

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082223\
 Data File : VX037153.D
 Acq On : 22 Aug 2023 14:27
 Operator : JC/MD
 Sample : 04086-07
 Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-PP09C

Quant Time: Aug 22 15:39:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

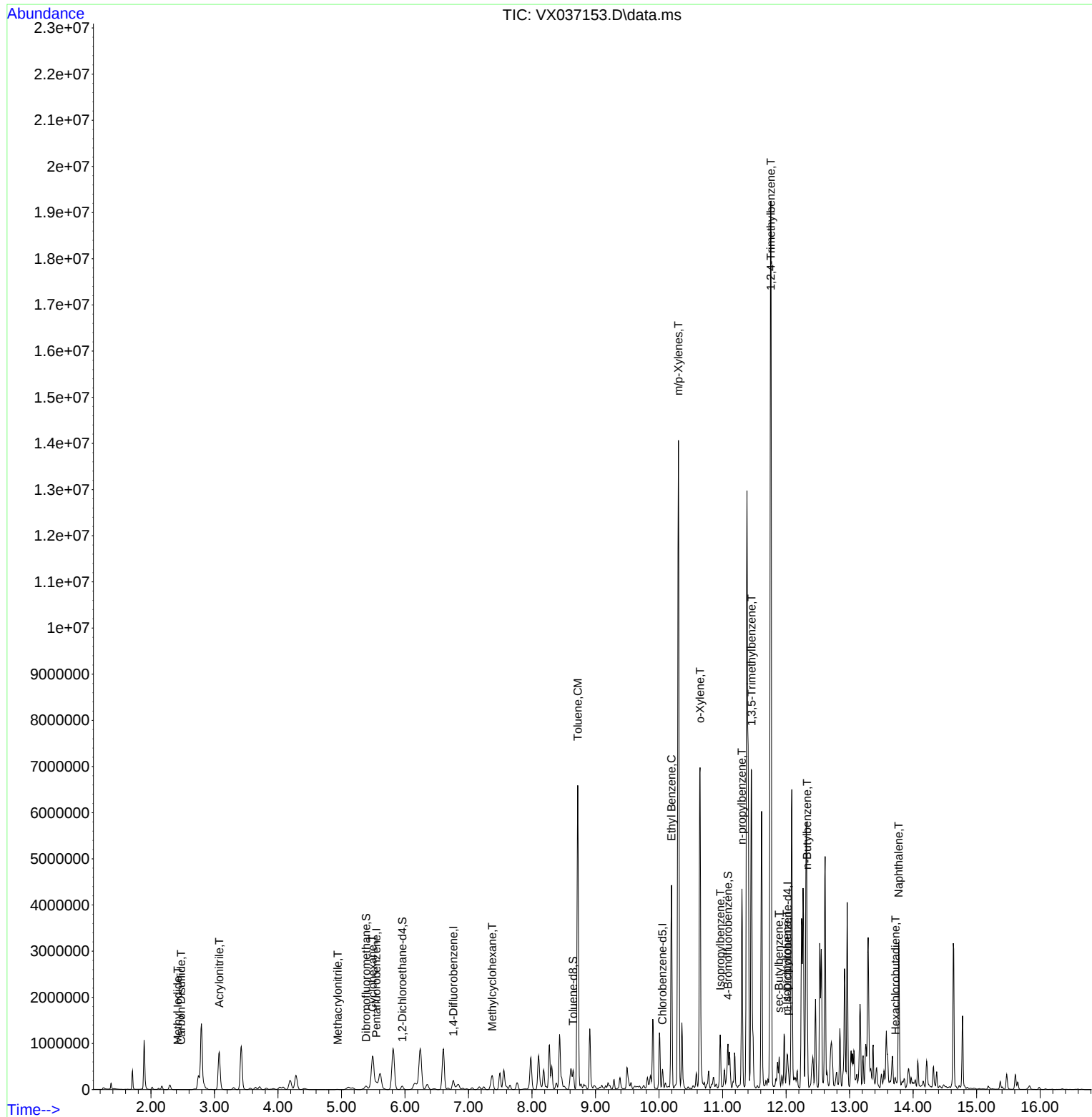
Internal Standards						
1) Pentafluorobenzene	5.550	168	127302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	204725	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76333	41.592	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.180%		
35) Dibromofluoromethane	5.385	113	61818	45.594	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.180%		
50) Toluene-d8	8.647	98	239356	48.668	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.340%		
62) 4-Bromofluorobenzene	11.085	95	104972	54.312	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.620%		
Target Compounds					Qvalue	
10) Methyl Iodide	2.422	142	2872	1.756	ug/l	92
15) Acrylonitrile	3.075	53	21183	27.567	ug/l #	41
17) Carbon Disulfide	2.477	76	1507	0.452	ug/l #	92
31) Cyclohexane	5.489	56	197965	95.931	ug/l #	55
39) Methylcyclohexane	7.373	83	138059	68.216	ug/l	99
41) Methacrylonitrile	4.940	41	2103	2.056	ug/l #	53
52) Toluene	8.720	92	2588271	709.074	ug/l	96
67) Ethyl Benzene	10.195	91	2492571	358.569	ug/l	96
68) m/p-Xylenes	10.305	106	3557516	1325.219	ug/l	85
69) o-Xylene	10.646	106	1644865	621.047	ug/l	93
73) Isopropylbenzene	10.963	105	594750	72.580	ug/l	98
78) n-propylbenzene	11.305	91	2626964	287.898	ug/l	97
80) 1,3,5-Trimethylbenzene	11.457	105	3143255	459.834	ug/l	97
84) 1,2,4-Trimethylbenzene	11.762	105	8821211	1276.882	ug/l	81
85) sec-Butylbenzene	11.890	105	318901	41.880	ug/l	99
86) p-Isopropyltoluene	12.012	119	175784	26.817	ug/l	98
89) n-Butylbenzene	12.329	91	1035905	190.613	ug/l #	34
94) Hexachlorobutadiene	13.725	225	2424	2.923	ug/l	98
95) Naphthalene	13.774	128	1953748	207.760	ug/l	99

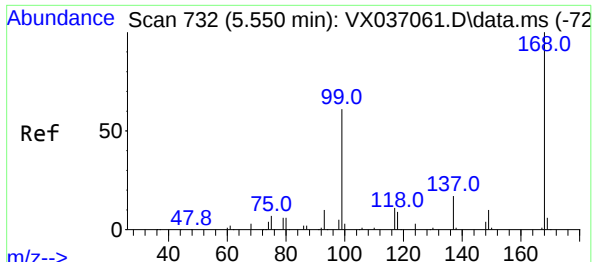
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

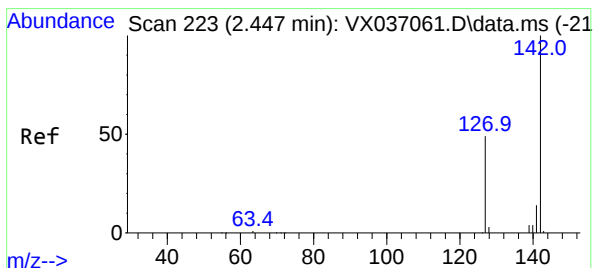
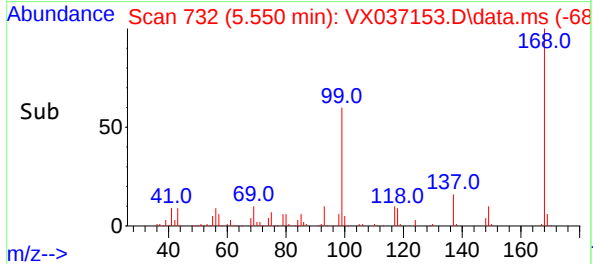
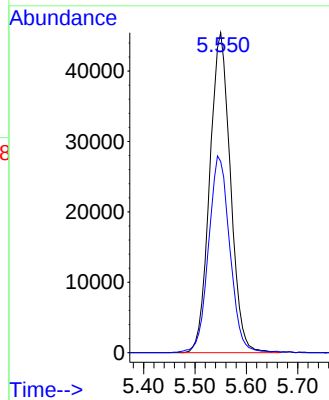
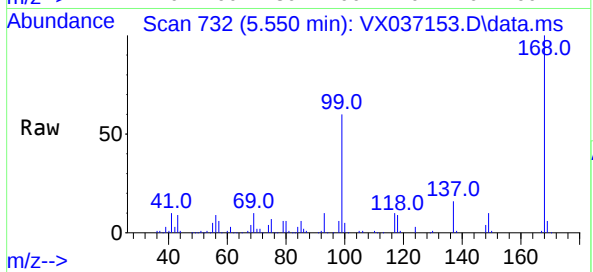




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

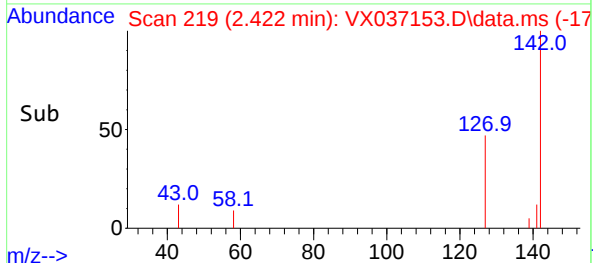
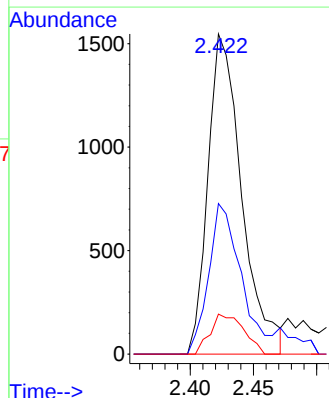
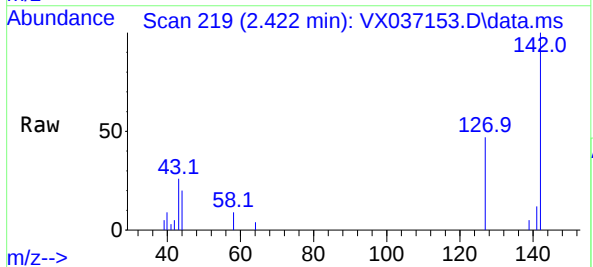
Instrument :
MSVOA_X
ClientSampleId :
B-PP09C

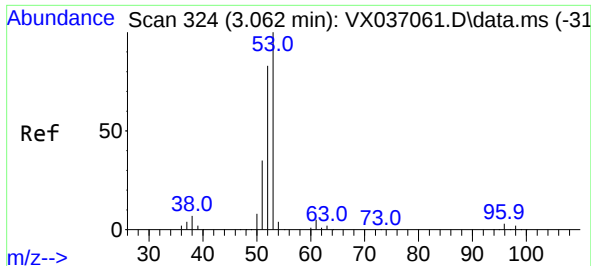
Tgt Ion:168 Resp: 127302
Ion Ratio Lower Upper
168 100
99 59.5 56.6 85.0



#10
Methyl Iodide
Concen: 1.756 ug/l
RT: 2.422 min Scan# 219
Delta R.T. -0.024 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

Tgt Ion:142 Resp: 2872
Ion Ratio Lower Upper
142 100
127 45.5 41.6 62.4
141 12.4 11.6 17.4





#15

Acrylonitrile

Concen: 27.567 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX037153.D

Acq: 22 Aug 2023 14:27

Instrument :

MSVOA_X

ClientSampleId :

B-PP09C

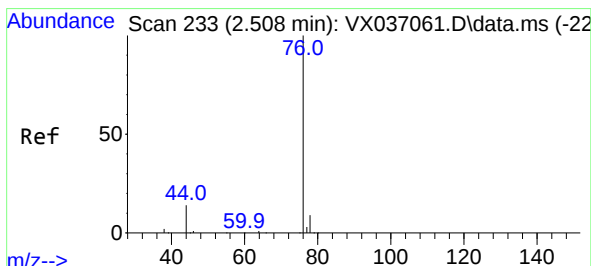
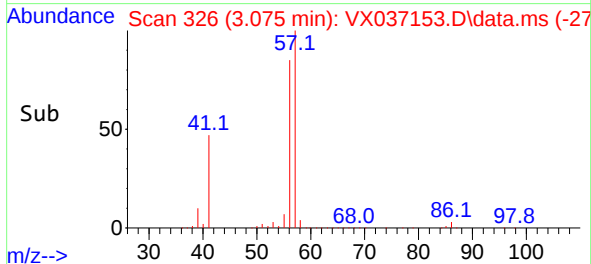
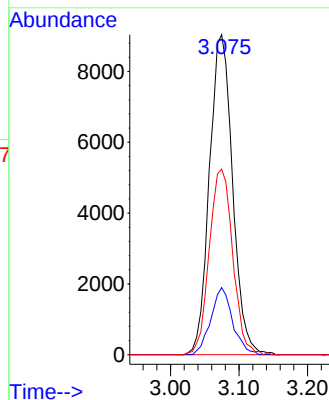
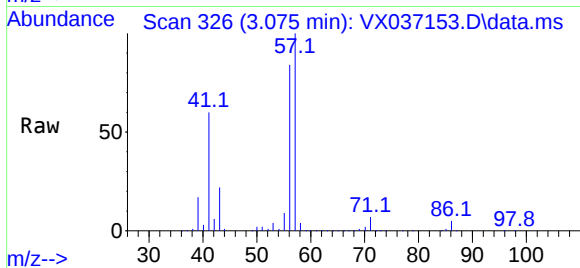
Tgt Ion: 53 Resp: 21183

Ion Ratio Lower Upper

53 100

52 19.7 66.0 99.0#

51 58.8 29.8 44.6#



#17

Carbon Disulfide

Concen: 0.452 ug/l

RT: 2.477 min Scan# 228

Delta R.T. -0.030 min

Lab File: VX037153.D

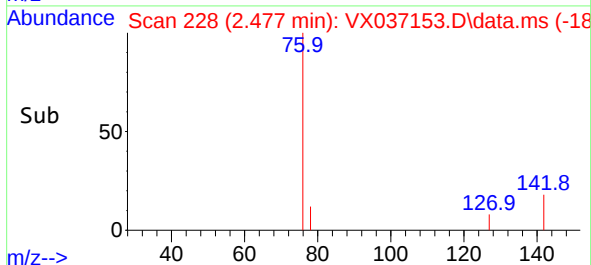
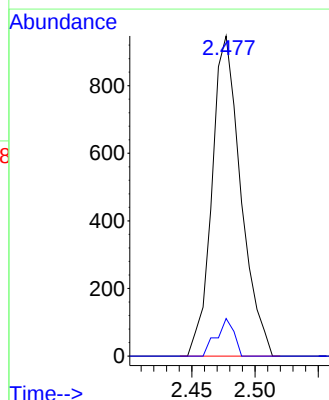
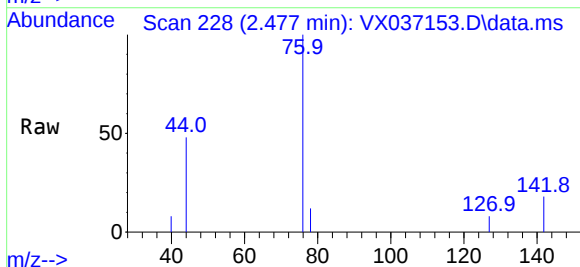
Acq: 22 Aug 2023 14:27

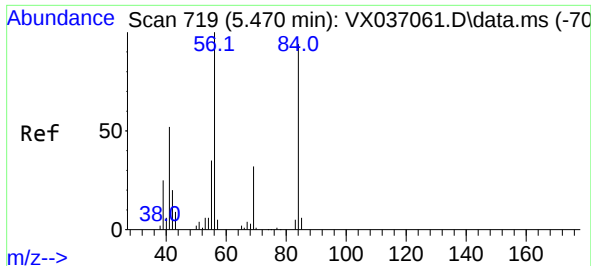
Tgt Ion: 76 Resp: 1507

Ion Ratio Lower Upper

76 100

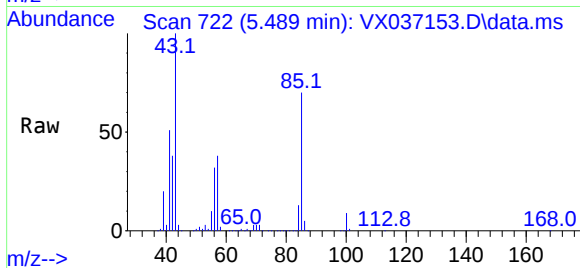
78 11.7 7.0 10.6#



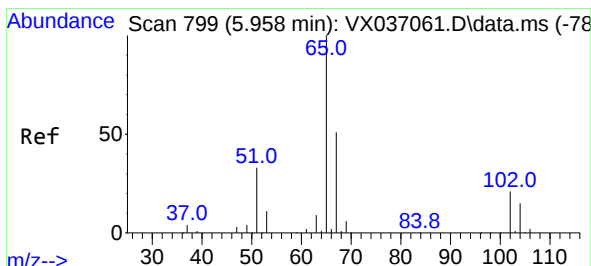
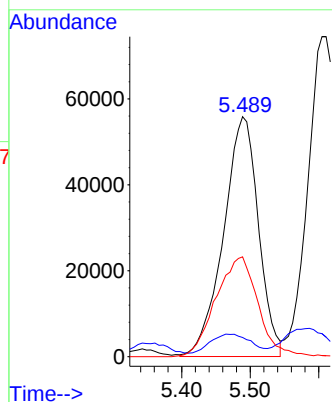
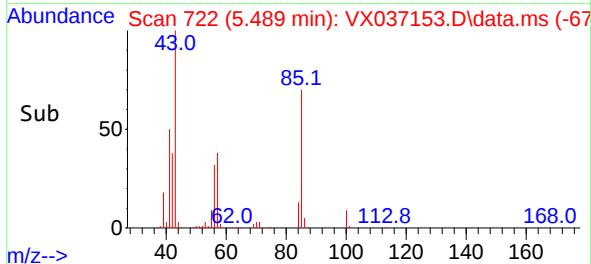


#31
Cyclohexane
Concen: 95.931 ug/l
RT: 5.489 min Scan# 719
Delta R.T. 0.018 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

Instrument :
MSVOA_X
ClientSampleId :
B-PP09C

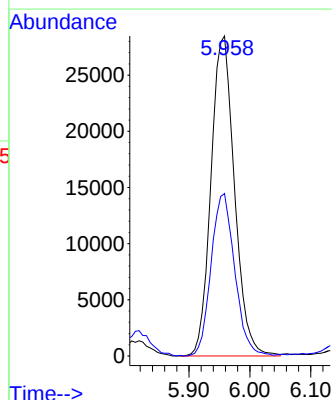
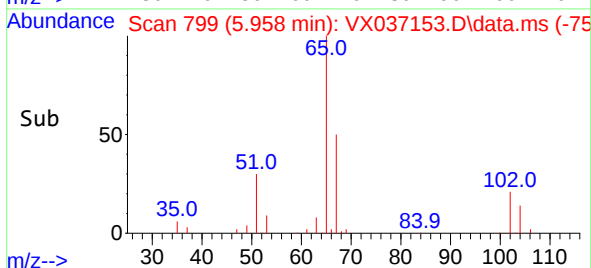
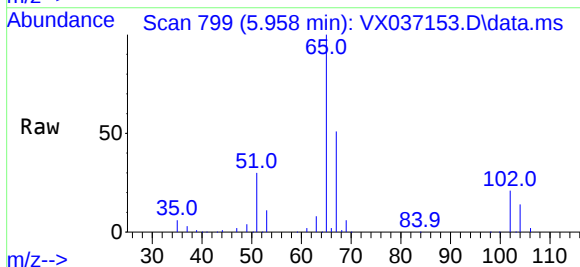


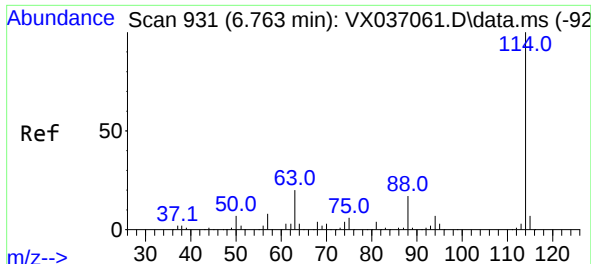
Tgt Ion: 56 Resp: 197965
Ion Ratio Lower Upper
56 100
69 5.9 23.4 35.2#
84 41.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 41.592 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

Tgt Ion: 65 Resp: 76333
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.2

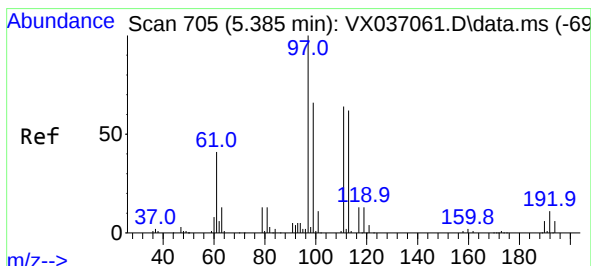
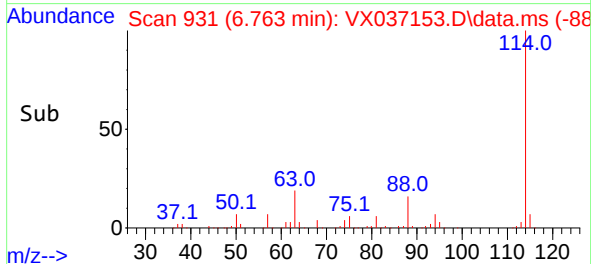
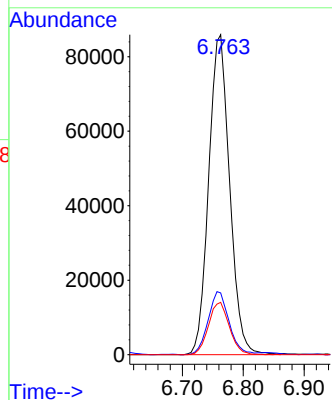
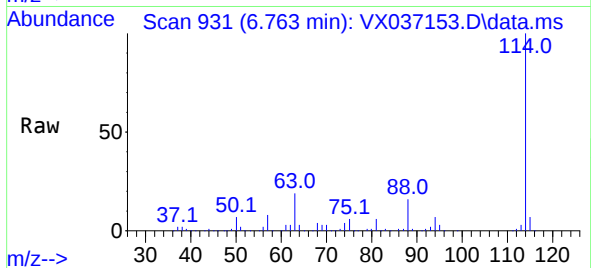




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

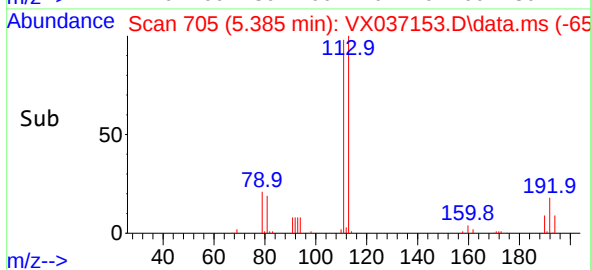
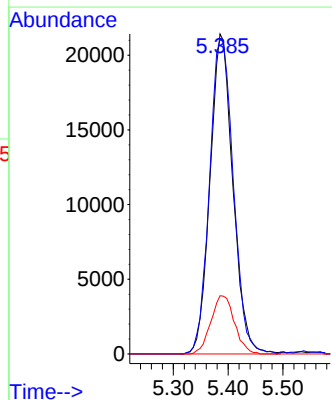
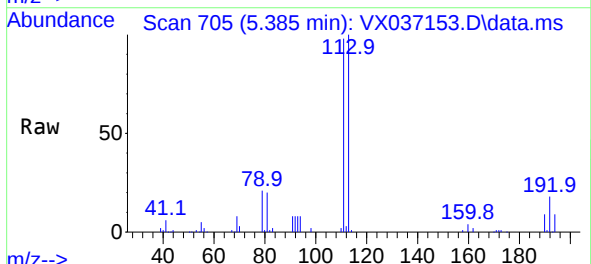
Instrument :
MSVOA_X
ClientSampleId :
B-PP09C

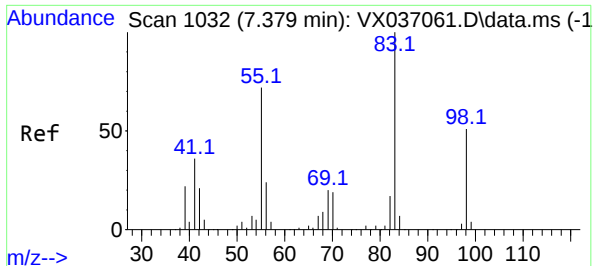
Tgt Ion:114 Resp: 204725
Ion Ratio Lower Upper
114 100
63 19.3 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.594 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

Tgt Ion:113 Resp: 61818
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 18.8 13.3 19.9





#39

Methylcyclohexane

Concen: 68.216 ug/l

RT: 7.373 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX037153.D

Acq: 22 Aug 2023 14:27

Instrument :

MSVOA_X

ClientSampleId :

B-PP09C

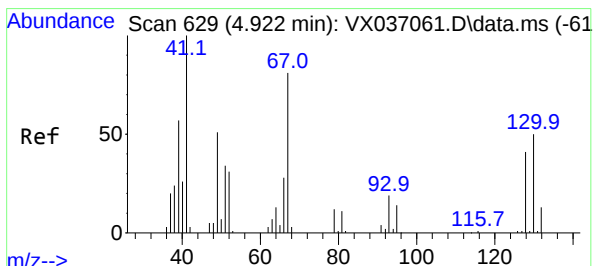
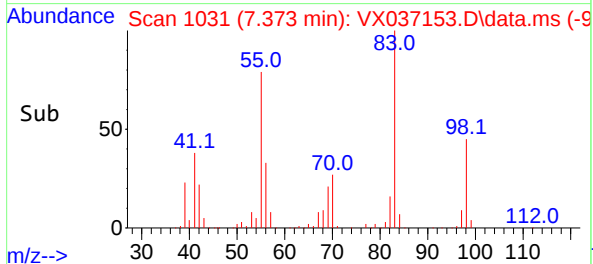
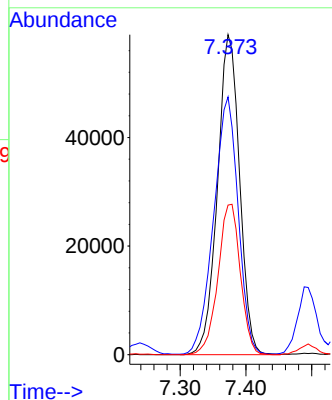
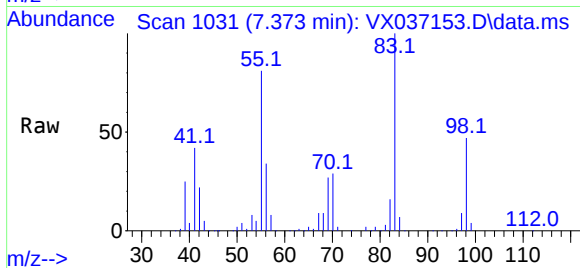
Tgt Ion: 83 Resp: 138059

Ion Ratio Lower Upper

83 100

55 80.4 64.6 97.0

98 46.7 36.7 55.1



#41

Methacrylonitrile

Concen: 2.056 ug/l

RT: 4.940 min Scan# 632

Delta R.T. 0.018 min

Lab File: VX037153.D

Acq: 22 Aug 2023 14:27

Tgt Ion: 41 Resp: 2103

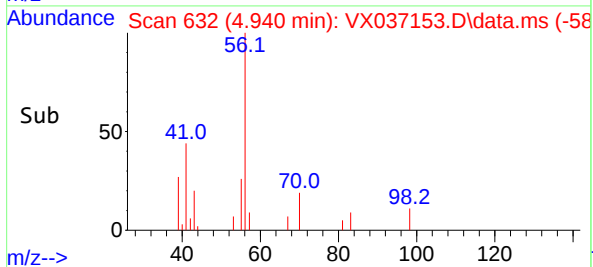
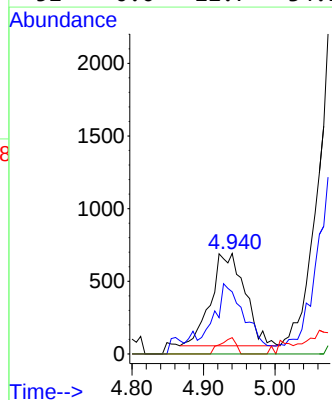
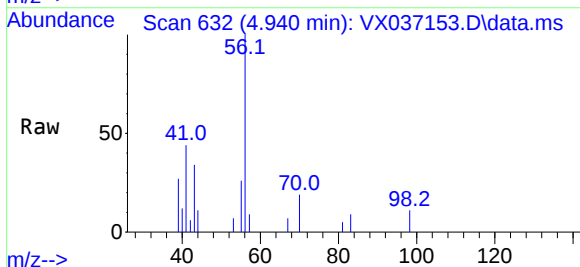
Ion Ratio Lower Upper

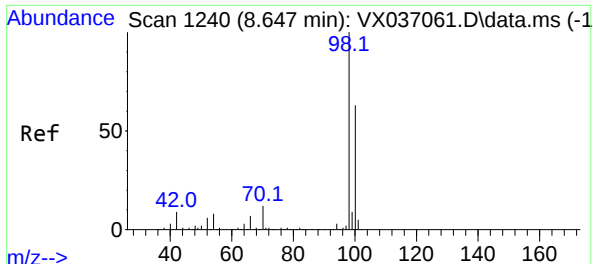
41 100

39 54.2 45.2 67.8

67 0.0 52.6 78.8#

52 0.0 22.7 34.1#

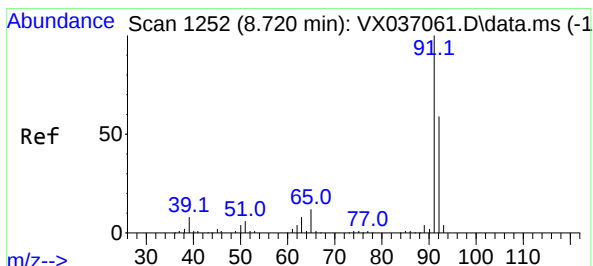
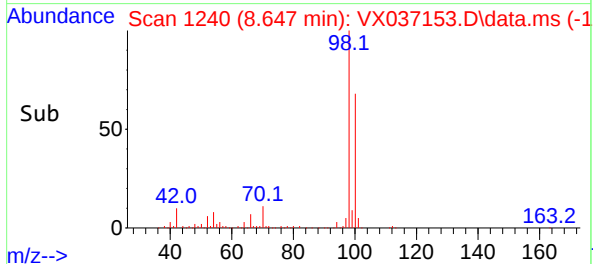
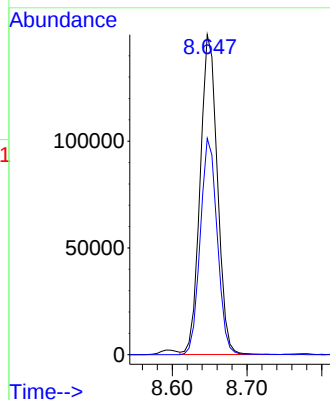
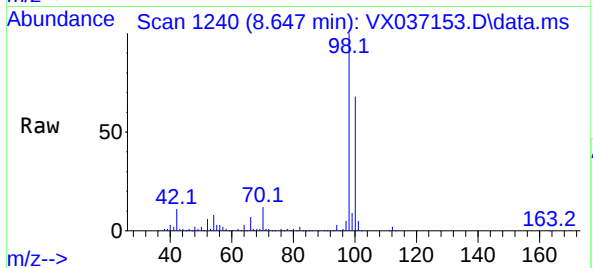




#50
Toluene-d8
Concen: 48.668 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

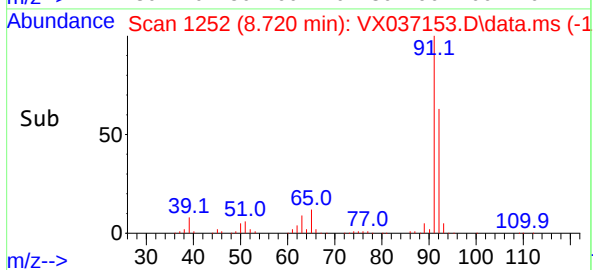
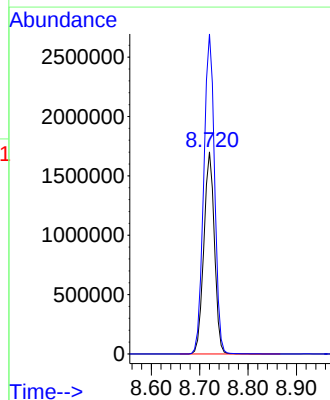
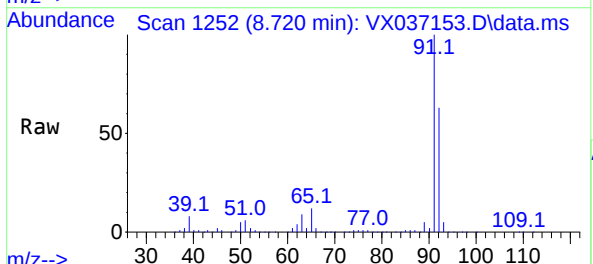
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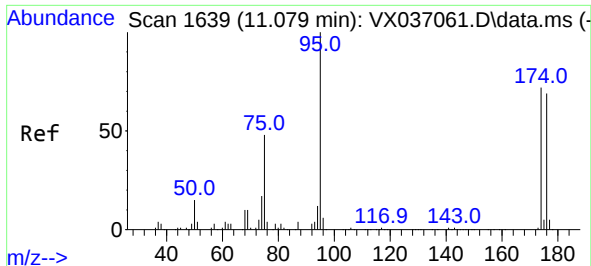
Tgt Ion: 98 Resp: 239356
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#52
Toluene
Concen: 709.074 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

Tgt Ion: 92 Resp: 2588271
Ion Ratio Lower Upper
92 100
91 162.4 134.2 201.2

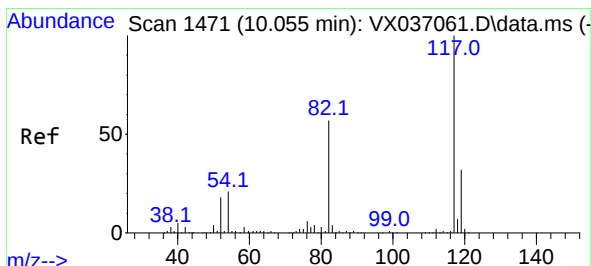
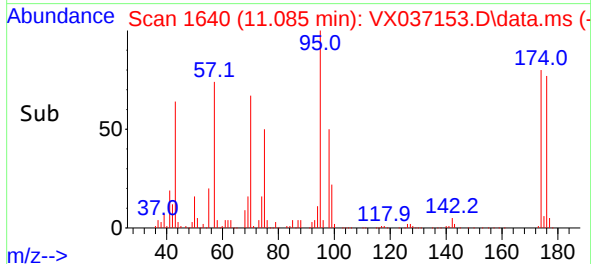
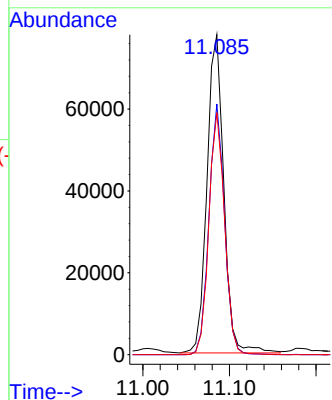
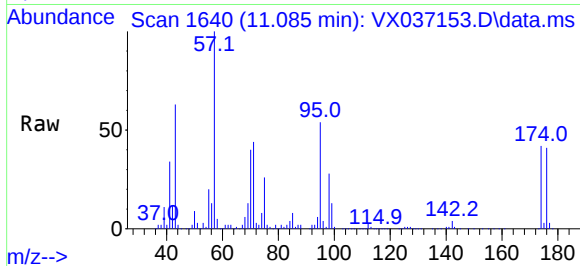




#62
4-Bromofluorobenzene
Concen: 54.312 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

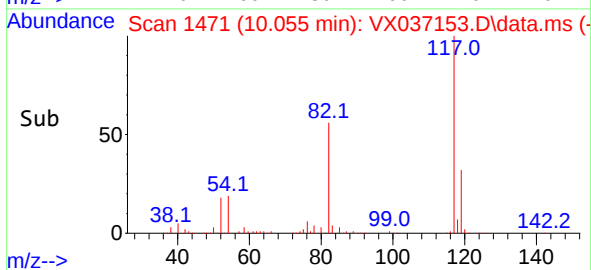
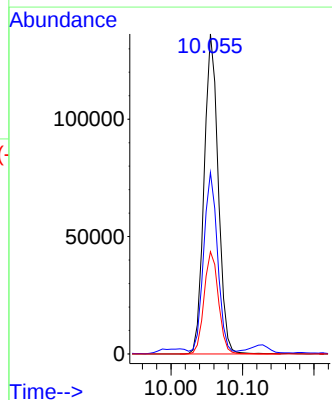
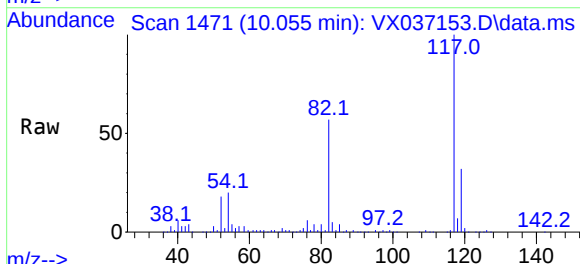
Instrument :
MSVOA_X
ClientSampleId :
B-PP09C

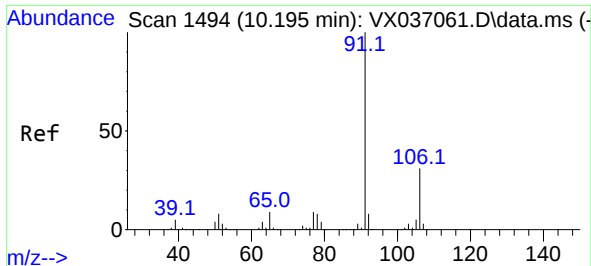
Tgt Ion: 95 Resp: 104972
Ion Ratio Lower Upper
95 100
174 72.8 0.0 135.6
176 71.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

Tgt Ion: 117 Resp: 186916
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 32.0 25.5 38.3

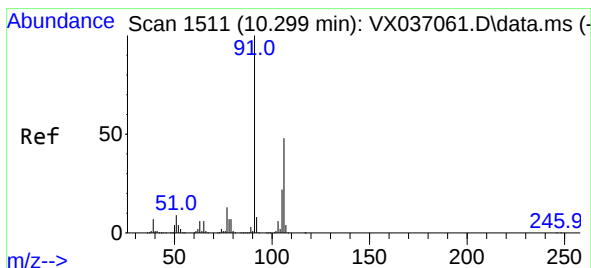
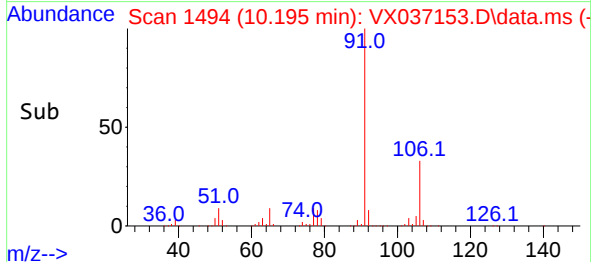
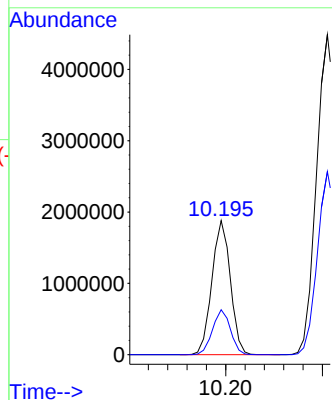
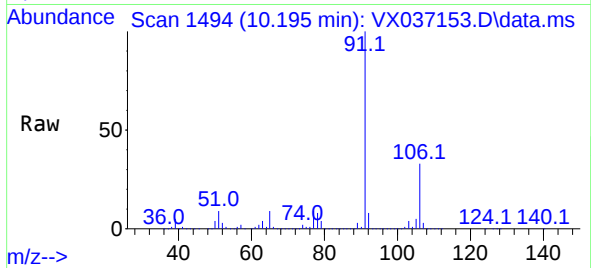




#67
Ethyl Benzene
Concen: 358.569 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

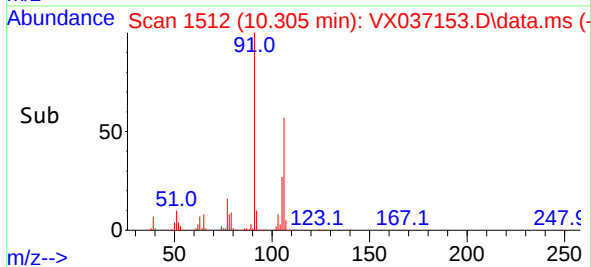
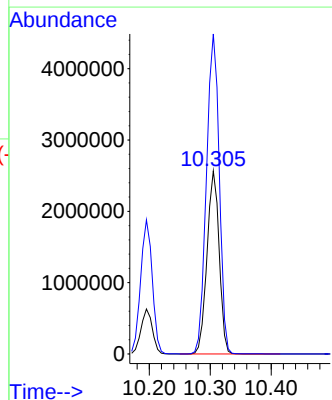
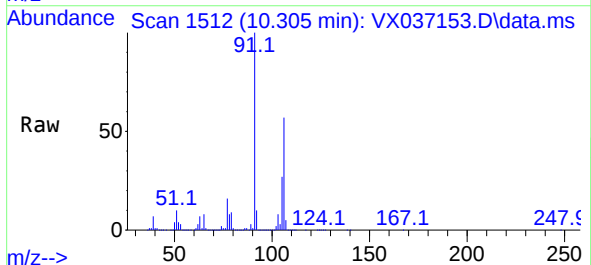
Instrument :
MSVOA_X
ClientSampleId :
B-PP09C

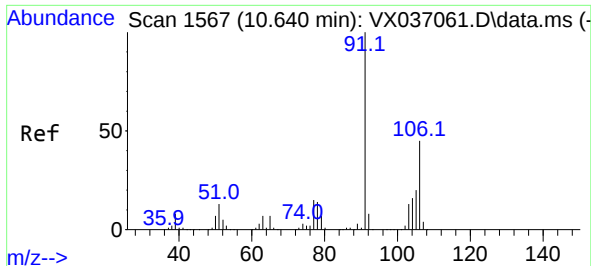
Tgt Ion: 91 Resp: 2492571
Ion Ratio Lower Upper
91 100
106 33.5 24.9 37.3



#68
m/p-Xylenes
Concen: 1325.219 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

Tgt Ion: 106 Resp: 3557516
Ion Ratio Lower Upper
106 100
91 184.1 165.5 248.3

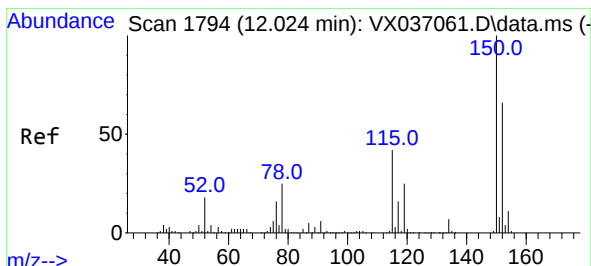
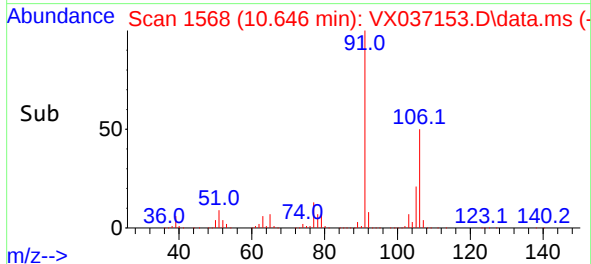
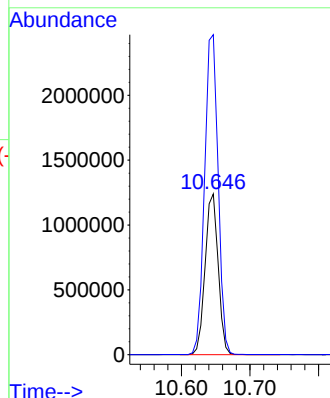
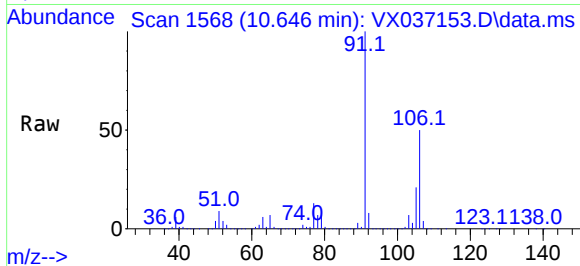




#69
o-Xylene
Concen: 621.047 ug/l
RT: 10.646 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

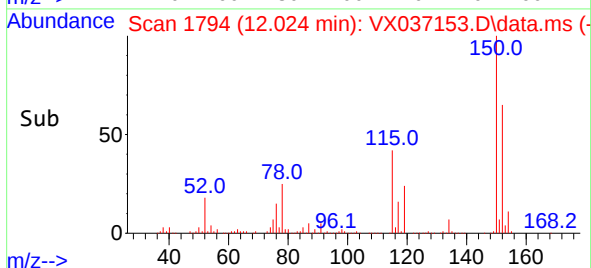
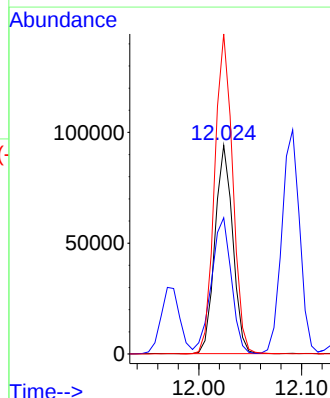
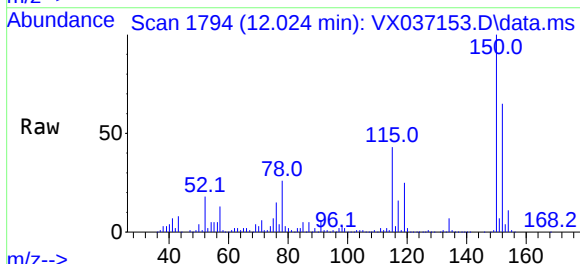
Instrument :
MSVOA_X
ClientSampleId :
B-PP09C

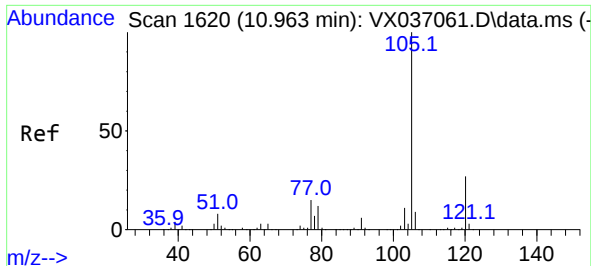
Tgt Ion:106 Resp: 1644865
Ion Ratio Lower Upper
106 100
91 206.5 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

Tgt Ion:152 Resp: 112739
Ion Ratio Lower Upper
152 100
115 72.6 43.3 129.9
150 156.3 0.0 345.0

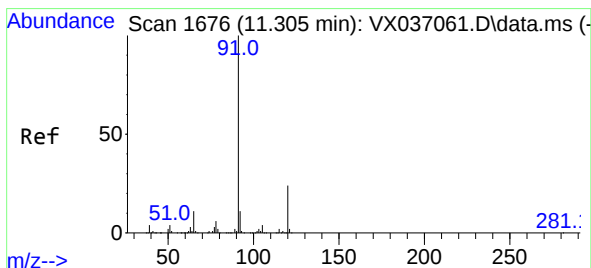
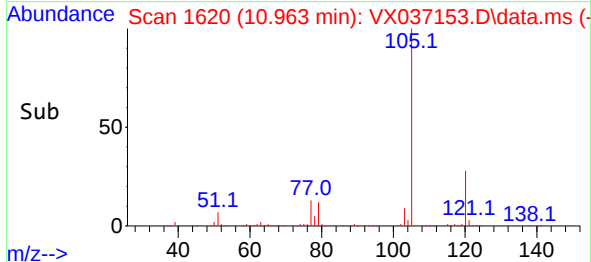
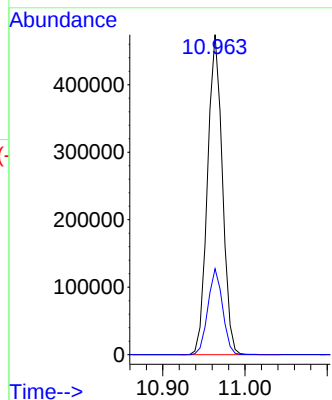
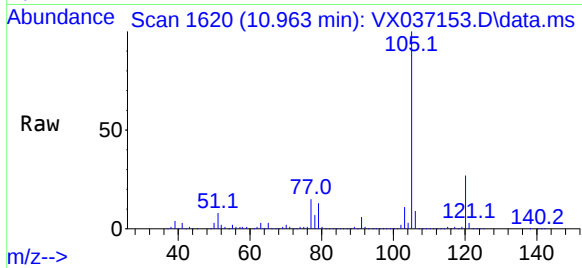




#73
Isopropylbenzene
Concen: 72.580 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

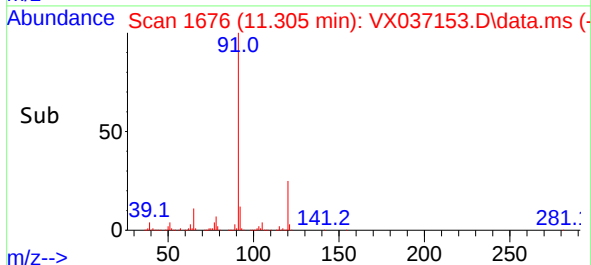
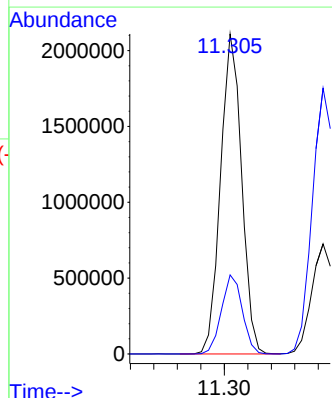
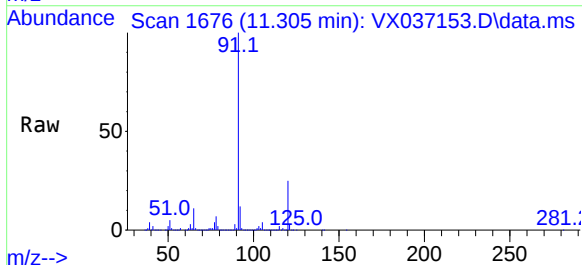
Instrument :
MSVOA_X
ClientSampleId :
B-PP09C

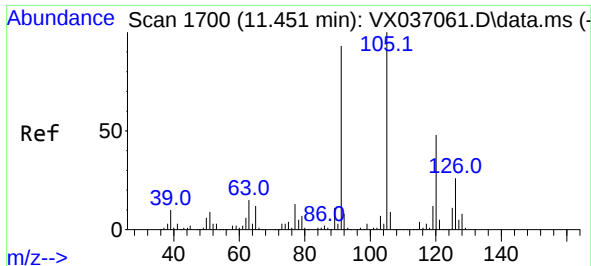
Tgt Ion:105 Resp: 594750
Ion Ratio Lower Upper
105 100
120 26.5 12.9 38.6



#78
n-propylbenzene
Concen: 287.898 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

Tgt Ion: 91 Resp: 2626964
Ion Ratio Lower Upper
91 100
120 24.5 11.5 34.4

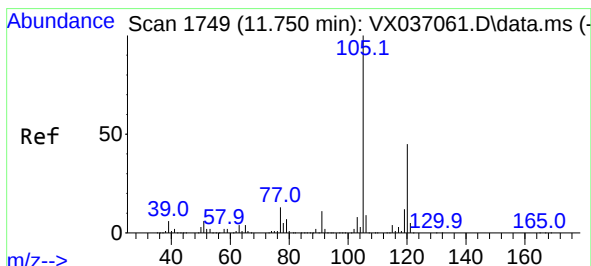
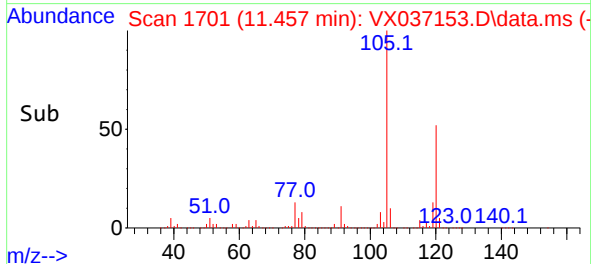
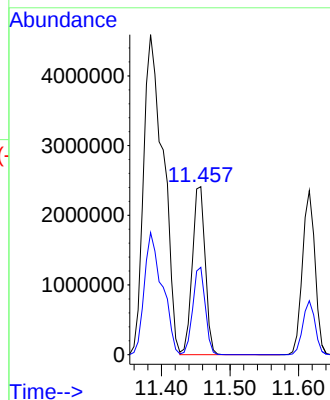
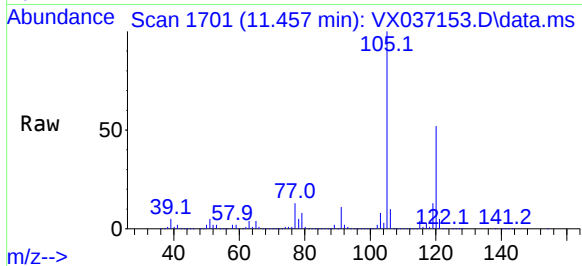




#80
1,3,5-Trimethylbenzene
Concen: 459.834 ug/l
RT: 11.457 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

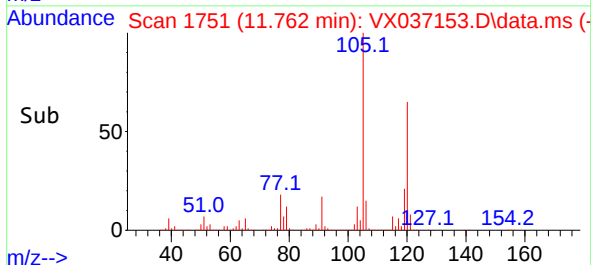
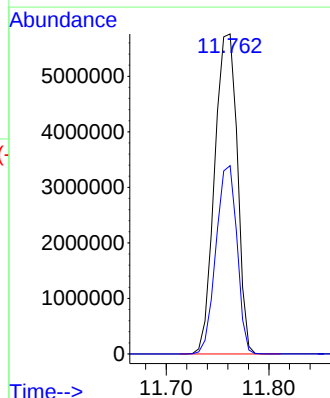
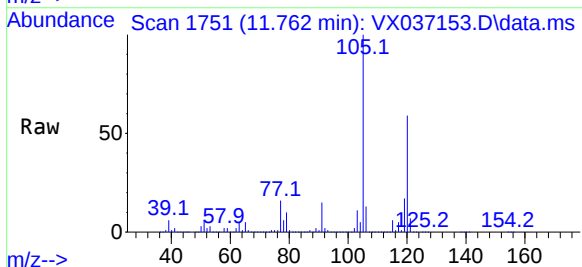
Instrument :
MSVOA_X
ClientSampleId :
B-PP09C

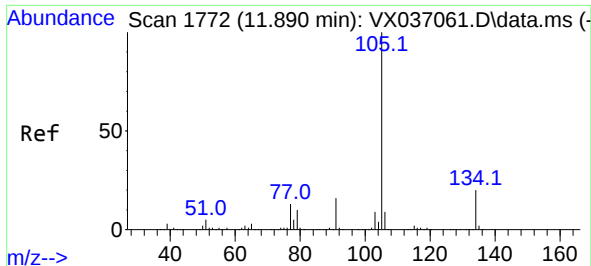
Tgt Ion:105 Resp: 3143255
Ion Ratio Lower Upper
105 100
120 50.5 24.1 72.3



#84
1,2,4-Trimethylbenzene
Concen: 1276.882 ug/l
RT: 11.762 min Scan# 1751
Delta R.T. 0.012 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

Tgt Ion:105 Resp: 8821211
Ion Ratio Lower Upper
105 100
120 54.4 21.2 63.6

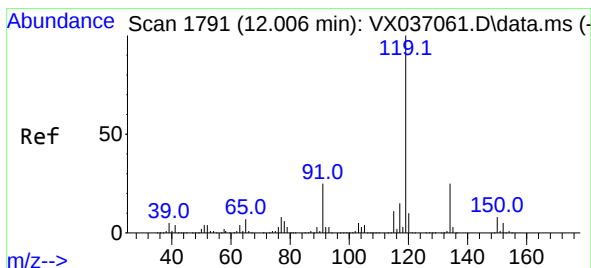
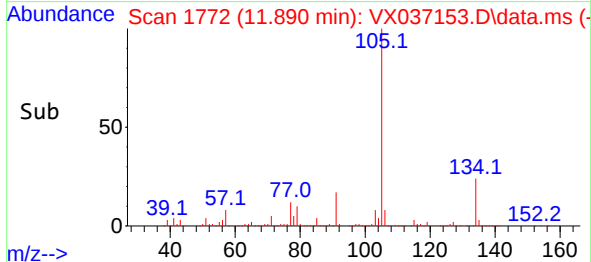
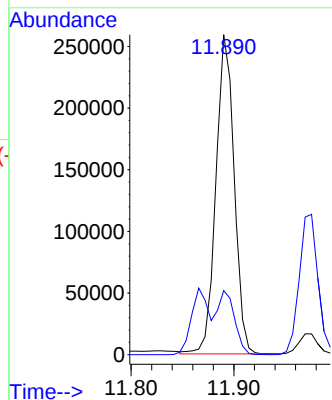
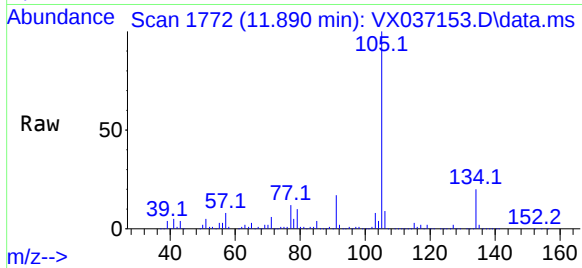




#85
sec-Butylbenzene
Concen: 41.880 ug/l
RT: 11.890 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

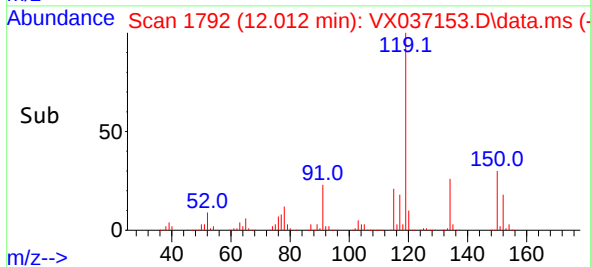
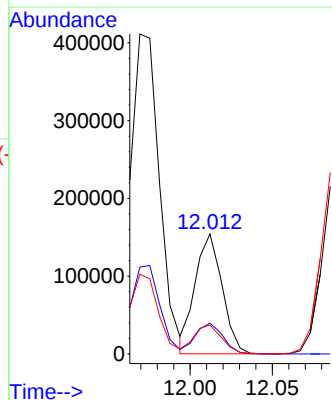
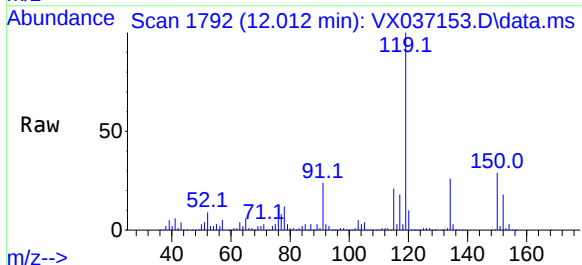
Instrument :
MSVOA_X
ClientSampleId :
B-PP09C

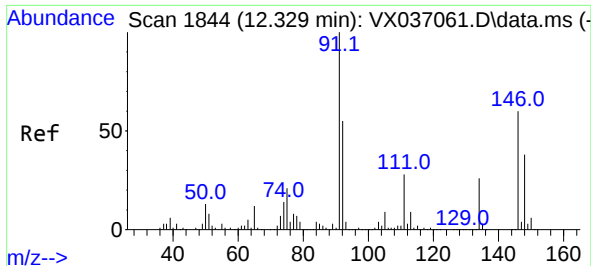
Tgt Ion:105 Resp: 318901
Ion Ratio Lower Upper
105 100
134 19.0 9.8 29.4



#86
p-Isopropyltoluene
Concen: 26.817 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

Tgt Ion:119 Resp: 175784
Ion Ratio Lower Upper
119 100
134 26.2 12.8 38.3
91 24.4 13.1 39.3





#89

n-Butylbenzene

Concen: 190.613 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX037153.D

Acq: 22 Aug 2023 14:27

Instrument :

MSVOA_X

ClientSampleId :

B-PP09C

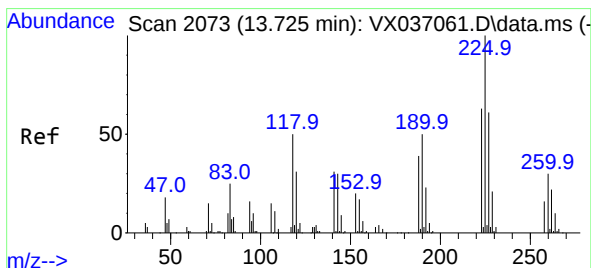
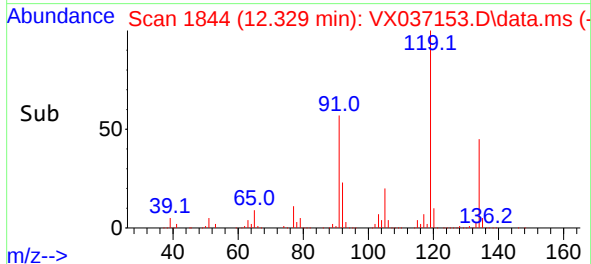
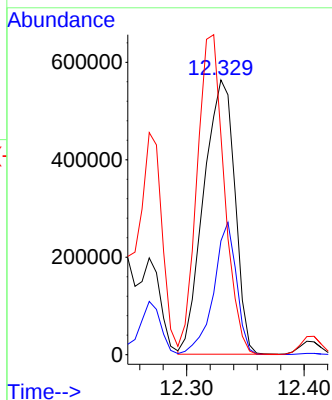
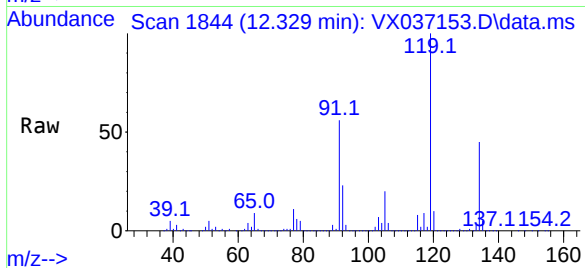
Tgt Ion: 91 Resp: 1035905

Ion Ratio Lower Upper

91 100

92 35.6 27.4 82.0

134 101.5 12.6 37.8#



#94

Hexachlorobutadiene

Concen: 2.923 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX037153.D

Acq: 22 Aug 2023 14:27

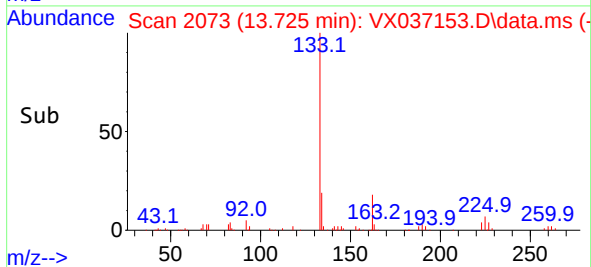
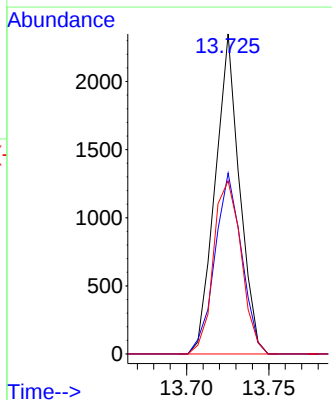
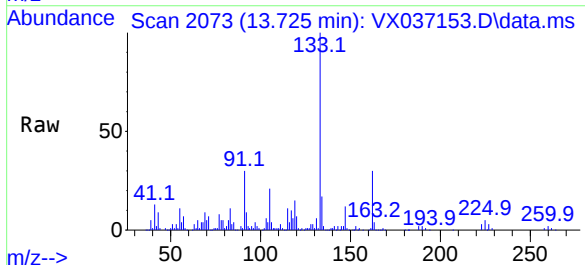
Tgt Ion: 225 Resp: 2424

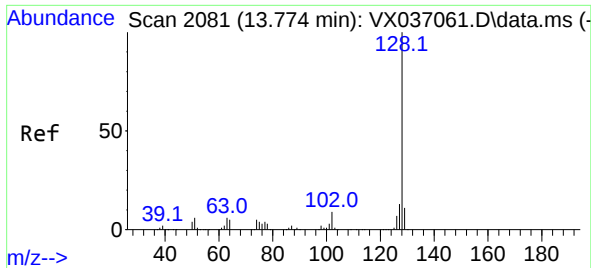
Ion Ratio Lower Upper

225 100

223 62.0 31.1 93.2

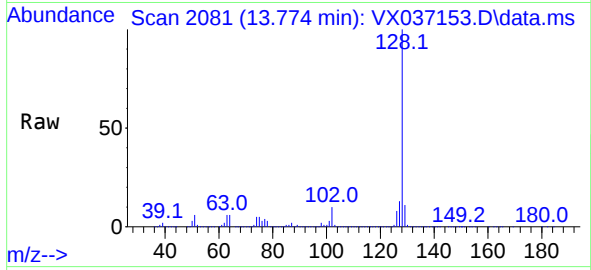
227 61.6 32.5 97.5





#95
Naphthalene
Concen: 207.760 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX037153.D
Acq: 22 Aug 2023 14:27

Instrument :
MSVOA_X
ClientSampleId :
B-PP09C



Tgt Ion:128 Resp: 1953748

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.5	8.8	13.2

