

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012524\
 Data File : VX039960.D
 Acq On : 25 Jan 2024 17:36
 Operator : JC/MD
 Sample : P1258-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50236

Quant Time: Jan 26 01:37:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	85247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	155992	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75518	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67863	47.523	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.040%
35) Dibromofluoromethane	5.385	113	48126	45.805	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.600%
50) Toluene-d8	8.647	98	187871	47.410	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.820%
62) 4-Bromofluorobenzene	11.079	95	76806	49.565	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.140%

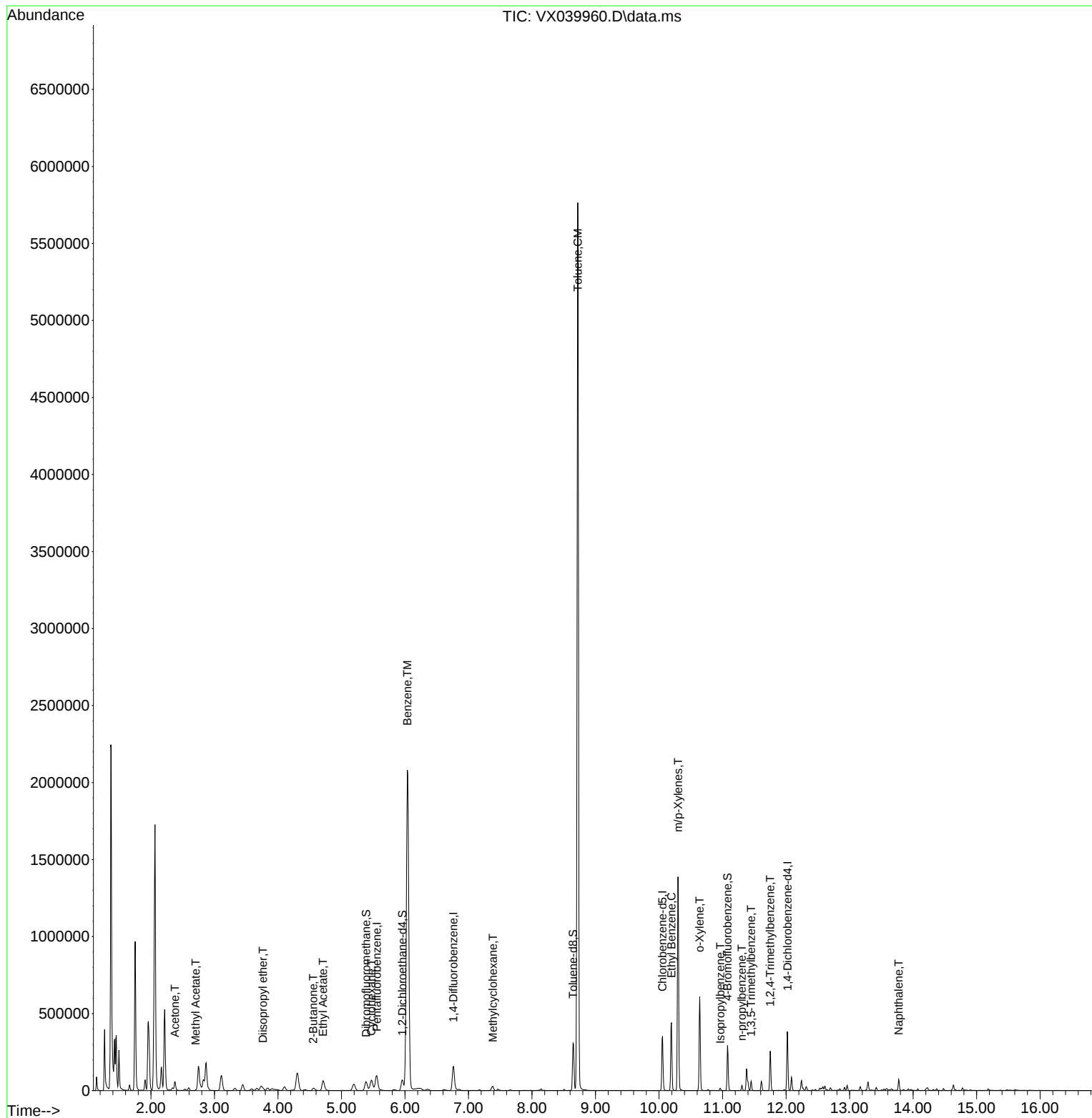
Target Compounds						Qvalue
16) Acetone	2.380	43	52843	65.798	ug/l	97
18) Methyl Acetate	2.703	43	3090	1.839	ug/l #	76
22) Diisopropyl ether	3.764	45	15448	4.009	ug/l #	74
25) 2-Butanone	4.556	43	29107	25.220	ug/l	96
31) Cyclohexane	5.471	56	45842	24.324	ug/l	96
37) Ethyl Acetate	4.709	43	113434	51.992	ug/l	99
39) Methylcyclohexane	7.385	83	11968	6.094	ug/l	92
40) Benzene	6.038	78	2443946	527.746	ug/l	99
52) Toluene	8.720	92	2097378	758.265	ug/l	98
67) Ethyl Benzene	10.195	91	254355	43.885	ug/l	98
68) m/p-Xylenes	10.299	106	292323	137.141	ug/l	95
69) o-Xylene	10.640	106	118514	56.143	ug/l	91
73) Isopropylbenzene	10.963	105	7796	1.297	ug/l	99
78) n-propylbenzene	11.305	91	18995	2.610	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	25836	5.059	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	109272	21.449	ug/l	98
95) Naphthalene	13.774	128	42391	7.427	ug/l	99

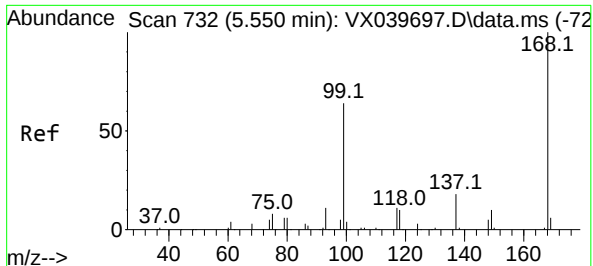
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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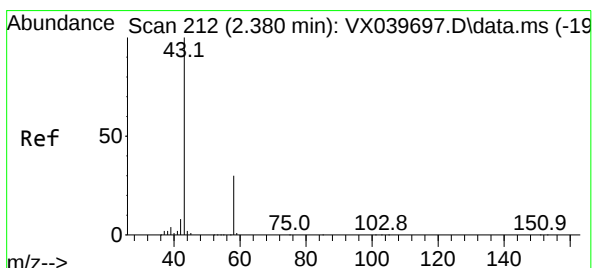
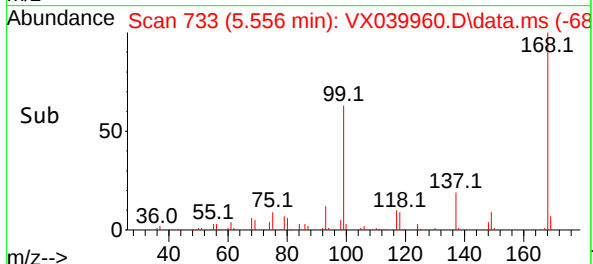
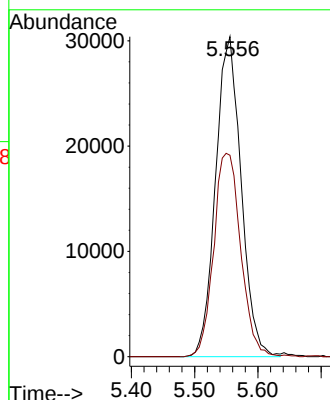
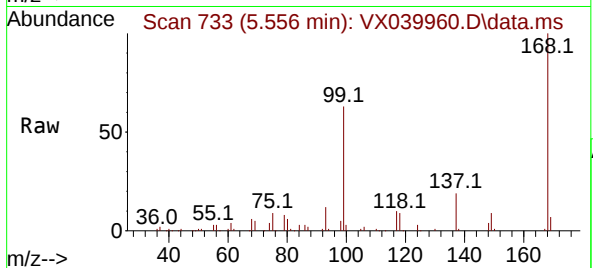




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

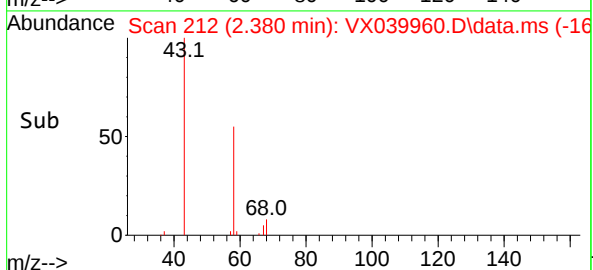
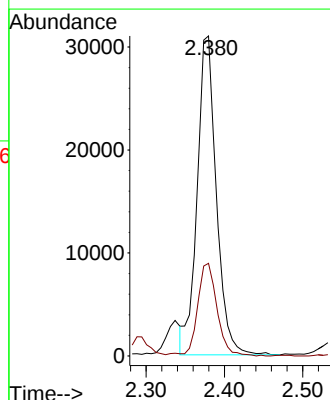
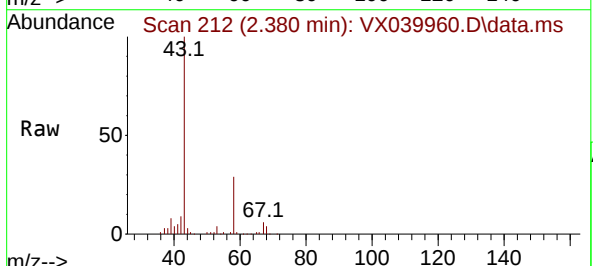
Instrument :
MSVOA_X
ClientSampleId :
50236

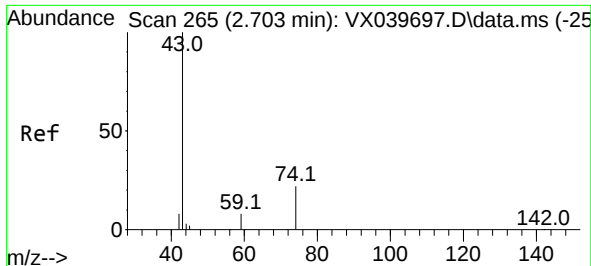
Tgt Ion:168 Resp: 85247
Ion Ratio Lower Upper
168 100
99 62.9 56.6 85.0



#16
Acetone
Concen: 65.798 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

Tgt Ion: 43 Resp: 52843
Ion Ratio Lower Upper
43 100
58 28.8 21.9 32.9

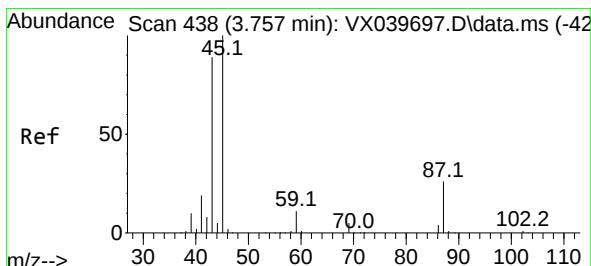
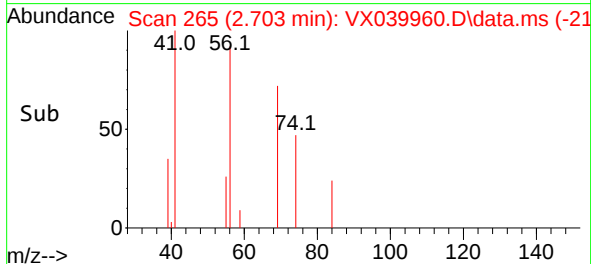
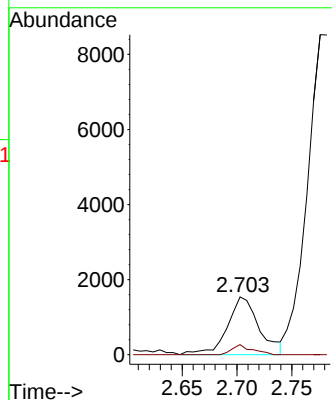
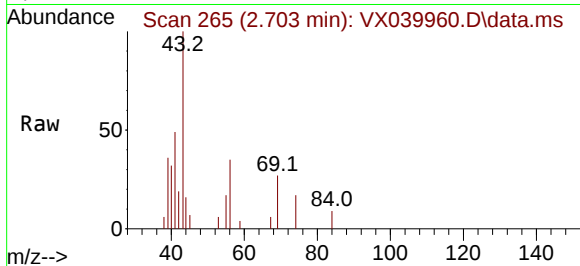




#18
Methyl Acetate
Concen: 1.839 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

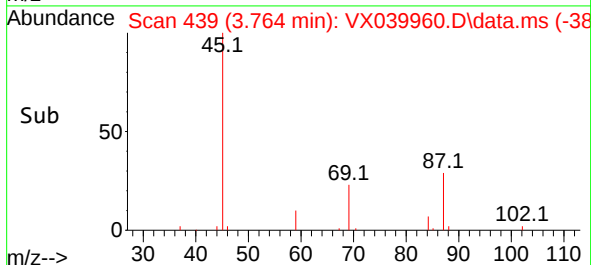
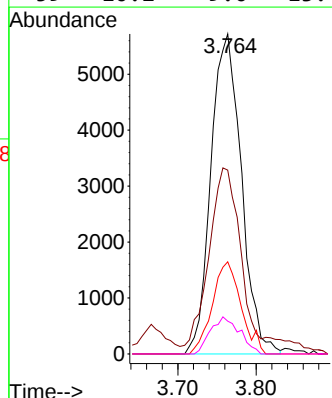
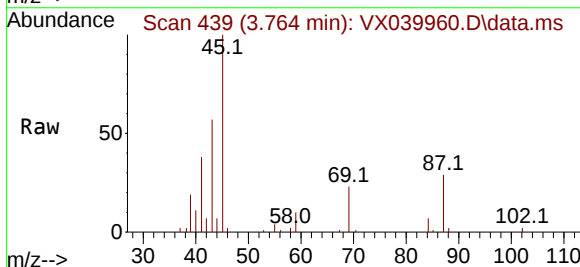
Instrument :
MSVOA_X
ClientSampleId :
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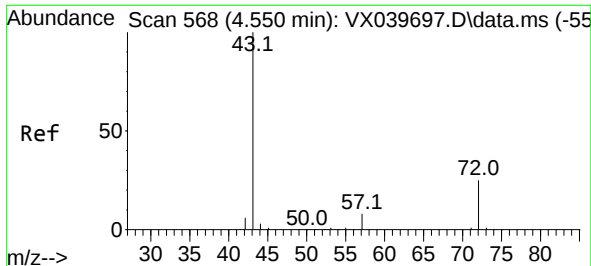
Tgt Ion: 43 Resp: 3090
Ion Ratio Lower Upper
43 100
74 10.9 17.8 26.8#



#22
Diisopropyl ether
Concen: 4.009 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

Tgt Ion: 45 Resp: 15448
Ion Ratio Lower Upper
45 100
43 55.1 69.7 104.5#
87 28.8 20.8 31.2
59 10.2 9.0 13.4

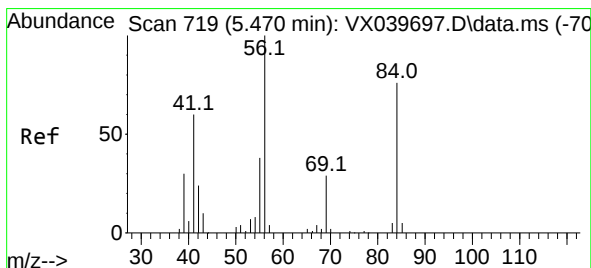
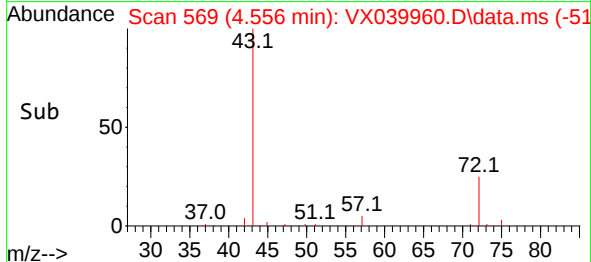
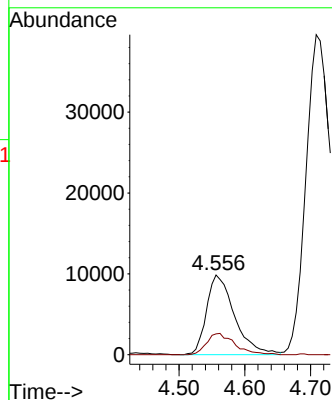
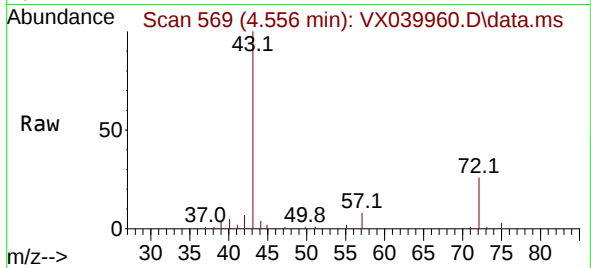




#25
2-Butanone
Concen: 25.220 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

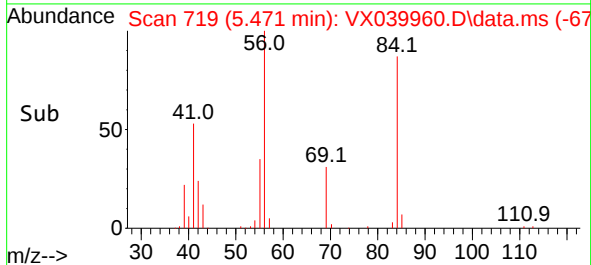
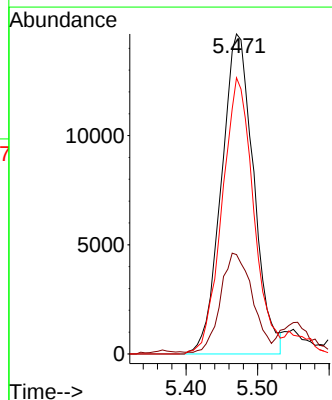
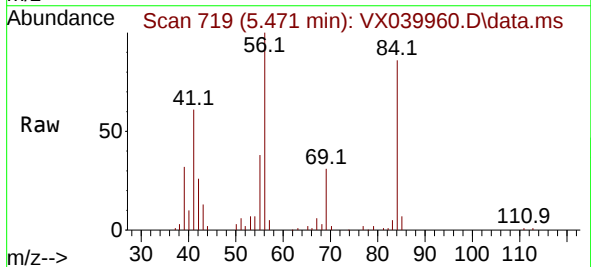
Instrument :
MSVOA_X
ClientSampleId :
50236

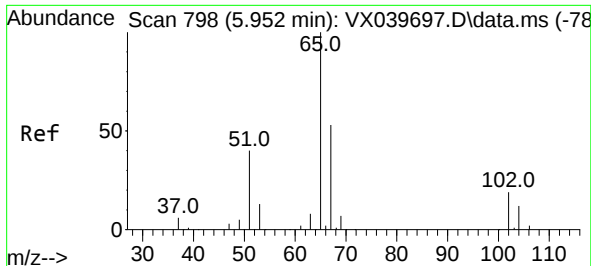
Tgt Ion: 43 Resp: 29107
Ion Ratio Lower Upper
43 100
72 26.2 19.4 29.2



#31
Cyclohexane
Concen: 24.324 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

Tgt Ion: 56 Resp: 45842
Ion Ratio Lower Upper
56 100
69 30.3 23.4 35.2
84 86.3 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 47.523 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX039960.D

Acq: 25 Jan 2024 17:36

Instrument :

MSVOA_X

ClientSampleId :

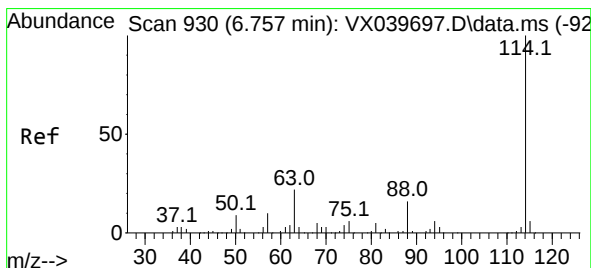
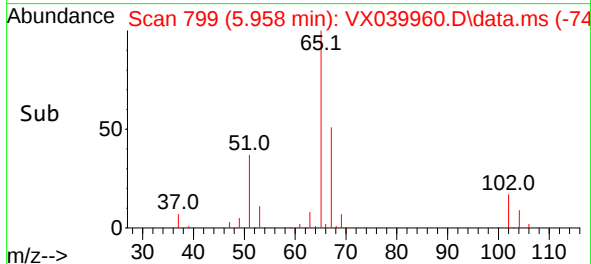
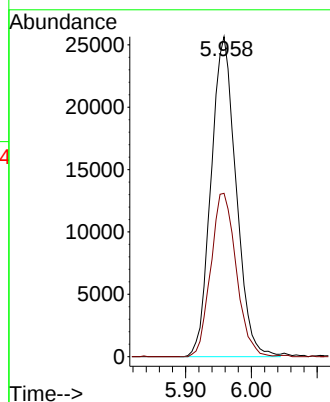
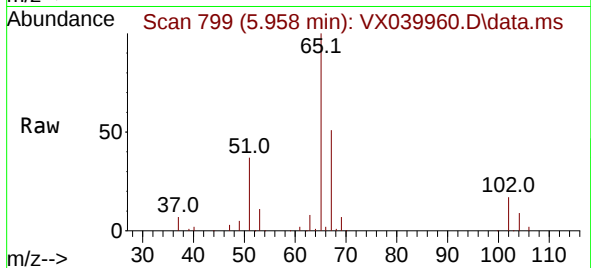
50236

Tgt Ion: 65 Resp: 67863

Ion Ratio Lower Upper

65 100

67 51.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX039960.D

Acq: 25 Jan 2024 17:36

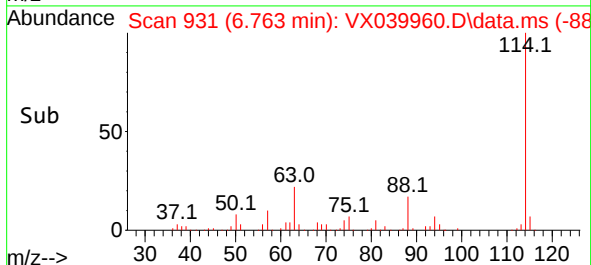
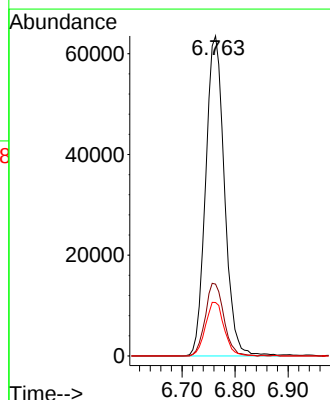
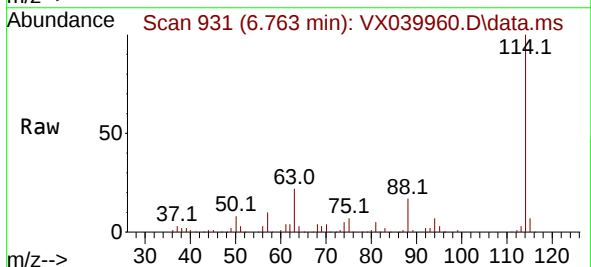
Tgt Ion: 114 Resp: 155992

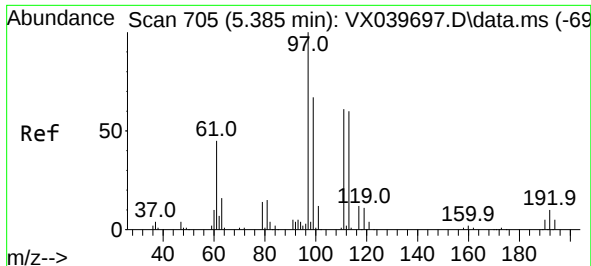
Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.0

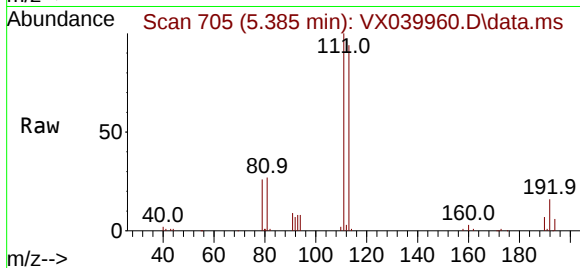
88 16.7 0.0 36.6



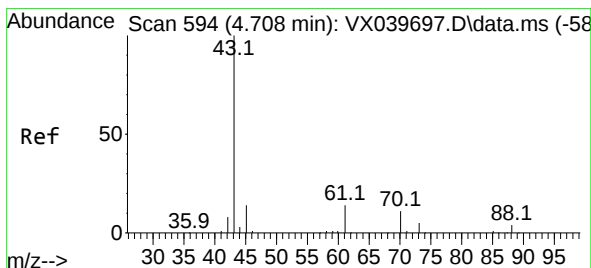
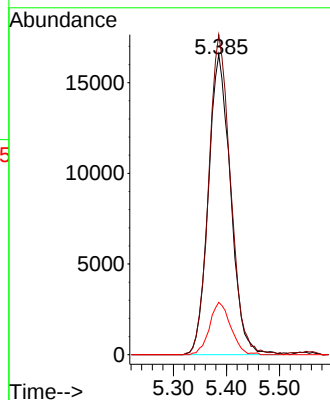
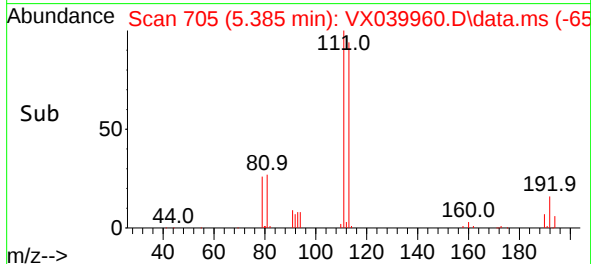


#35
Dibromofluoromethane
Concen: 45.805 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

Instrument :
MSVOA_X
ClientSampleId :
50236

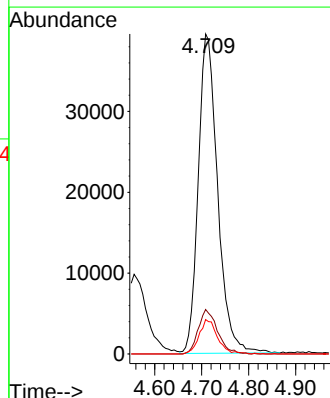
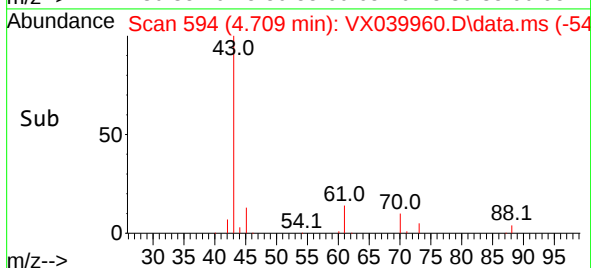
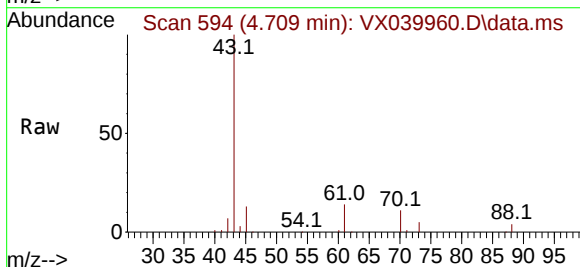


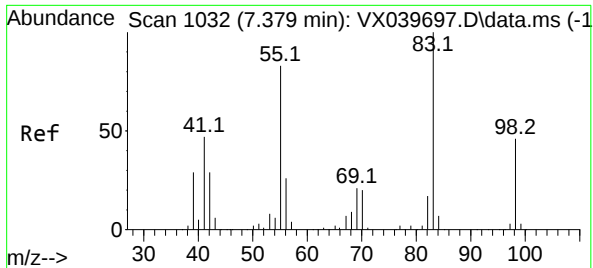
Tgt Ion:113 Resp: 48126
Ion Ratio Lower Upper
113 100
111 105.1 82.9 124.3
192 16.7 13.3 19.9



#37
Ethyl Acetate
Concen: 51.992 ug/l
RT: 4.709 min Scan# 594
Delta R.T. 0.000 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

Tgt Ion: 43 Resp: 113434
Ion Ratio Lower Upper
43 100
61 13.7 10.6 16.0
70 10.1 8.3 12.5

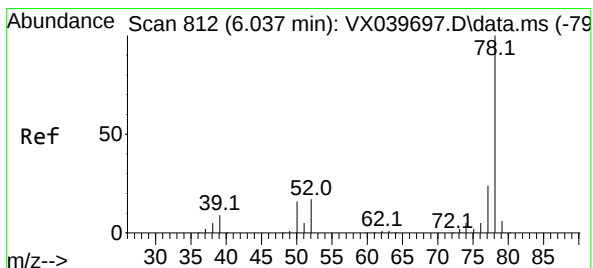
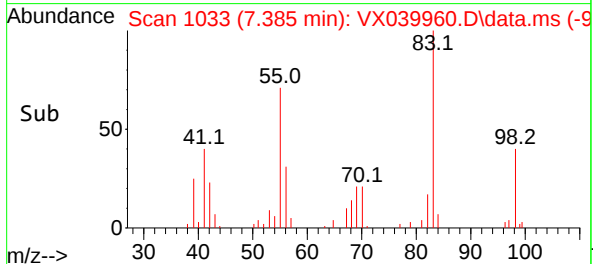
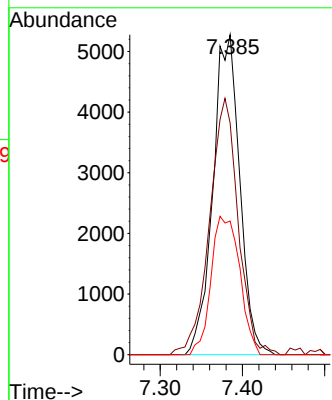
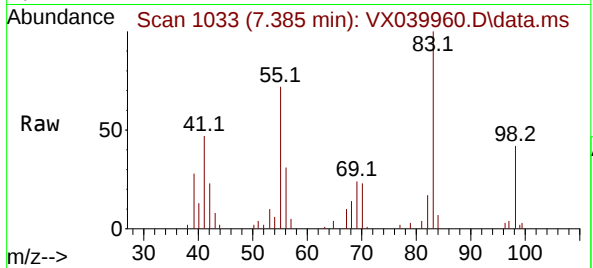




#39
Methylcyclohexane
Concen: 6.094 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

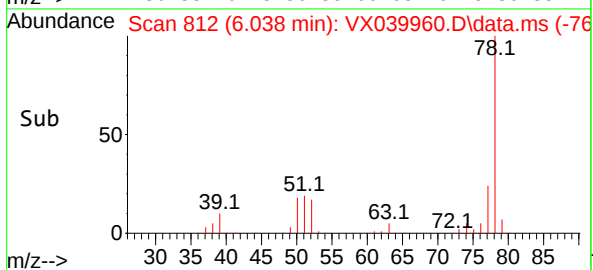
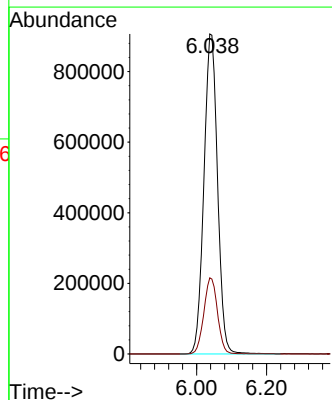
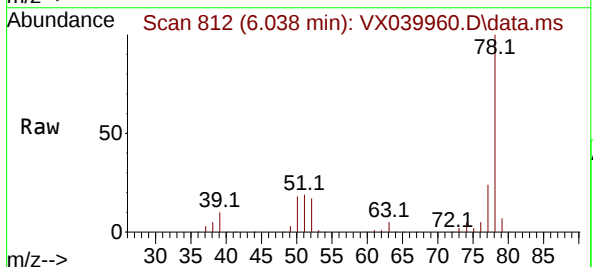
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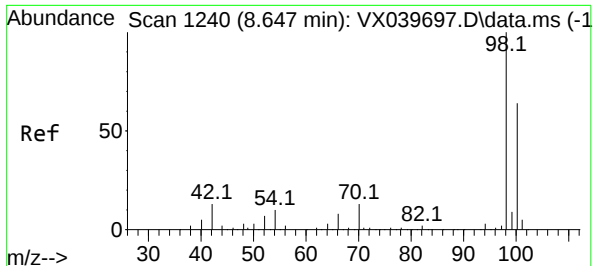
Tgt Ion: 83 Resp: 11968
Ion Ratio Lower Upper
83 100
55 72.4 64.6 97.0
98 41.7 36.7 55.1



#40
Benzene
Concen: 527.746 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

Tgt Ion: 78 Resp: 2443946
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9

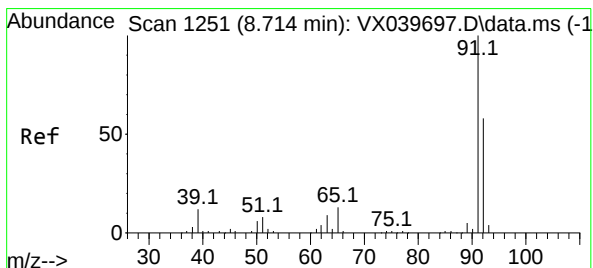
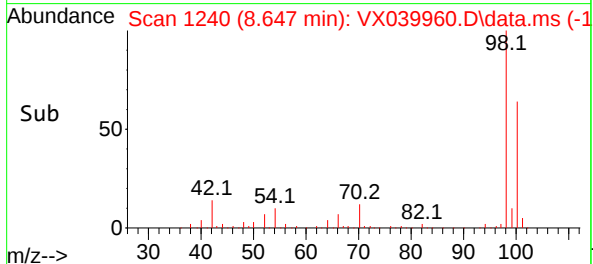
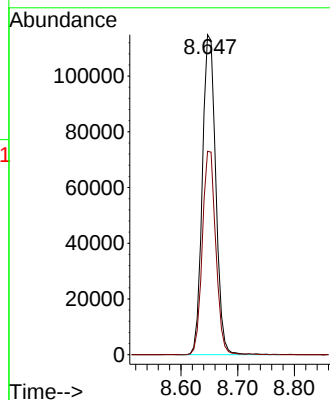
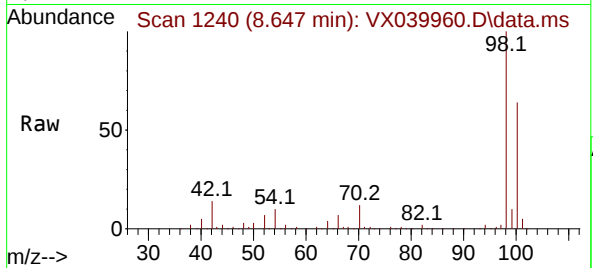




#50
Toluene-d8
Concen: 47.410 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

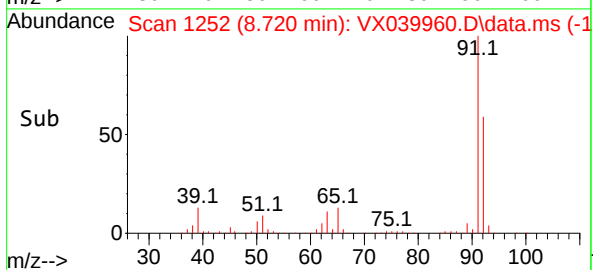
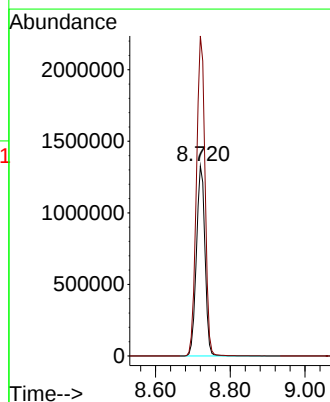
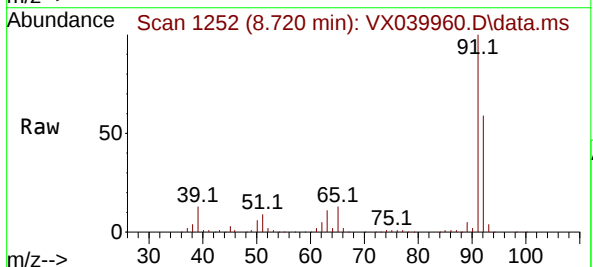
Instrument :
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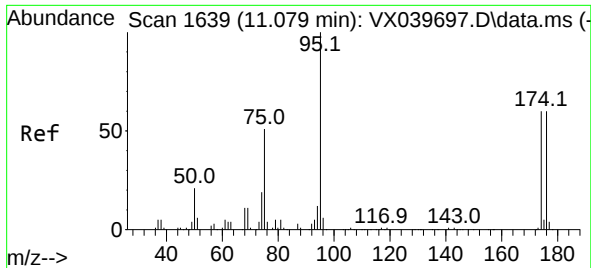
Tgt Ion: 98 Resp: 187871
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#52
Toluene
Concen: 758.265 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

Tgt Ion: 92 Resp: 2097378
Ion Ratio Lower Upper
92 100
91 170.3 134.2 201.2

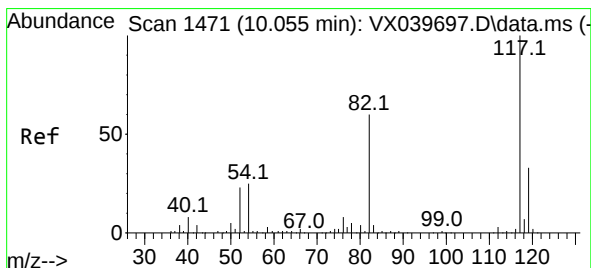
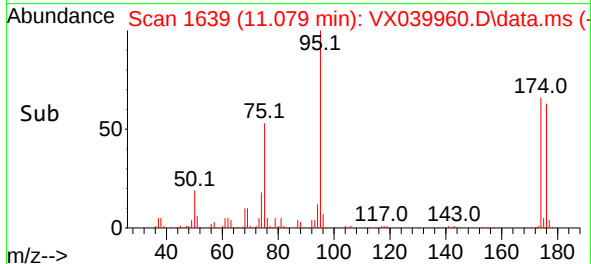
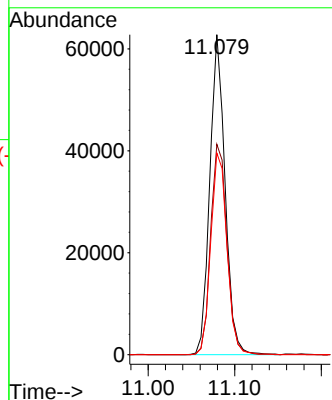
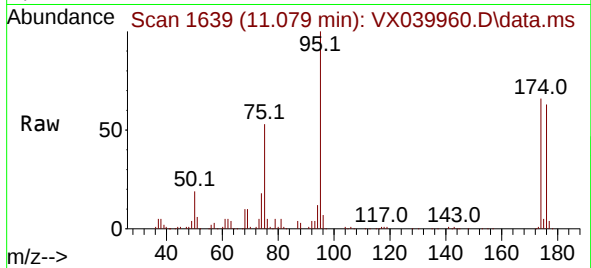




#62
4-Bromofluorobenzene
Concen: 49.565 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

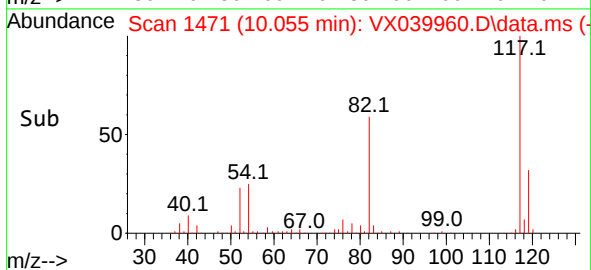
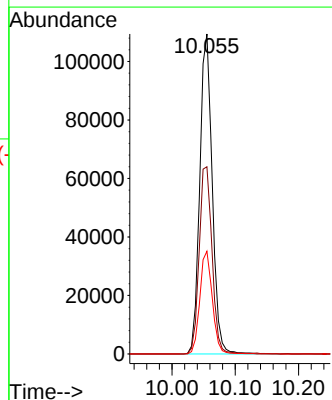
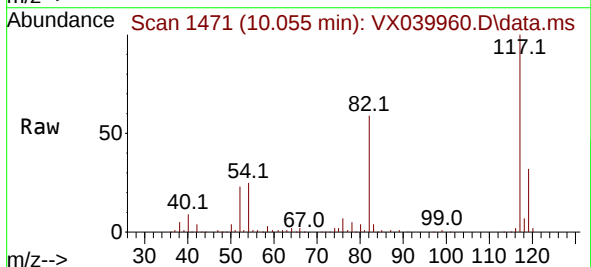
Instrument :
MSVOA_X
ClientSampleId :
50236

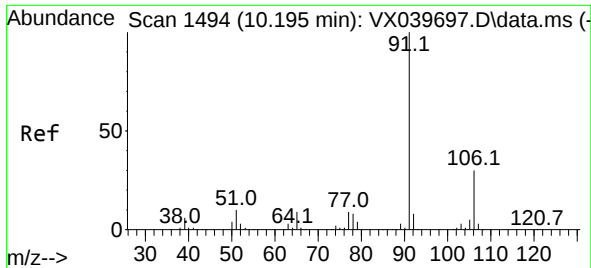
Tgt Ion: 95 Resp: 76806
Ion Ratio Lower Upper
95 100
174 70.2 0.0 135.6
176 67.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

Tgt Ion: 117 Resp: 149889
Ion Ratio Lower Upper
117 100
82 58.5 46.2 69.4
119 32.1 25.5 38.3

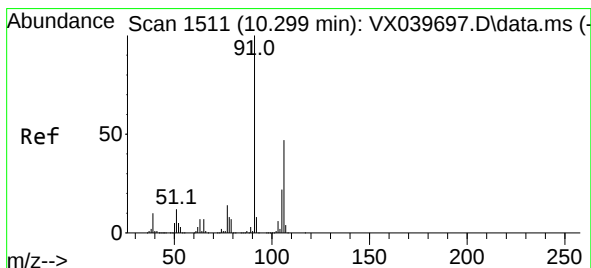
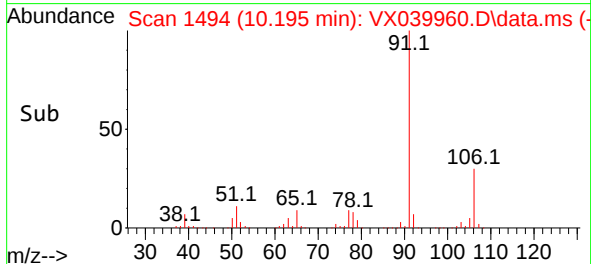
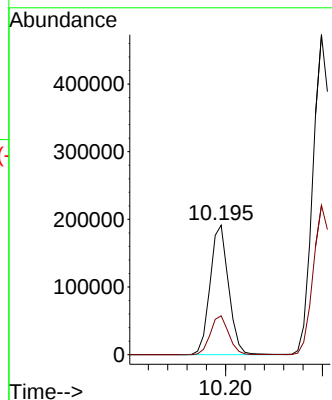
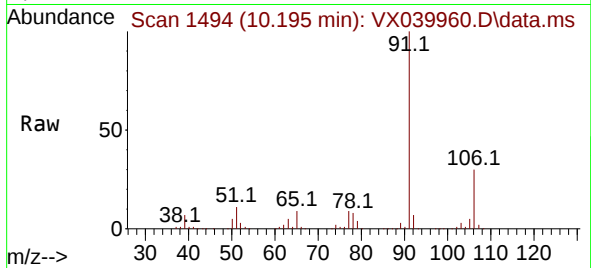




#67
Ethyl Benzene
Concen: 43.885 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

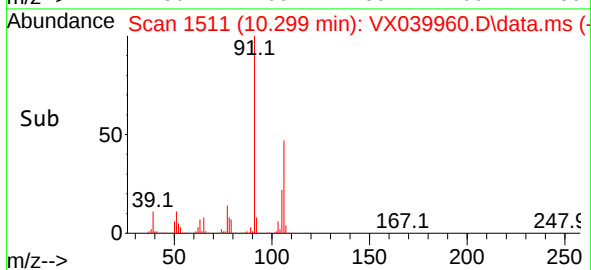
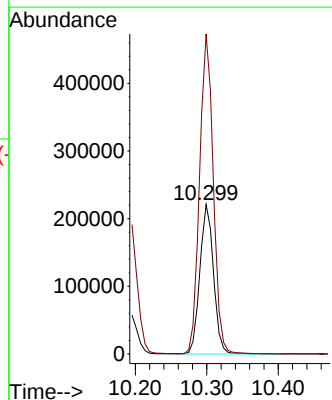
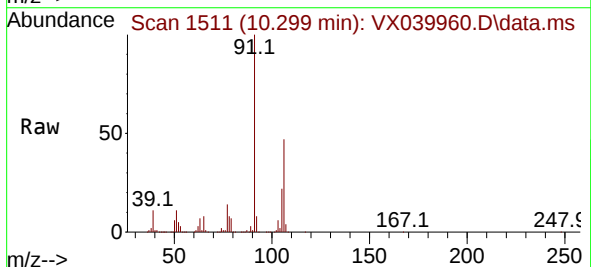
Instrument :
MSVOA_X
ClientSampleId :
50236

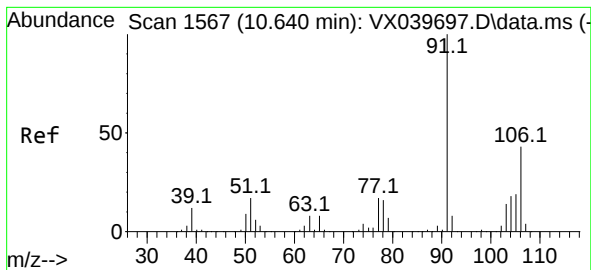
Tgt Ion: 91 Resp: 254355
Ion Ratio Lower Upper
91 100
106 30.0 24.9 37.3



#68
m/p-Xylenes
Concen: 137.141 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

Tgt Ion:106 Resp: 292323
Ion Ratio Lower Upper
106 100
91 215.0 165.5 248.3





#69

o-Xylene

Concen: 56.143 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039960.D

Acq: 25 Jan 2024 17:36

Instrument :

MSVOA_X

ClientSampleId :

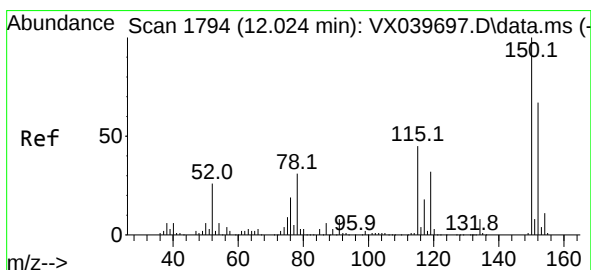
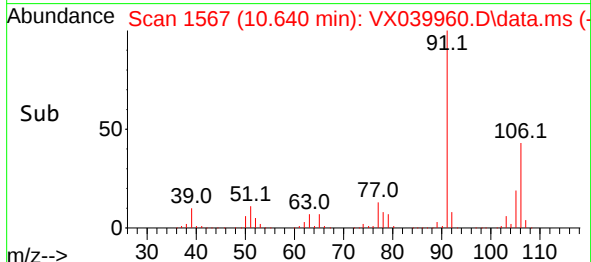
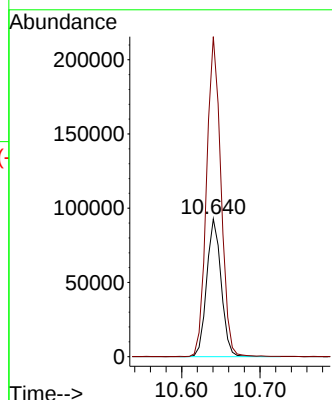
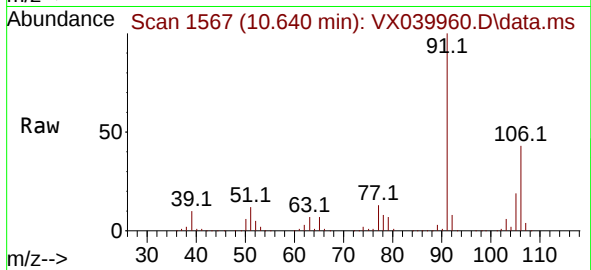
50236

Tgt Ion:106 Resp: 118514

Ion Ratio Lower Upper

106 100

91 231.5 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX039960.D

Acq: 25 Jan 2024 17:36

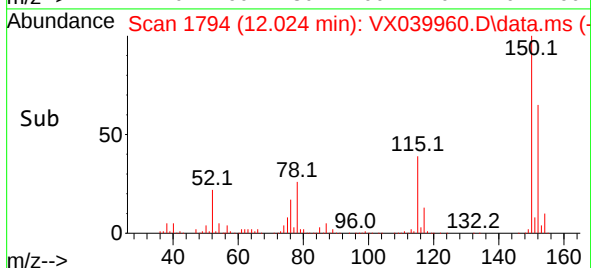
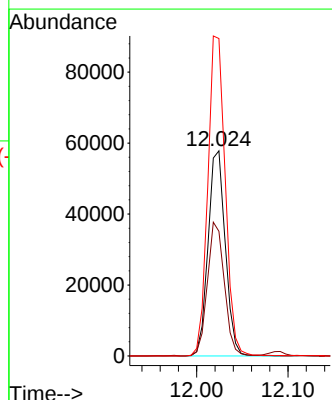
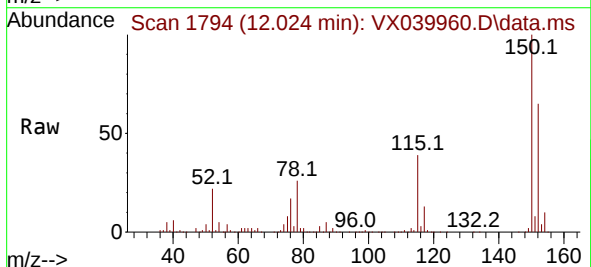
Tgt Ion:152 Resp: 75518

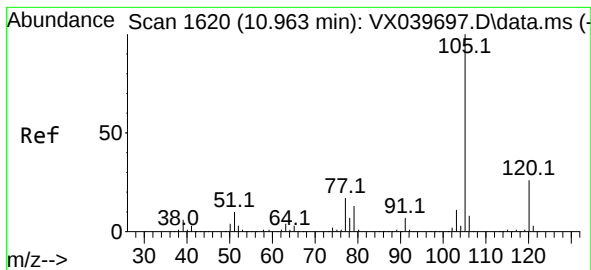
Ion Ratio Lower Upper

152 100

115 64.1 43.3 129.9

150 157.8 0.0 345.0





#73

Isopropylbenzene

Concen: 1.297 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX039960.D

Acq: 25 Jan 2024 17:36

Instrument :

MSVOA_X

ClientSampleId :

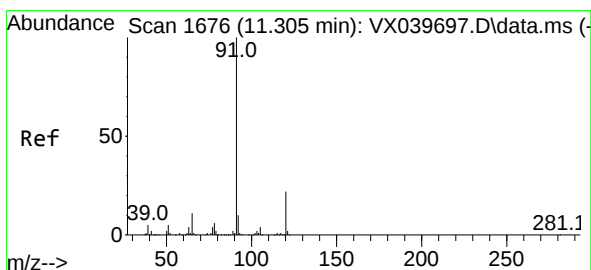
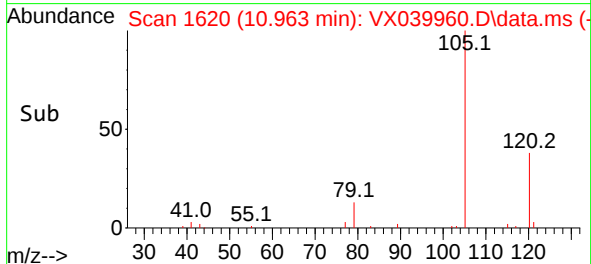
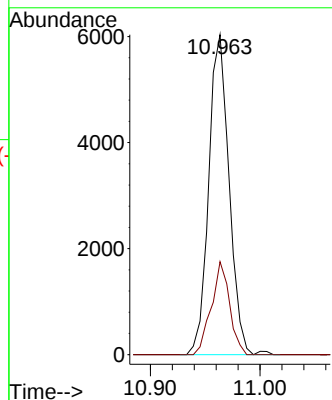
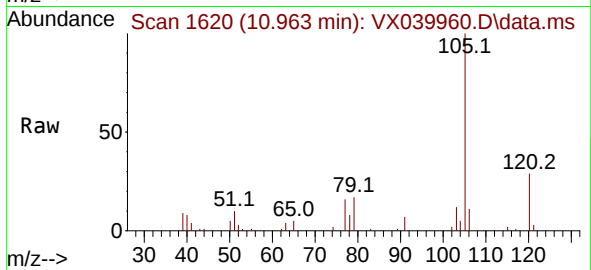
50236

Tgt Ion:105 Resp: 7796

Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.6



#78

n-propylbenzene

Concen: 2.610 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX039960.D

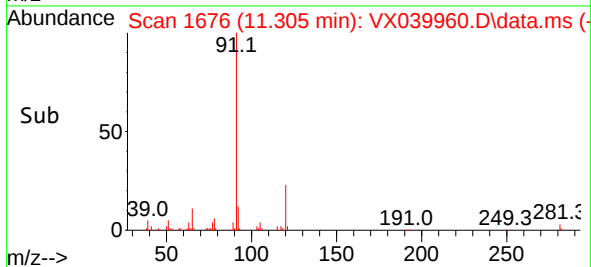
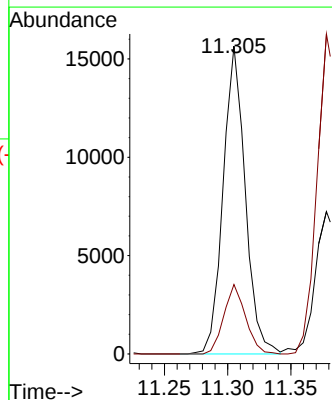
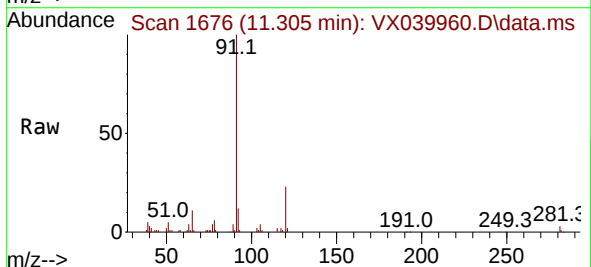
Acq: 25 Jan 2024 17:36

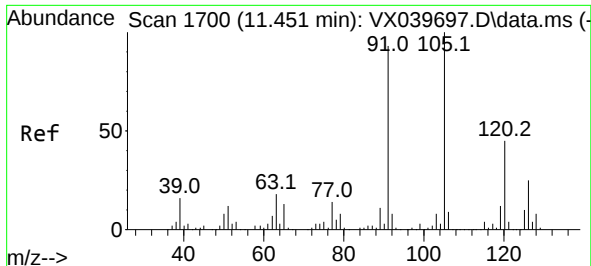
Tgt Ion: 91 Resp: 18995

Ion Ratio Lower Upper

91 100

120 22.1 11.5 34.4

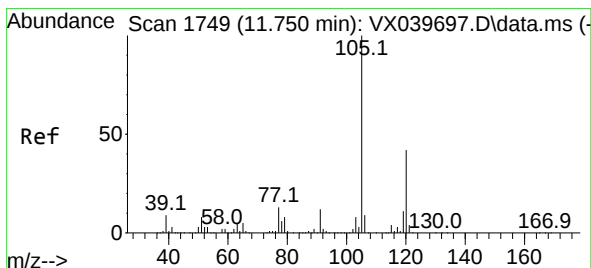
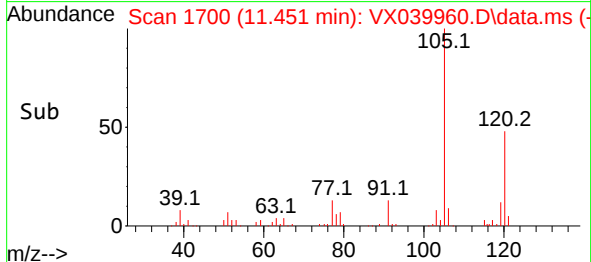
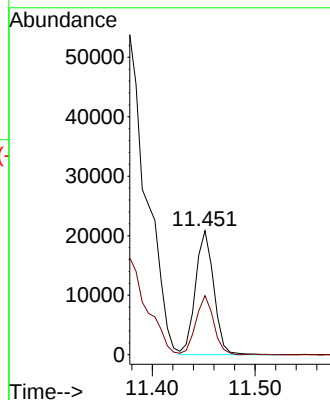
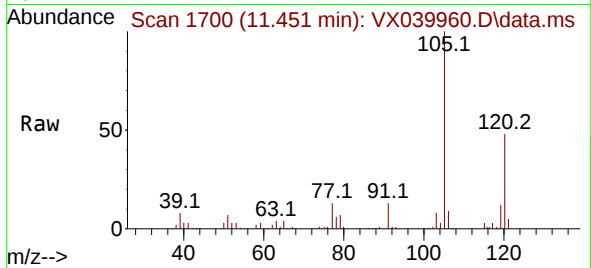




#80
1,3,5-Trimethylbenzene
Concen: 5.059 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

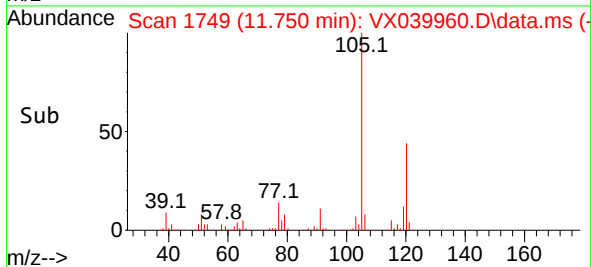
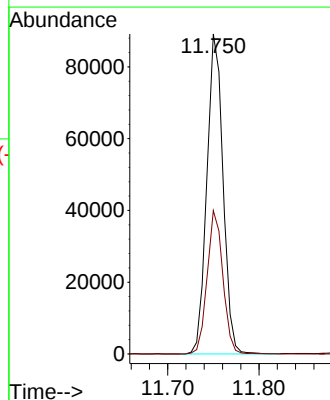
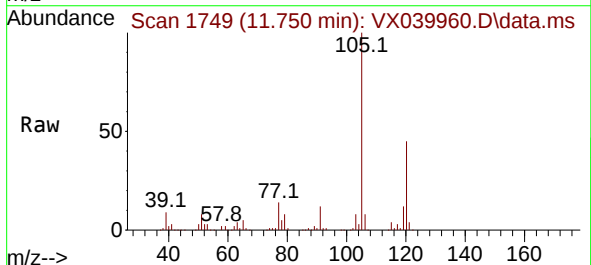
Instrument :
MSVOA_X
ClientSampleId :
50236

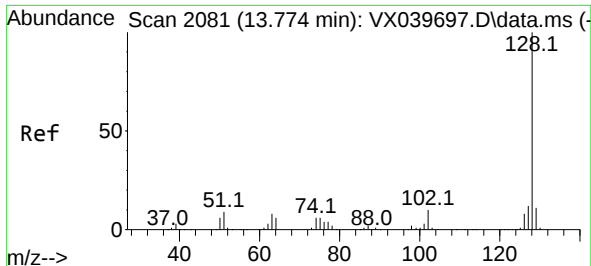
Tgt Ion:105 Resp: 25836
Ion Ratio Lower Upper
105 100
120 46.2 24.1 72.3



#84
1,2,4-Trimethylbenzene
Concen: 21.449 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX039960.D
Acq: 25 Jan 2024 17:36

Tgt Ion:105 Resp: 109272
Ion Ratio Lower Upper
105 100
120 43.6 21.2 63.6





#95

Naphthalene

Concen: 7.427 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX039960.D

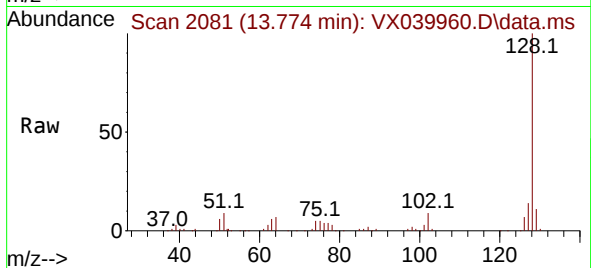
Acq: 25 Jan 2024 17:36

Instrument :

MSVOA_X

ClientSampleId :

50236



Tgt Ion:128 Resp: 42391

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.6 8.8 13.2

