

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021424\
 Data File : VX040236.D
 Acq On : 14 Feb 2024 21:16
 Operator : JC/MD
 Sample : P1424-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1285

Quant Time: Feb 15 00:09:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

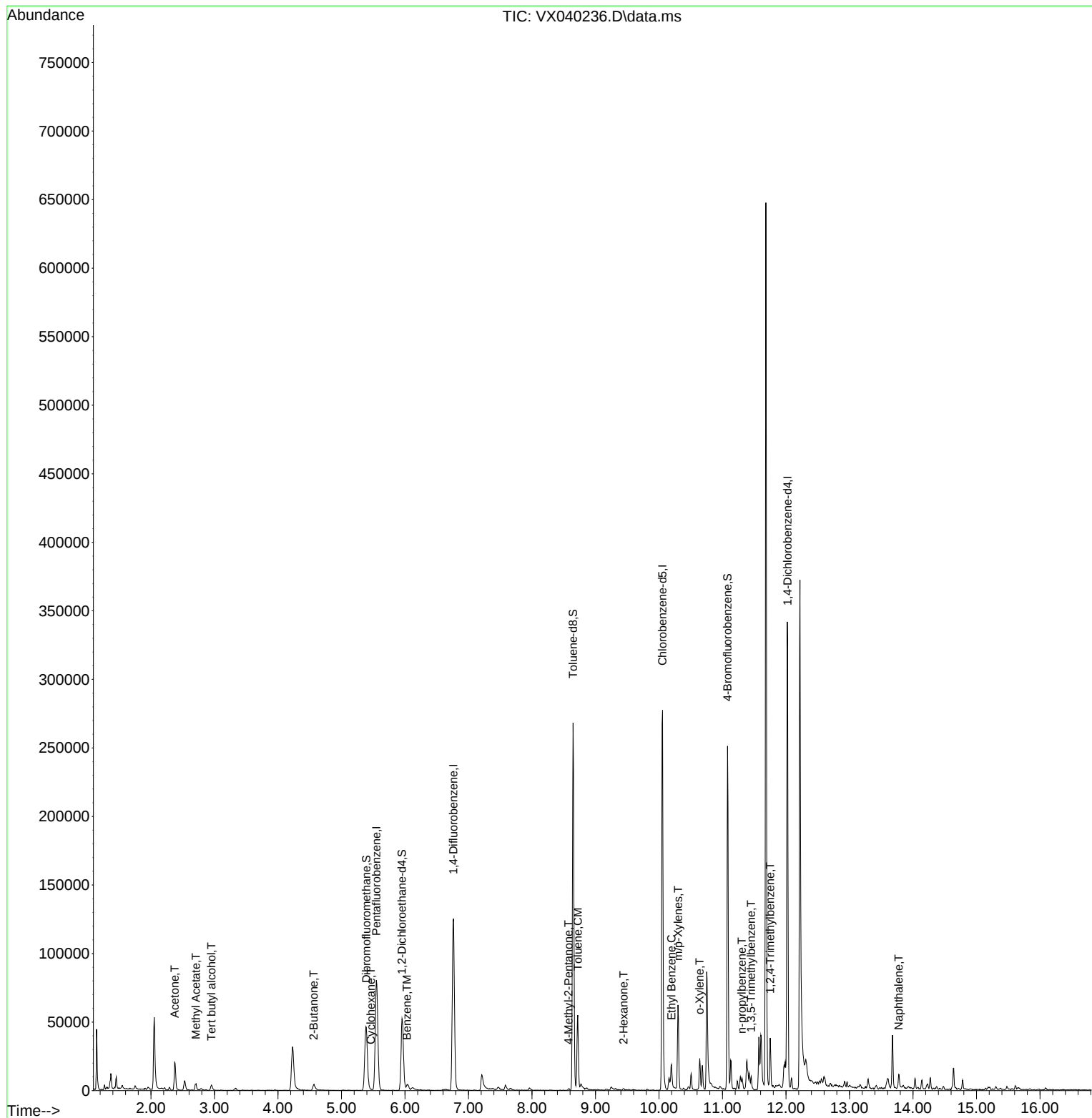
Internal Standards						
1) Pentafluorobenzene	5.550	168	77135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	130333	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	51300	44.704	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.400%		
35) Dibromofluoromethane	5.391	113	41434	45.523	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.040%		
50) Toluene-d8	8.647	98	158560	46.571	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.140%		
62) 4-Bromofluorobenzene	11.079	95	65259	46.997	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.000%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	4302	19.246	ug/l #	93
16) Acetone	2.374	43	21792	46.238	ug/l	95
18) Methyl Acetate	2.709	43	6410	5.073	ug/l	94
25) 2-Butanone	4.562	43	8100	10.995	ug/l	96
31) Cyclohexane	5.465	56	384	0.281	ug/l #	76
40) Benzene	6.032	78	5022	1.409	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	798	0.528	ug/l	95
52) Toluene	8.720	92	19597	8.391	ug/l	88
59) 2-Hexanone	9.439	43	1050	0.876	ug/l	94
67) Ethyl Benzene	10.195	91	10017	2.129	ug/l	98
68) m/p-Xylenes	10.299	106	14065	7.915	ug/l	100
69) o-Xylene	10.640	106	5071	2.936	ug/l	97
78) n-propylbenzene	11.305	91	3051	0.518	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	3500	0.855	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	14609	3.528	ug/l	99
95) Naphthalene	13.774	128	6539	1.373	ug/l	98

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

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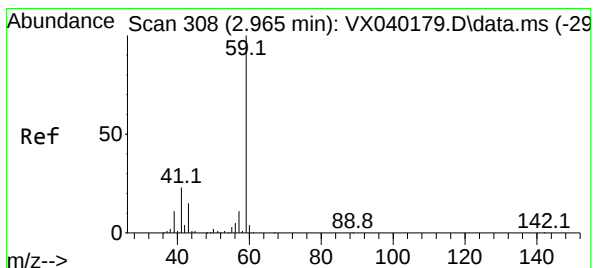
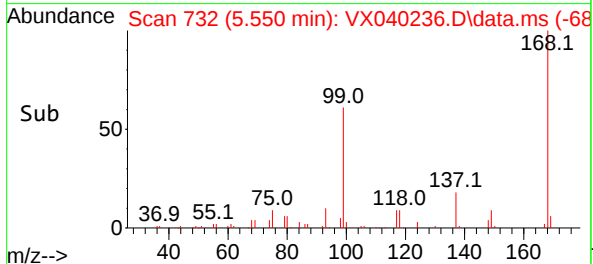
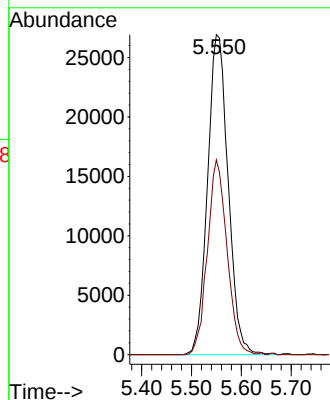
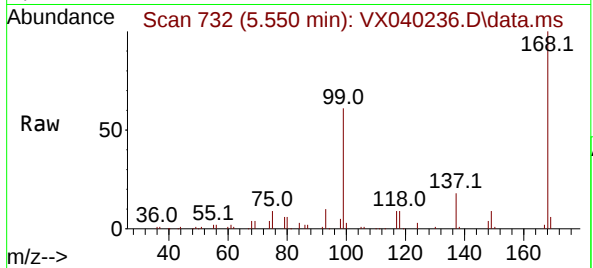




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

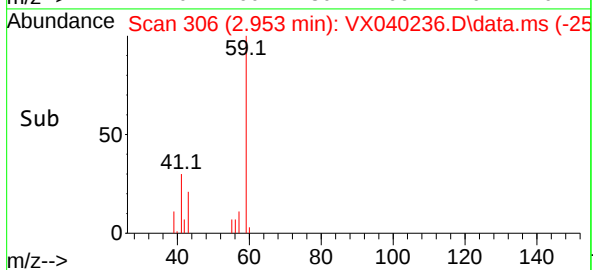
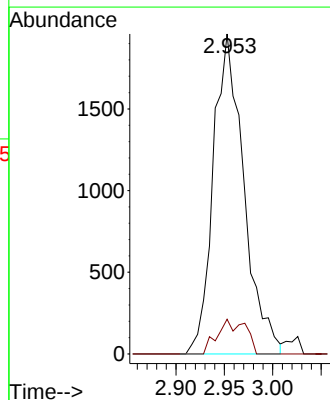
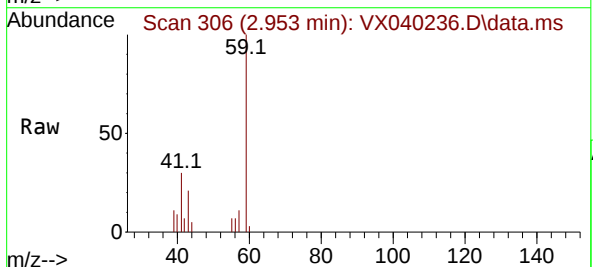
Instrument :
MSVOA_X
ClientSampleId :
1285

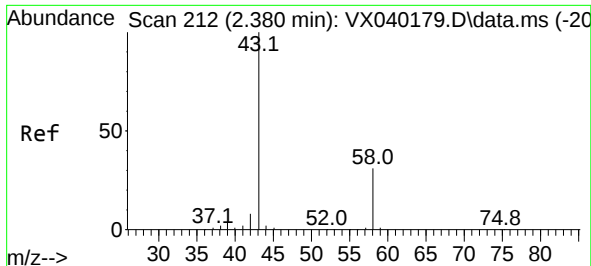
Tgt Ion:168 Resp: 77135
Ion Ratio Lower Upper
168 100
99 60.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 19.246 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

Tgt Ion: 59 Resp: 4302
Ion Ratio Lower Upper
59 100
57 9.9 6.0 9.0#

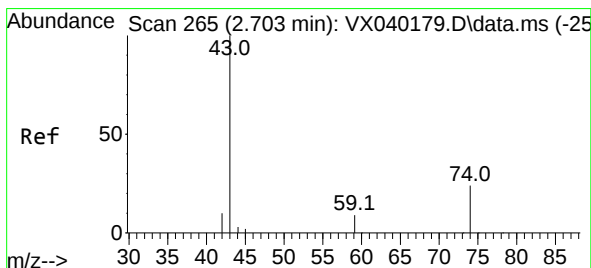
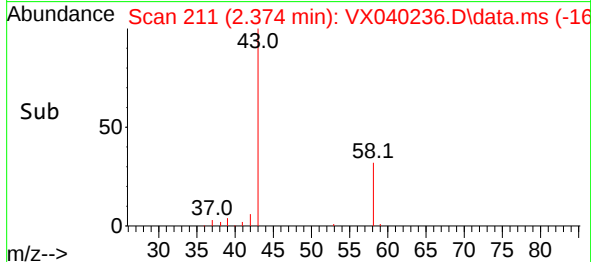
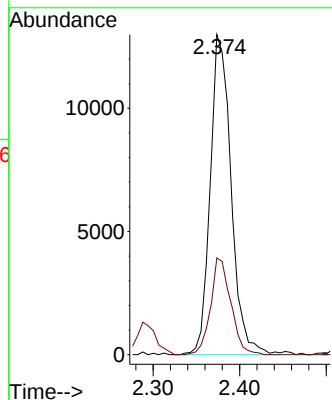
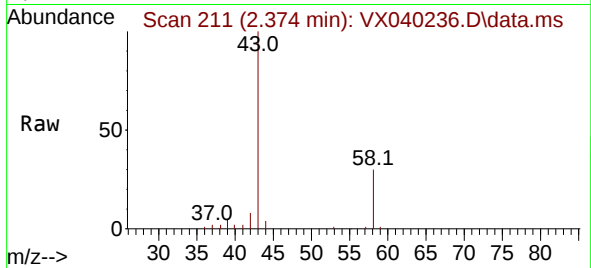




#16
Acetone
Concen: 46.238 ug/l
RT: 2.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

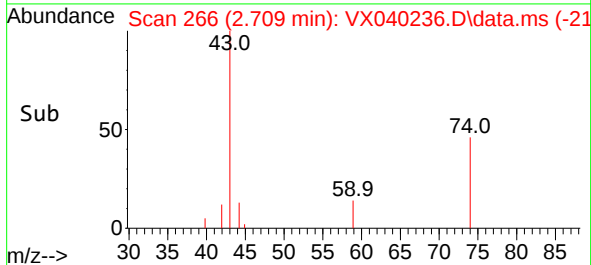
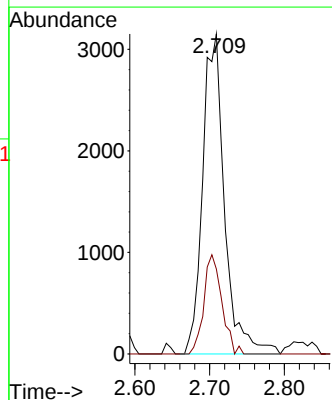
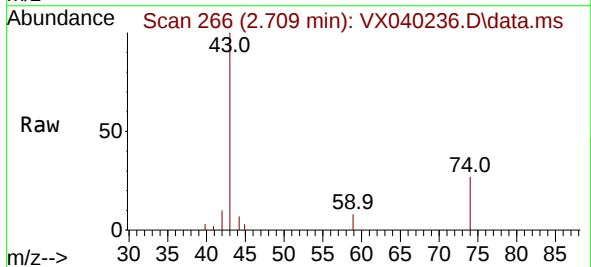
Instrument :
MSVOA_X
ClientSampleId :
1285

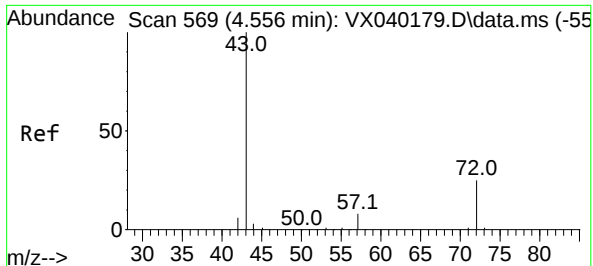
Tgt Ion: 43 Resp: 21792
Ion Ratio Lower Upper
43 100
58 30.2 21.9 32.9



#18
Methyl Acetate
Concen: 5.073 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

Tgt Ion: 43 Resp: 6410
Ion Ratio Lower Upper
43 100
74 25.4 17.8 26.8

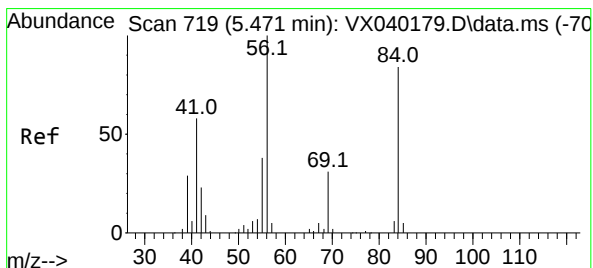
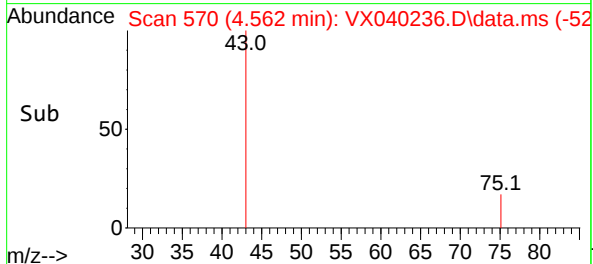
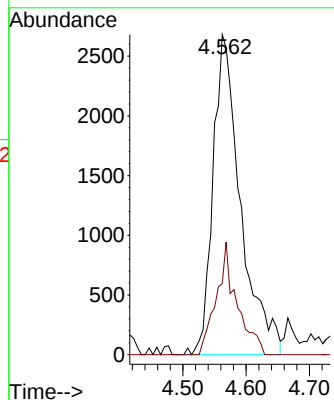
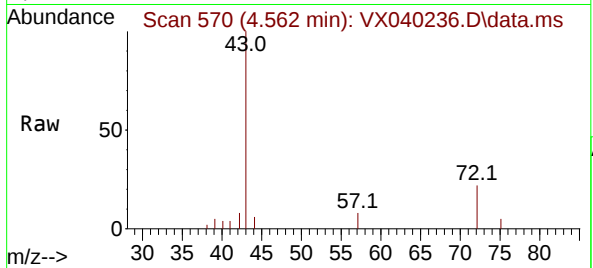




#25
2-Butanone
Concen: 10.995 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

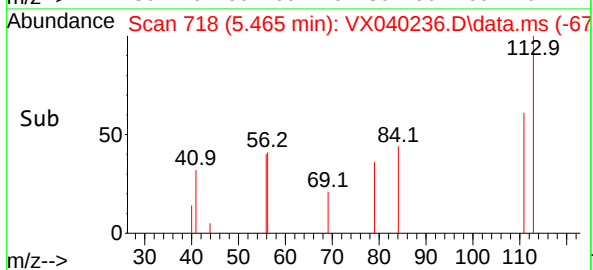
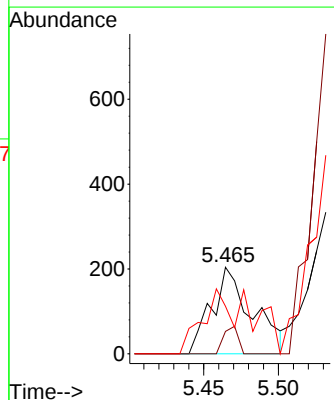
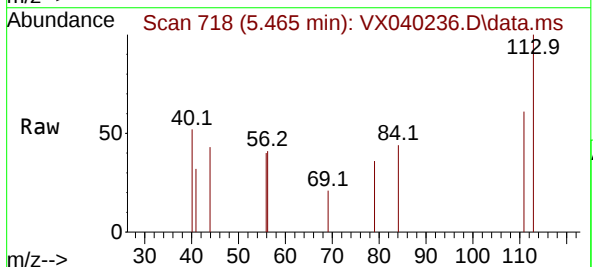
Instrument :
MSVOA_X
ClientSampleId :
1285

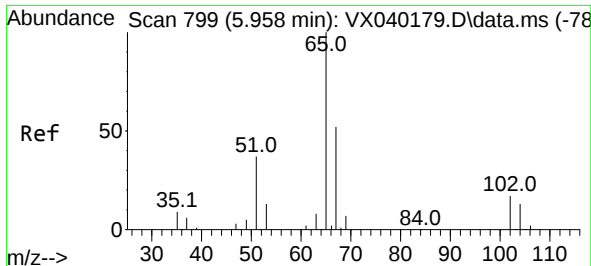
Tgt Ion: 43 Resp: 8100
Ion Ratio Lower Upper
43 100
72 22.3 19.4 29.2



#31
Cyclohexane
Concen: 0.281 ug/l
RT: 5.465 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

Tgt Ion: 56 Resp: 384
Ion Ratio Lower Upper
56 100
69 26.0 23.4 35.2
84 54.9 65.9 98.9#

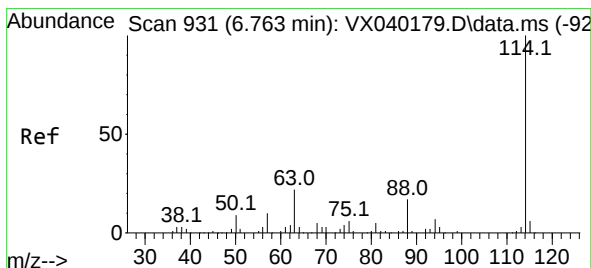
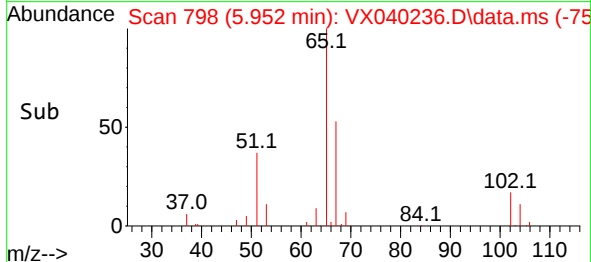
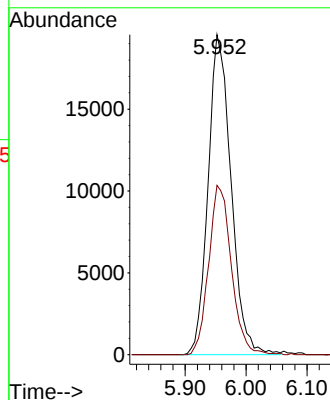
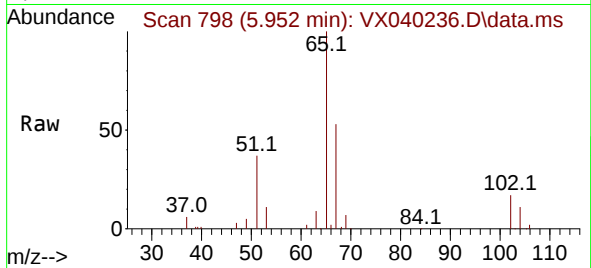




#33
1,2-Dichloroethane-d4
Concen: 44.704 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

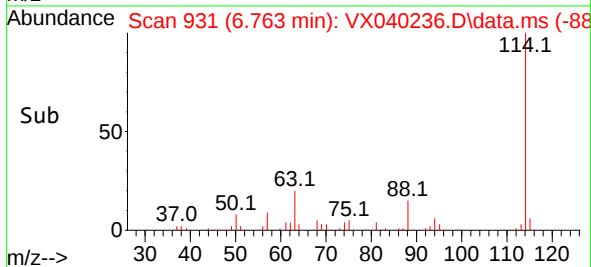
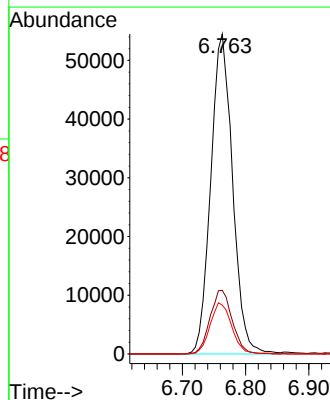
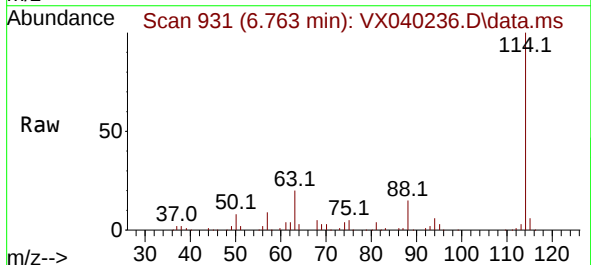
Instrument :
MSVOA_X
ClientSampleId :
1285

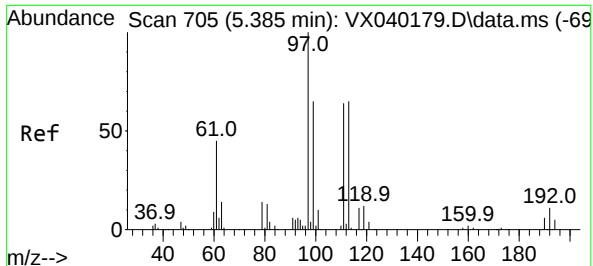
Tgt Ion: 65 Resp: 51300
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

Tgt Ion: 114 Resp: 130333
Ion Ratio Lower Upper
114 100
63 19.9 0.0 45.0
88 15.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.523 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX040236.D

Acq: 14 Feb 2024 21:16

Instrument :

MSVOA_X

ClientSampleId :

1285

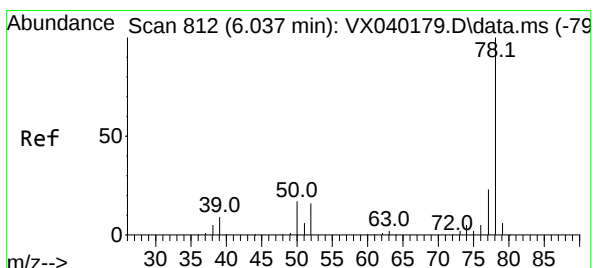
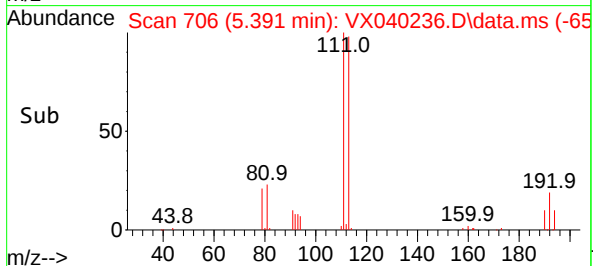
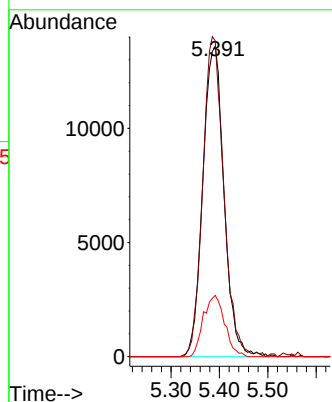
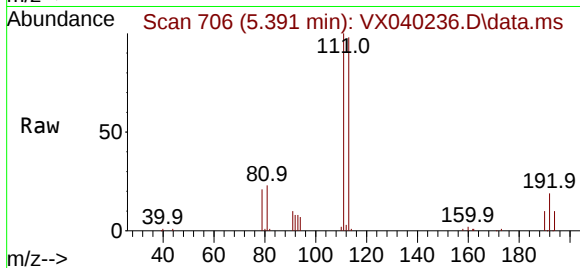
Tgt Ion:113 Resp: 41434

Ion Ratio Lower Upper

113 100

111 101.0 82.9 124.3

192 19.9 13.3 19.9



#40

Benzene

Concen: 1.409 ug/l

RT: 6.032 min Scan# 811

Delta R.T. -0.006 min

Lab File: VX040236.D

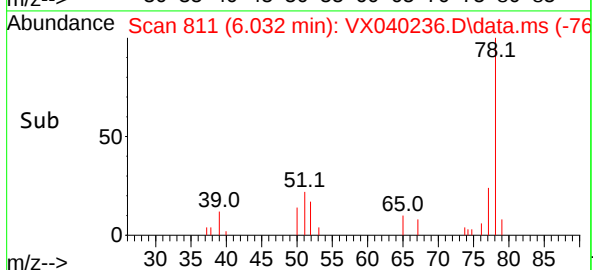
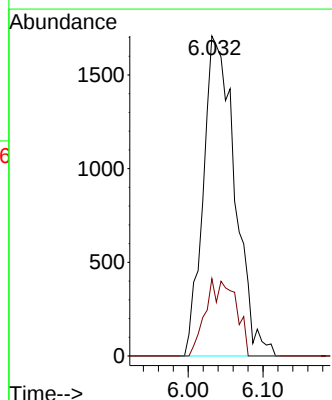
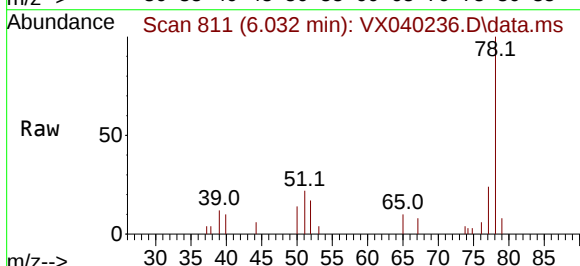
Acq: 14 Feb 2024 21:16

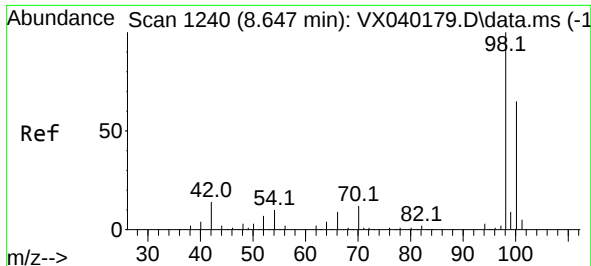
Tgt Ion: 78 Resp: 5022

Ion Ratio Lower Upper

78 100

77 24.2 19.3 28.9

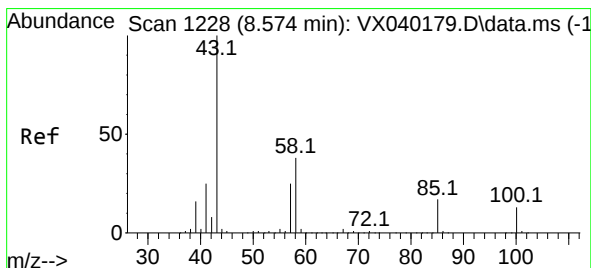
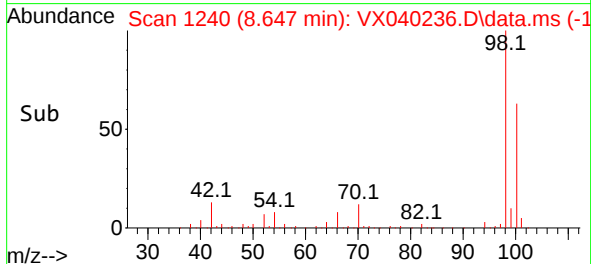
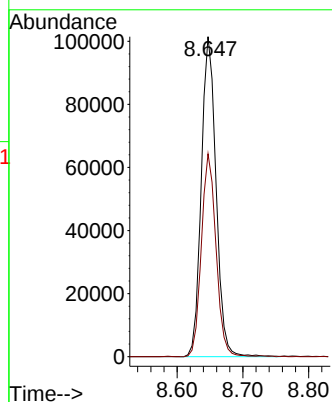
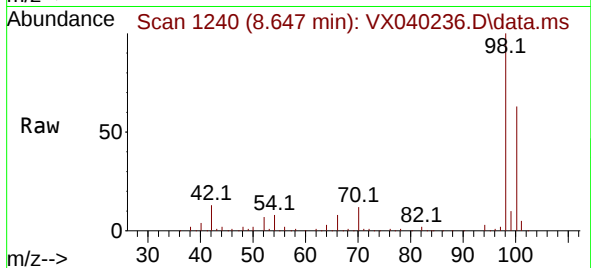




#50
Toluene-d8
Concen: 46.571 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

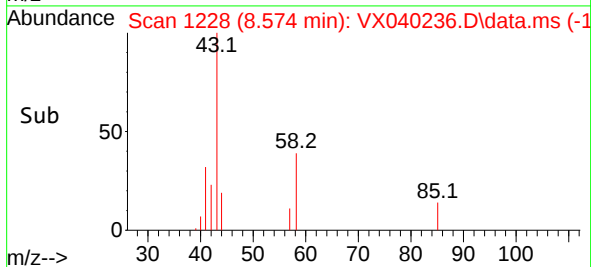
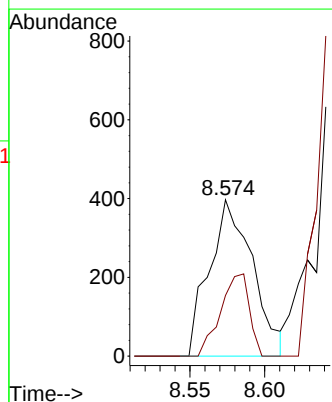
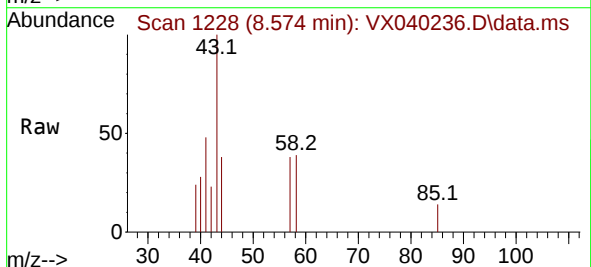
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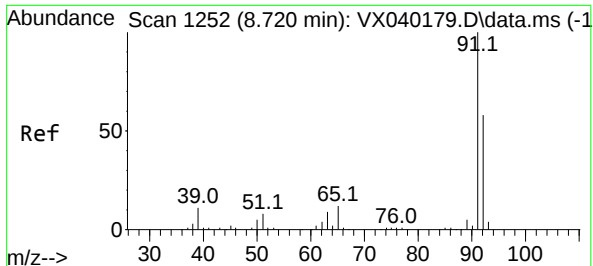
Tgt Ion: 98 Resp: 158560
Ion Ratio Lower Upper
98 100
100 62.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.528 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
58 34.8 30.4 45.6





#52

Toluene

Concen: 8.391 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040236.D

Acq: 14 Feb 2024 21:16

Instrument :

MSVOA_X

ClientSampleId :

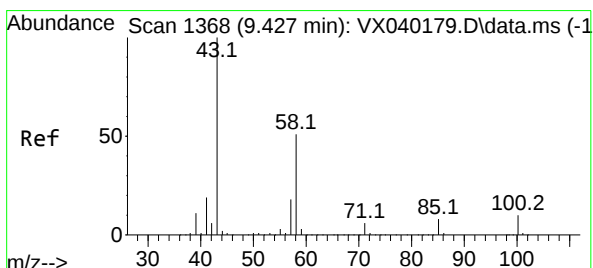
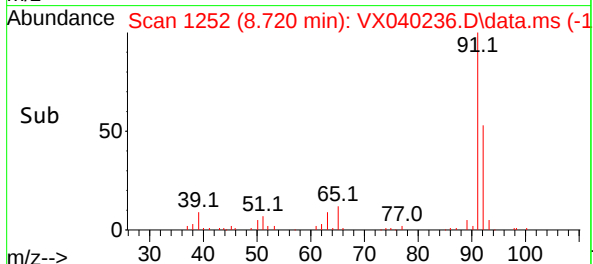
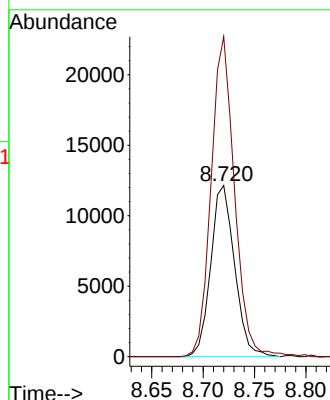
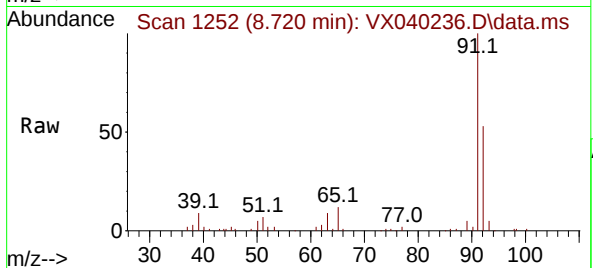
1285

Tgt Ion: 92 Resp: 19597

Ion Ratio Lower Upper

92 100

91 184.0 134.2 201.2



#59

2-Hexanone

Concen: 0.876 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX040236.D

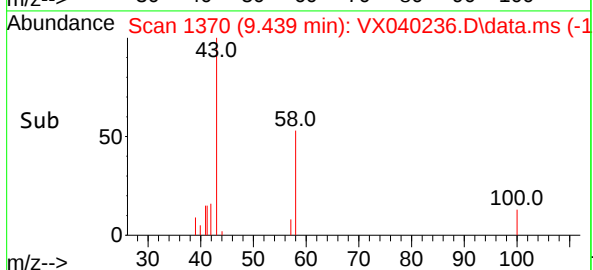
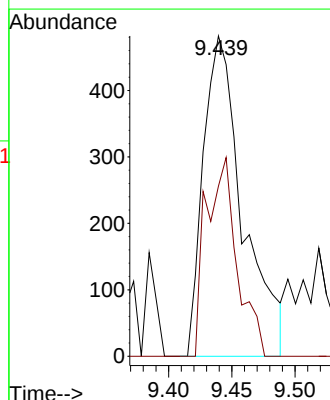
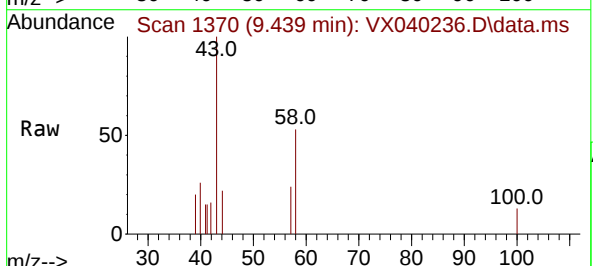
Acq: 14 Feb 2024 21:16

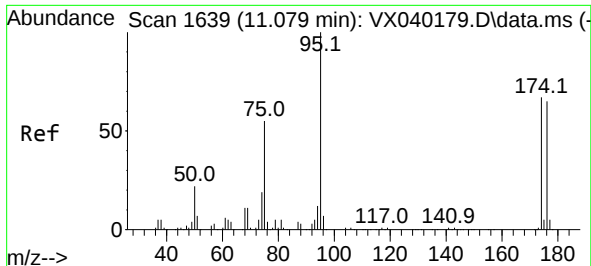
Tgt Ion: 43 Resp: 1050

Ion Ratio Lower Upper

43 100

58 48.4 26.2 78.5

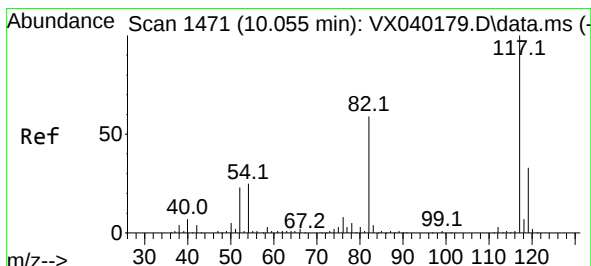
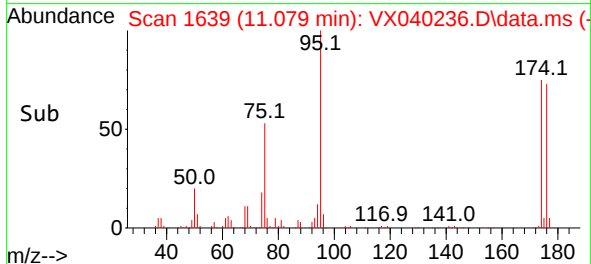
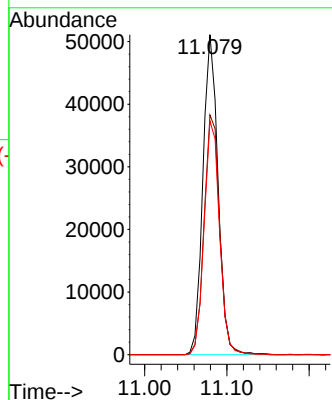
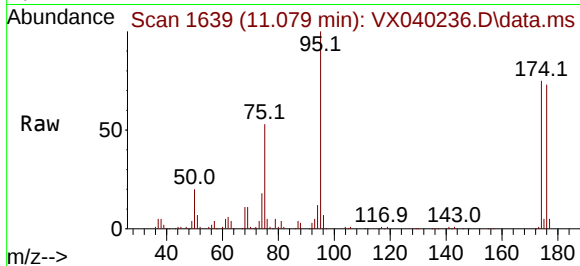




#62
4-Bromofluorobenzene
Concen: 46.997 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

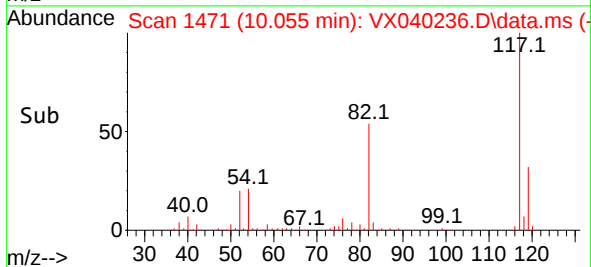
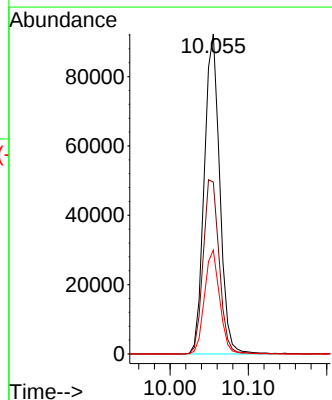
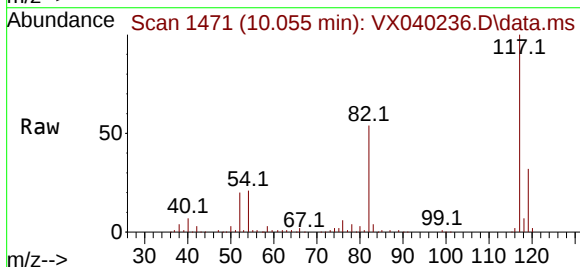
Instrument :
MSVOA_X
ClientSampleId :
1285

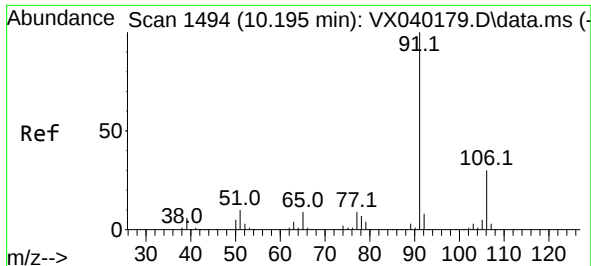
Tgt Ion: 95 Resp: 65259
Ion Ratio Lower Upper
95 100
174 77.5 0.0 135.6
176 74.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

Tgt Ion: 117 Resp: 126591
Ion Ratio Lower Upper
117 100
82 53.7 46.2 69.4
119 32.4 25.5 38.3

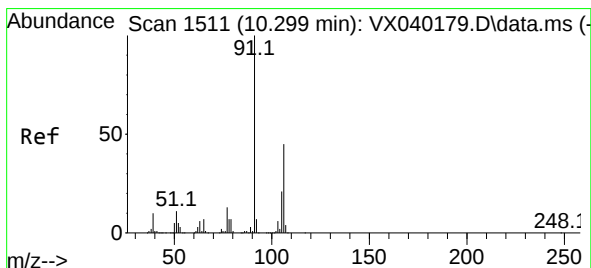
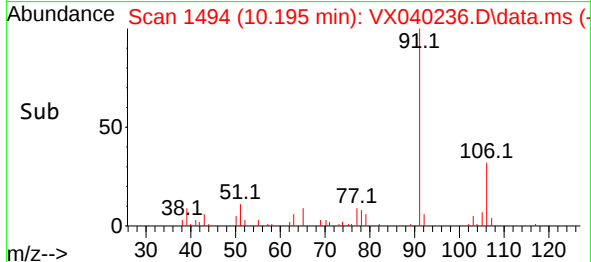
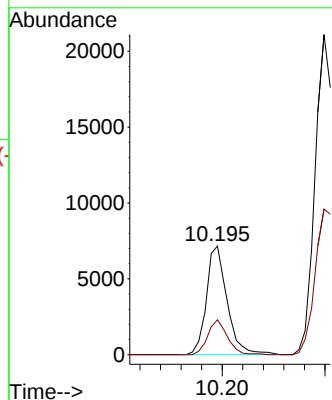
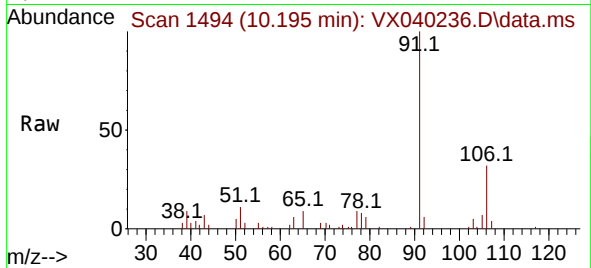




#67
Ethyl Benzene
Concen: 2.129 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

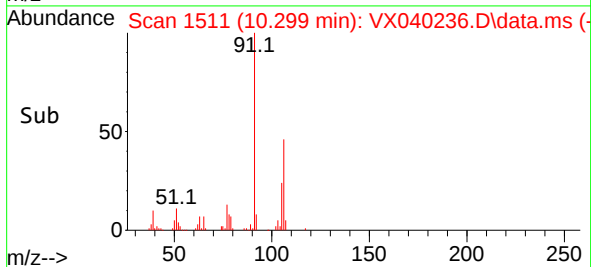
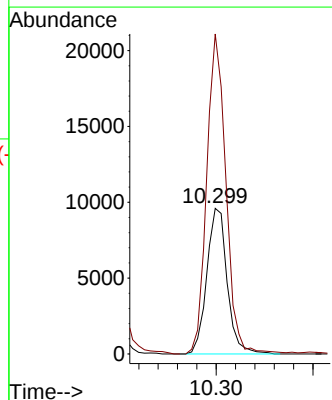
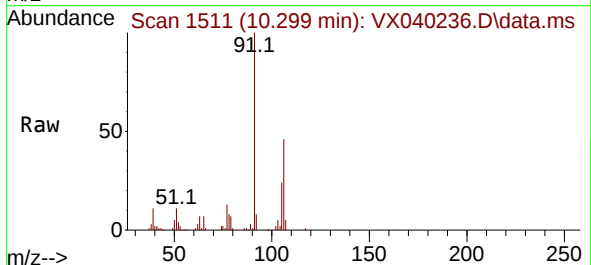
Instrument :
MSVOA_X
ClientSampleId :
1285

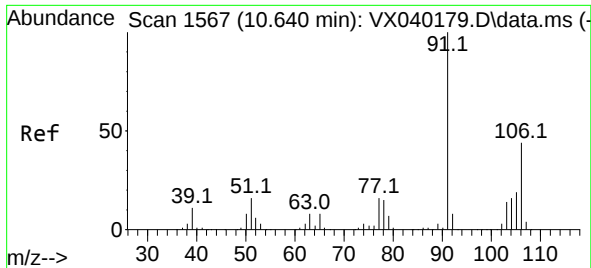
Tgt Ion: 91 Resp: 10017
Ion Ratio Lower Upper
91 100
106 32.0 24.9 37.3



#68
m/p-Xylenes
Concen: 7.915 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

Tgt Ion: 106 Resp: 14065
Ion Ratio Lower Upper
106 100
91 207.1 165.5 248.3

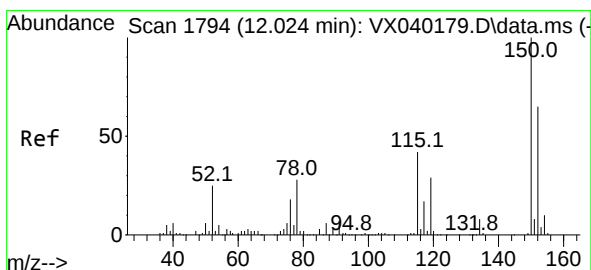
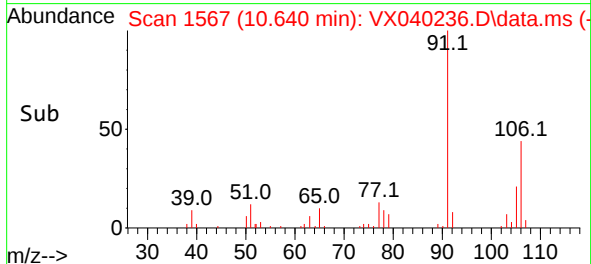
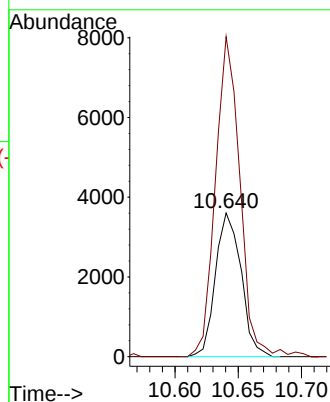
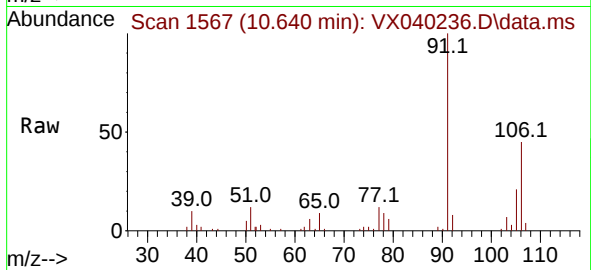




#69
o-Xylene
Concen: 2.936 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

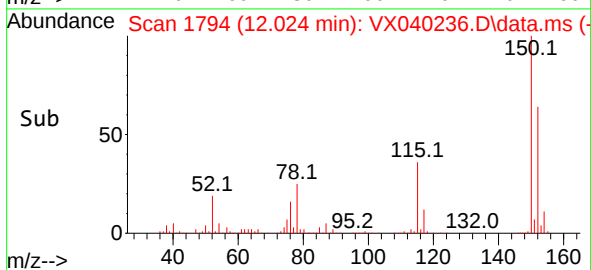
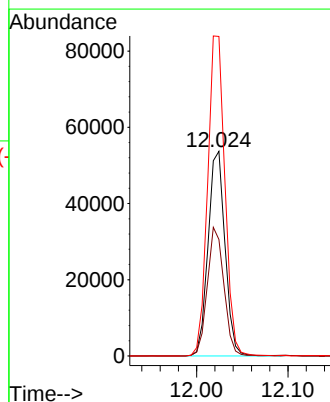
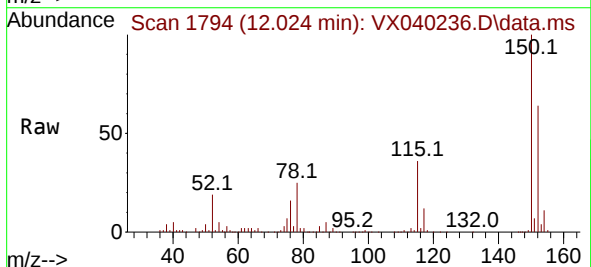
Instrument :
MSVOA_X
ClientSampleId :
1285

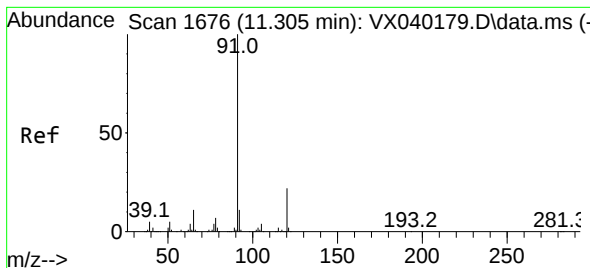
Tgt Ion:106 Resp: 5071
Ion Ratio Lower Upper
106 100
91 213.3 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

Tgt Ion:152 Resp: 69029
Ion Ratio Lower Upper
152 100
115 61.5 43.3 129.9
150 159.0 0.0 345.0





#78

n-propylbenzene

Concen: 0.518 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040236.D

Acq: 14 Feb 2024 21:16

Instrument :

MSVOA_X

ClientSampleId :

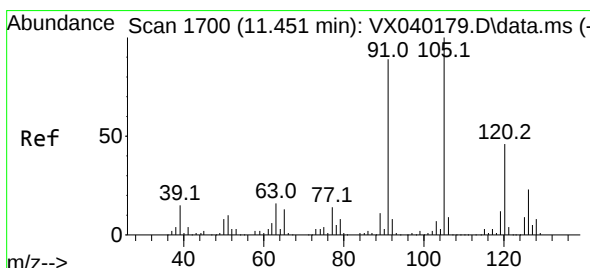
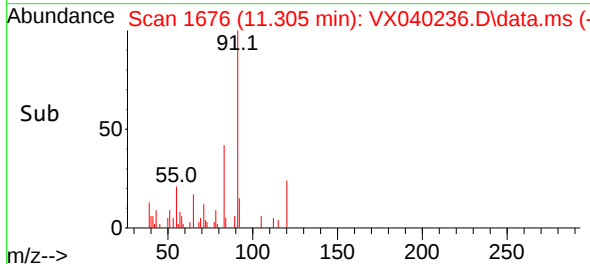
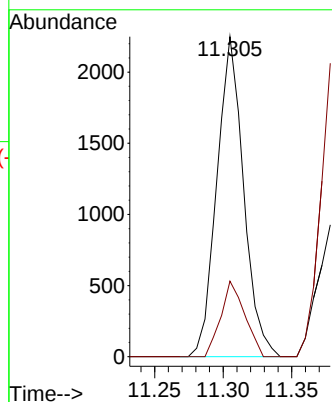
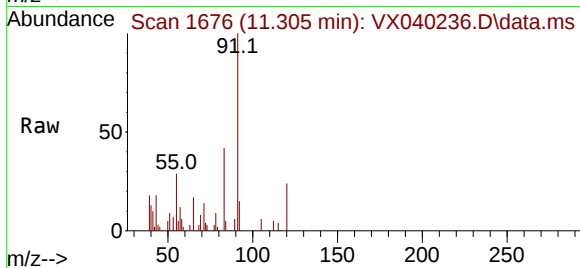
1285

Tgt Ion: 91 Resp: 3051

Ion Ratio Lower Upper

91 100

120 21.1 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 0.855 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX040236.D

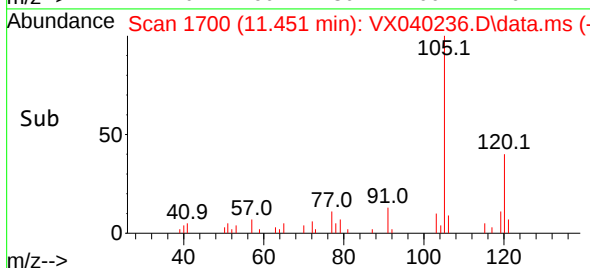
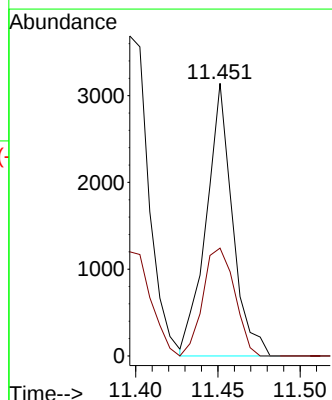
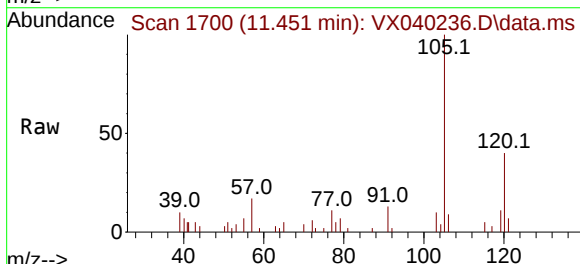
Acq: 14 Feb 2024 21:16

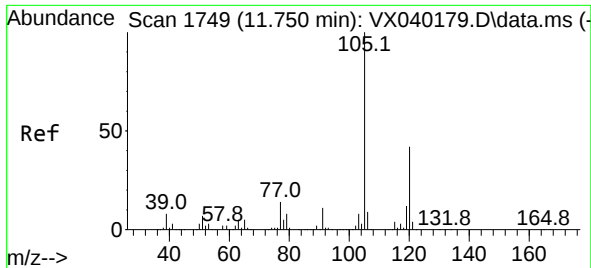
Tgt Ion: 105 Resp: 3500

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.3

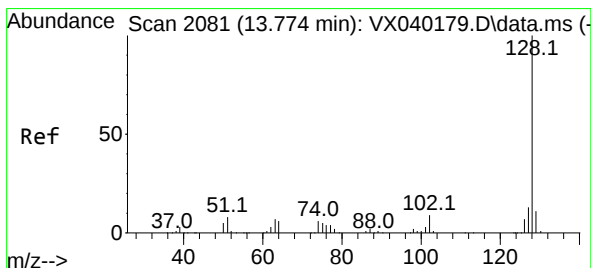
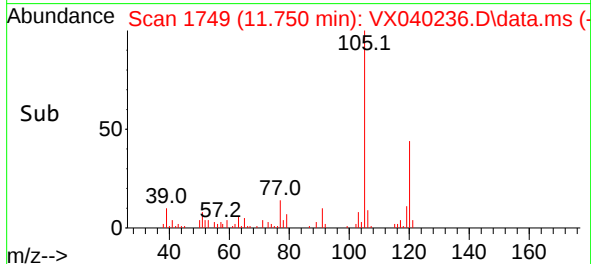
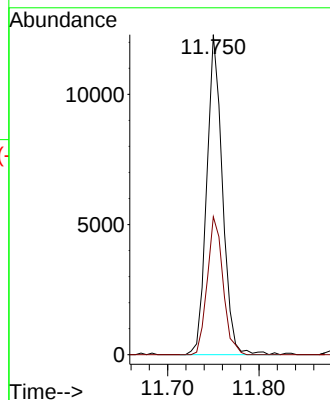
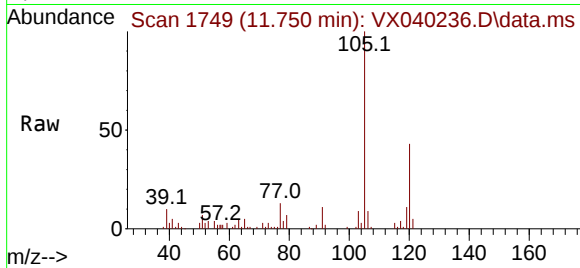




#84
1,2,4-Trimethylbenzene
Concen: 3.528 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

Instrument :
MSVOA_X
ClientSampleId :
1285

Tgt Ion:105 Resp: 14609
Ion Ratio Lower Upper
105 100
120 43.3 21.2 63.6



#95
Naphthalene
Concen: 1.373 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX040236.D
Acq: 14 Feb 2024 21:16

Tgt Ion:128 Resp: 6539
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 11.5 8.8 13.2

