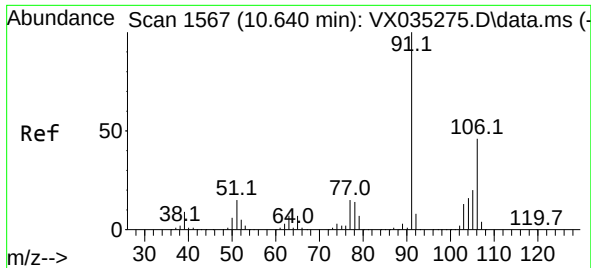
Tgt Ion: 91 Resp: 4975
Ion Ratio Lower Upper
91 100
106 25.1 25.6 38.4#



#68
m/p-Xylenes
Concen: 2.109 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035405.D
Acq: 28 Apr 2023 20:44

Tgt Ion: 106 Resp: 11467
Ion Ratio Lower Upper
106 100
91 202.1 164.0 246.0

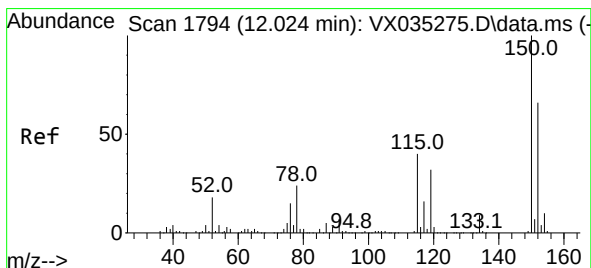
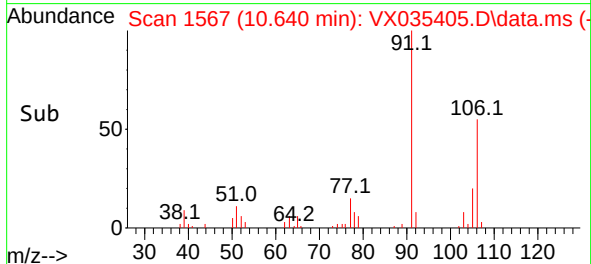
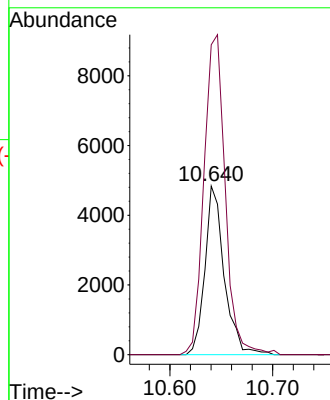
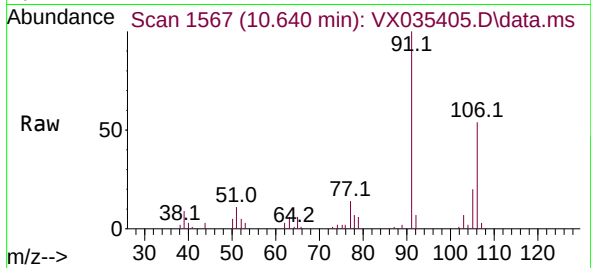




#69
o-Xylene
Concen: 1.187 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035405.D
Acq: 28 Apr 2023 20:44

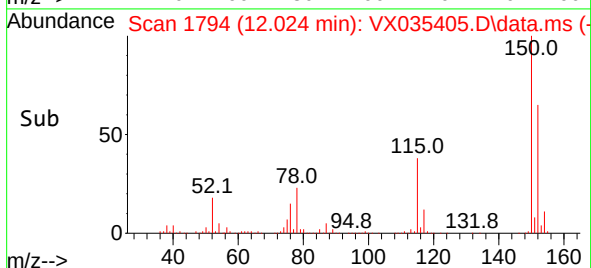
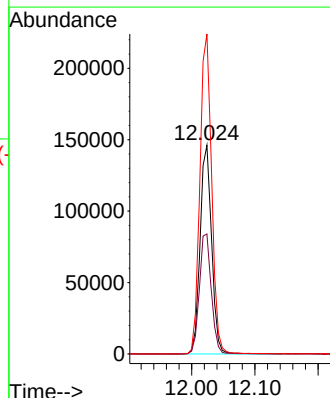
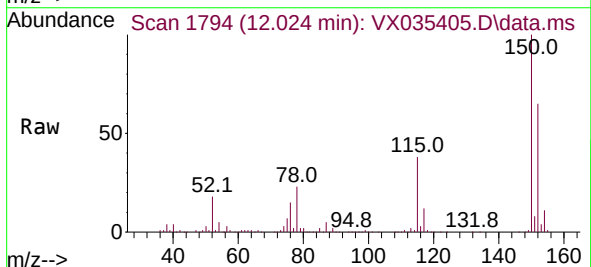
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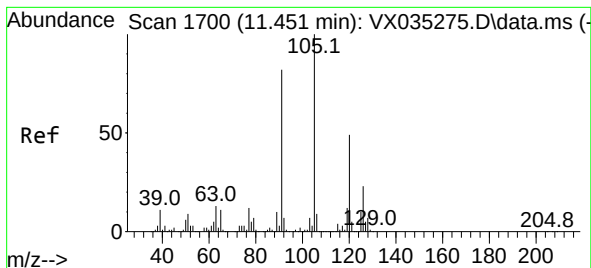
Tgt Ion:106 Resp: 6331
Ion Ratio Lower Upper
106 100
91 208.6 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035405.D
Acq: 28 Apr 2023 20:44

Tgt Ion:152 Resp: 185398
Ion Ratio Lower Upper
152 100
115 59.5 45.0 135.0
150 156.4 0.0 352.4





#80

1,3,5-Trimethylbenzene

Concen: 0.250 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035405.D

Acq: 28 Apr 2023 20:44

Instrument :

MSVOA_X

ClientSampleId :

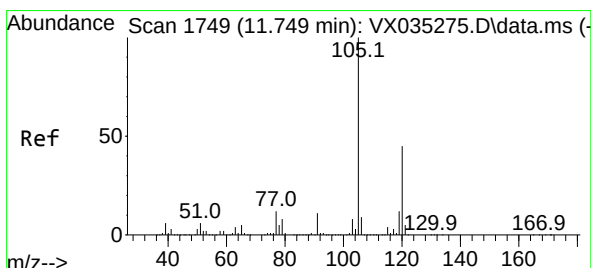
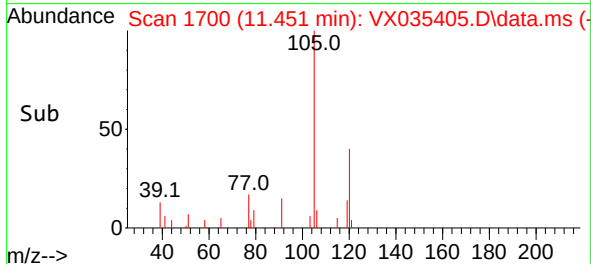
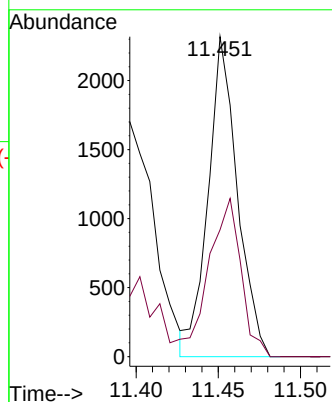
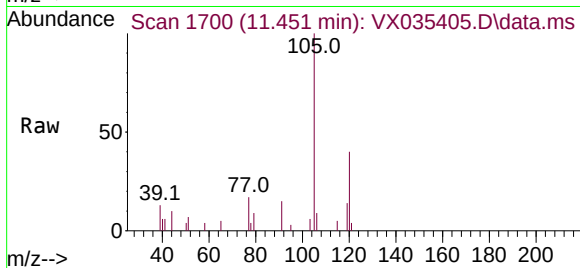
MW-11

Tgt Ion:105 Resp: 2859

Ion Ratio Lower Upper

105 100

120 54.1 23.7 71.1



#84

1,2,4-Trimethylbenzene

Concen: 0.768 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.001 min

Lab File: VX035405.D

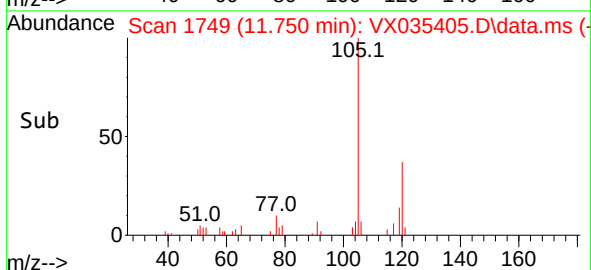
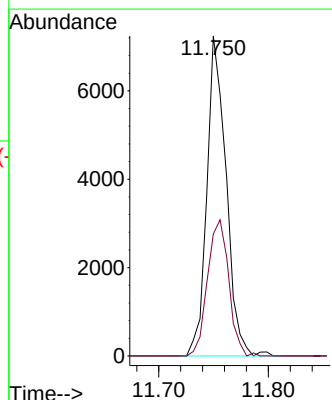
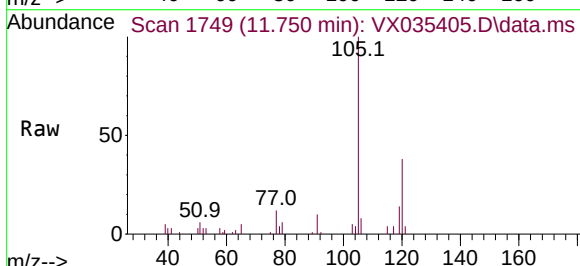
Acq: 28 Apr 2023 20:44

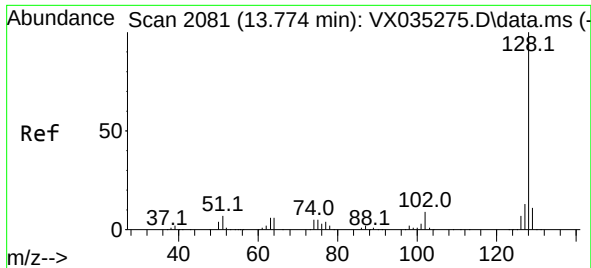
Tgt Ion:105 Resp: 8823

Ion Ratio Lower Upper

105 100

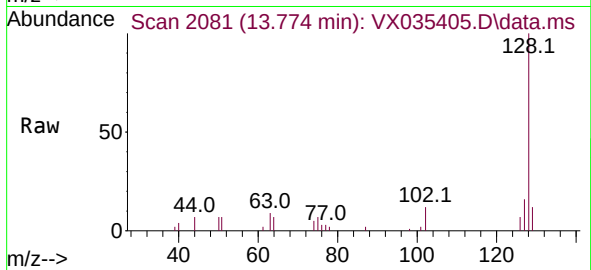
120 46.9 22.4 67.0





#95
Naphthalene
Concen: 0.489 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX035405.D
Acq: 28 Apr 2023 20:44

Instrument :
MSVOA_X
ClientSampleId :
MW-11



Tgt Ion:	128	Resp:	6065
Ion	Ratio	Lower	Upper
128	100		
127	15.3	10.2	15.4
129	10.0	8.6	13.0

