

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010324\
 Data File : VX039606.D
 Acq On : 03 Jan 2024 16:44
 Operator : JC/MD
 Sample : P1002-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1218

Quant Time: Jan 04 03:34:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

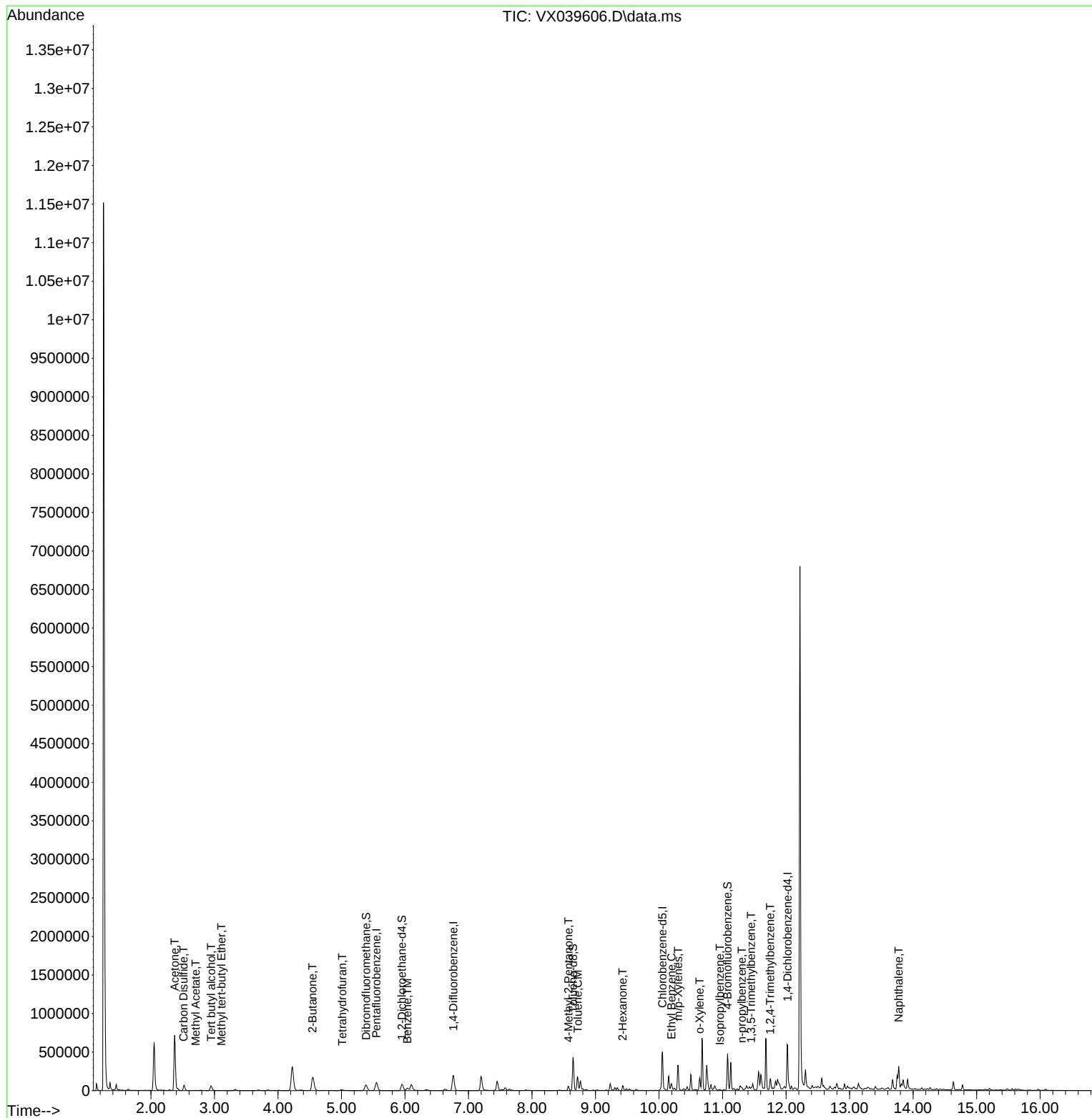
Internal Standards						
1) Pentafluorobenzene	5.550	168	89664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	196917	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79236	48.239	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.480%
35) Dibromofluoromethane	5.385	113	63311	46.539	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.080%
50) Toluene-d8	8.647	98	250314	49.562	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.120%
62) 4-Bromofluorobenzene	11.079	95	120065	57.618	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.240%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	71948	174.428	ug/l #	92
16) Acetone	2.373	43	742106	849.244	ug/l	93
17) Carbon Disulfide	2.514	76	21967	6.510	ug/l	100
18) Methyl Acetate	2.702	43	5652	1.591	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	1149	0.276	ug/l	96
25) 2-Butanone	4.544	43	310098	218.776	ug/l	100
29) Tetrahydrofuran	5.013	42	4749	6.067	ug/l #	83
40) Benzene	6.037	78	38952	6.414	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	34747	12.645	ug/l	98
52) Toluene	8.720	92	59845	16.328	ug/l	94
59) 2-Hexanone	9.427	43	37115	15.650	ug/l	97
67) Ethyl Benzene	10.195	91	46308	5.312	ug/l	100
68) m/p-Xylenes	10.299	106	69293	22.168	ug/l	93
69) o-Xylene	10.640	106	29958	9.913	ug/l	92
73) Isopropylbenzene	10.957	105	2572	0.305	ug/l	97
78) n-propylbenzene	11.305	91	8893	0.855	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	10674	1.484	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	49517	6.714	ug/l	99
95) Naphthalene	13.774	128	156484	19.554	ug/l	100

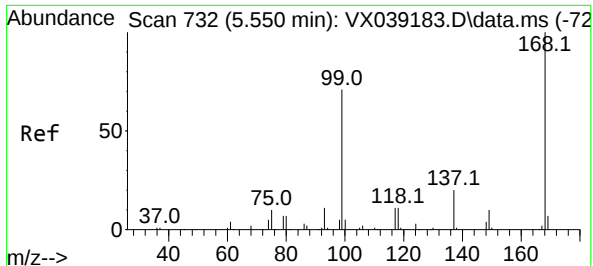
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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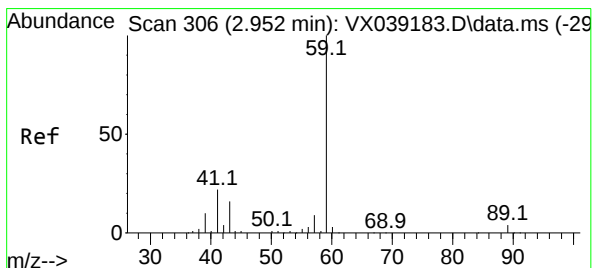
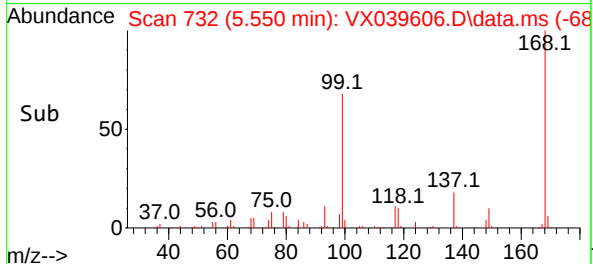
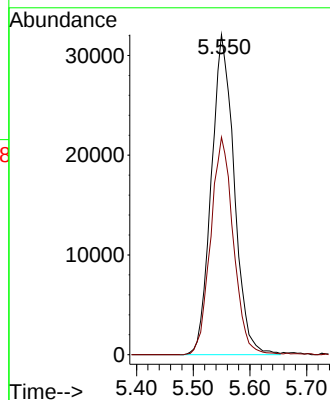
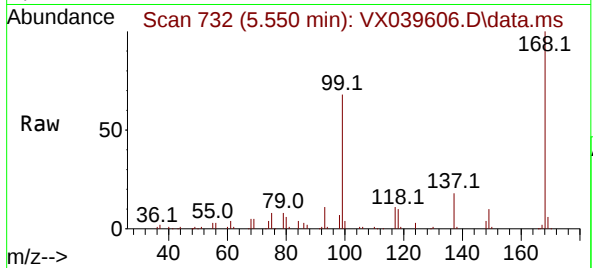




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039606.D
Acq: 03 Jan 2024 16:44

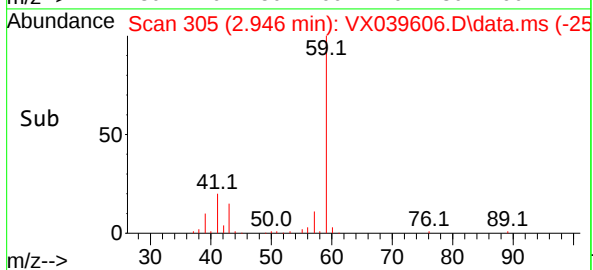
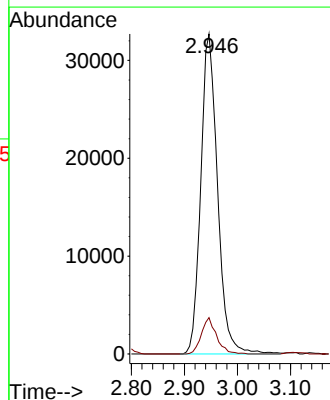
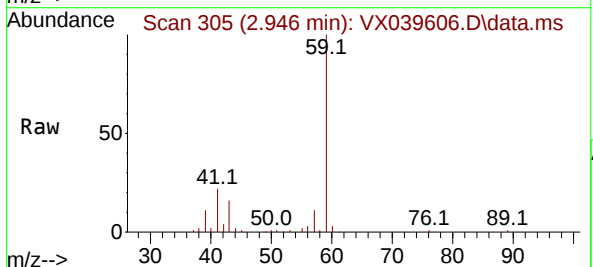
Instrument :
MSVOA_X
ClientSampleId :
1218

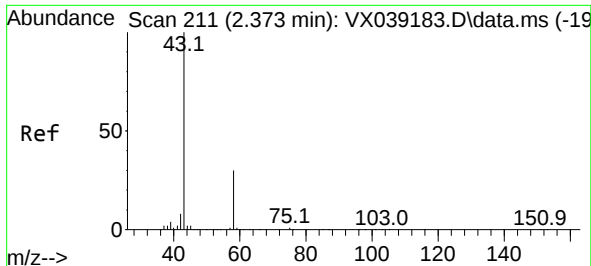
Tgt Ion:168 Resp: 89664
Ion Ratio Lower Upper
168 100
99 68.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 174.428 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039606.D
Acq: 03 Jan 2024 16:44

Tgt Ion: 59 Resp: 71948
Ion Ratio Lower Upper
59 100
57 10.3 6.0 9.0#

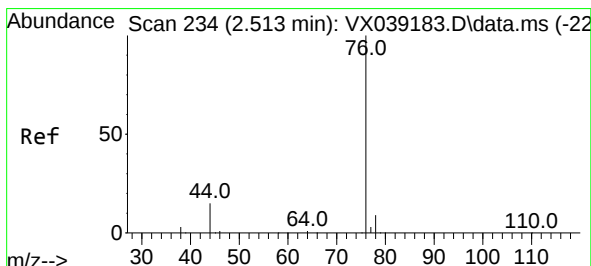
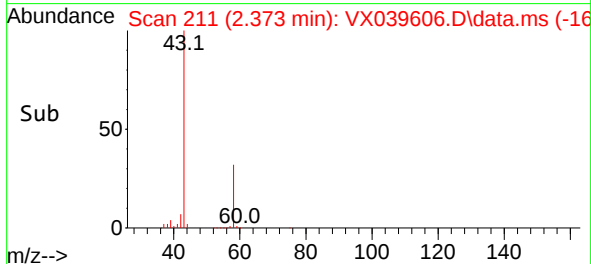
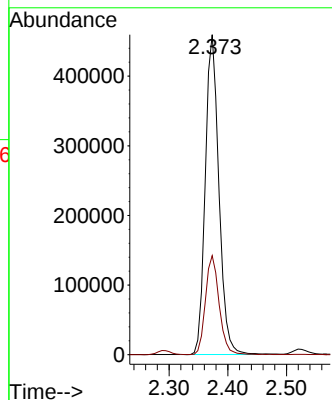
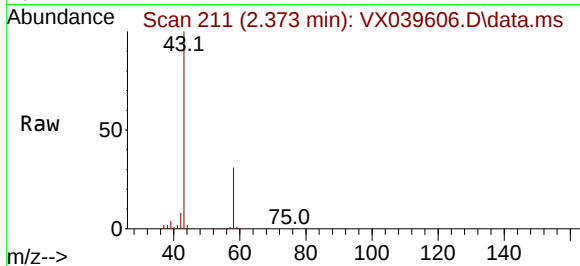




#16
Acetone
Concen: 849.244 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039606.D
Acq: 03 Jan 2024 16:44

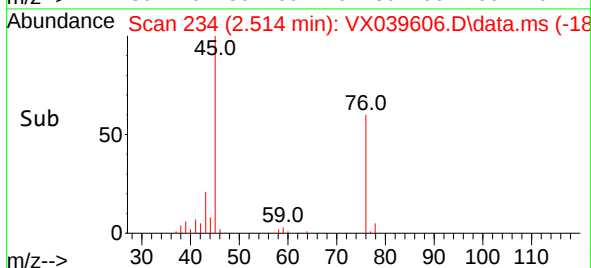
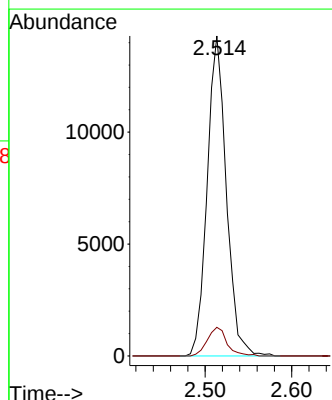
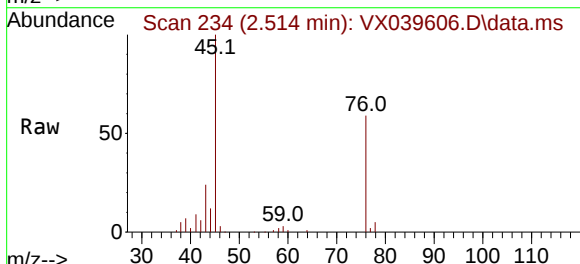
Instrument :
MSVOA_X
ClientSampleId :
1218

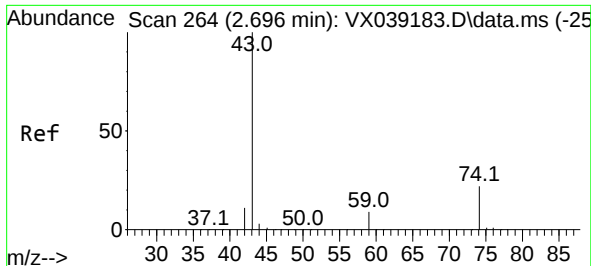
Tgt Ion: 43 Resp: 742106
Ion Ratio Lower Upper
43 100
58 30.9 21.9 32.9



#17
Carbon Disulfide
Concen: 6.510 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX039606.D
Acq: 03 Jan 2024 16:44

Tgt Ion: 76 Resp: 21967
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6

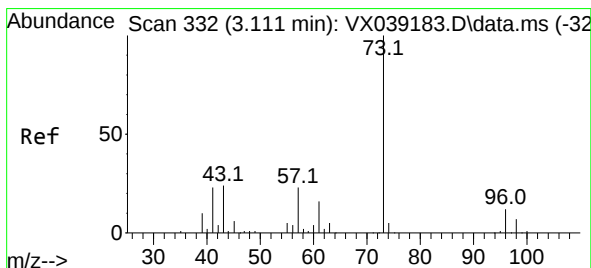
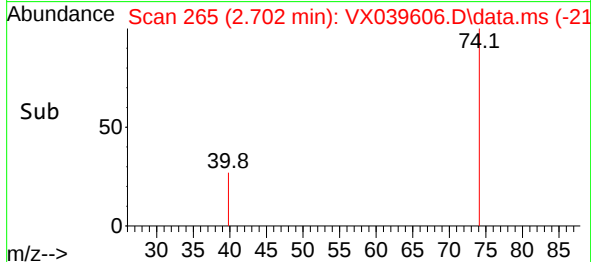
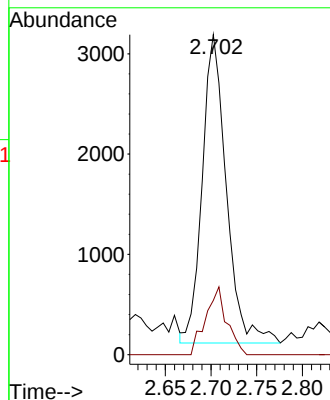
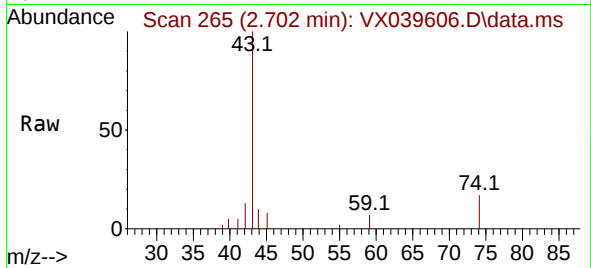




#18
Methyl Acetate
Concen: 1.591 ug/l
RT: 2.702 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX039606.D
Acq: 03 Jan 2024 16:44

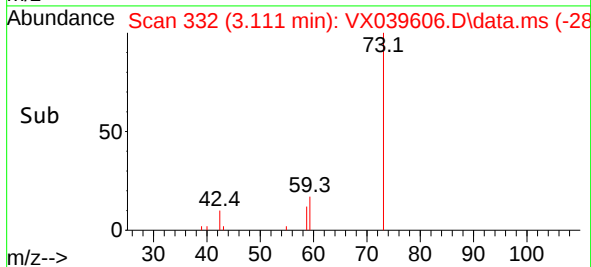
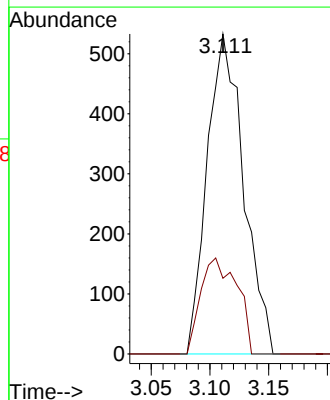
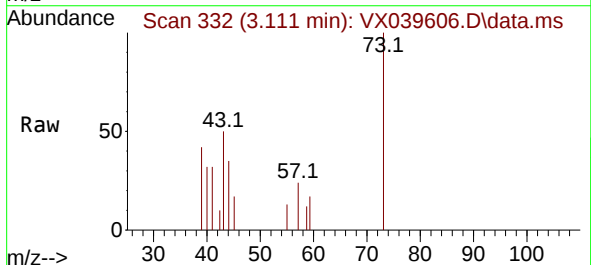
Instrument :
MSVOA_X
ClientSampleId :
1218

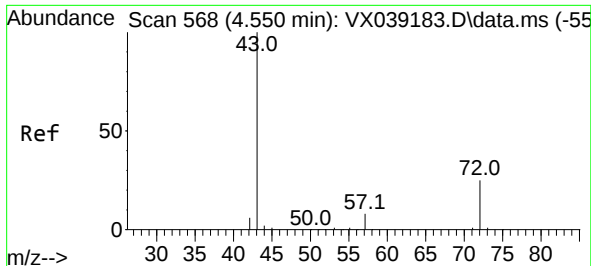
Tgt Ion: 43 Resp: 5652
Ion Ratio Lower Upper
43 100
74 19.2 17.8 26.8



#19
Methyl tert-butyl Ether
Concen: 0.276 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX039606.D
Acq: 03 Jan 2024 16:44

Tgt Ion: 73 Resp: 1149
Ion Ratio Lower Upper
73 100
57 23.6 17.3 25.9

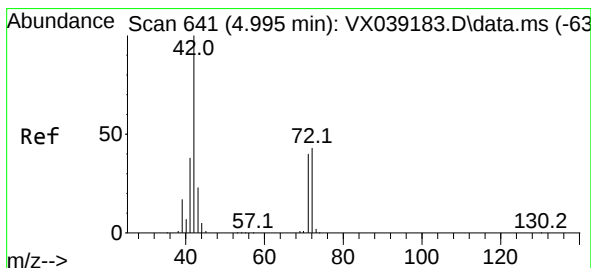
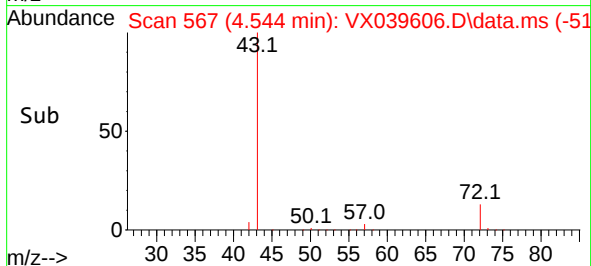
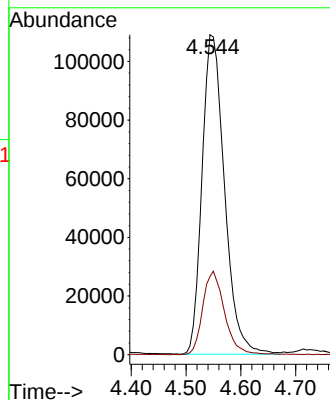
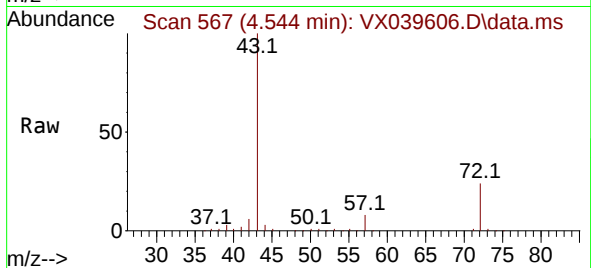




#25
2-Butanone
Concen: 218.776 ug/l
RT: 4.544 min Scan# 501
Delta R.T. -0.006 min
Lab File: VX039606.D
Acq: 03 Jan 2024 16:44

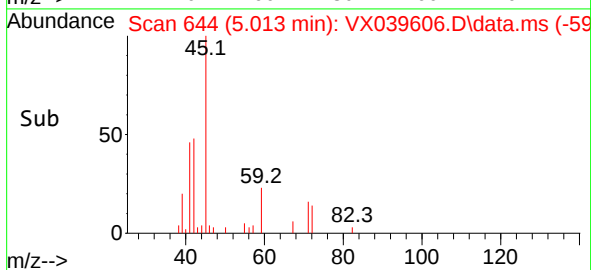
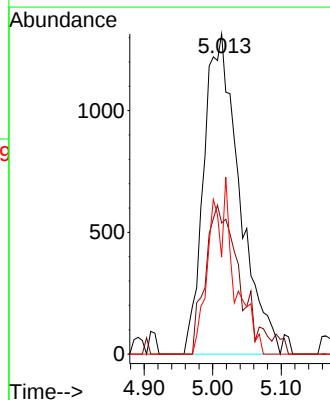
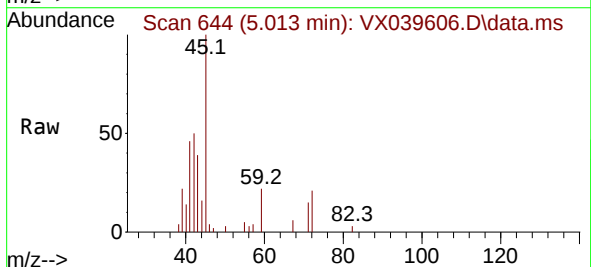
Instrument :
MSVOA_X
ClientSampleId :
1218

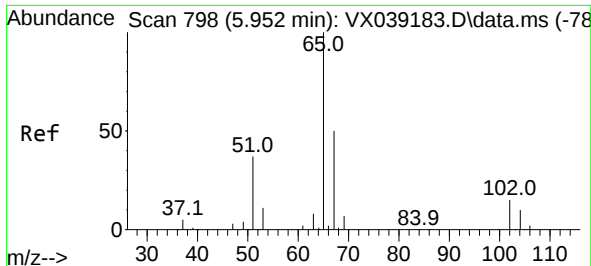
Tgt Ion: 43 Resp: 310098
Ion Ratio Lower Upper
43 100
72 24.5 19.4 29.2



#29
Tetrahydrofuran
Concen: 6.067 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.018 min
Lab File: VX039606.D
Acq: 03 Jan 2024 16:44

Tgt Ion: 42 Resp: 4749
Ion Ratio Lower Upper
42 100
72 44.5 34.2 51.4
71 19.7 32.2 48.2#





#33

1,2-Dichloroethane-d4

Concen: 48.239 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039606.D

Acq: 03 Jan 2024 16:44

Instrument :

MSVOA_X

ClientSampleId :

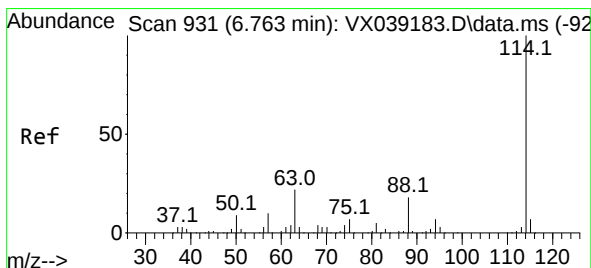
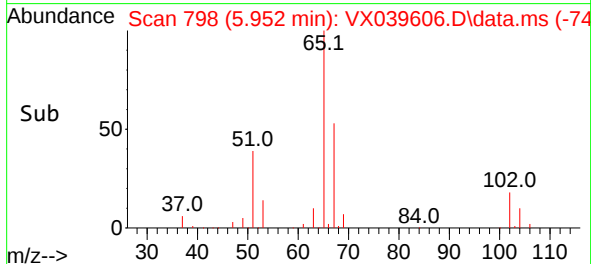
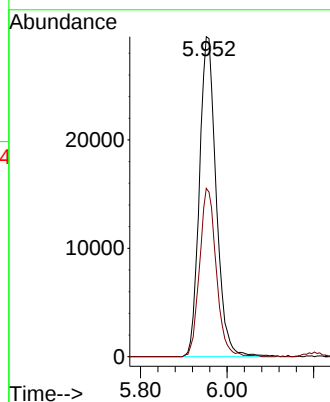
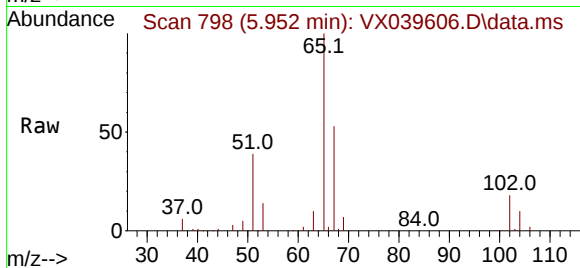
1218

Tgt Ion: 65 Resp: 79236

Ion Ratio Lower Upper

65 100

67 52.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX039606.D

Acq: 03 Jan 2024 16:44

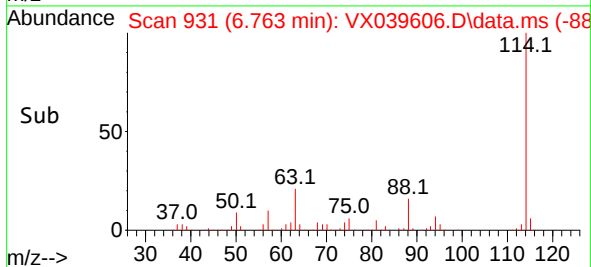
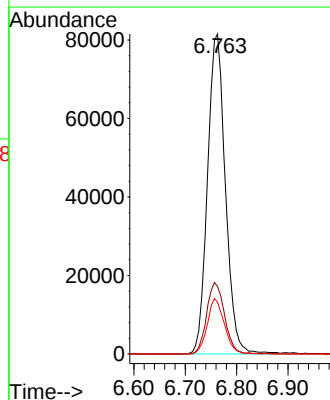
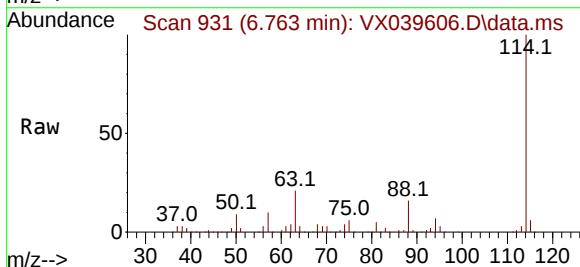
Tgt Ion: 114 Resp: 196917

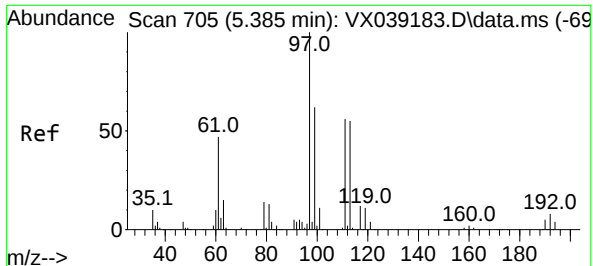
Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.0

88 16.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.539 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX039606.D

Acq: 03 Jan 2024 16:44

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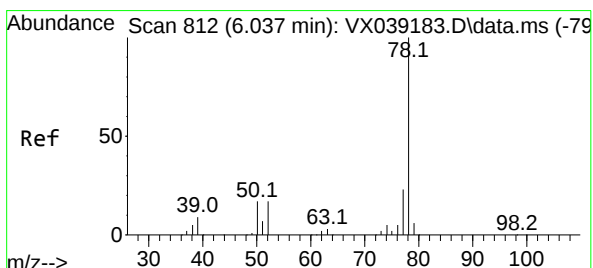
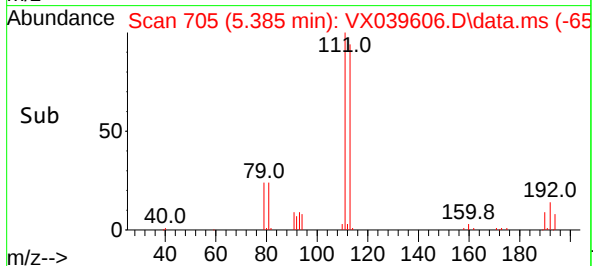
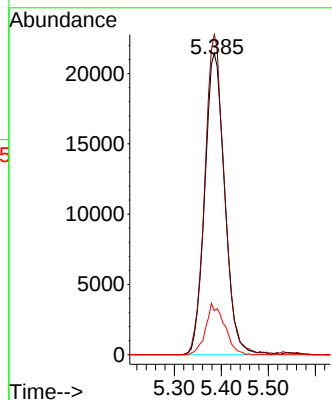
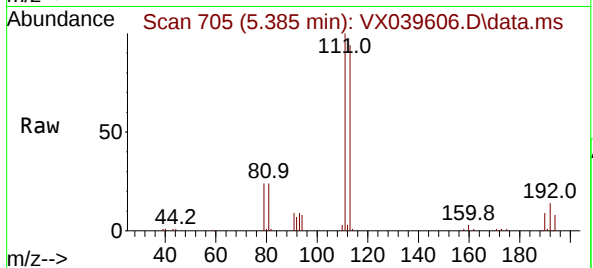
Tgt Ion:113 Resp: 63311

Ion Ratio Lower Upper

113 100

111 104.0 82.9 124.3

192 16.0 13.3 19.9



#40

Benzene

Concen: 6.414 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX039606.D

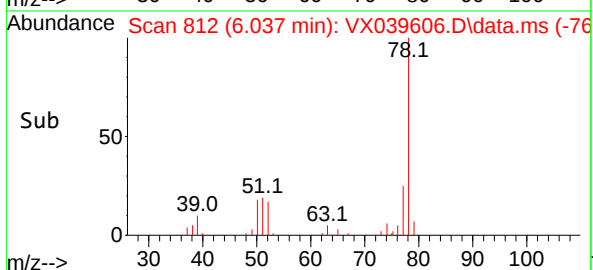
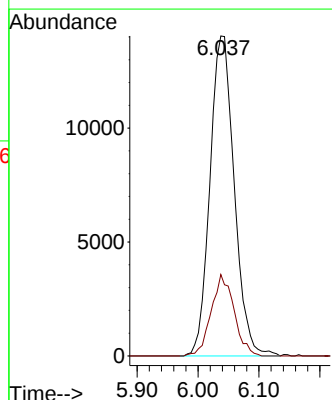
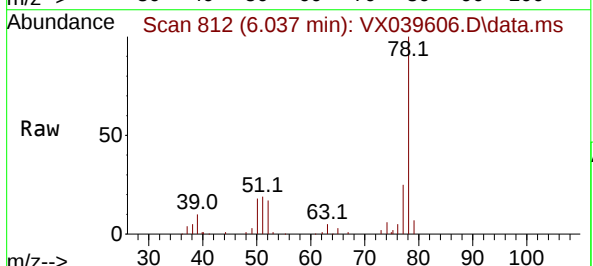
Acq: 03 Jan 2024 16:44

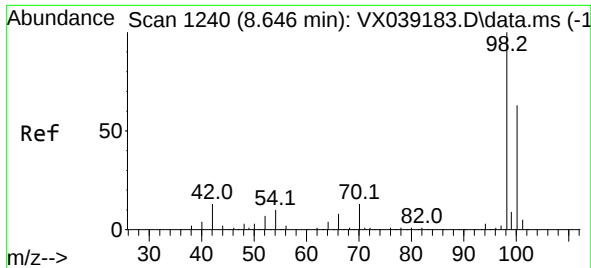
Tgt Ion: 78 Resp: 38952

Ion Ratio Lower Upper

78 100

77 25.5 19.3 28.9

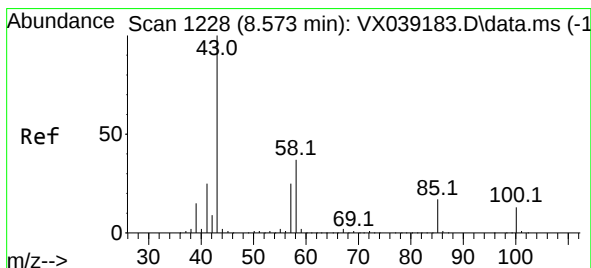
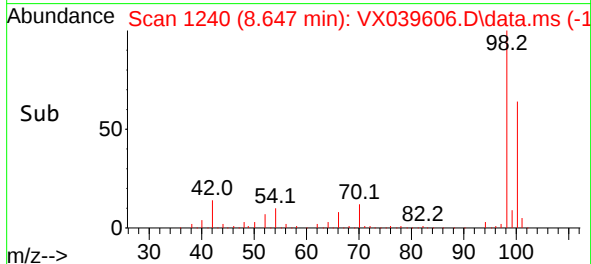
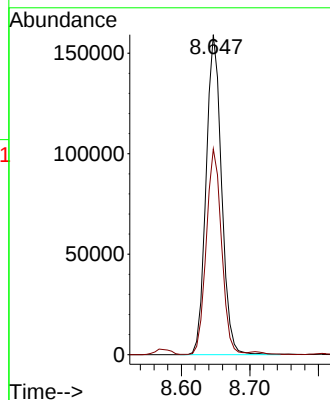
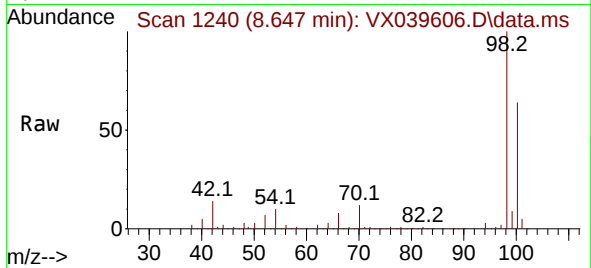




#50
Toluene-d8
Concen: 49.562 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039606.D
Acq: 03 Jan 2024 16:44

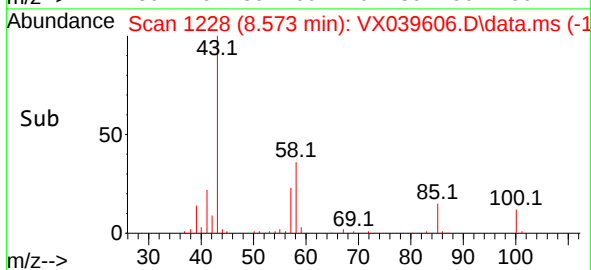
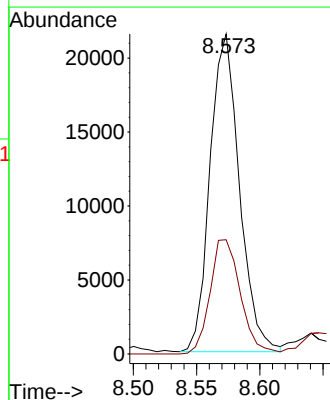
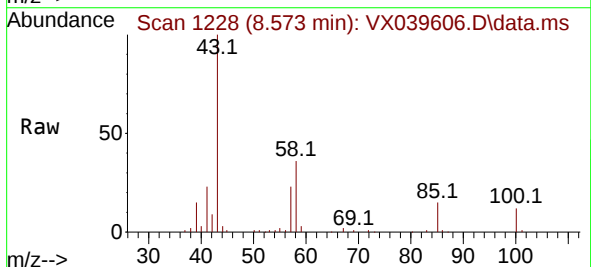
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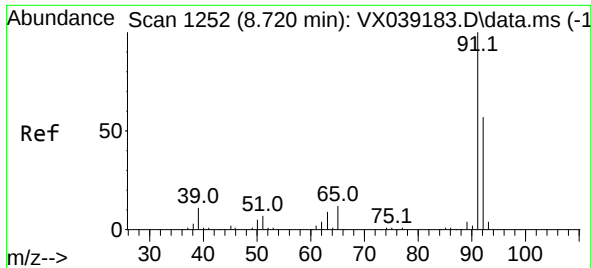
Tgt Ion: 98 Resp: 250314
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 12.645 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX039606.D
Acq: 03 Jan 2024 16:44

Tgt Ion: 43 Resp: 34747
Ion Ratio Lower Upper
43 100
58 37.1 30.4 45.6





#52

Toluene

Concen: 16.328 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039606.D

Acq: 03 Jan 2024 16:44

Instrument :

MSVOA_X

ClientSampleId :

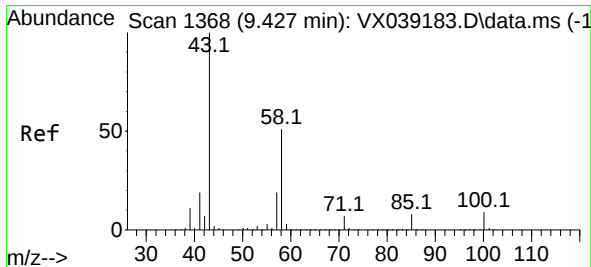
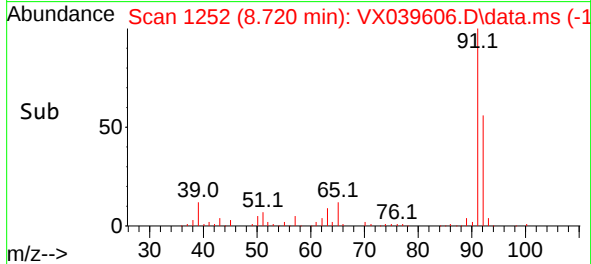
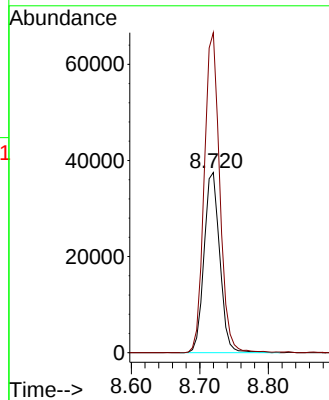
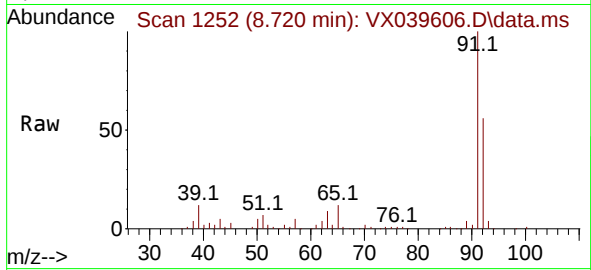
1218

Tgt Ion: 92 Resp: 59845

Ion Ratio Lower Upper

92 100

91 175.4 134.2 201.2



#59

2-Hexanone

Concen: 15.650 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX039606.D

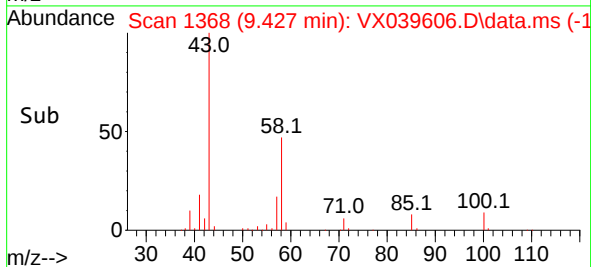
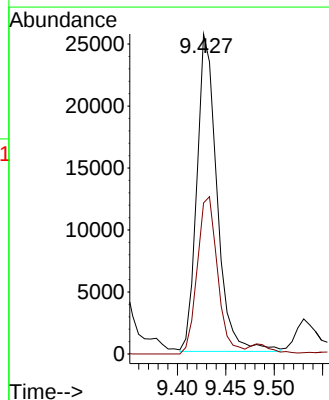
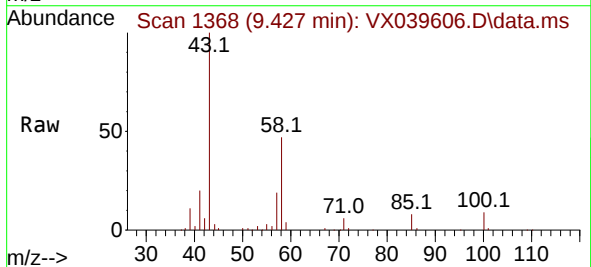
Acq: 03 Jan 2024 16:44

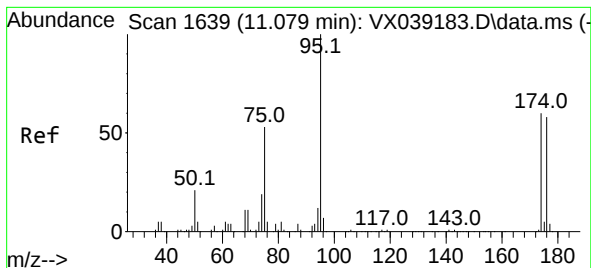
Tgt Ion: 43 Resp: 37115

Ion Ratio Lower Upper

43 100

58 50.2 26.2 78.5

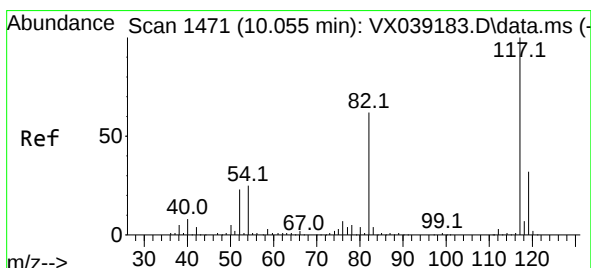
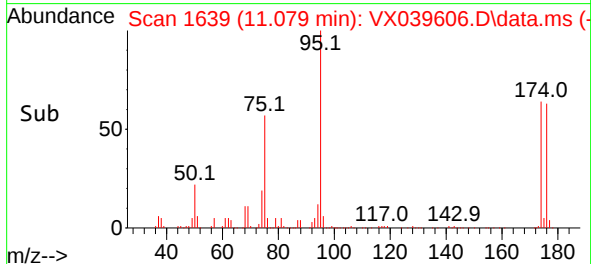
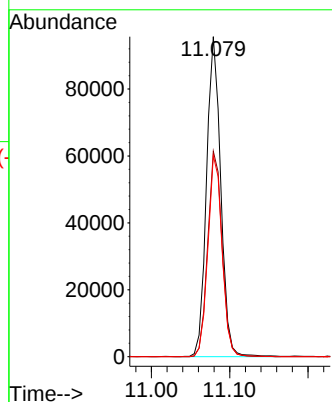
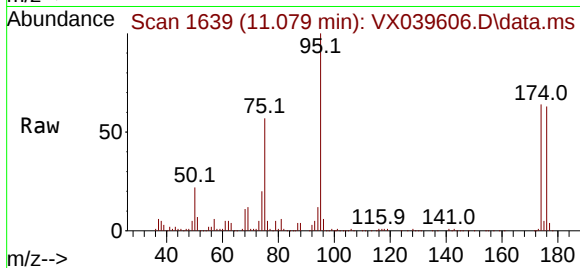




#62
4-Bromofluorobenzene
Concen: 57.618 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039606.D
Acq: 03 Jan 2024 16:44

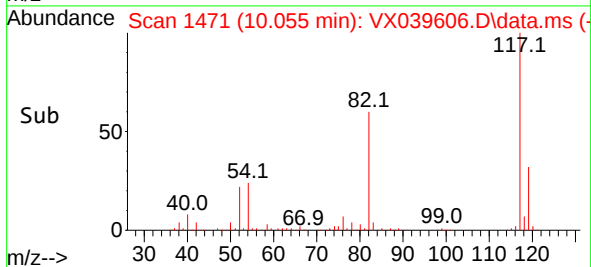
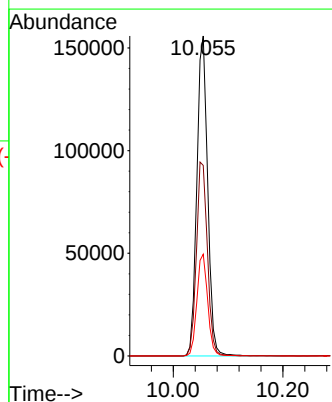
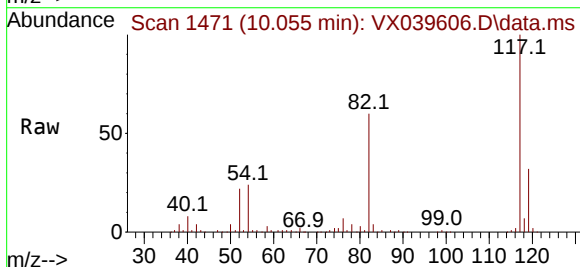
Instrument :
MSVOA_X
ClientSampleId :
1218

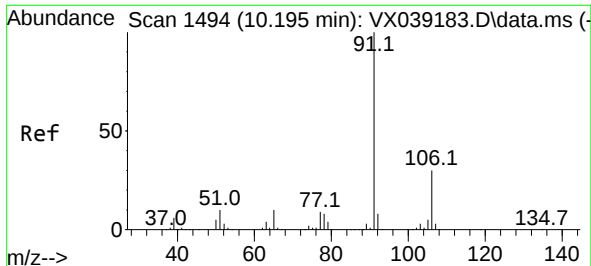
Tgt Ion: 95 Resp: 120065
Ion Ratio Lower Upper
95 100
174 65.1 0.0 135.6
176 62.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039606.D
Acq: 03 Jan 2024 16:44

Tgt Ion: 117 Resp: 214574
Ion Ratio Lower Upper
117 100
82 59.5 46.2 69.4
119 31.8 25.5 38.3





#67

Ethyl Benzene

Concen: 5.312 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX039606.D

Acq: 03 Jan 2024 16:44

Instrument :

MSVOA_X

ClientSampleId :

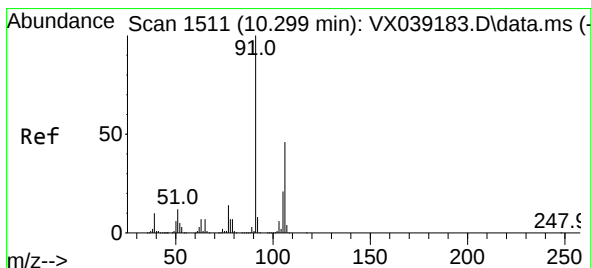
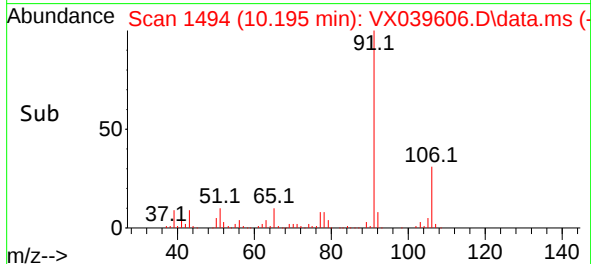
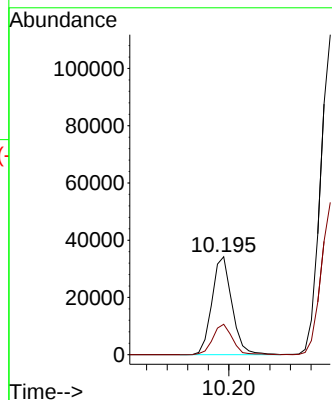
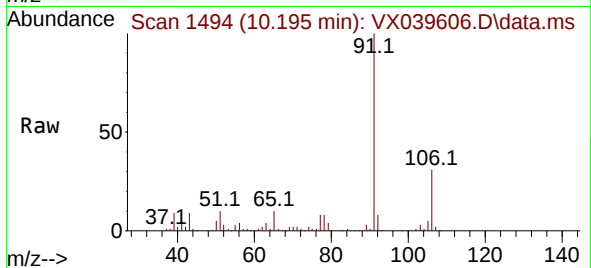
1218

Tgt Ion: 91 Resp: 46308

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3



#68

m/p-Xylenes

Concen: 22.168 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX039606.D

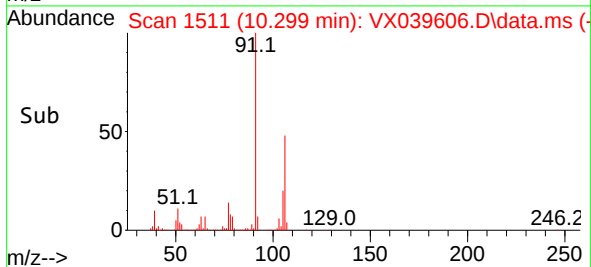
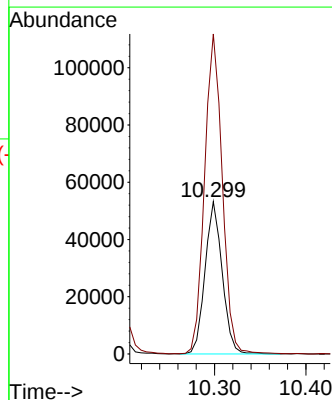
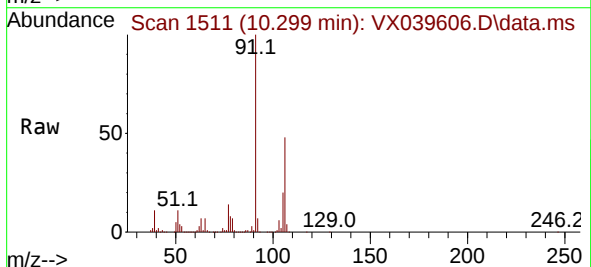
Acq: 03 Jan 2024 16:44

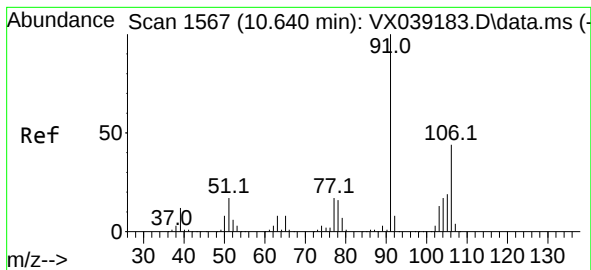
Tgt Ion:106 Resp: 69293

Ion Ratio Lower Upper

106 100

91 217.2 165.5 248.3





#69

o-Xylene

Concen: 9.913 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039606.D

Acq: 03 Jan 2024 16:44

Instrument :

MSVOA_X

ClientSampleId :

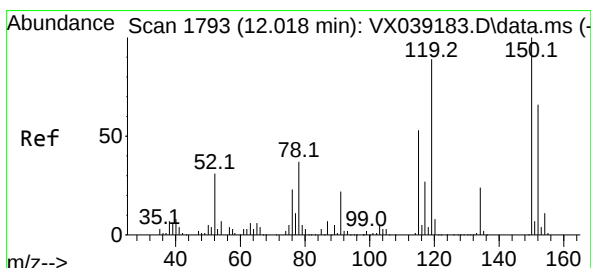
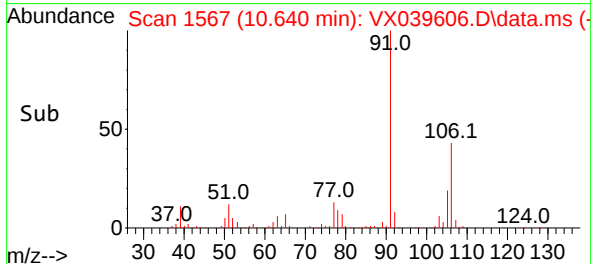
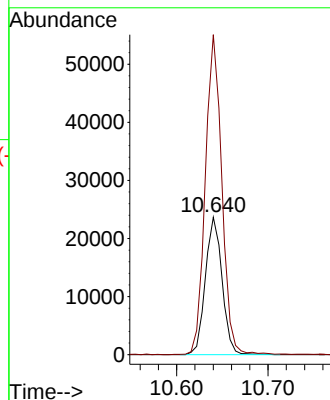
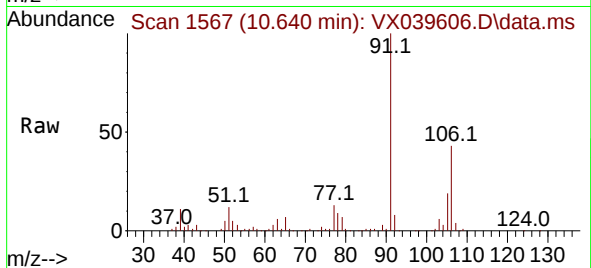
1218

Tgt Ion:106 Resp: 29958

Ion Ratio Lower Upper

106 100

91 231.0 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX039606.D

Acq: 03 Jan 2024 16:44

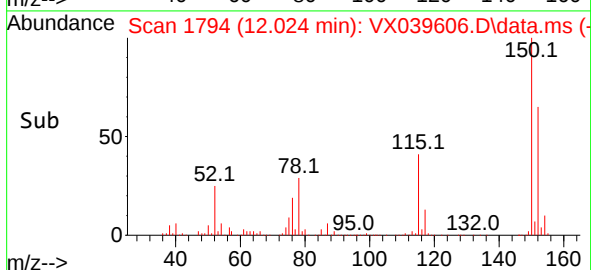
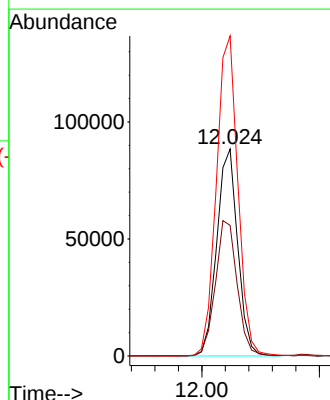
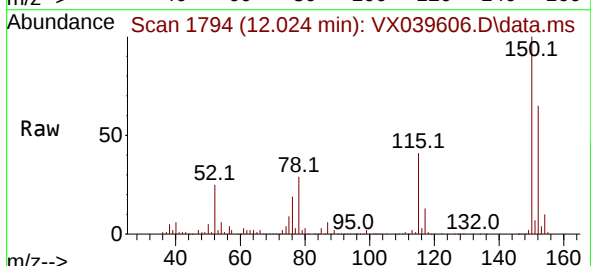
Tgt Ion:152 Resp: 109424

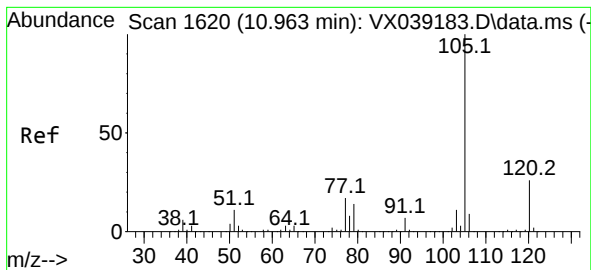
Ion Ratio Lower Upper

152 100

115 67.6 43.3 129.9

150 158.5 0.0 345.0





#73

Isopropylbenzene

Concen: 0.305 ug/l

RT: 10.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX039606.D

Acq: 03 Jan 2024 16:44

Instrument :

MSVOA_X

ClientSampleId :

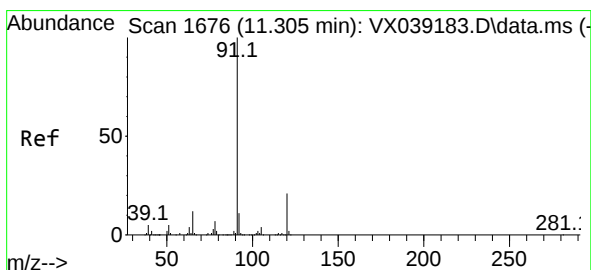
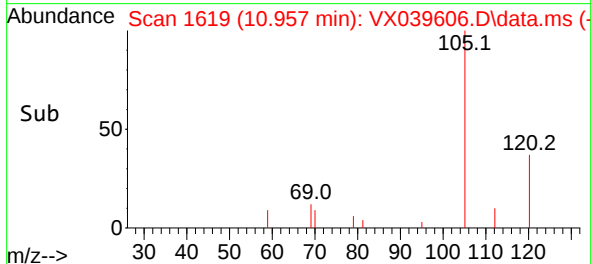
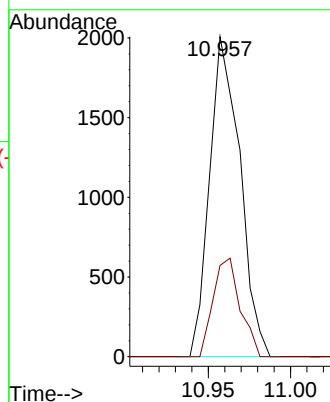
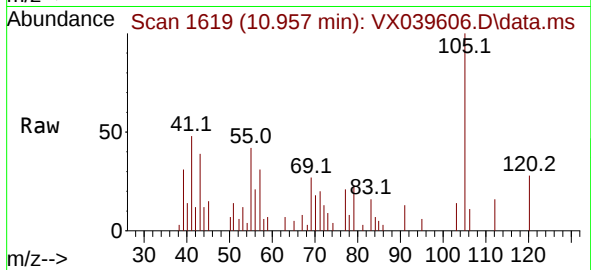
1218

Tgt Ion:105 Resp: 2572

Ion Ratio Lower Upper

105 100

120 27.4 12.9 38.6



#78

n-propylbenzene

Concen: 0.855 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX039606.D

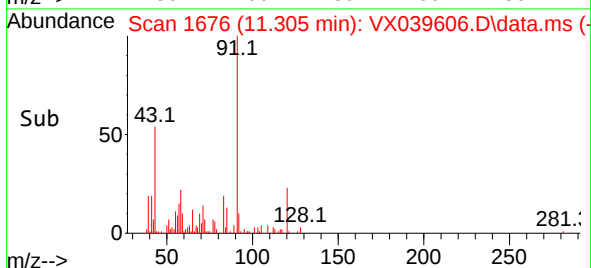
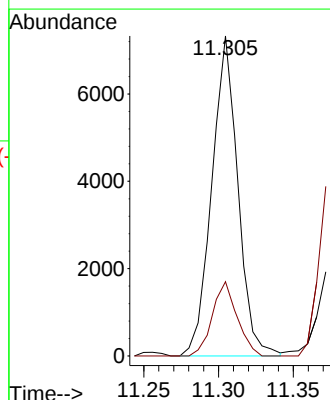
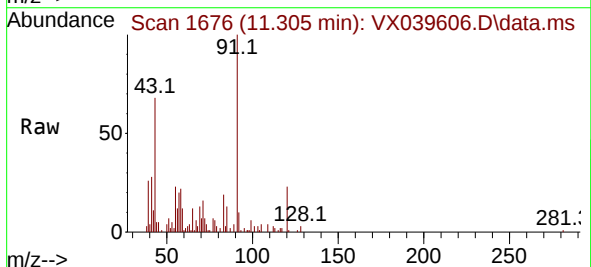
Acq: 03 Jan 2024 16:44

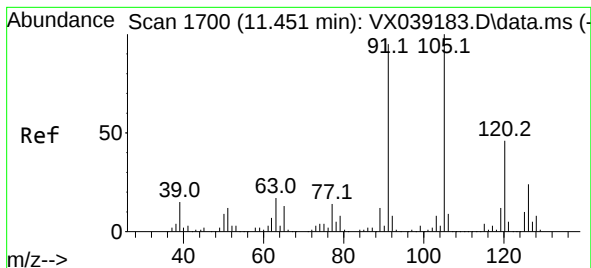
Tgt Ion: 91 Resp: 8893

Ion Ratio Lower Upper

91 100

120 22.0 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 1.484 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039606.D

Acq: 03 Jan 2024 16:44

Instrument :

MSVOA_X

ClientSampleId :

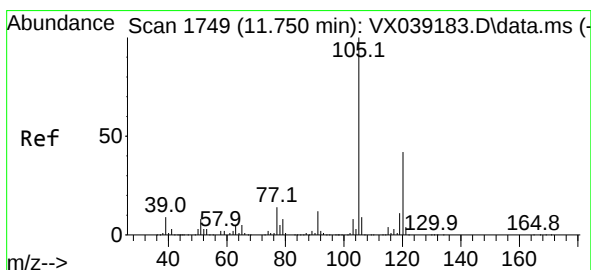
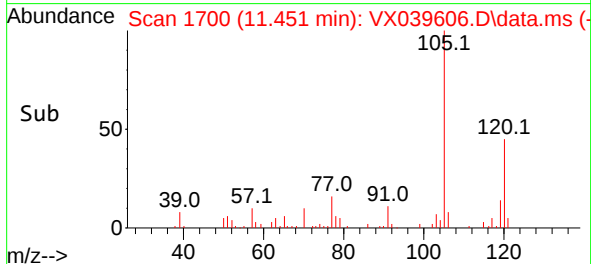
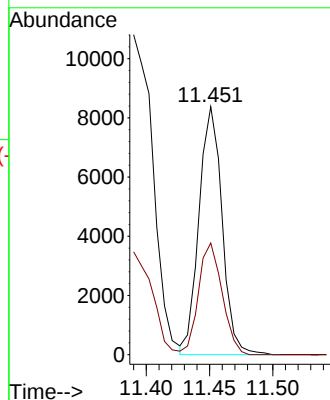
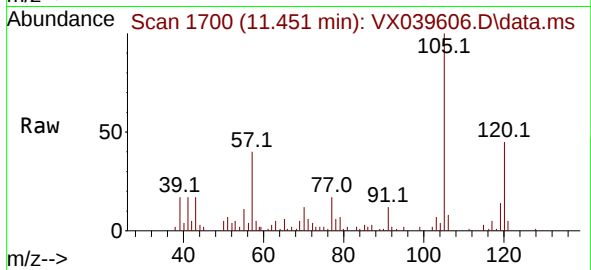
1218

Tgt Ion:105 Resp: 10674

Ion Ratio Lower Upper

105 100

120 46.0 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 6.714 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039606.D

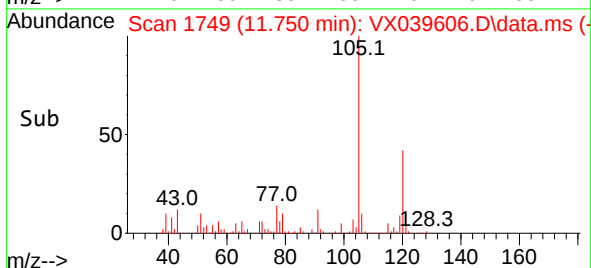
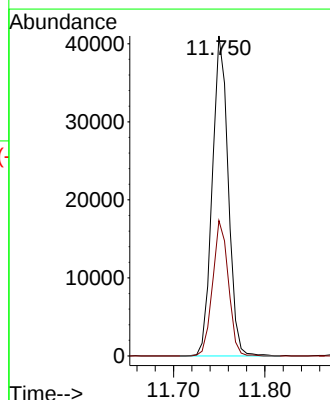
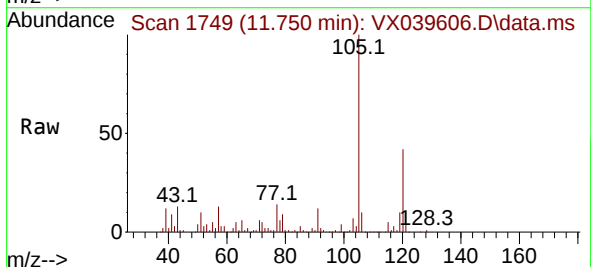
Acq: 03 Jan 2024 16:44

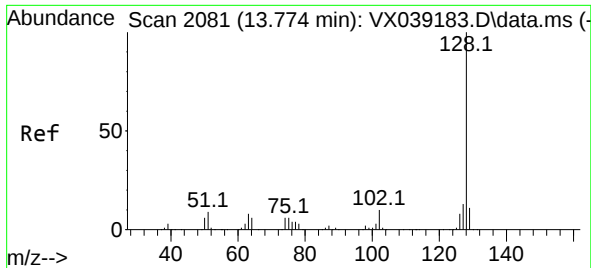
Tgt Ion:105 Resp: 49517

Ion Ratio Lower Upper

105 100

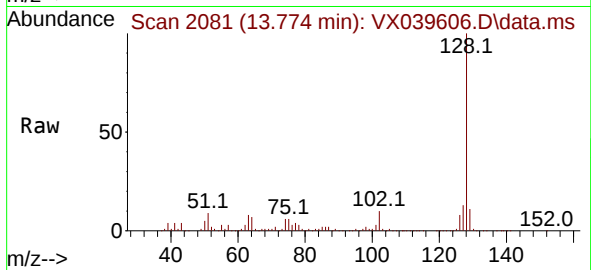
120 41.7 21.2 63.6





#95
Naphthalene
Concen: 19.554 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX039606.D
Acq: 03 Jan 2024 16:44

Instrument :
MSVOA_X
ClientSampleId :
1218



Tgt Ion:128 Resp: 156484
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.7 8.8 13.2

