

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092624\
 Data File : VX043179.D
 Acq On : 26 Sep 2024 15:34
 Operator : JC/MD
 Sample : P4202-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50415

Quant Time: Sep 27 01:42:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

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

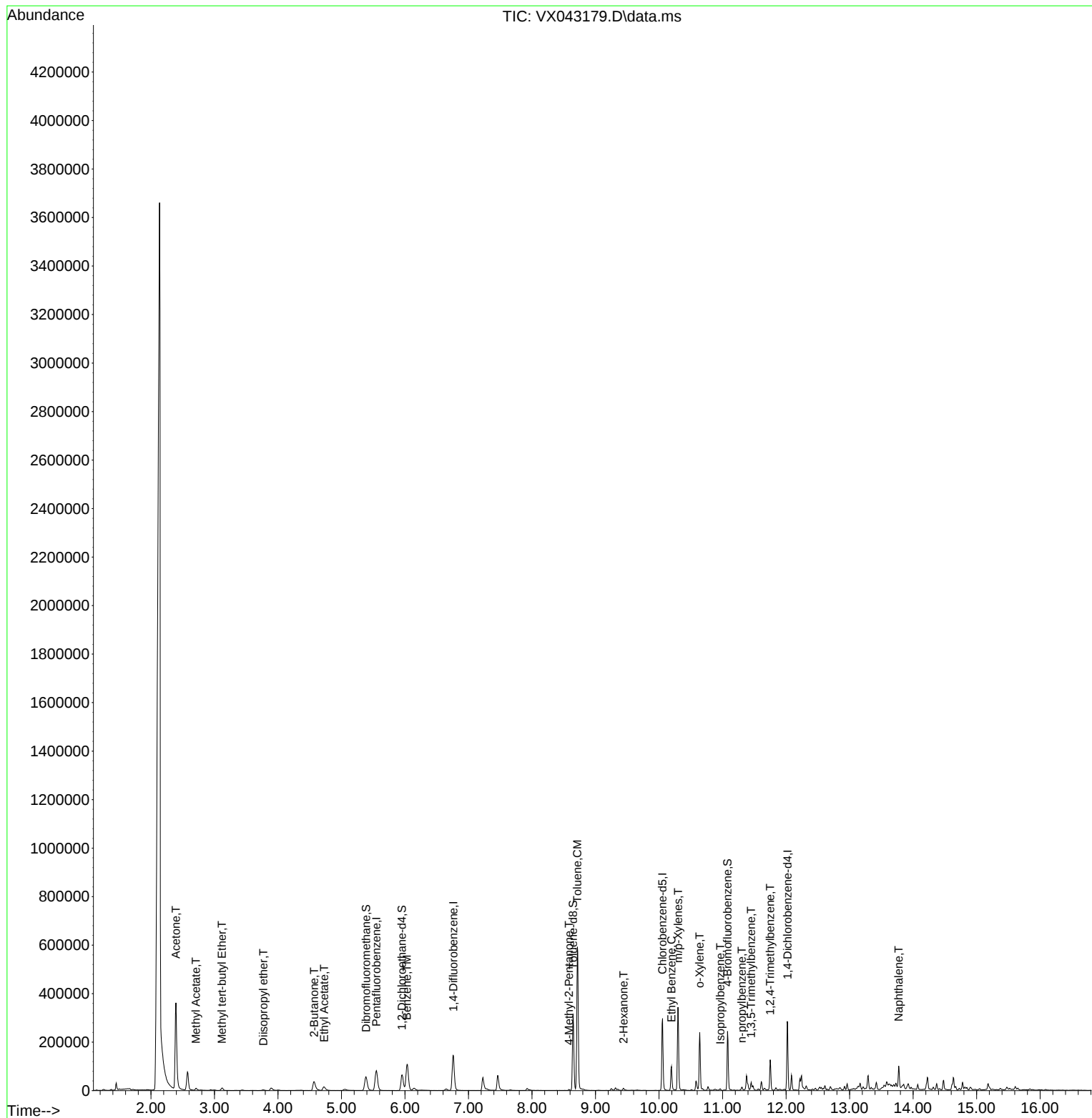
Internal Standards						
1) Pentafluorobenzene	5.550	168	75346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	148128	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65841	52.608	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.220%	
35) Dibromofluoromethane	5.385	113	50102	47.947	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.900%	
50) Toluene-d8	8.647	98	179892	50.885	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.760%	
62) 4-Bromofluorobenzene	11.079	95	63825	44.830	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 89.660%	
Target Compounds						
					Qvalue	
16) Acetone	2.392	43	421764	720.601	ug/l	99
18) Methyl Acetate	2.709	43	9824	6.236	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	11243	3.695	ug/l	97
22) Diisopropyl ether	3.770	45	3092	1.114	ug/l #	76
25) 2-Butanone	4.568	43	68648	90.987	ug/l	98
37) Ethyl Acetate	4.727	43	28394	17.605	ug/l	99
40) Benzene	6.031	78	130672	34.490	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	2310	1.396	ug/l	96
52) Toluene	8.714	92	224133	91.859	ug/l	99
59) 2-Hexanone	9.439	43	5579	4.311	ug/l	96
67) Ethyl Benzene	10.195	91	57242	11.962	ug/l	99
68) m/p-Xylenes	10.299	106	76652	43.042	ug/l	98
69) o-Xylene	10.640	106	47577	26.636	ug/l	99
73) Isopropylbenzene	10.963	105	2617	0.624	ug/l	94
78) n-propylbenzene	11.305	91	7319	1.539	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	13151	3.792	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	53923	15.626	ug/l	99
95) Naphthalene	13.774	128	55480	14.246	ug/l	99

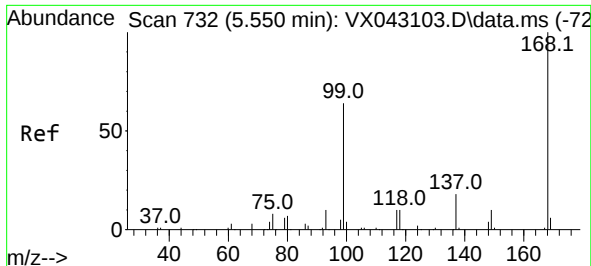
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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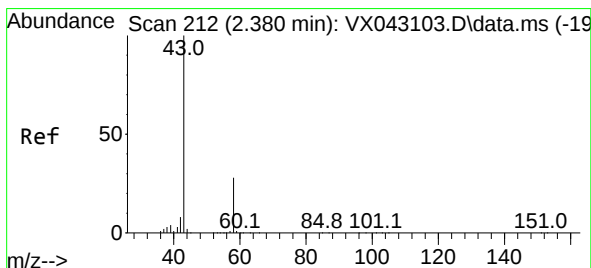
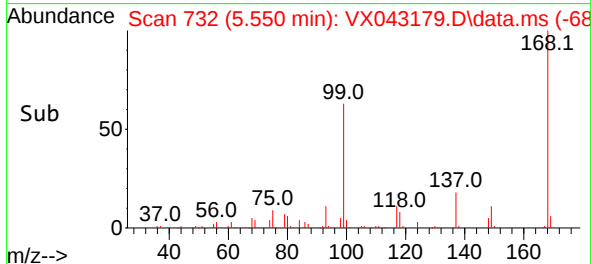
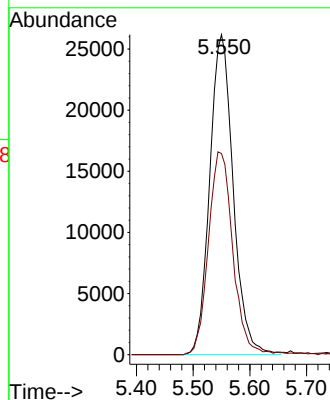
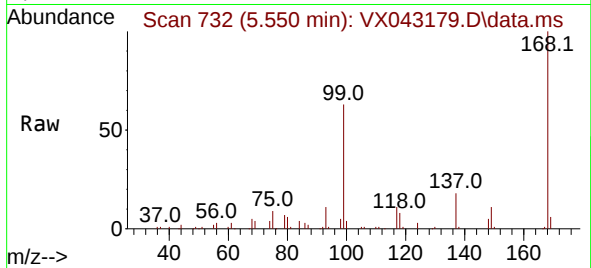




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

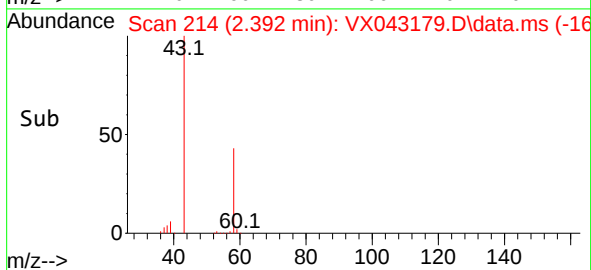
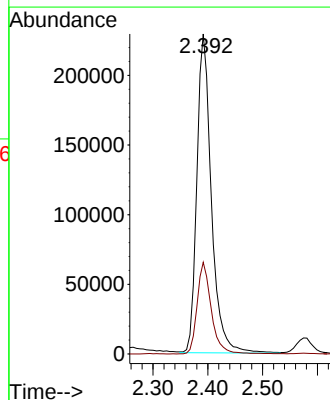
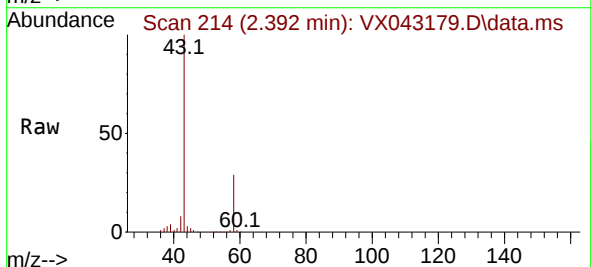
Instrument :
MSVOA_X
ClientSampleId :
50415

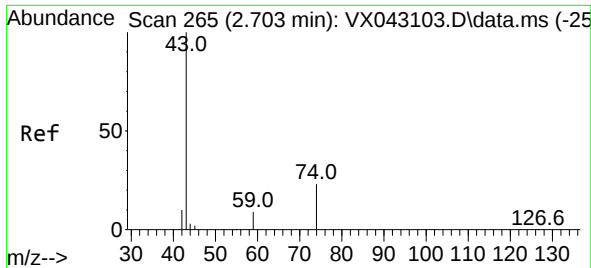
Tgt Ion:168 Resp: 75346
Ion Ratio Lower Upper
168 100
99 62.9 50.8 76.2



#16
Acetone
Concen: 720.601 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

Tgt Ion: 43 Resp: 421764
Ion Ratio Lower Upper
43 100
58 28.7 22.6 34.0

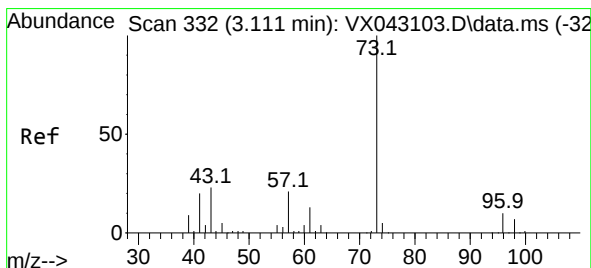
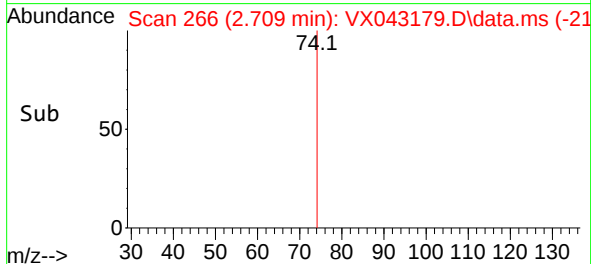
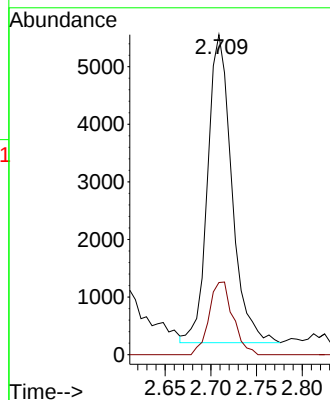
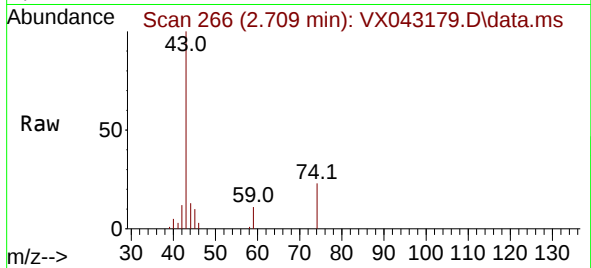




#18
Methyl Acetate
Concen: 6.236 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

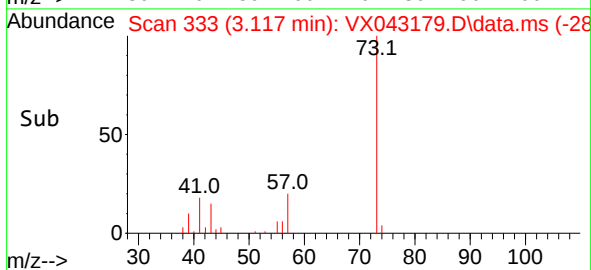
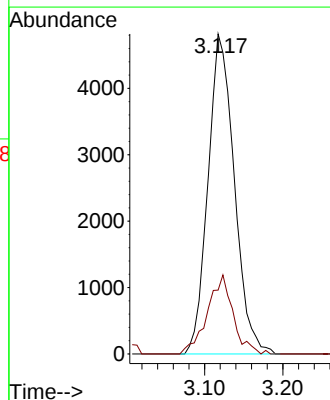
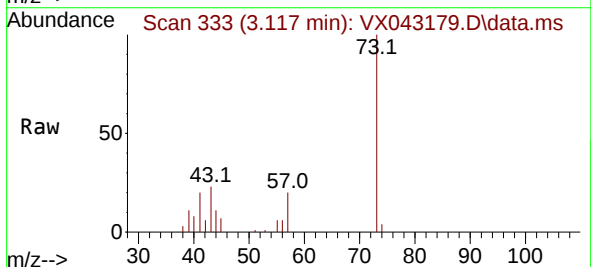
Instrument :
MSVOA_X
ClientSampleId :
50415

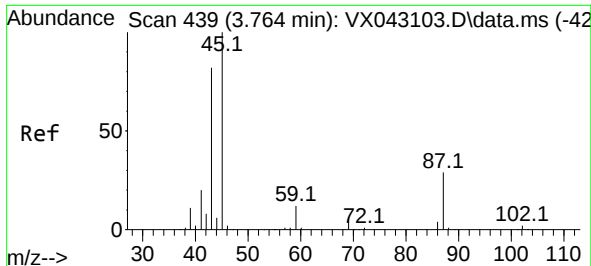
Tgt Ion: 43 Resp: 9824
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8



#19
Methyl tert-butyl Ether
Concen: 3.695 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

Tgt Ion: 73 Resp: 11243
Ion Ratio Lower Upper
73 100
57 20.0 17.0 25.4

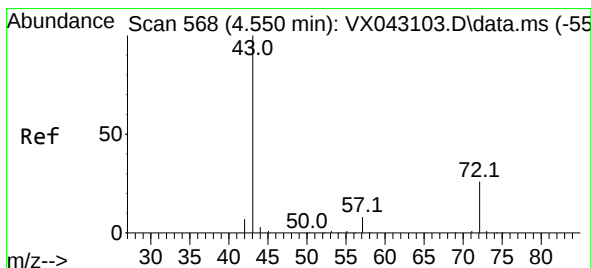
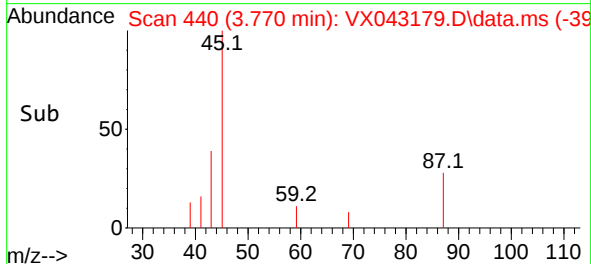
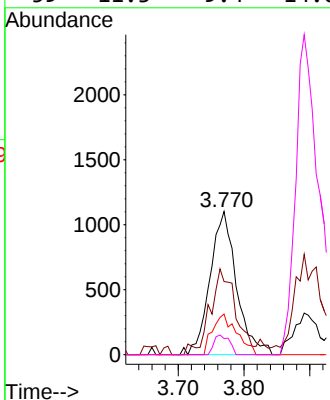
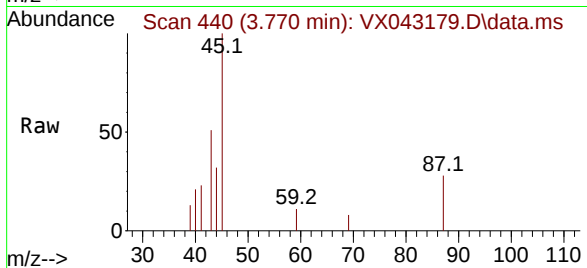




#22
Diisopropyl ether
Concen: 1.114 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

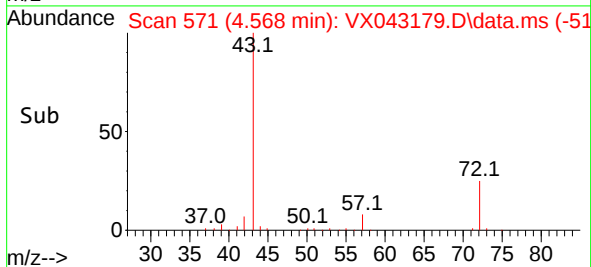
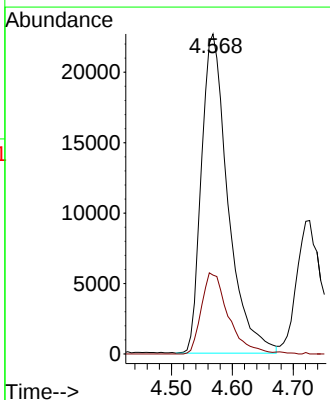
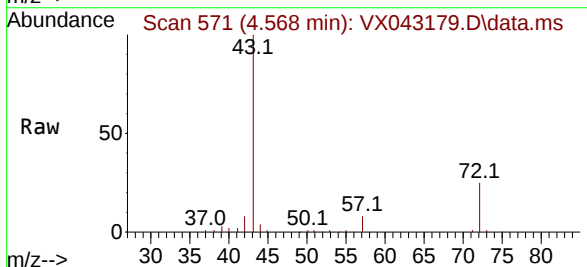
Instrument :
MSVOA_X
ClientSampleId :
50415

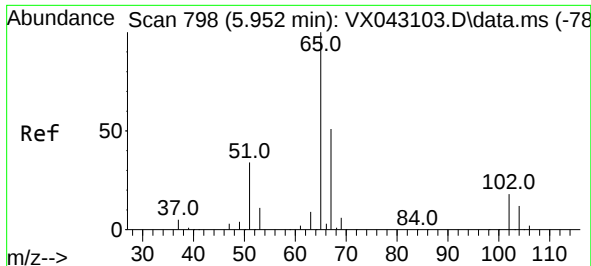
Tgt Ion:	45	Resp:	3092
Ion	Ratio	Lower	Upper
45	100		
43	51.1	65.8	98.6#
87	28.4	23.1	34.7
59	11.3	9.4	14.0



#25
2-Butanone
Concen: 90.987 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

Tgt Ion:	43	Resp:	68648
Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.7	31.1





#33

1,2-Dichloroethane-d4

Concen: 52.608 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043179.D

Acq: 26 Sep 2024 15:34

Instrument :

MSVOA_X

ClientSampleId :

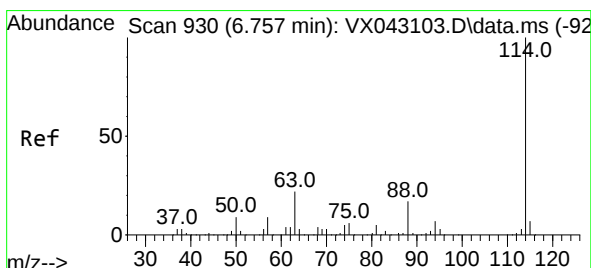
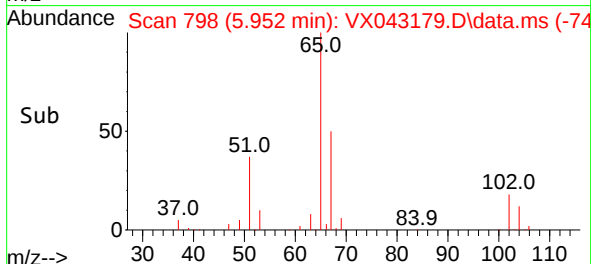
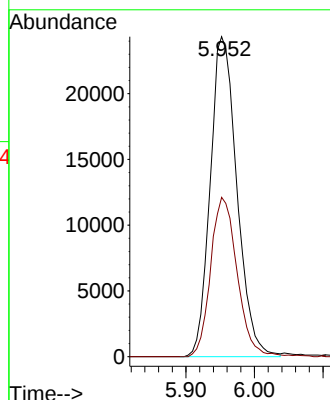
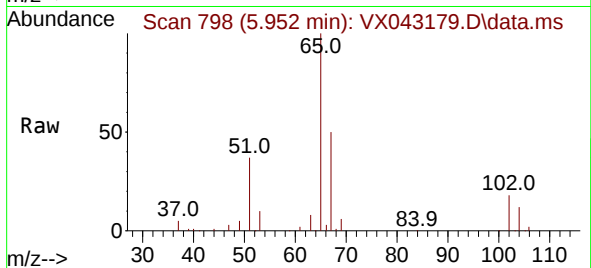
50415

Tgt Ion: 65 Resp: 65841

Ion Ratio Lower Upper

65 100

67 49.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX043179.D

Acq: 26 Sep 2024 15:34

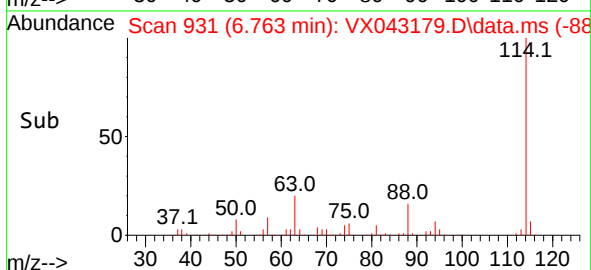
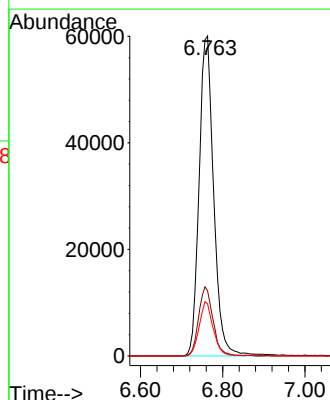
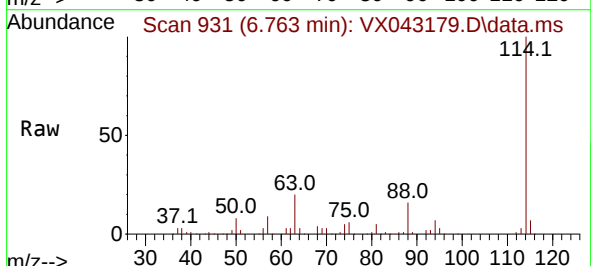
Tgt Ion: 114 Resp: 148128

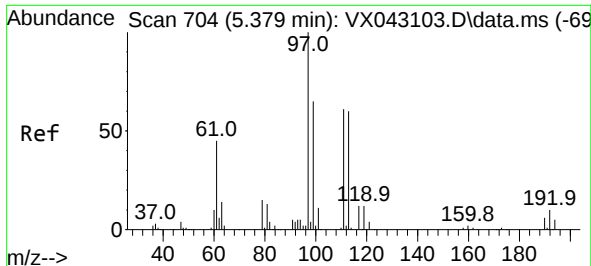
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 16.3 0.0 33.4

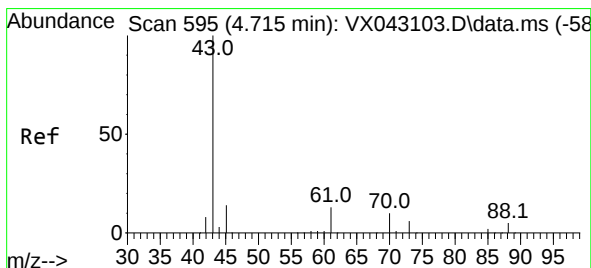
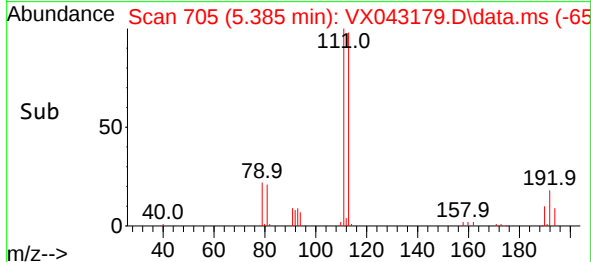
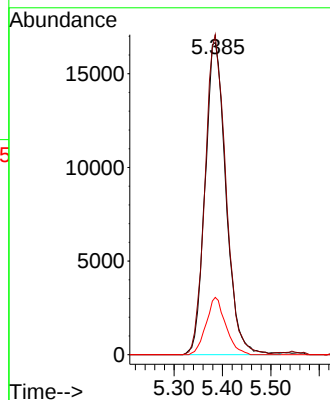
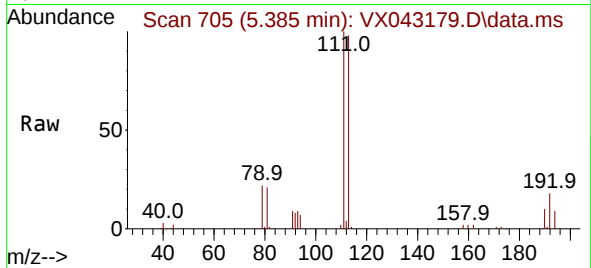




#35
Dibromofluoromethane
Concen: 47.947 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

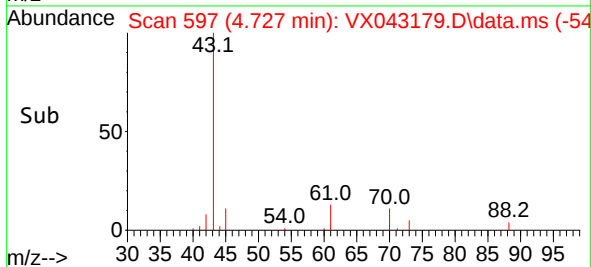
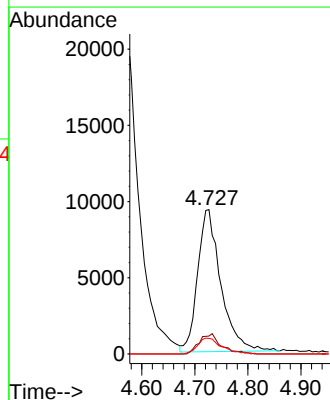
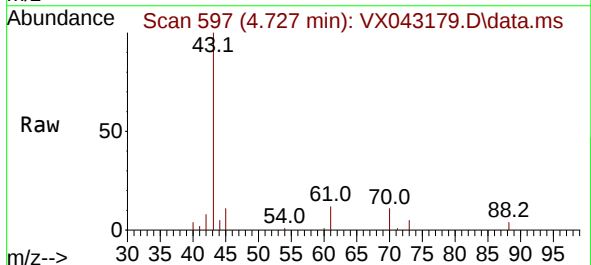
Instrument :
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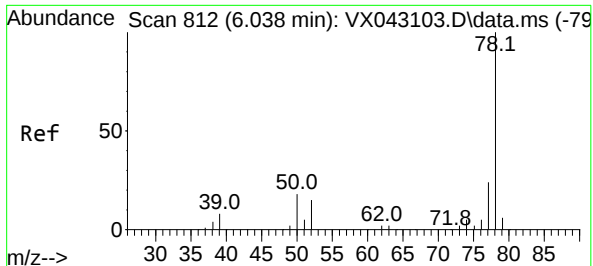
Tgt Ion:113 Resp: 50102
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 17.2 14.6 22.0



#37
Ethyl Acetate
Concen: 17.605 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

Tgt Ion: 43 Resp: 28394
Ion Ratio Lower Upper
43 100
61 13.3 10.9 16.3
70 11.5 8.6 13.0

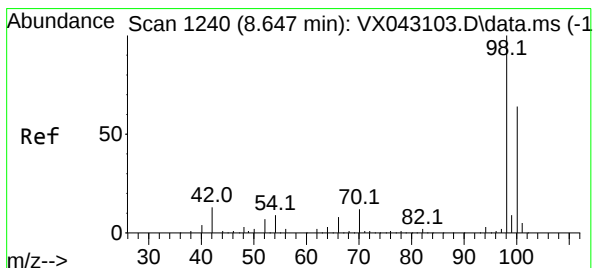
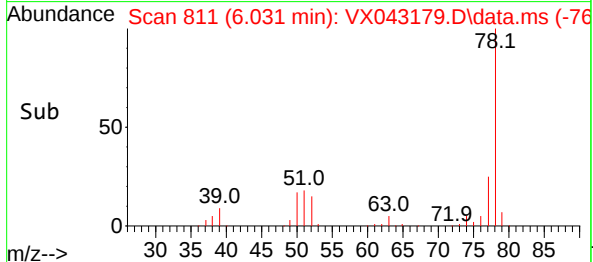
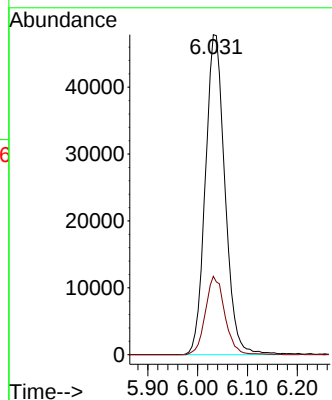
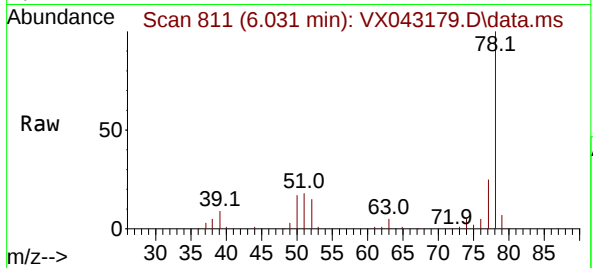




#40
Benzene
Concen: 34.490 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

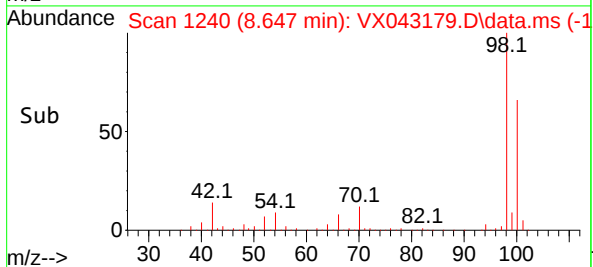
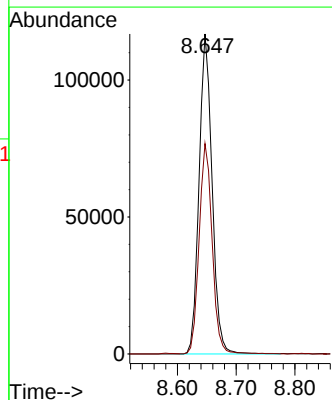
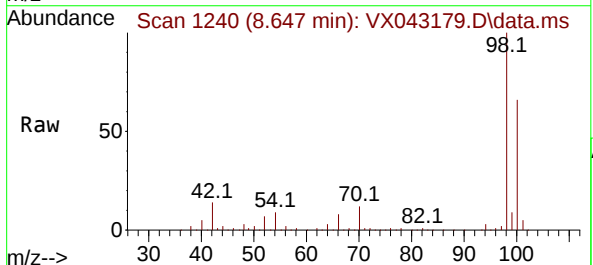
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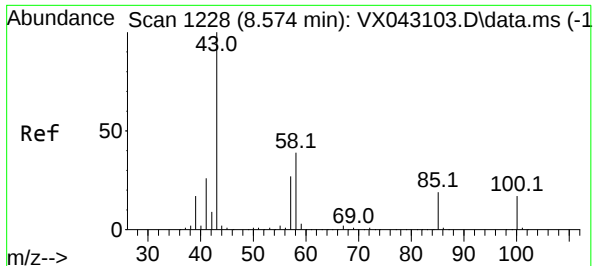
Tgt Ion: 78 Resp: 130672
Ion Ratio Lower Upper
78 100
77 24.5 19.3 28.9



#50
Toluene-d8
Concen: 50.885 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

Tgt Ion: 98 Resp: 179892
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.4

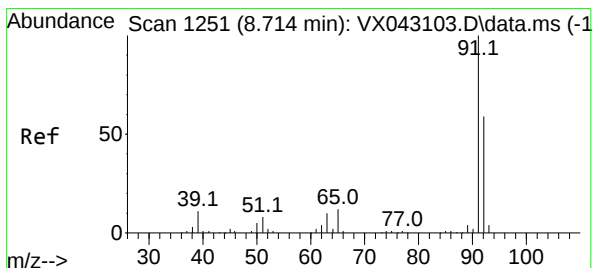
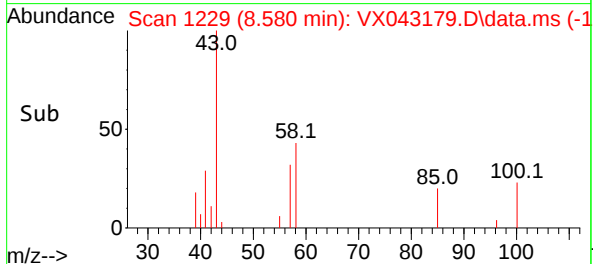
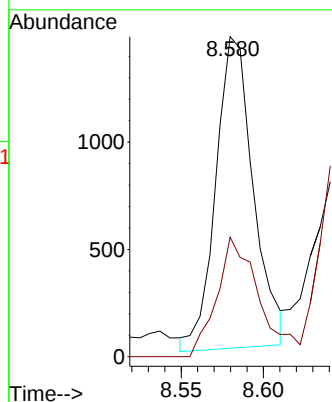
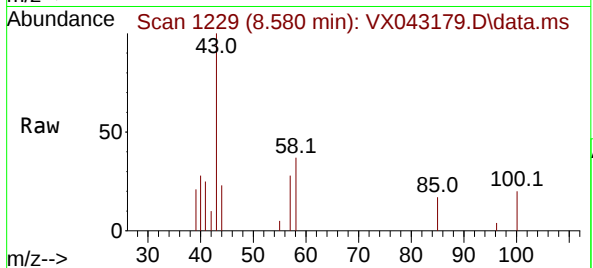




#51
4-Methyl-2-Pentanone
Concen: 1.396 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

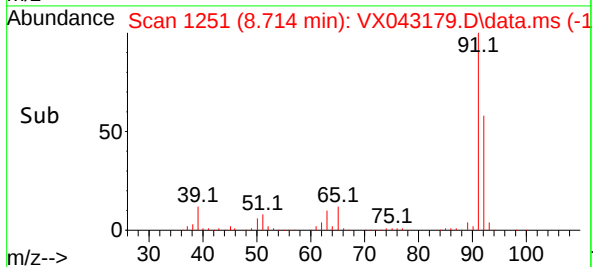
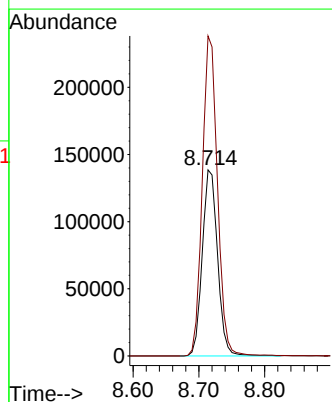
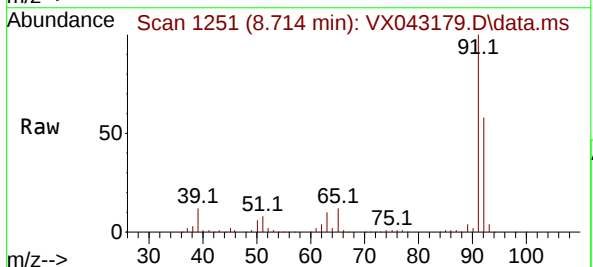
Instrument :
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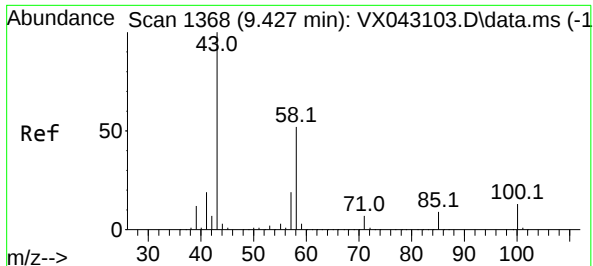
Tgt Ion: 43 Resp: 2310
Ion Ratio Lower Upper
43 100
58 40.4 30.3 45.5



#52
Toluene
Concen: 91.859 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

Tgt Ion: 92 Resp: 224133
Ion Ratio Lower Upper
92 100
91 170.8 135.9 203.9





#59

2-Hexanone

Concen: 4.311 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX043179.D

Acq: 26 Sep 2024 15:34

Instrument :

MSVOA_X

ClientSampleId :

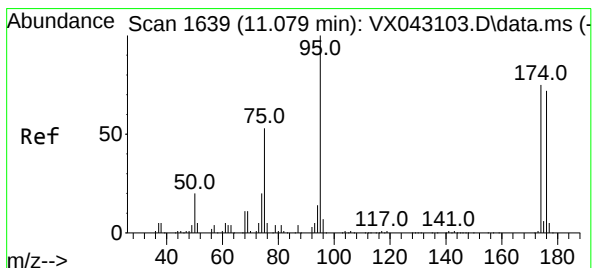
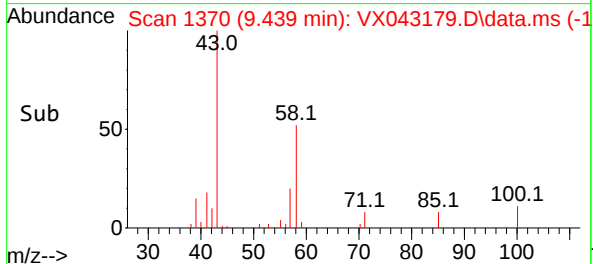
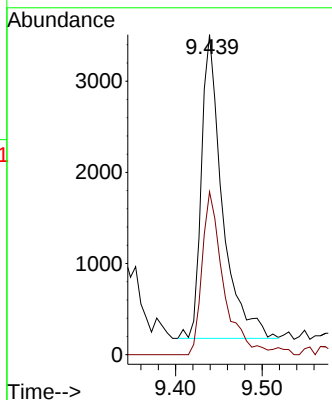
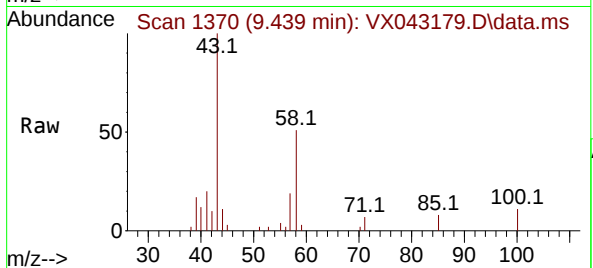
50415

Tgt Ion: 43 Resp: 5579

Ion Ratio Lower Upper

43 100

58 54.9 26.1 78.2



#62

4-Bromofluorobenzene

Concen: 44.830 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043179.D

Acq: 26 Sep 2024 15:34

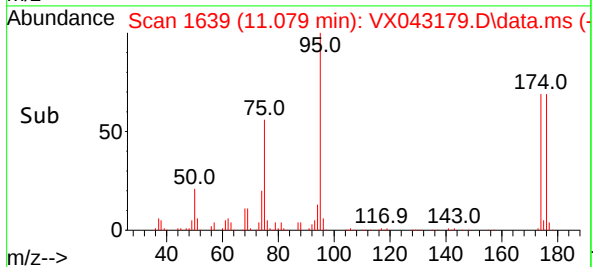
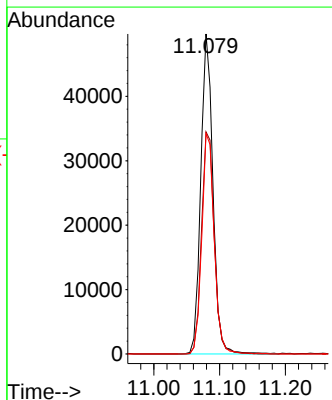
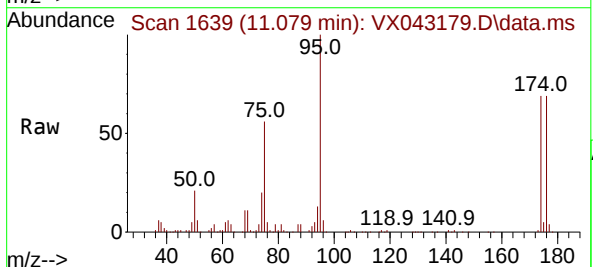
Tgt Ion: 95 Resp: 63825

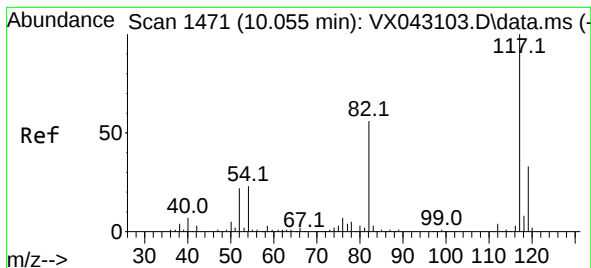
Ion Ratio Lower Upper

95 100

174 72.3 0.0 146.0

176 70.1 0.0 142.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043179.D

Acq: 26 Sep 2024 15:34

Instrument :

MSVOA_X

ClientSampleId :

50415

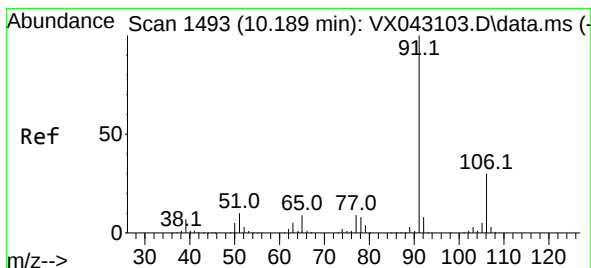
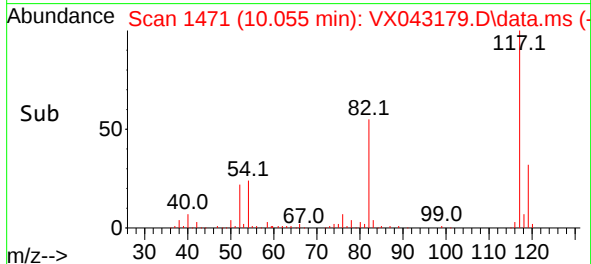
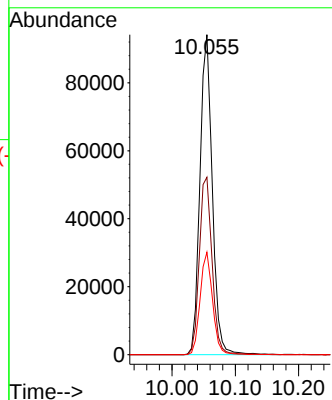
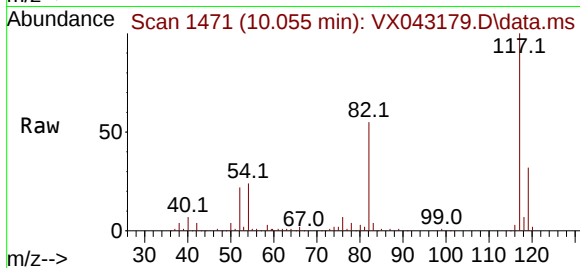
Tgt Ion:117 Resp: 128239

Ion Ratio Lower Upper

117 100

82 55.4 44.7 67.1

119 32.0 26.3 39.5



#67

Ethyl Benzene

Concen: 11.962 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX043179.D

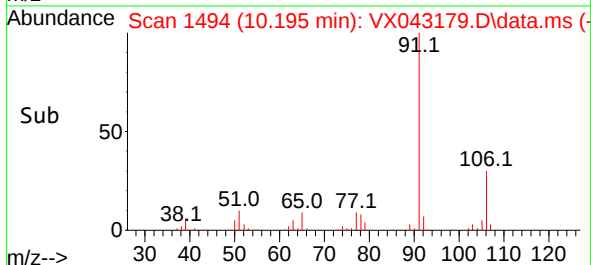
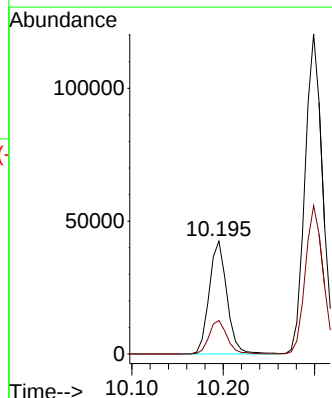
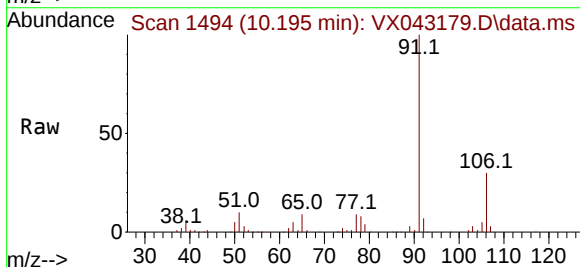
Acq: 26 Sep 2024 15:34

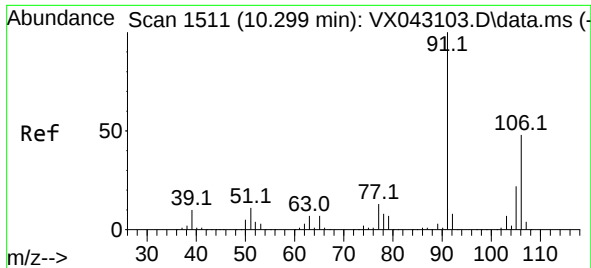
Tgt Ion: 91 Resp: 57242

Ion Ratio Lower Upper

91 100

106 29.7 24.2 36.4

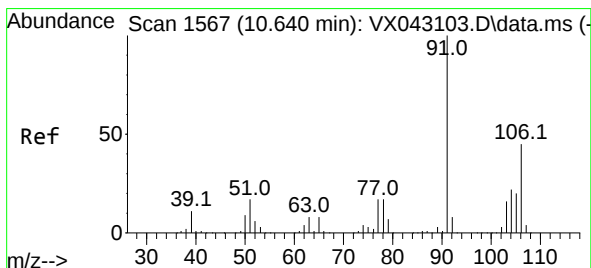
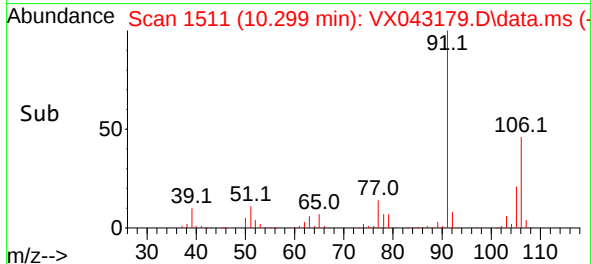
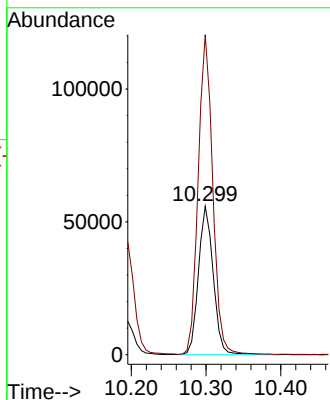
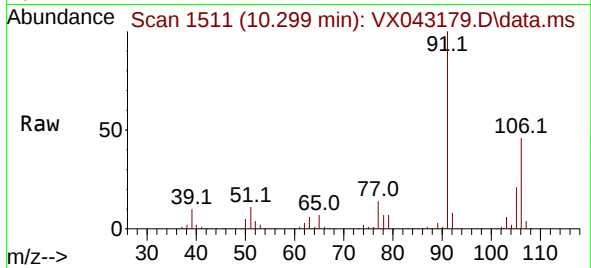




#68
m/p-Xylenes
Concen: 43.042 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

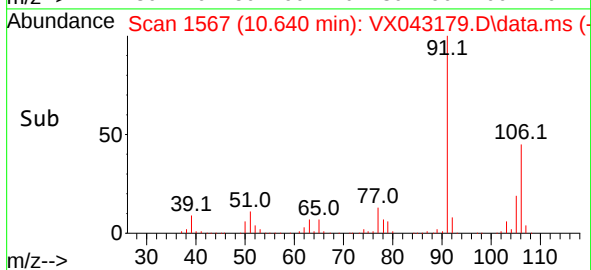
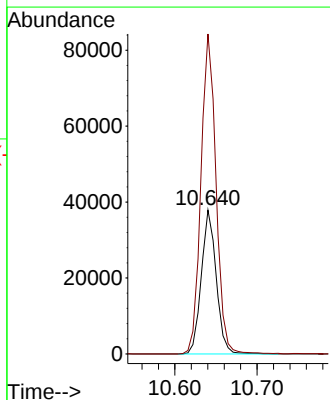
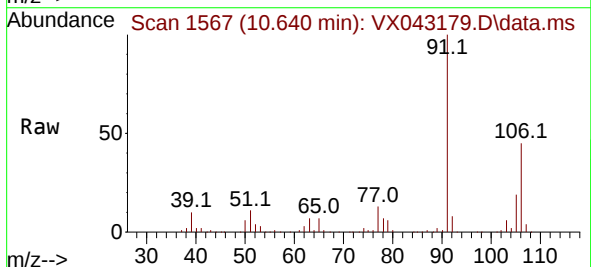
Instrument :
MSVOA_X
ClientSampleId :
50415

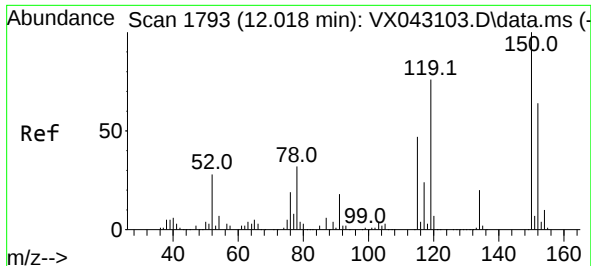
Tgt Ion:106 Resp: 76652
Ion Ratio Lower Upper
106 100
91 211.9 167.5 251.3



#69
o-Xylene
Concen: 26.636 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

Tgt Ion:106 Resp: 47577
Ion Ratio Lower Upper
106 100
91 225.8 112.5 337.4

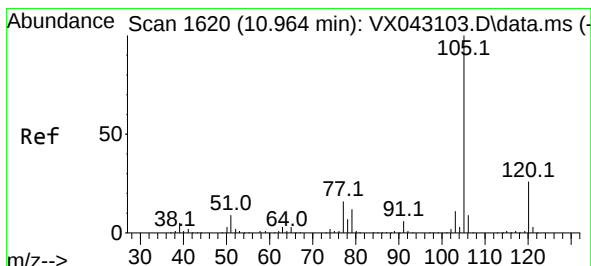
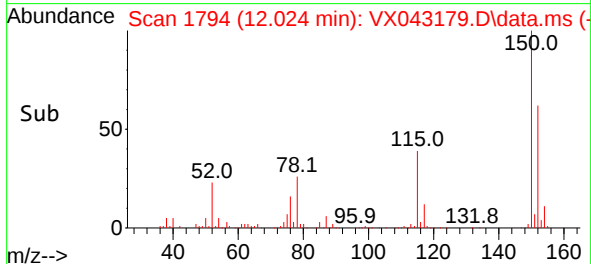
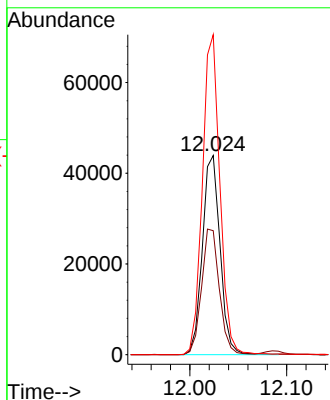
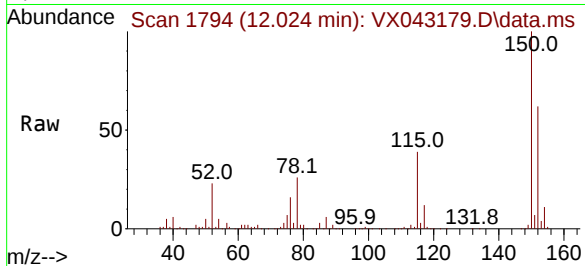




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

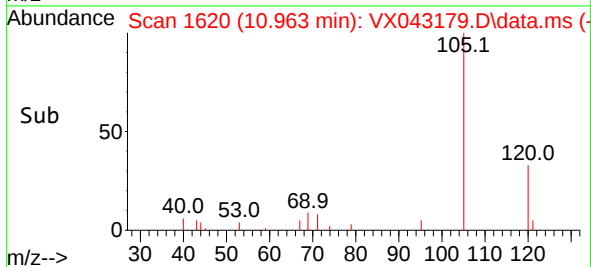
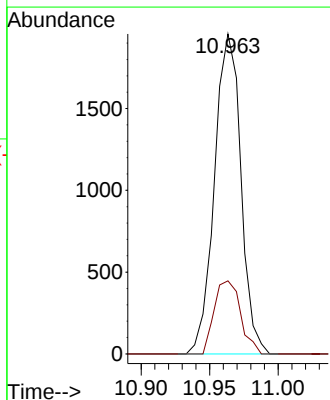
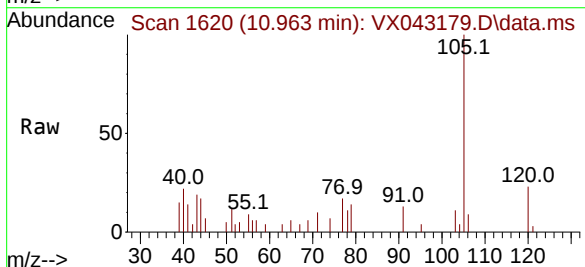
Instrument :
MSVOA_X
ClientSampleId :
50415

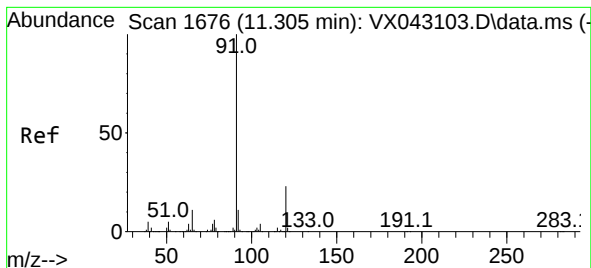
Tgt Ion:152 Resp: 55899
Ion Ratio Lower Upper
152 100
115 63.6 43.7 131.1
150 159.6 0.0 344.6



#73
Isopropylbenzene
Concen: 0.624 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX043179.D
Acq: 26 Sep 2024 15:34

Tgt Ion:105 Resp: 2617
Ion Ratio Lower Upper
105 100
120 22.8 13.0 39.0





#78

n-propylbenzene

Concen: 1.539 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043179.D

Acq: 26 Sep 2024 15:34

Instrument :

MSVOA_X

ClientSampleId :

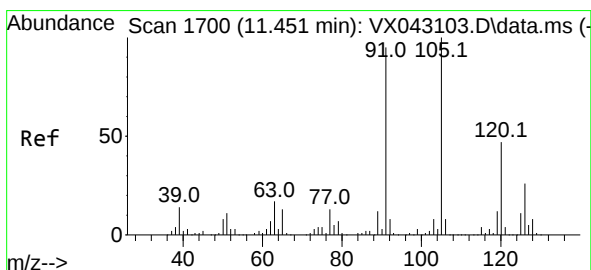
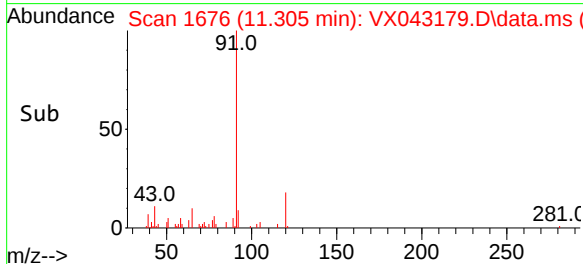
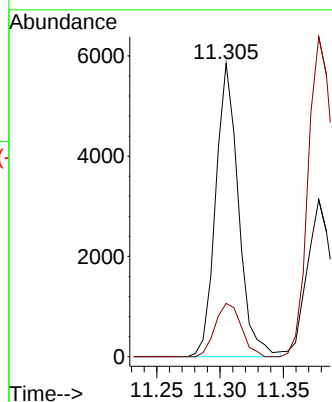
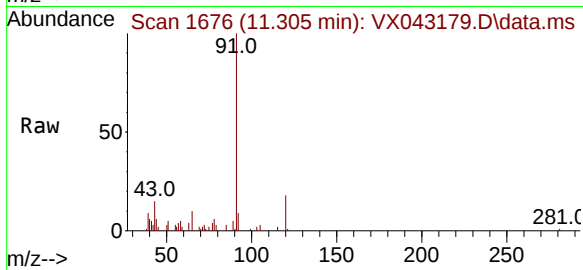
50415

Tgt Ion: 91 Resp: 7319

Ion Ratio Lower Upper

91 100

120 20.8 11.5 34.5



#80

1,3,5-Trimethylbenzene

Concen: 3.792 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043179.D

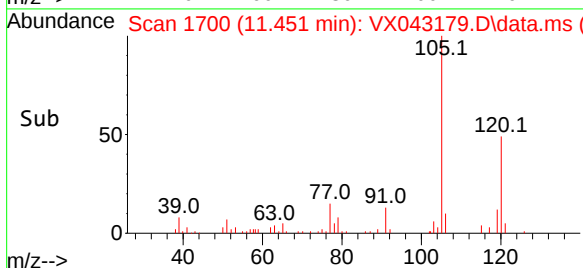
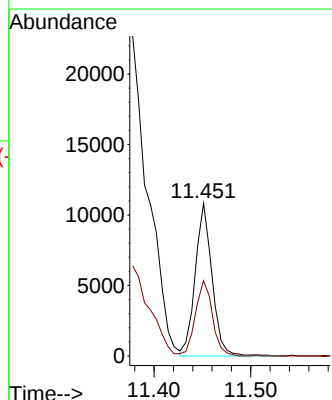
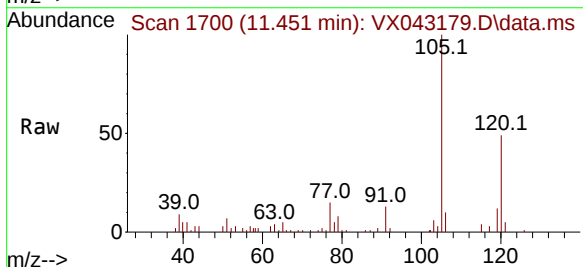
Acq: 26 Sep 2024 15:34

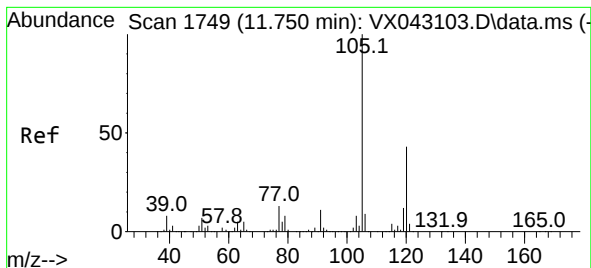
Tgt Ion: 105 Resp: 13151

Ion Ratio Lower Upper

105 100

120 49.6 23.5 70.5





#84

1,2,4-Trimethylbenzene

Concen: 15.626 ug/l

RT: 11.750 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043179.D

Acq: 26 Sep 2024 15:34

Instrument :

MSVOA_X

ClientSampleId :

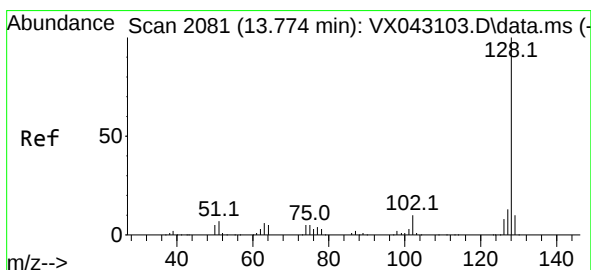
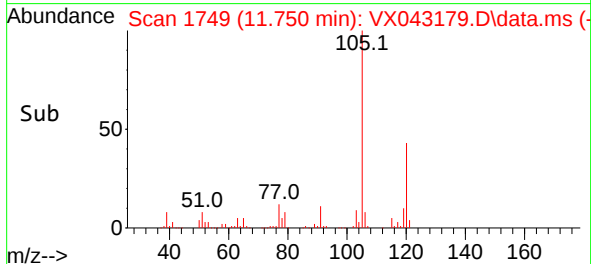
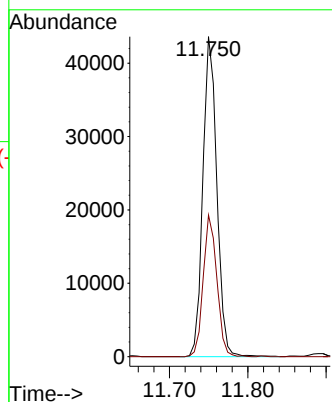
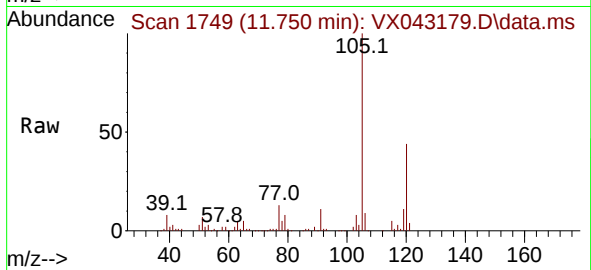
50415

Tgt Ion:105 Resp: 53923

Ion Ratio Lower Upper

105 100

120 43.2 21.8 65.4



#95

Naphthalene

Concen: 14.246 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043179.D

Acq: 26 Sep 2024 15:34

Tgt Ion:128 Resp: 55480

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 11.6 8.6 13.0

