

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062323\
 Data File : VX036297.D
 Acq On : 23 Jun 2023 18:09
 Operator : JC/MD
 Sample : 03342-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50047

Quant Time: Jun 24 04:12:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

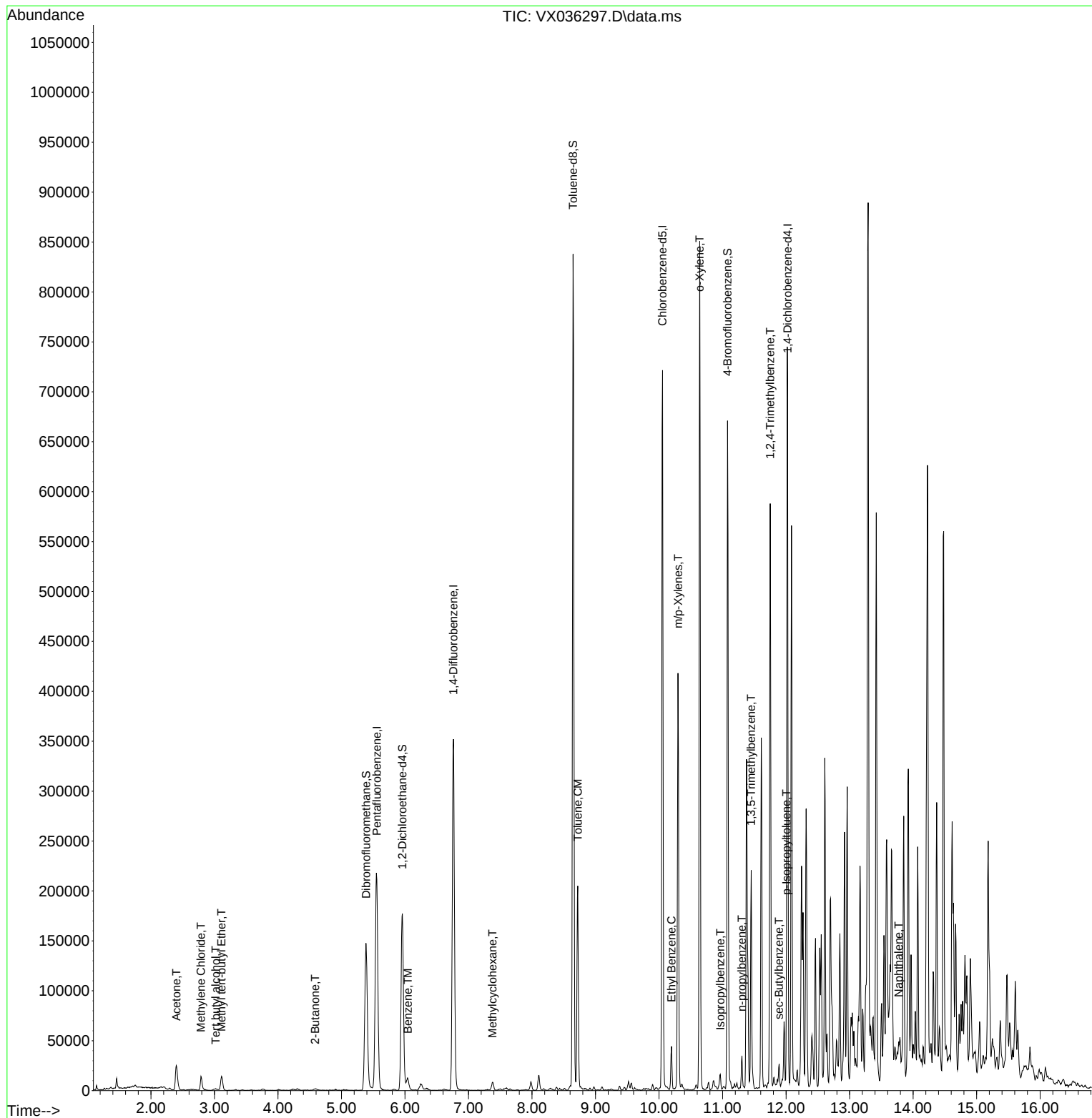
Internal Standards						
1) Pentafluorobenzene	5.556	168	206317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	361233	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	322799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	172285	58.255	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	116.520%
35) Dibromofluoromethane	5.385	113	130309	54.709	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.420%
50) Toluene-d8	8.647	98	494953	55.636	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	111.280%
62) 4-Bromofluorobenzene	11.079	95	174821	55.790	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.580%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	3.020	59	3426	6.364	ug/l	# 78
16) Acetone	2.398	43	36949	29.230	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	14737	1.945	ug/l	92
20) Methylene Chloride	2.788	84	6629	2.436	ug/l	95
25) 2-Butanone	4.586	43	3252	1.791	ug/l	96
39) Methylcyclohexane	7.379	83	3595	0.845	ug/l	87
40) Benzene	6.044	78	14145	1.426	ug/l	# 84
52) Toluene	8.720	92	74369	11.832	ug/l	91
67) Ethyl Benzene	10.195	91	23856	1.978	ug/l	98
68) m/p-Xylenes	10.299	106	95335	20.341	ug/l	96
69) o-Xylene	10.640	106	175170	38.702	ug/l	100
73) Isopropylbenzene	10.963	105	6588	0.586	ug/l	99
78) n-propylbenzene	11.305	91	20611	1.571	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	88790	9.331	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	250686	26.627	ug/l	97
85) sec-Butylbenzene	11.890	105	11188	0.968	ug/l	82
86) p-Isopropyltoluene	12.006	119	8897	0.918	ug/l	93
95) Naphthalene	13.774	128	18743	1.841	ug/l	# 86

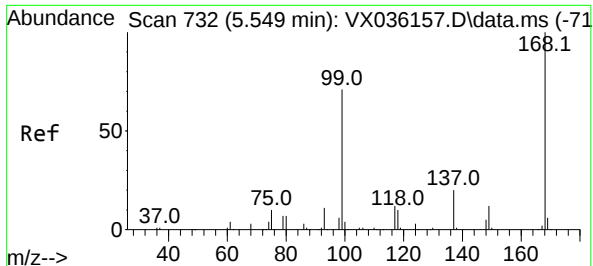
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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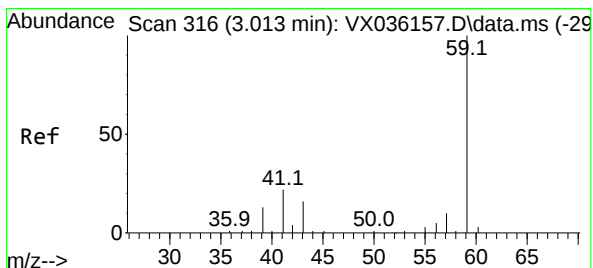
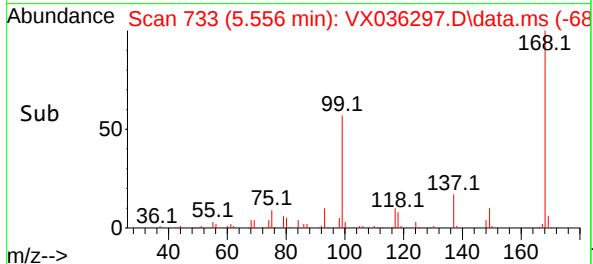
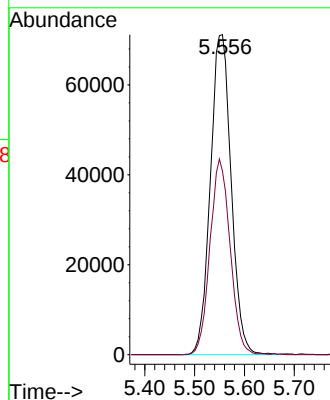
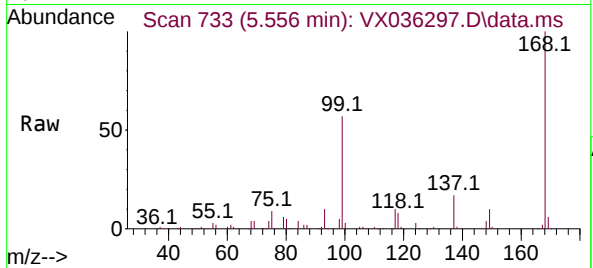




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

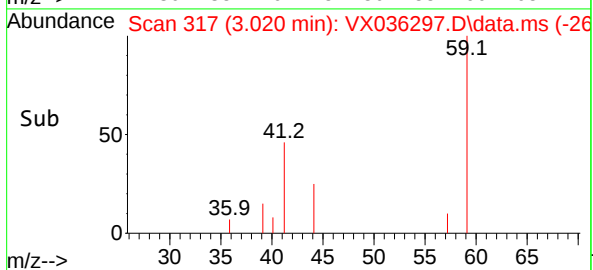
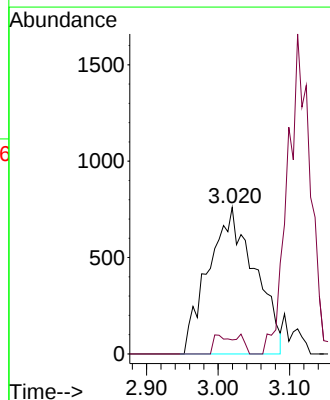
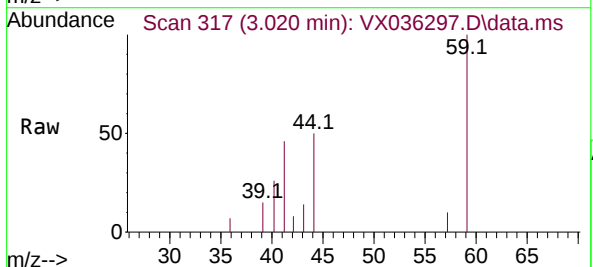
Instrument :
MSVOA_X
ClientSampleId :
50047

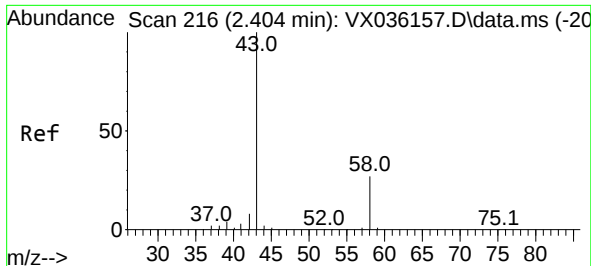
Tgt Ion:168 Resp: 206317
Ion Ratio Lower Upper
168 100
99 57.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 6.364 ug/l
RT: 3.020 min Scan# 317
Delta R.T. 0.007 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

Tgt Ion: 59 Resp: 3426
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

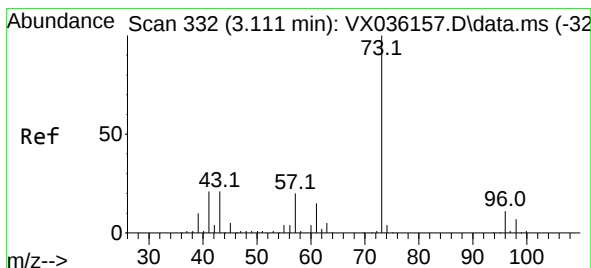
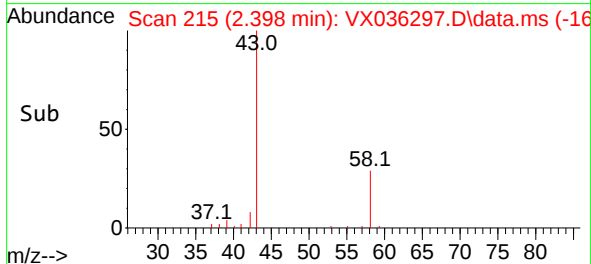
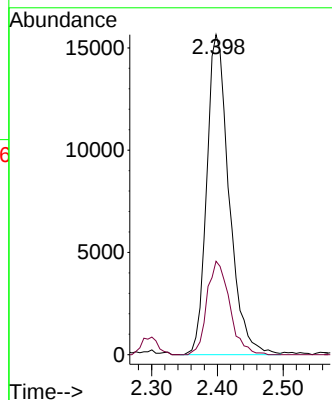
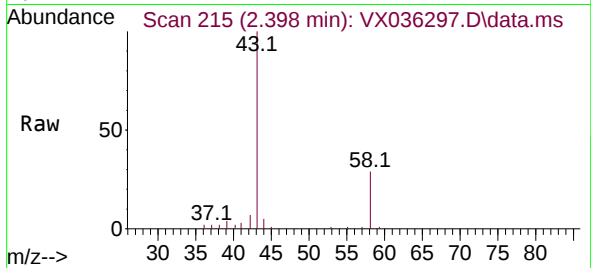




#16
Acetone
Concen: 29.230 ug/l
RT: 2.398 min Scan# 216
Delta R.T. -0.006 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

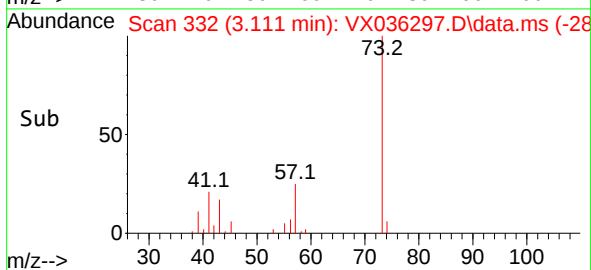
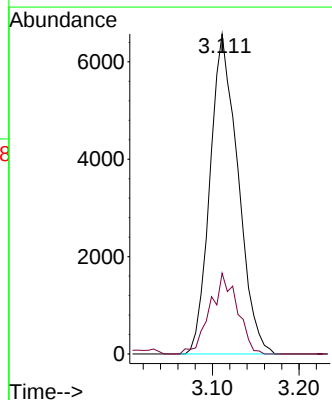
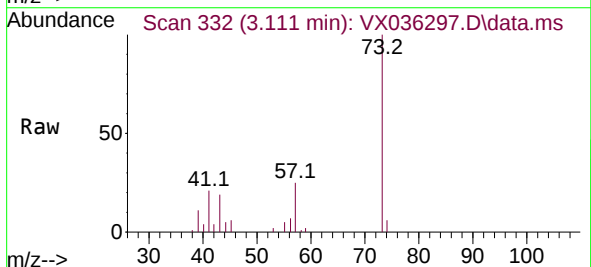
Instrument :
MSVOA_X
ClientSampleId :
50047

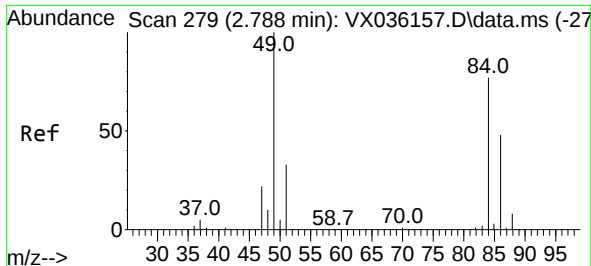
Tgt Ion: 43 Resp: 36949
Ion Ratio Lower Upper
43 100
58 29.2 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 1.945 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

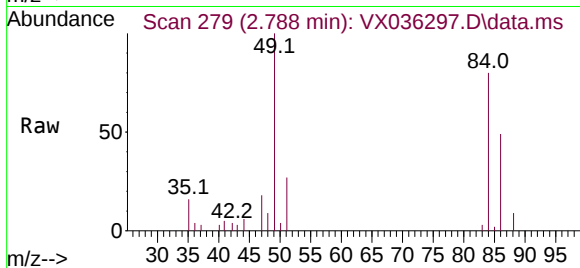
Tgt Ion: 73 Resp: 14737
Ion Ratio Lower Upper
73 100
57 25.3 17.3 25.9



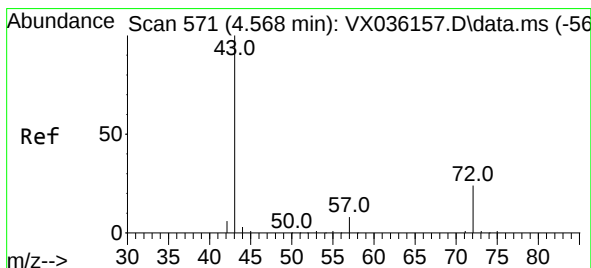
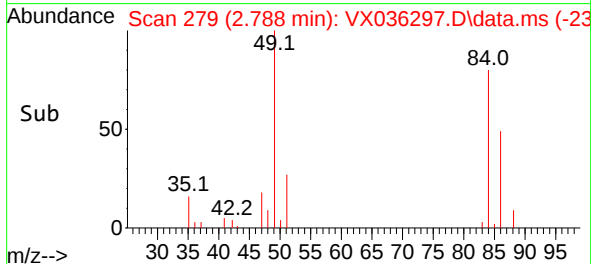
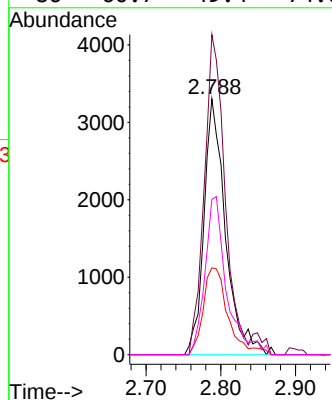


#20
Methylene Chloride
Concen: 2.436 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

Instrument :
MSVOA_X
ClientSampleId :
50047

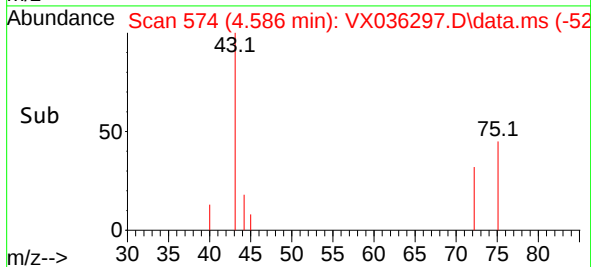
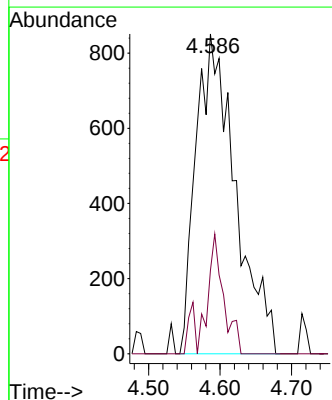
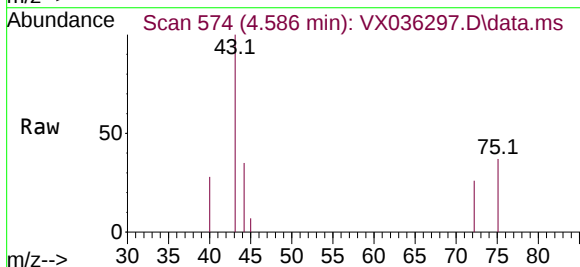


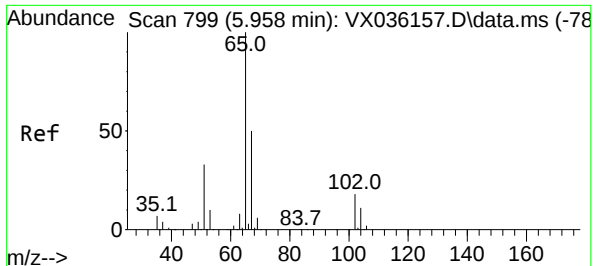
Tgt Ion:	84	Resp:	6629
Ion	Ratio	Lower	Upper
84	100		
49	125.1	103.6	155.4
51	34.0	33.8	50.6
86	60.7	49.4	74.0



#25
2-Butanone
Concen: 1.791 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

Tgt Ion:	43	Resp:	3252
Ion	Ratio	Lower	Upper
43	100		
72	26.1	19.4	29.2





#33

1,2-Dichloroethane-d4

Concen: 58.255 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036297.D

Acq: 23 Jun 2023 18:09

Instrument :

MSVOA_X

ClientSampleId :

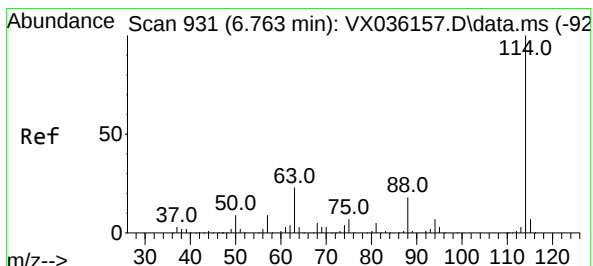
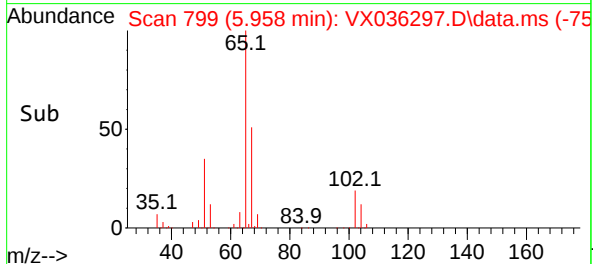
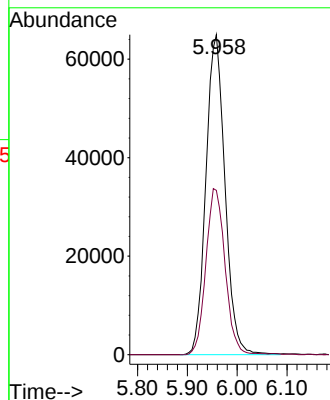
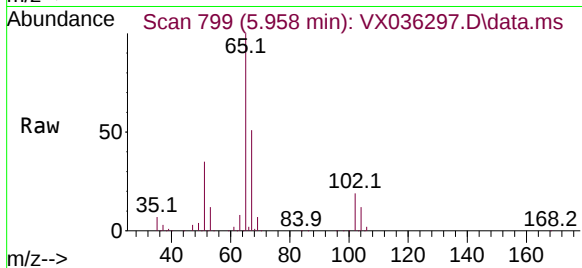
50047

Tgt Ion: 65 Resp: 172285

Ion Ratio Lower Upper

65 100

67 52.3 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: VX036297.D

Acq: 23 Jun 2023 18:09

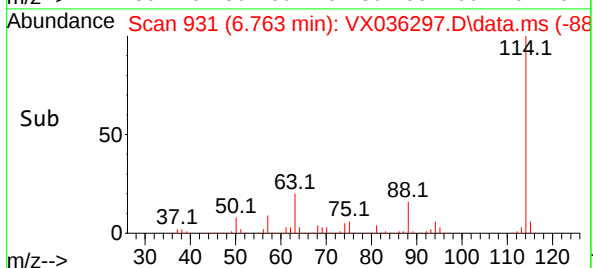
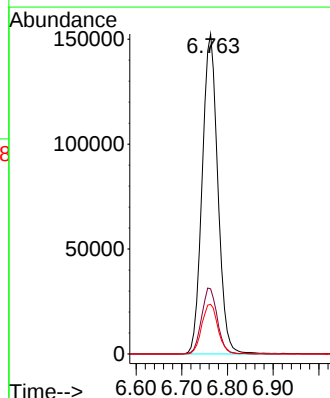
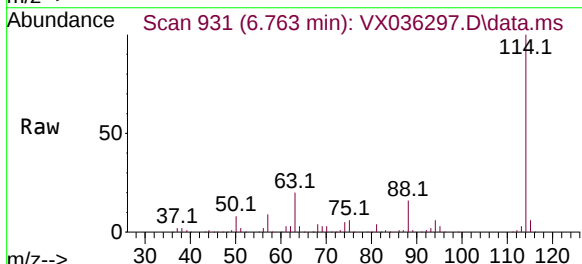
Tgt Ion: 114 Resp: 361233

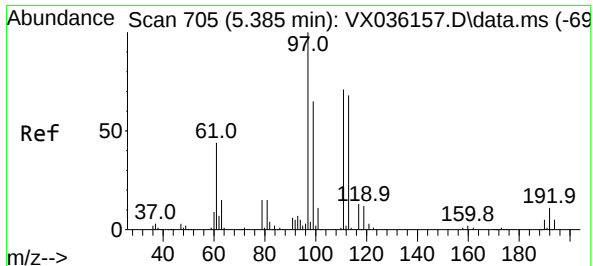
Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.0

88 15.5 0.0 36.6





#35

Dibromofluoromethane

Concen: 54.709 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036297.D

Acq: 23 Jun 2023 18:09

Instrument :

MSVOA_X

ClientSampleId :

50047

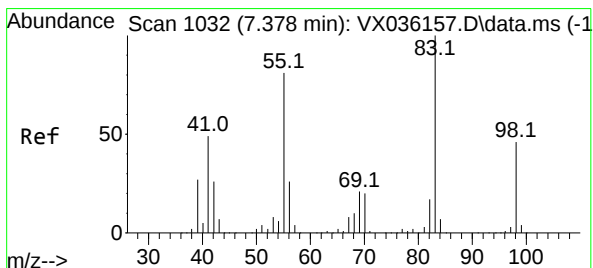
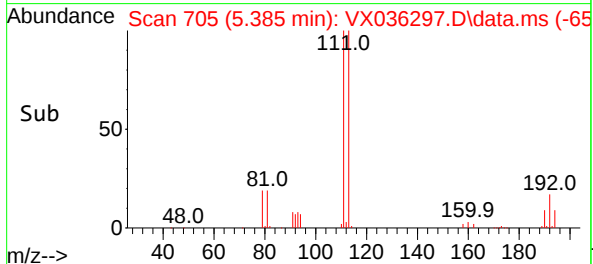
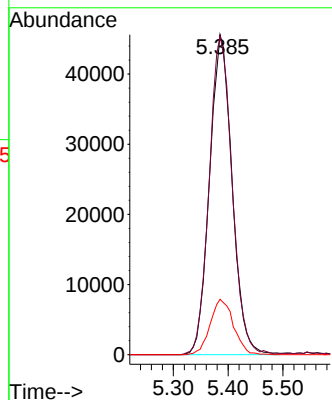
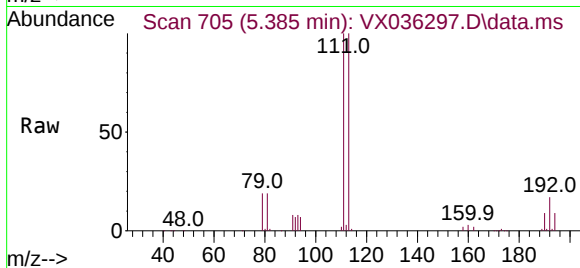
Tgt Ion:113 Resp: 130309

Ion Ratio Lower Upper

113 100

111 101.2 82.9 124.3

192 17.9 13.3 19.9



#39

Methylcyclohexane

Concen: 0.845 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.001 min

Lab File: VX036297.D

Acq: 23 Jun 2023 18:09

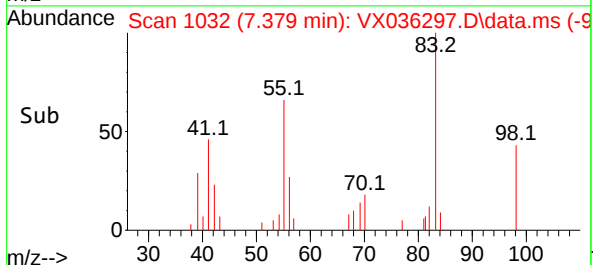
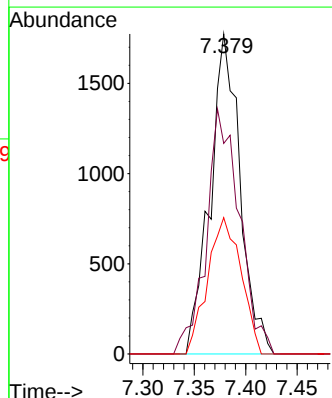
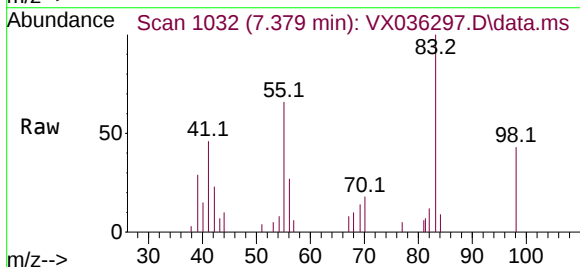
Tgt Ion: 83 Resp: 3595

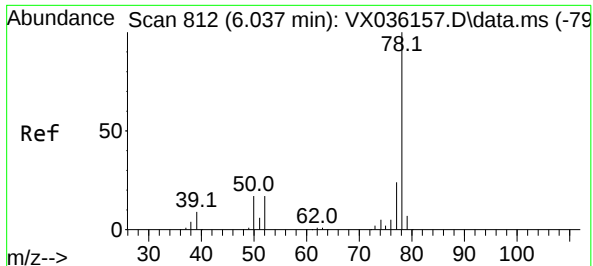
Ion Ratio Lower Upper

83 100

55 65.8 64.6 97.0

98 42.6 36.7 55.1





#40

Benzene

Concen: 1.426 ug/l

RT: 6.044 min Scan# 81

Delta R.T. 0.007 min

Lab File: VX036297.D

Acq: 23 Jun 2023 18:09

Instrument :

MSVOA_X

ClientSampleId :

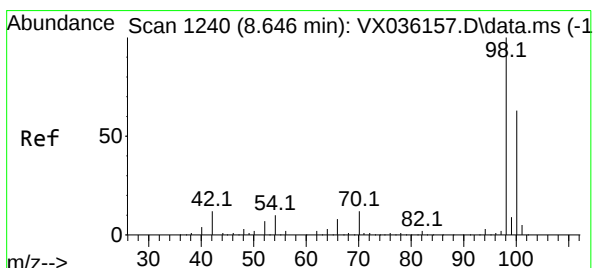
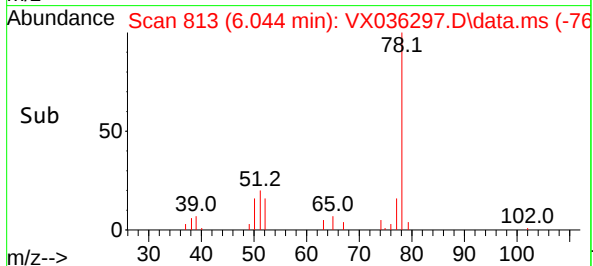
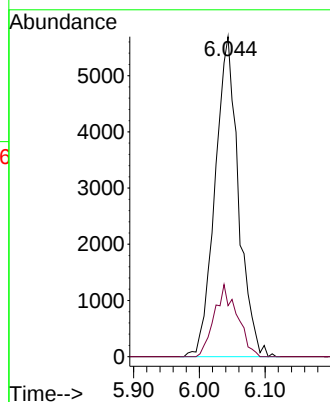
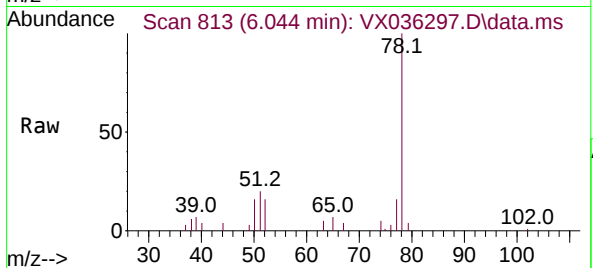
50047

Tgt Ion: 78 Resp: 14145

Ion Ratio Lower Upper

78 100

77 16.0 19.3 28.9#



#50

Toluene-d8

Concen: 55.636 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036297.D

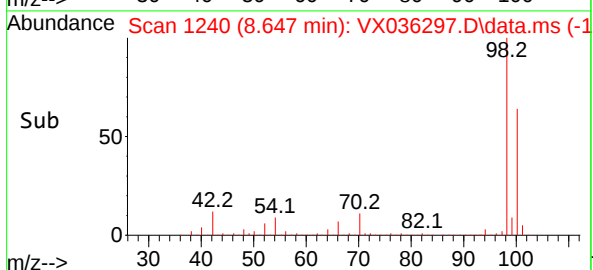
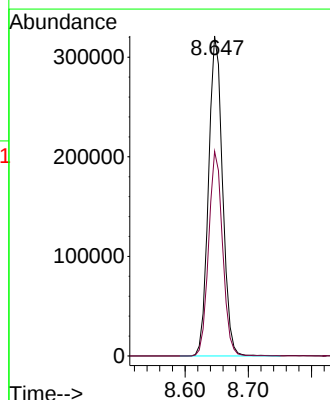
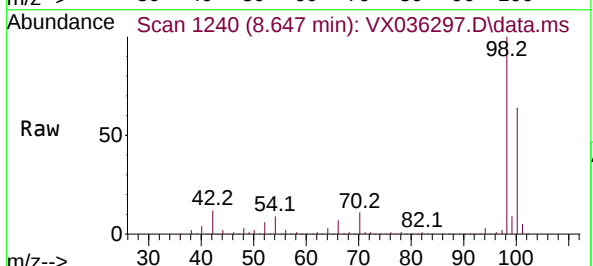
Acq: 23 Jun 2023 18:09

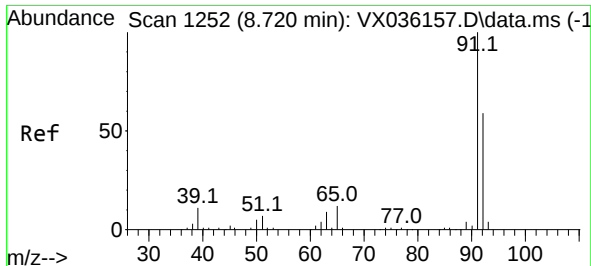
Tgt Ion: 98 Resp: 494953

Ion Ratio Lower Upper

98 100

100 63.5 53.1 79.7

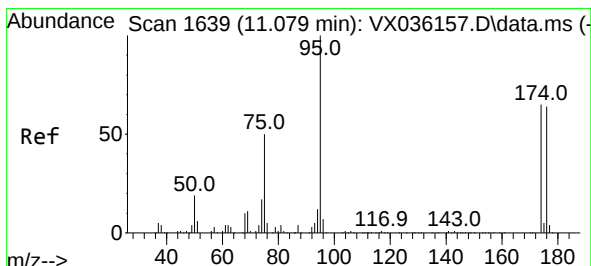
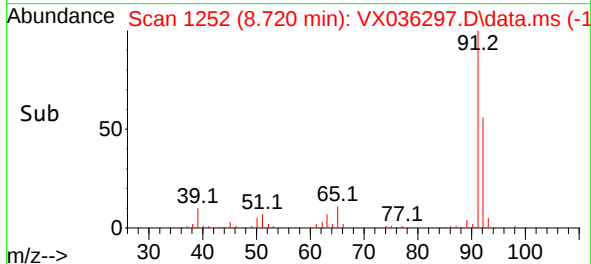
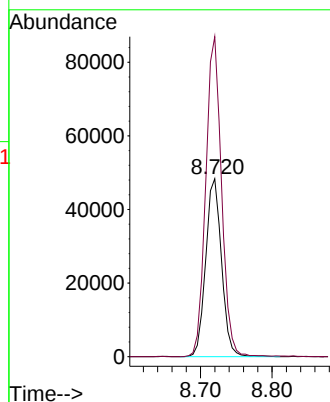
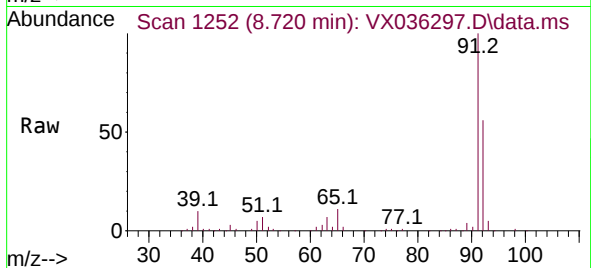




#52
Toluene
Concen: 11.832 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

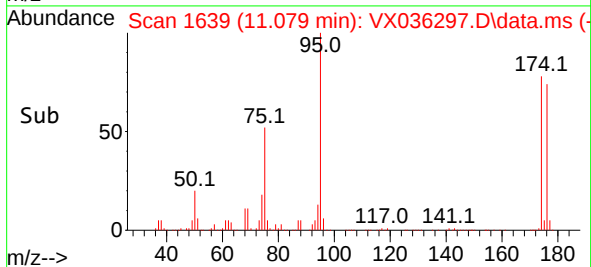
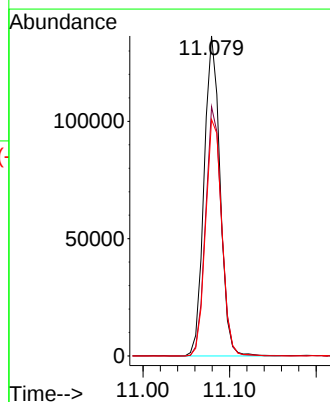
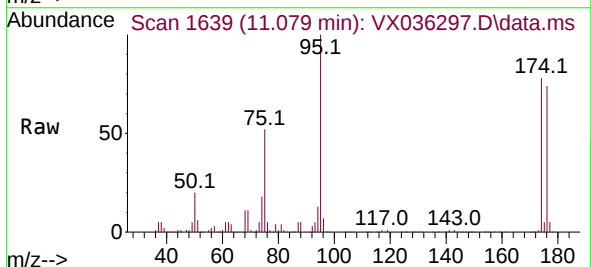
Instrument :
MSVOA_X
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50047

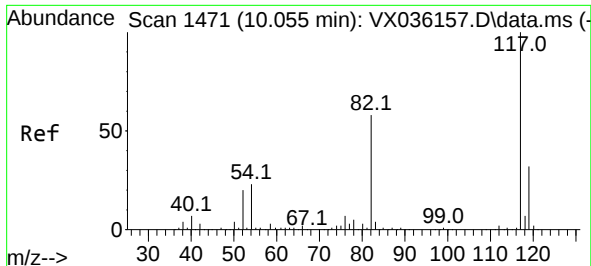
Tgt Ion: 92 Resp: 74369
Ion Ratio Lower Upper
92 100
91 179.5 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 55.790 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

Tgt Ion: 95 Resp: 174821
Ion Ratio Lower Upper
95 100
174 77.5 0.0 135.6
176 75.2 0.0 131.0

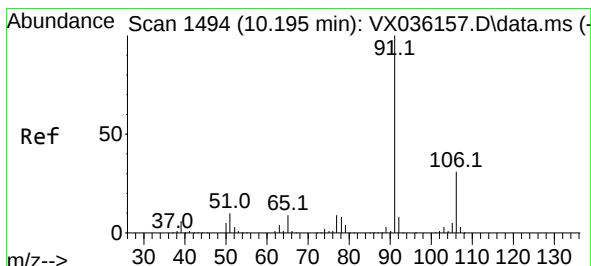
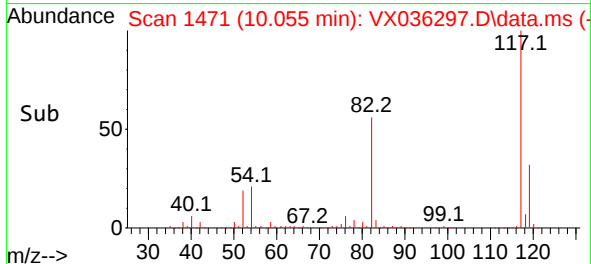
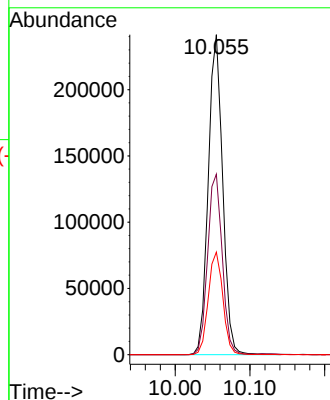
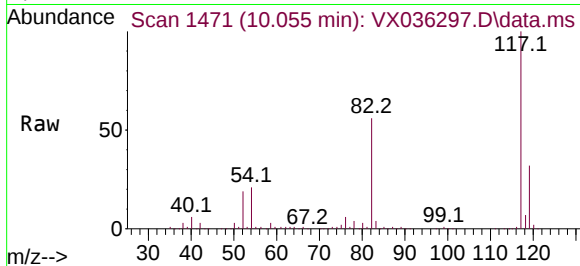




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

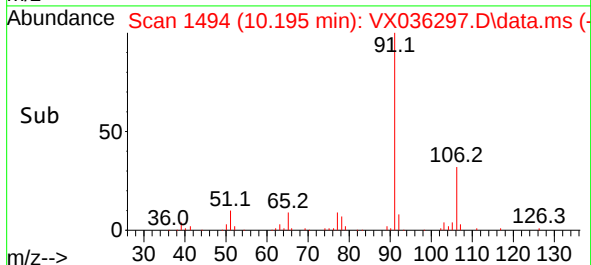
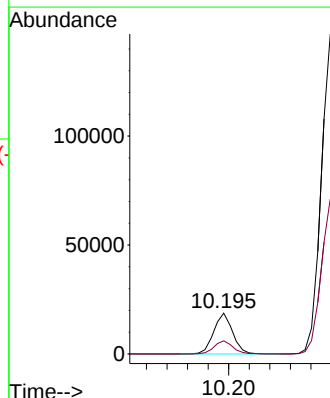
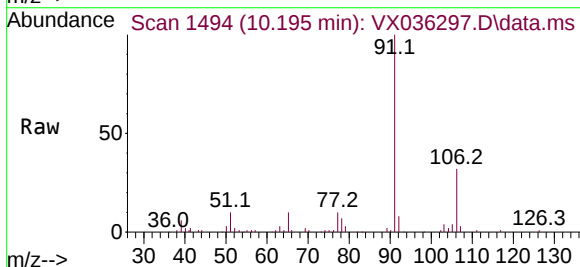
Instrument :
MSVOA_X
ClientSampleId :
50047

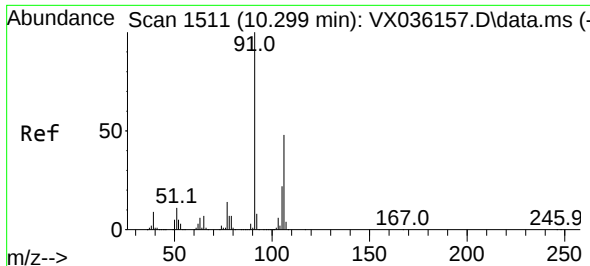
Tgt Ion:117 Resp: 322799
Ion Ratio Lower Upper
117 100
82 56.4 46.2 69.4
119 32.0 25.5 38.3



#67
Ethyl Benzene
Concen: 1.978 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

Tgt Ion: 91 Resp: 23856
Ion Ratio Lower Upper
91 100
106 32.1 24.9 37.3

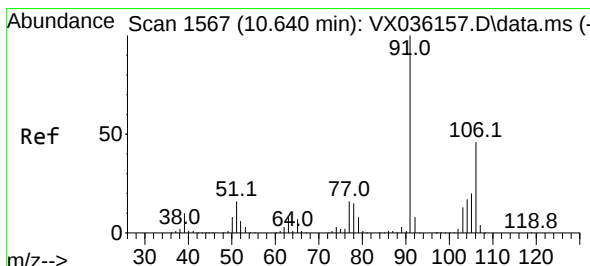
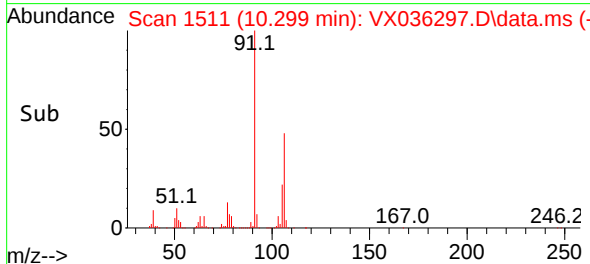
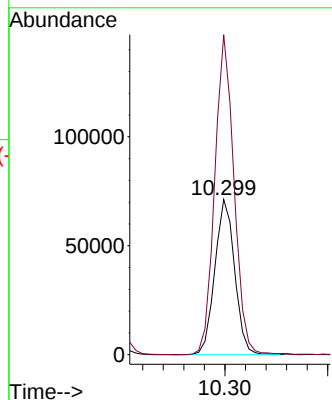
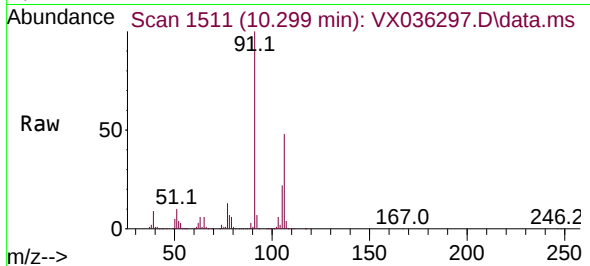




#68
m/p-Xylenes
Concen: 20.341 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

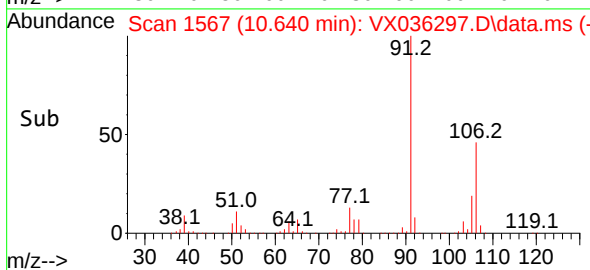
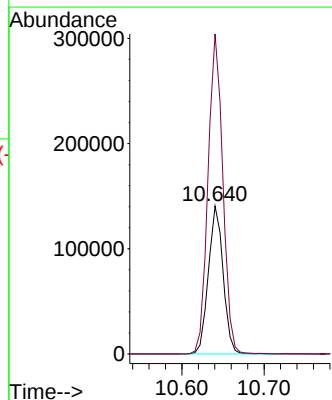
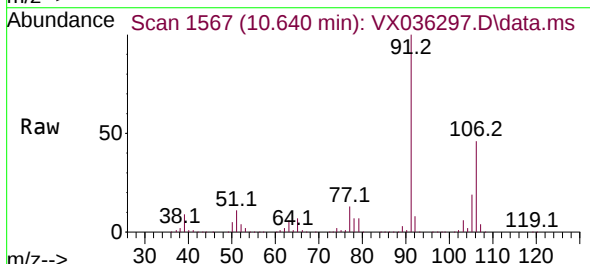
Instrument :
MSVOA_X
ClientSampleId :
50047

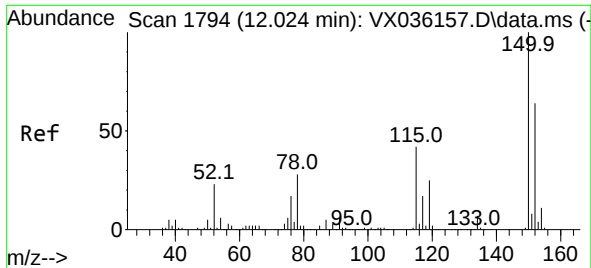
Tgt Ion:106 Resp: 95335
Ion Ratio Lower Upper
106 100
91 200.8 165.5 248.3



#69
o-Xylene
Concen: 38.702 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

Tgt Ion:106 Resp: 175170
Ion Ratio Lower Upper
106 100
91 217.3 108.9 326.8

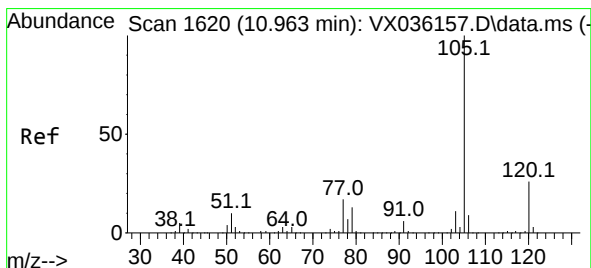
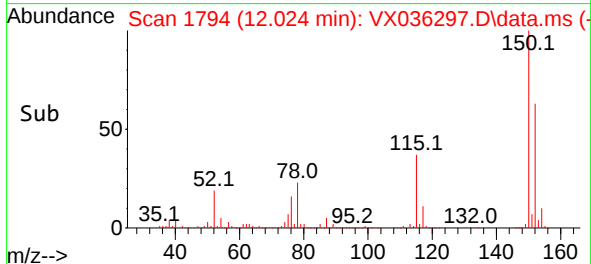
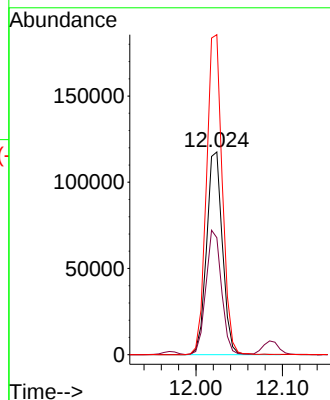
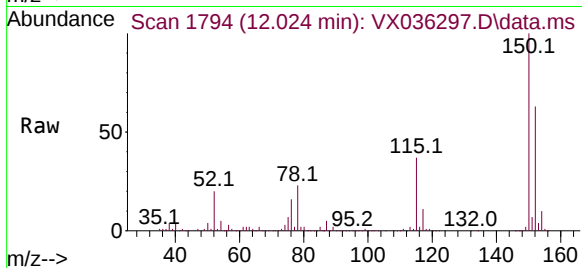




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

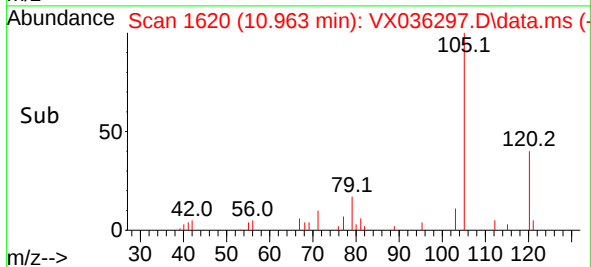
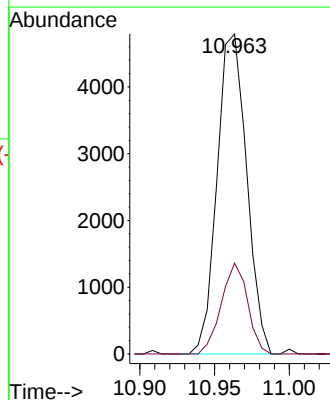
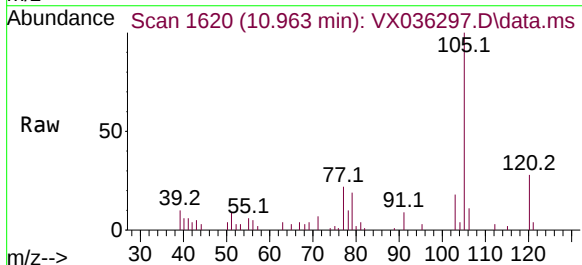
Instrument :
MSVOA_X
ClientSampleId :
50047

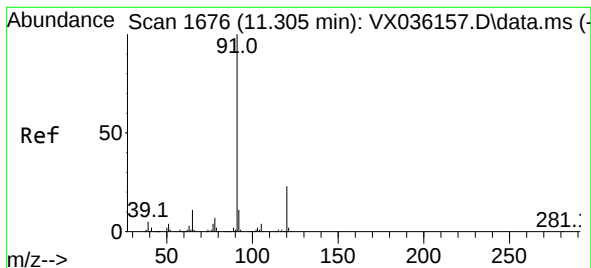
Tgt Ion:152 Resp: 149105
Ion Ratio Lower Upper
152 100
115 60.4 43.3 129.9
150 158.0 0.0 345.0



#73
Isopropylbenzene
Concen: 0.586 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX036297.D
Acq: 23 Jun 2023 18:09

Tgt Ion:105 Resp: 6588
Ion Ratio Lower Upper
105 100
120 25.2 12.9 38.6





#78

n-propylbenzene

Concen: 1.571 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX036297.D

Acq: 23 Jun 2023 18:09

Instrument :

MSVOA_X

ClientSampleId :

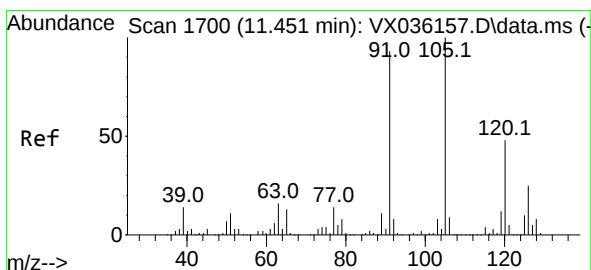
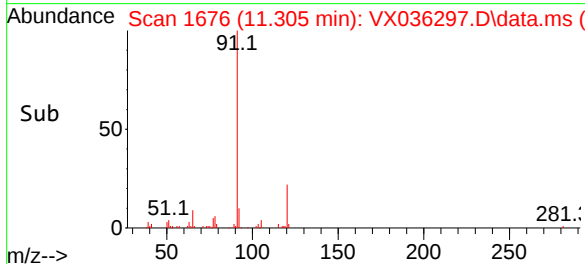
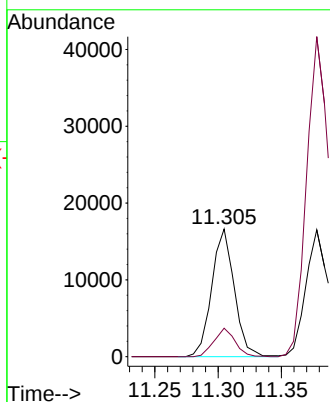
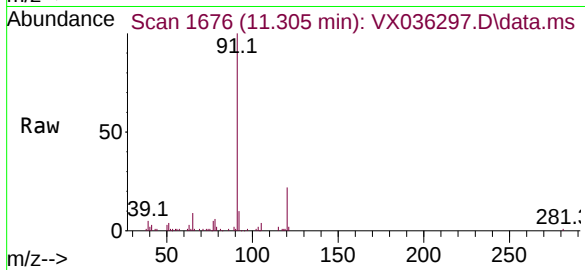
50047

Tgt Ion: 91 Resp: 20611

Ion Ratio Lower Upper

91 100

120 20.9 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 9.331 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX036297.D

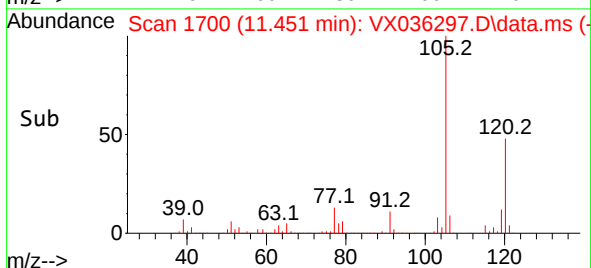
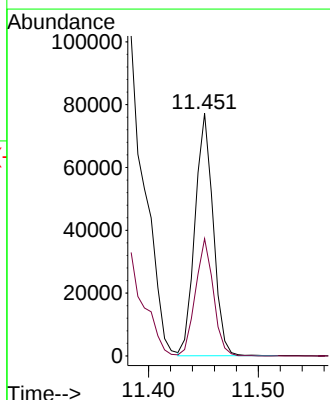
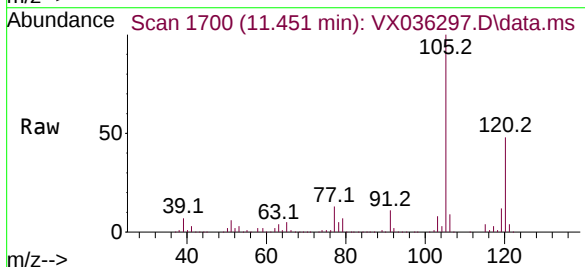
Acq: 23 Jun 2023 18:09

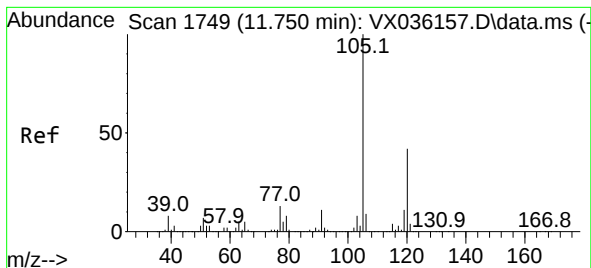
Tgt Ion: 105 Resp: 88790

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 26.627 ug/l

RT: 11.750 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX036297.D

Acq: 23 Jun 2023 18:09

Instrument :

MSVOA_X

ClientSampleId :

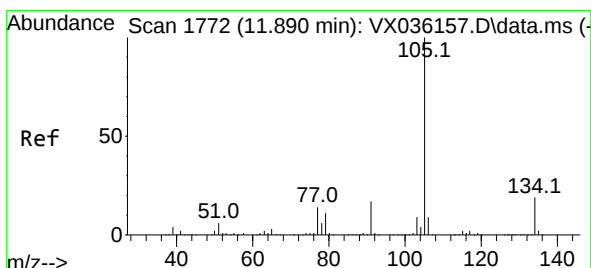
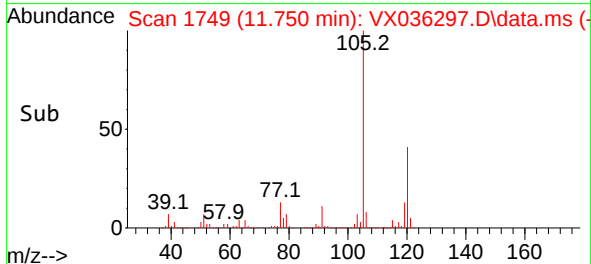
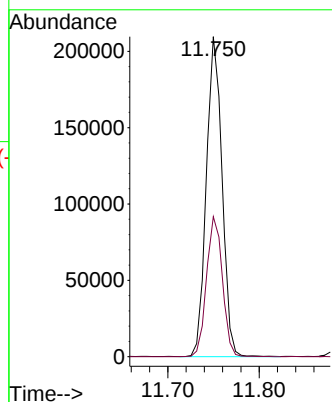
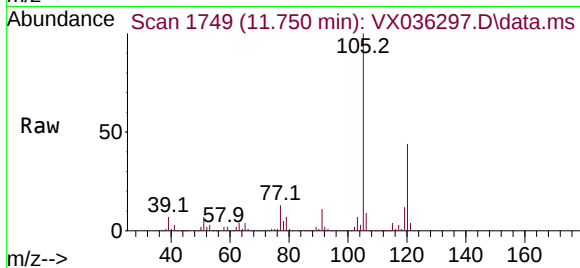
50047

Tgt Ion:105 Resp: 250686

Ion Ratio Lower Upper

105 100

120 44.3 21.2 63.6



#85

sec-Butylbenzene

Concen: 0.968 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX036297.D

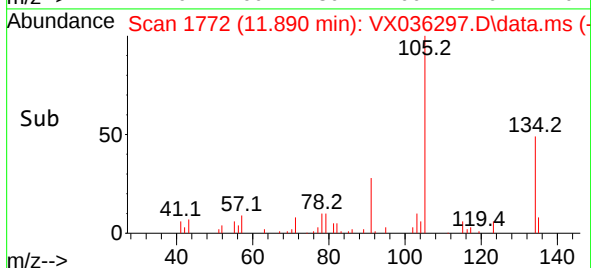
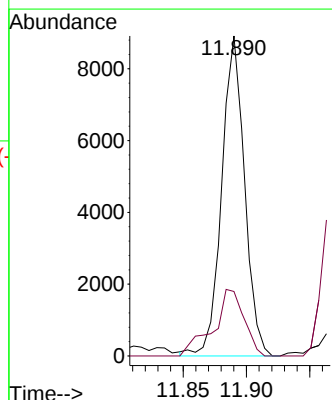
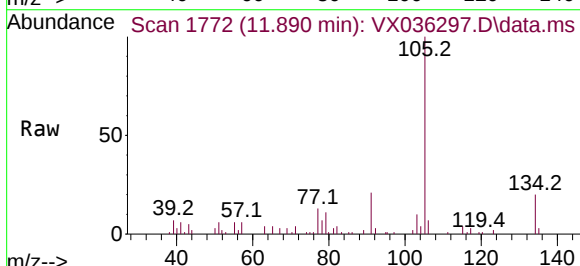
Acq: 23 Jun 2023 18:09

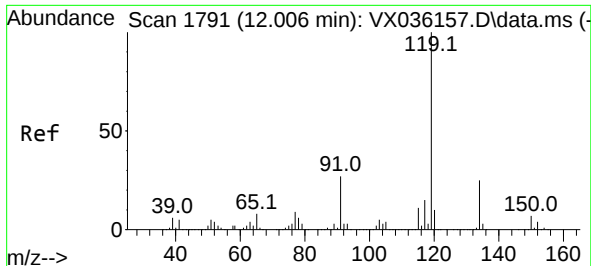
Tgt Ion:105 Resp: 11188

Ion Ratio Lower Upper

105 100

134 27.9 9.8 29.4





#86

p-Isopropyltoluene

Concen: 0.918 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX036297.D

Acq: 23 Jun 2023 18:09

Instrument :

MSVOA_X

ClientSampleId :

50047

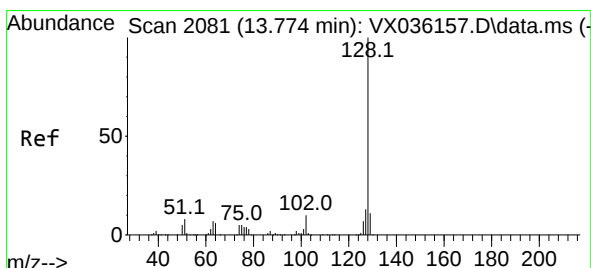
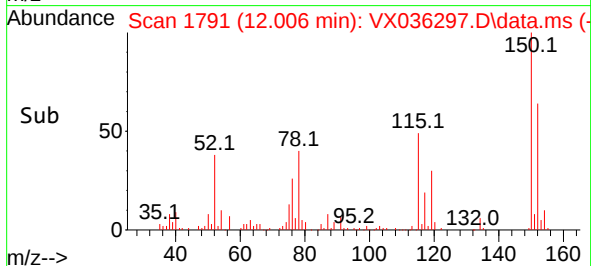
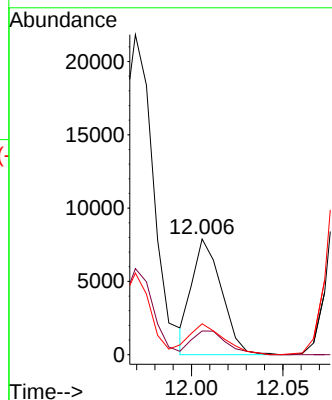
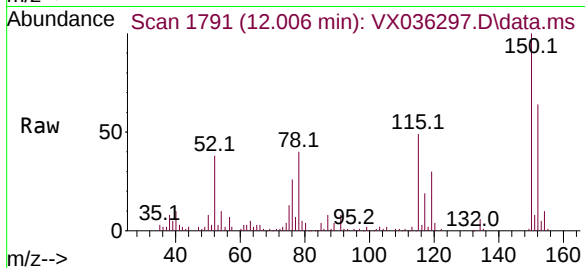
Tgt Ion:119 Resp: 8897

Ion Ratio Lower Upper

119 100

134 24.2 12.8 38.3

91 32.3 13.1 39.3



#95

Naphthalene

Concen: 1.841 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX036297.D

Acq: 23 Jun 2023 18:09

Tgt Ion:128 Resp: 18743

Ion Ratio Lower Upper

128 100

127 14.4 10.3 15.5

129 20.7 8.8 13.2#

