

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050823\
 Data File : VX035570.D
 Acq On : 08 May 2023 19:08
 Operator : JC/MD
 Sample : 02658-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 509

Quant Time: May 09 03:50:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

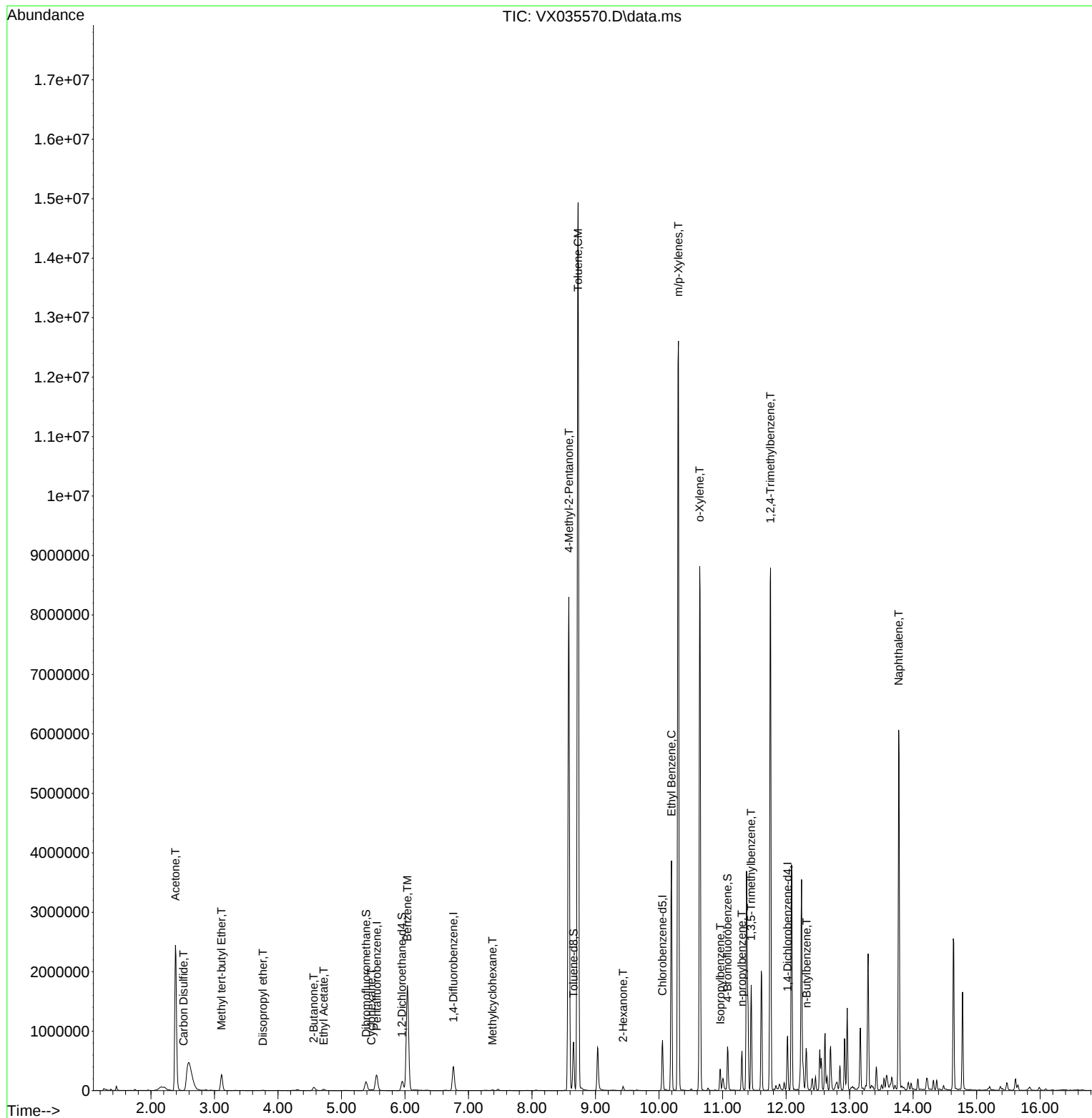
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	258334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	422472	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	387145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	191499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	153825	49.356	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.720%
35) Dibromofluoromethane	5.385	113	129889	50.092	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.180%
50) Toluene-d8	8.653	98	484781	49.560	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.120%
62) 4-Bromofluorobenzene	11.079	95	195065	53.011	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.020%
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	2961617	2187.937	ug/l	98
17) Carbon Disulfide	2.514	76	1880	0.313	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	296301	34.422	ug/l	97
22) Diisopropyl ether	3.763	45	7976	0.913	ug/l #	77
25) 2-Butanone	4.562	43	101699	51.474	ug/l	94
31) Cyclohexane	5.470	56	12285	2.779	ug/l	98
37) Ethyl Acetate	4.721	43	39944	10.802	ug/l	96
39) Methylcyclohexane	7.379	83	5685	1.154	ug/l	93
40) Benzene	6.037	78	2159733	185.948	ug/l	100
51) 4-Methyl-2-Pentanone	8.580	43	4868485	1275.309	ug/l	94
52) Toluene	8.726	92	6028850	818.887	ug/l	88
59) 2-Hexanone	9.433	43	36465	12.715	ug/l	96
67) Ethyl Benzene	10.195	91	2135874	147.247	ug/l	99
68) m/p-Xylenes	10.305	106	3025187	544.278	ug/l	93
69) o-Xylene	10.640	106	1980329	363.341	ug/l	95
73) Isopropylbenzene	10.963	105	188285	13.450	ug/l	99
78) n-propylbenzene	11.305	91	391462	24.349	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	747027	63.290	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	3895857	328.496	ug/l	97
89) n-Butylbenzene	12.323	91	85138	8.163	ug/l #	12
95) Naphthalene	13.774	128	3643638	284.695	ug/l	98

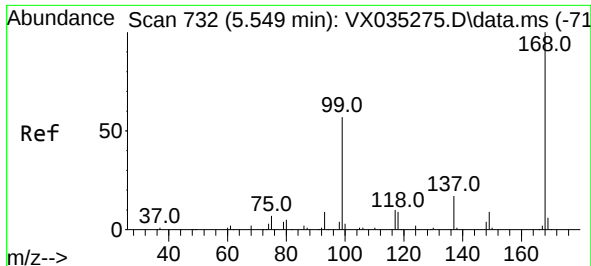
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 25 16:31:40 2023
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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: VX035570.D

Acq: 08 May 2023 19:08

Instrument :

MSVOA_X

ClientSampleId :

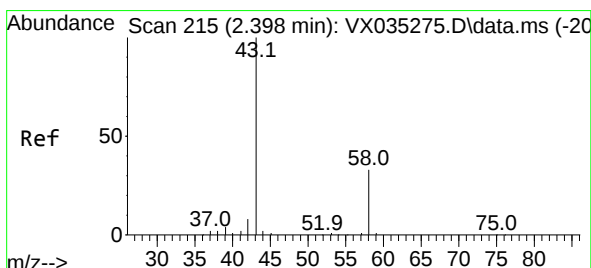
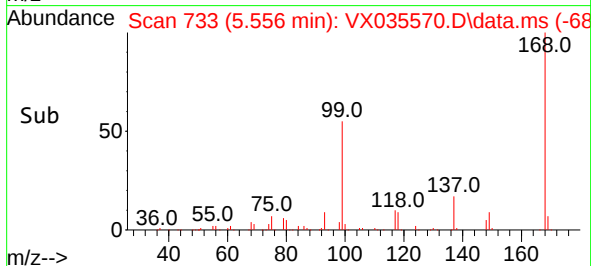
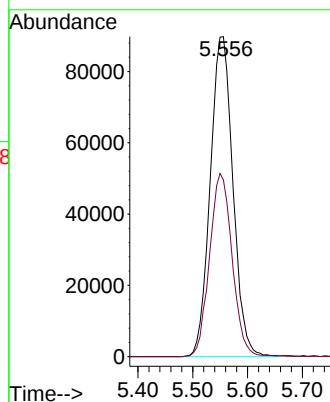
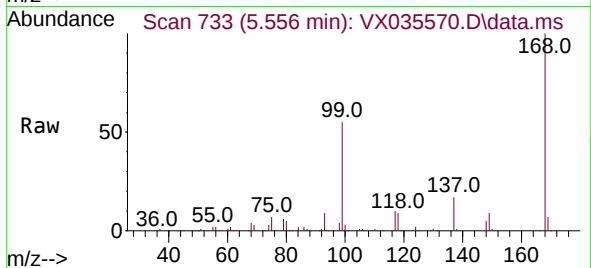
509

Tgt Ion:168 Resp: 258334

Ion Ratio Lower Upper

168 100

99 55.3 45.7 68.5



#16

Acetone

Concen: 2187.937 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX035570.D

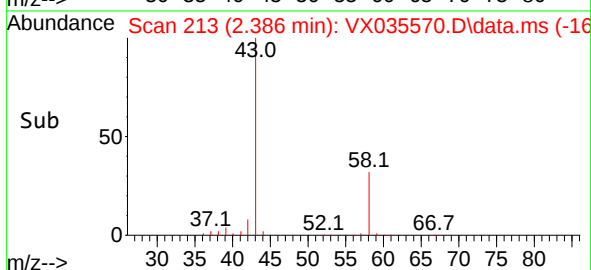
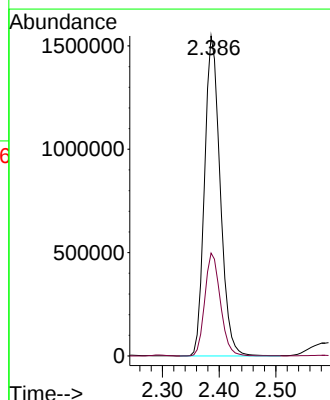
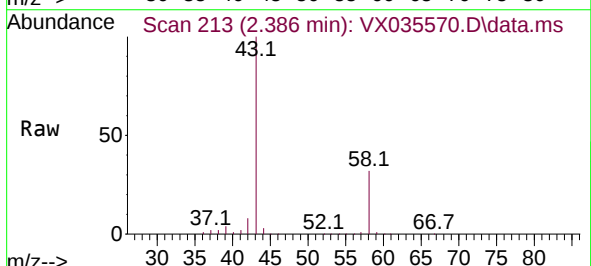
Acq: 08 May 2023 19:08

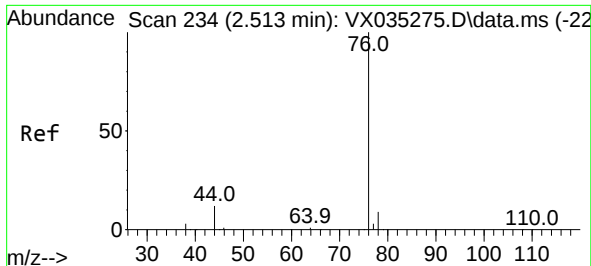
Tgt Ion: 43 Resp: 2961617

Ion Ratio Lower Upper

43 100

58 32.2 24.7 37.1





#17

Carbon Disulfide

Concen: 0.313 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.001 min

Lab File: VX035570.D

Acq: 08 May 2023 19:08

Instrument :

MSVOA_X

ClientSampleId :

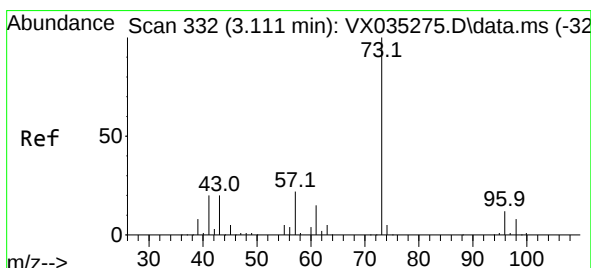
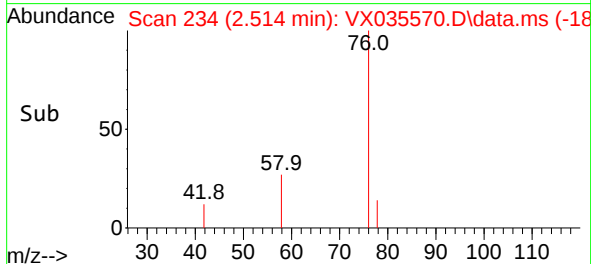
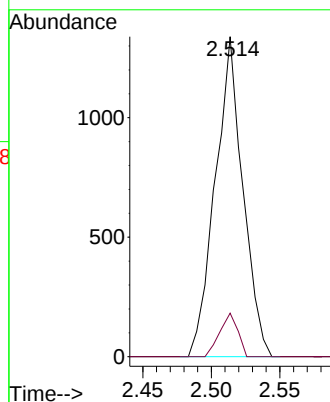
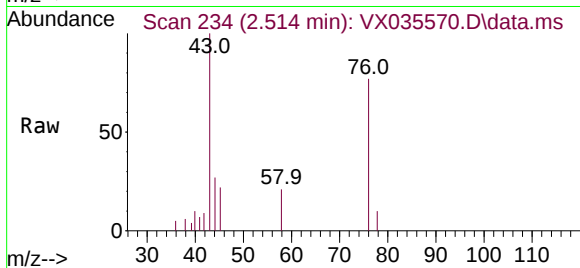
509

Tgt Ion: 76 Resp: 1880

Ion Ratio Lower Upper

76 100

78 13.6 7.2 10.8#



#19

Methyl tert-butyl Ether

Concen: 34.422 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX035570.D

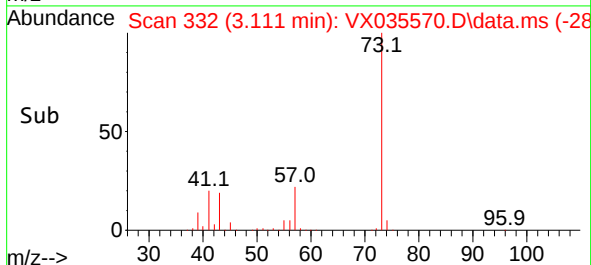
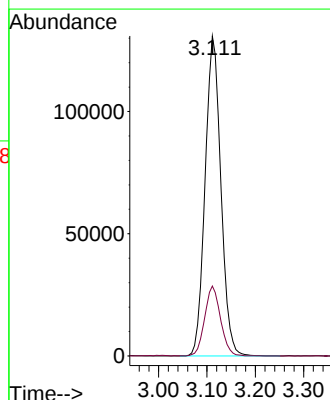
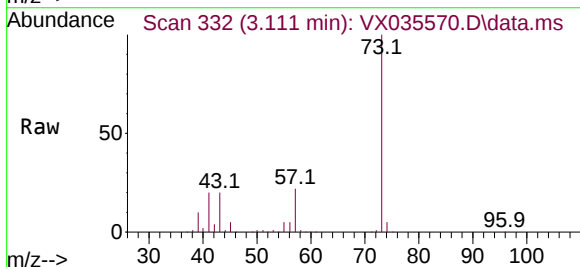
Acq: 08 May 2023 19:08

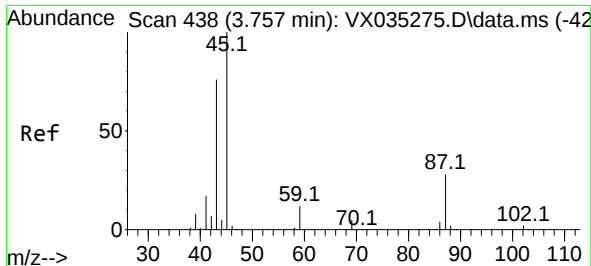
Tgt Ion: 73 Resp: 296301

Ion Ratio Lower Upper

73 100

57 21.9 18.5 27.7

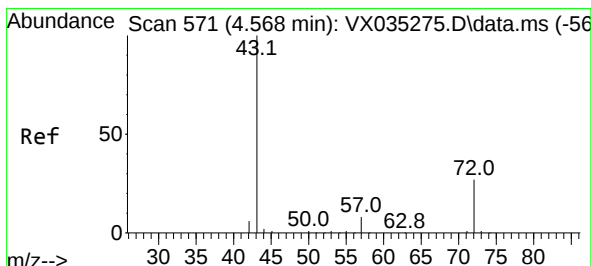
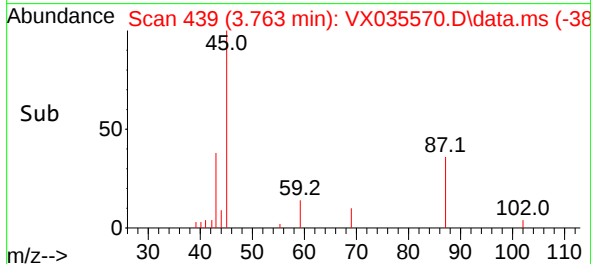
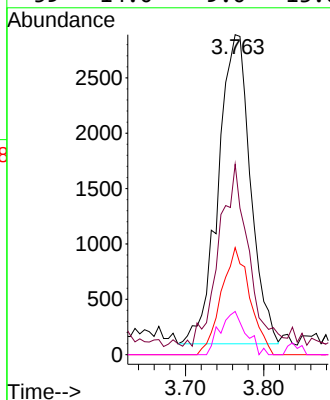
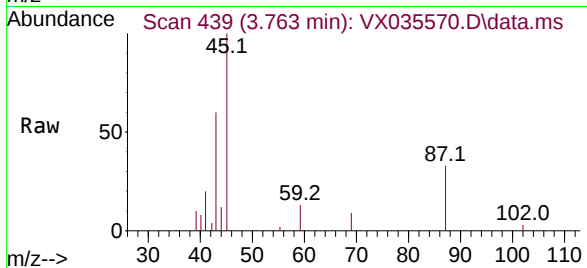




#22
Diisopropyl ether
Concen: 0.913 ug/l
RT: 3.763 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

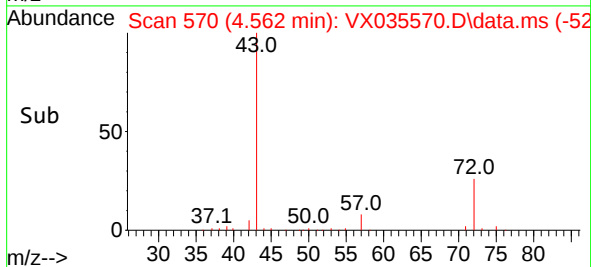
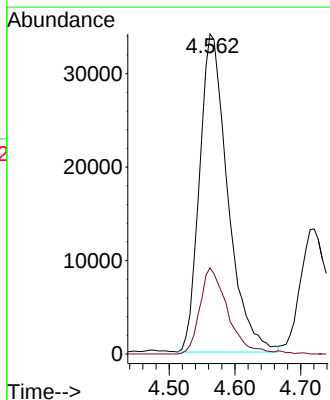
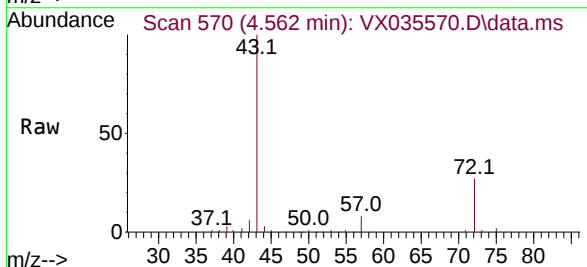
Instrument :
MSVOA_X
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509

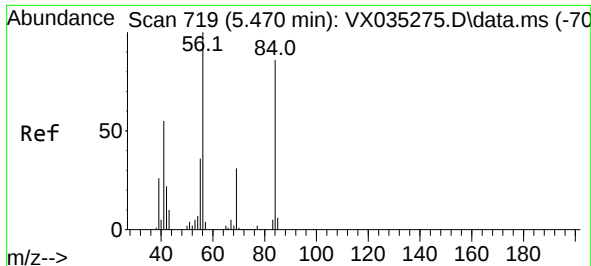
Tgt Ion:	45	Resp:	7976
Ion	Ratio	Lower	Upper
45	100		
43	58.1	65.4	98.2#
87	34.6	20.6	31.0#
59	14.0	9.0	13.6#



#25
2-Butanone
Concen: 51.474 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

Tgt Ion:	43	Resp:	101699
Ion	Ratio	Lower	Upper
43	100		
72	27.1	19.3	28.9

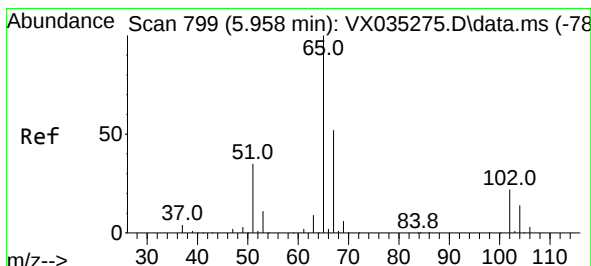
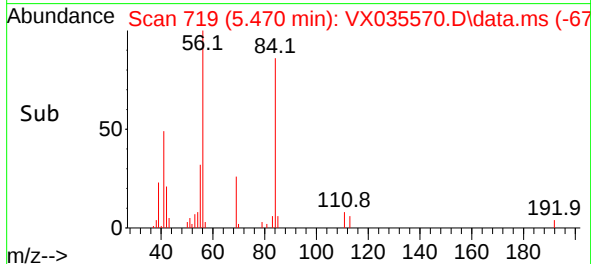
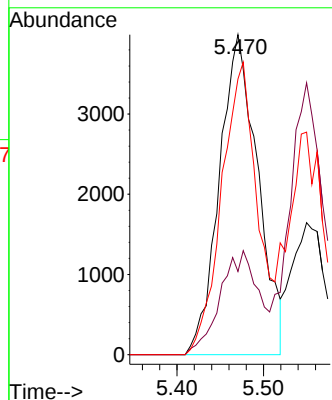
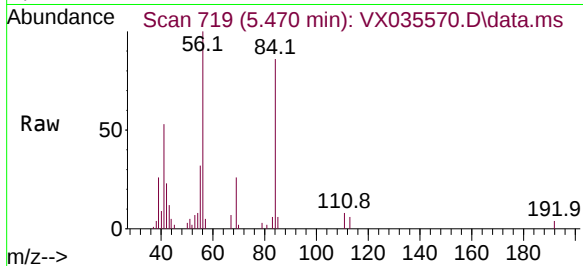




#31
Cyclohexane
Concen: 2.779 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

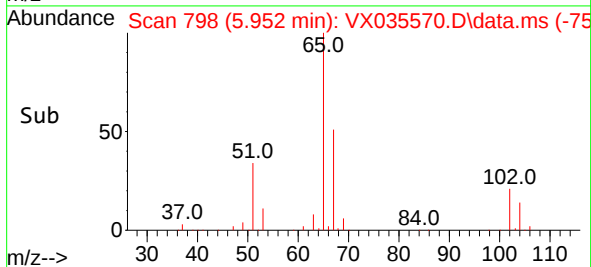
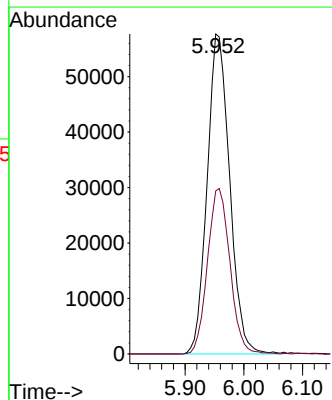
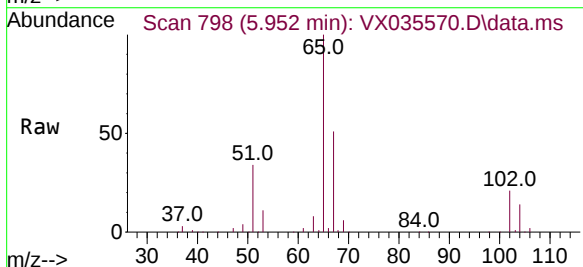
Instrument :
MSVOA_X
ClientSampleId :
509

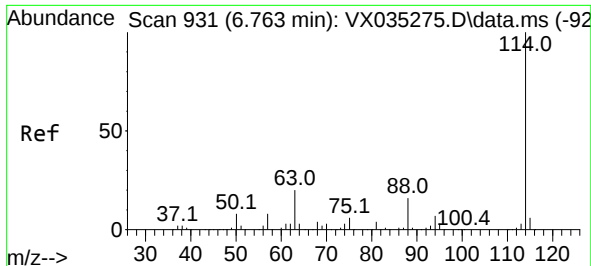
Tgt Ion: 56 Resp: 12285
Ion Ratio Lower Upper
56 100
69 26.0 23.7 35.5
84 86.2 68.5 102.7



#33
1,2-Dichloroethane-d4
Concen: 49.356 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

Tgt Ion: 65 Resp: 153825
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.0

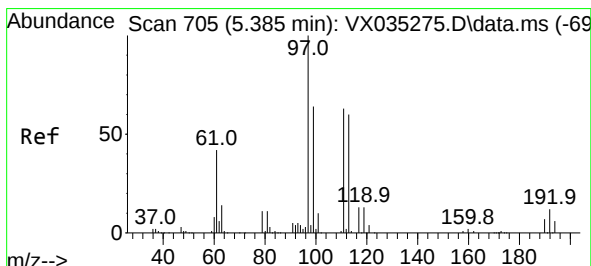
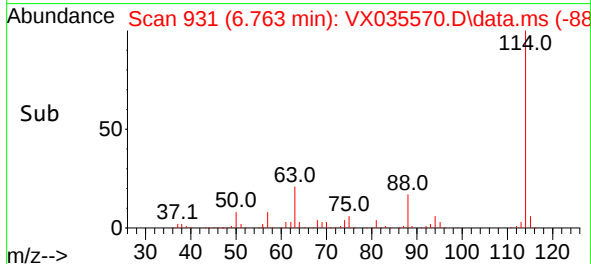
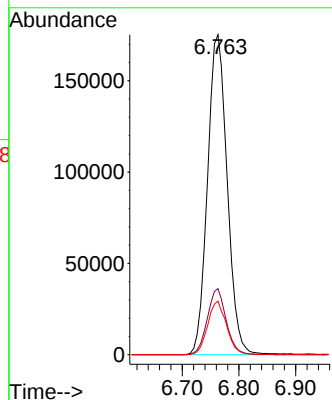
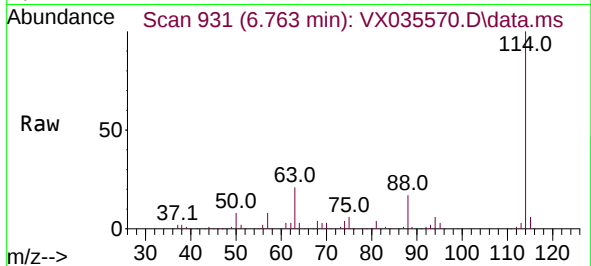




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

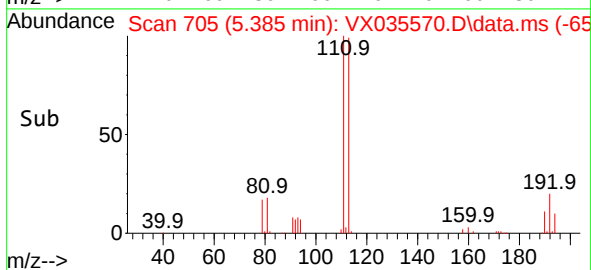
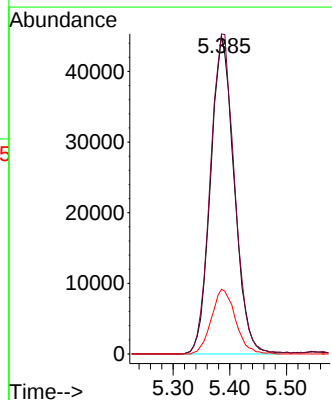
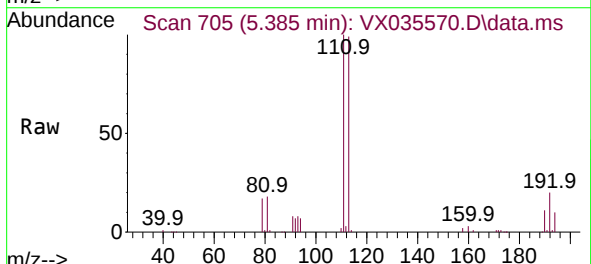
Instrument :
MSVOA_X
ClientSampleId :
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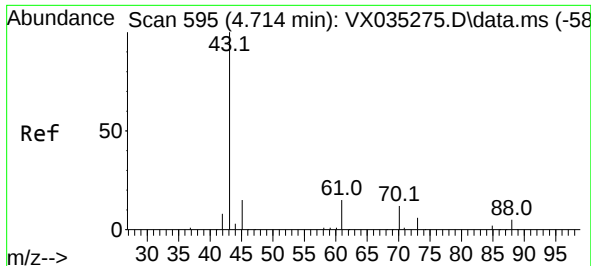
Tgt Ion:114 Resp: 422472
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.2
88 16.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 50.092 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

Tgt Ion:113 Resp: 129889
Ion Ratio Lower Upper
113 100
111 103.4 83.7 125.5
192 20.8 15.4 23.2





#37

Ethyl Acetate

Concen: 10.802 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.007 min

Lab File: VX035570.D

Acq: 08 May 2023 19:08

Instrument :

MSVOA_X

ClientSampleId :

509

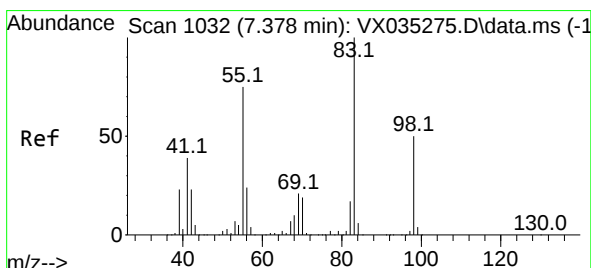
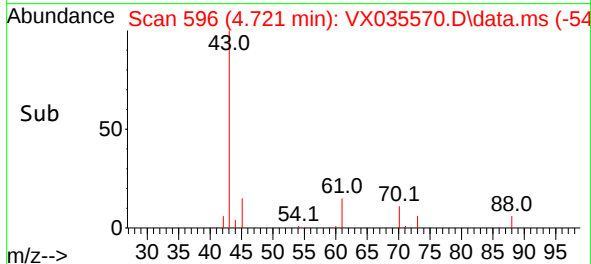
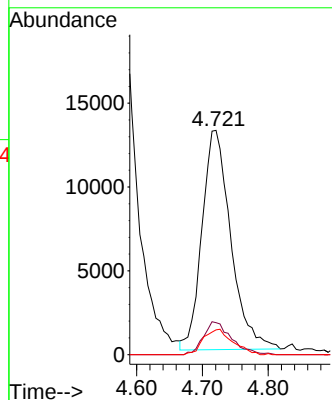
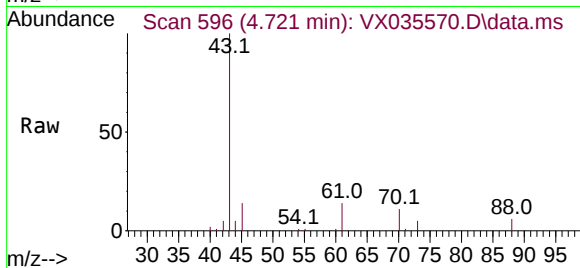
Tgt Ion: 43 Resp: 39944

Ion Ratio Lower Upper

43 100

61 14.6 10.2 15.4

70 11.7 8.2 12.4



#39

Methylcyclohexane

Concen: 1.154 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.001 min

Lab File: VX035570.D

Acq: 08 May 2023 19:08

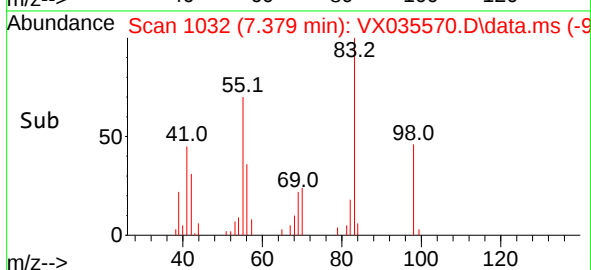
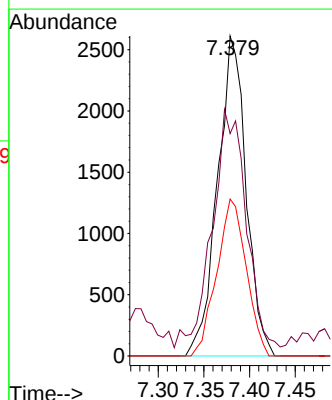
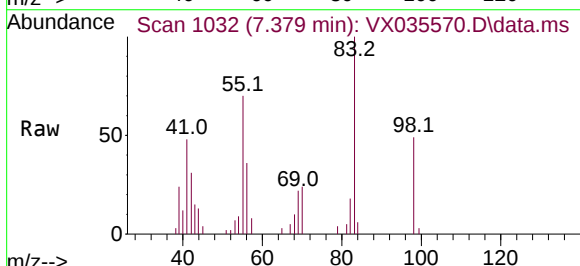
Tgt Ion: 83 Resp: 5685

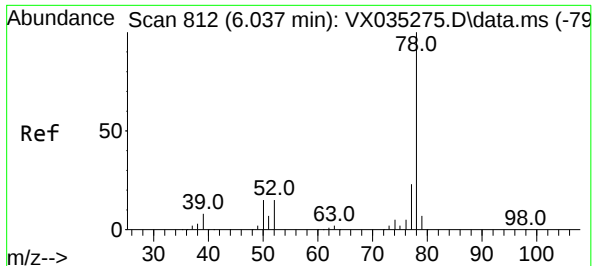
Ion Ratio Lower Upper

83 100

55 66.7 60.5 90.7

98 49.0 40.4 60.6

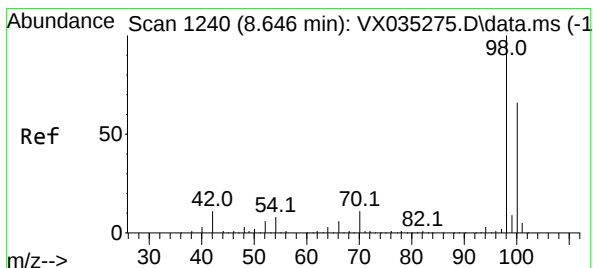
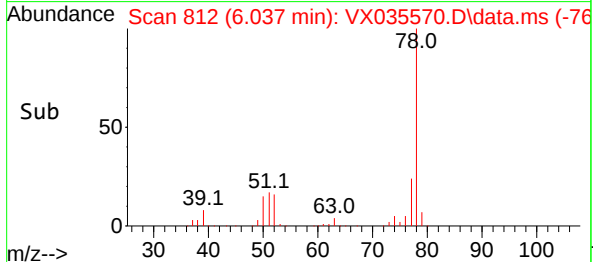
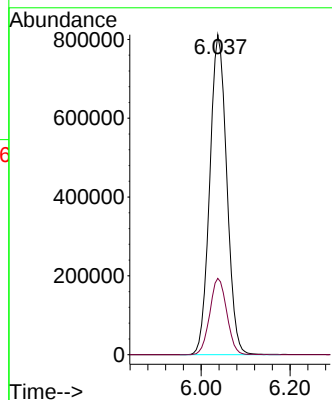
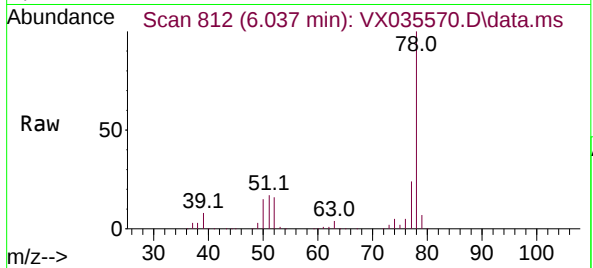




#40
Benzene
Concen: 185.948 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

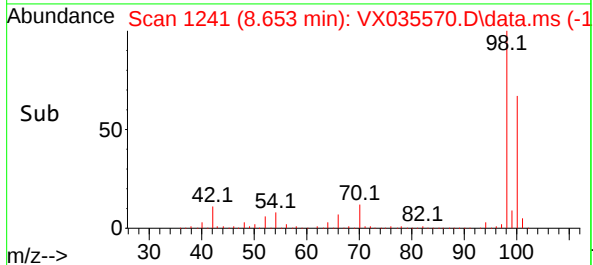
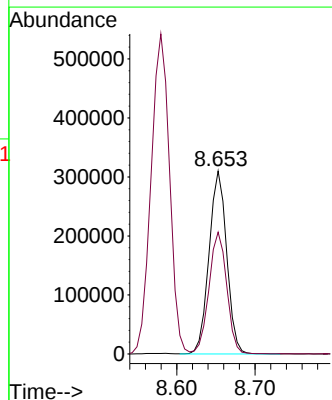
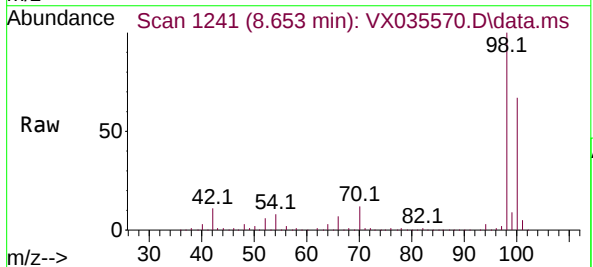
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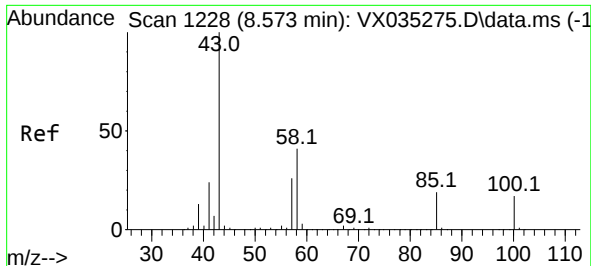
Tgt Ion: 78 Resp: 2159733
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4



#50
Toluene-d8
Concen: 49.560 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

Tgt Ion: 98 Resp: 484781
Ion Ratio Lower Upper
98 100
100 67.2 52.5 78.7

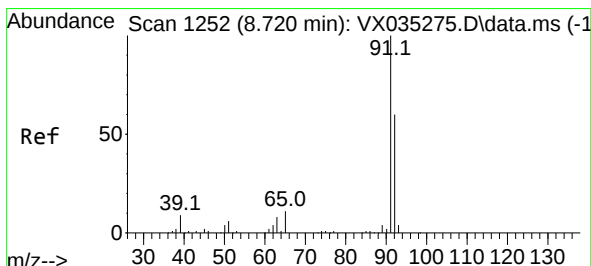
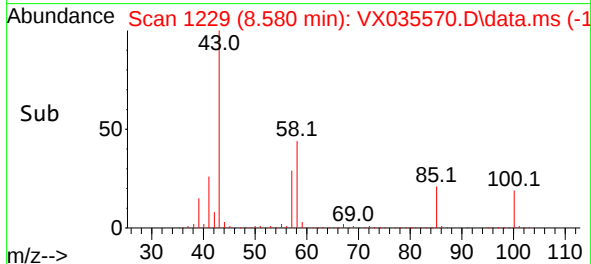
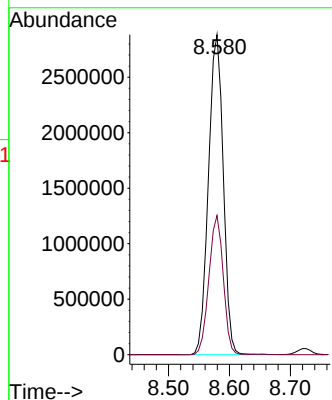
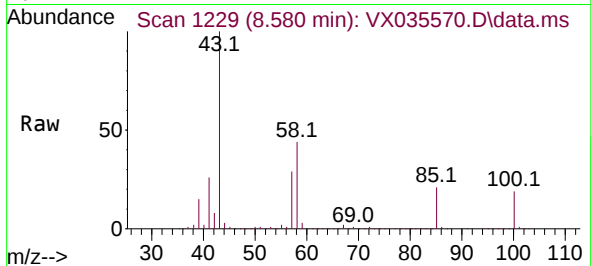




#51
4-Methyl-2-Pentanone
Concen: 1275.309 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.007 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

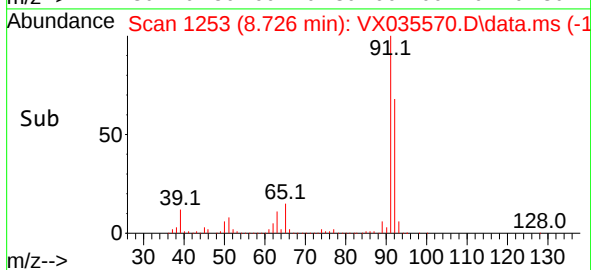
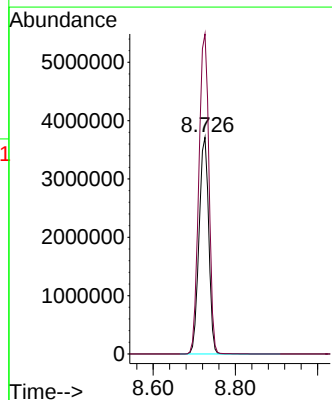
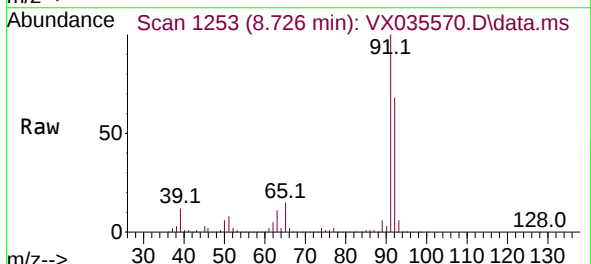
Instrument :
MSVOA_X
ClientSampleId :
509

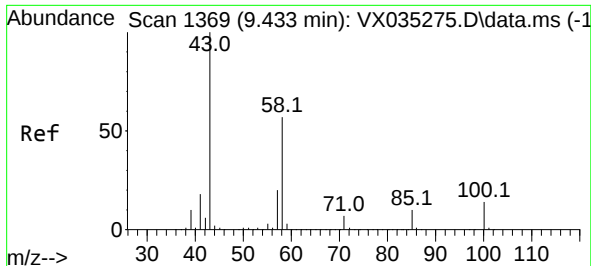
Tgt Ion: 43 Resp: 4868485
Ion Ratio Lower Upper
43 100
58 42.1 30.6 46.0



#52
Toluene
Concen: 818.887 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

Tgt Ion: 92 Resp: 6028850
Ion Ratio Lower Upper
92 100
91 154.6 136.8 205.2





#59

2-Hexanone

Concen: 12.715 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX035570.D

Acq: 08 May 2023 19:08

Instrument :

MSVOA_X

ClientSampleId :

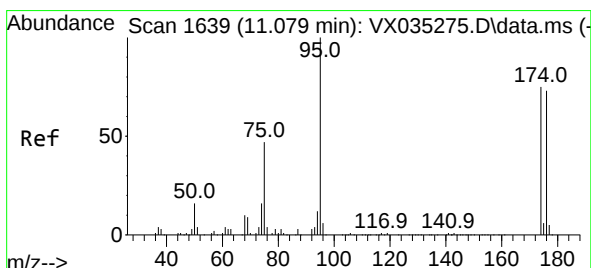
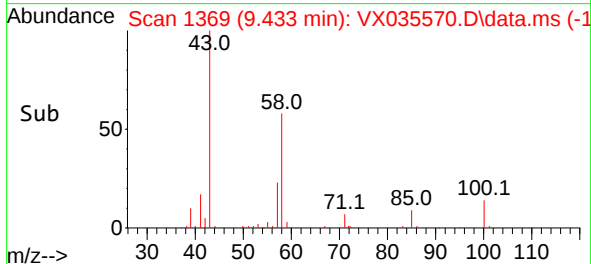
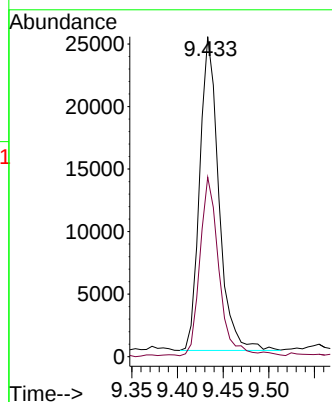
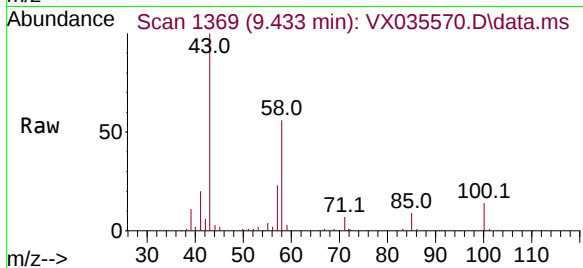
509

Tgt Ion: 43 Resp: 36465

Ion Ratio Lower Upper

43 100

58 55.7 26.3 78.9



#62

4-Bromofluorobenzene

Concen: 53.011 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035570.D

Acq: 08 May 2023 19:08

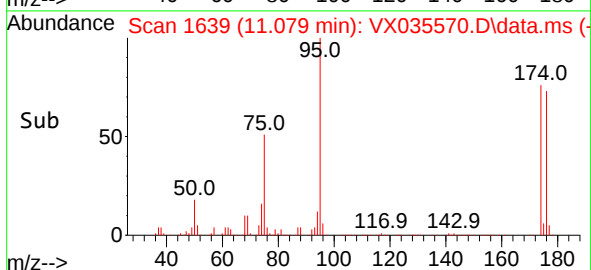
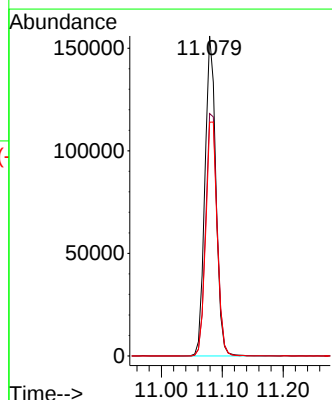
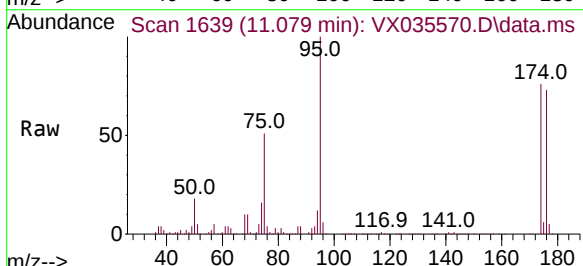
Tgt Ion: 95 Resp: 195065

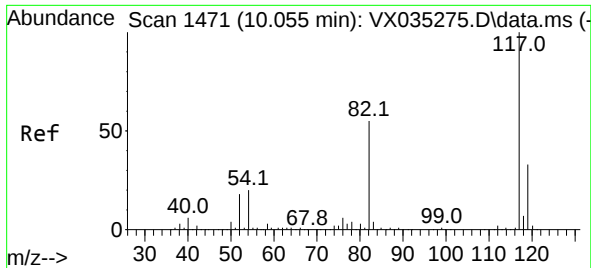
Ion Ratio Lower Upper

95 100

174 79.7 0.0 147.4

176 76.7 0.0 140.6

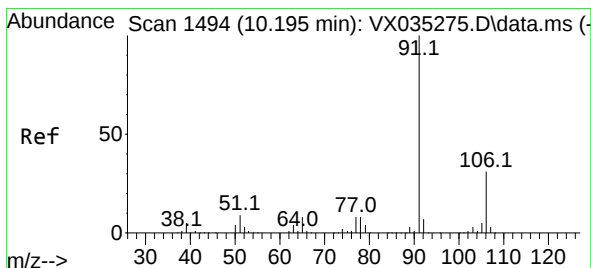
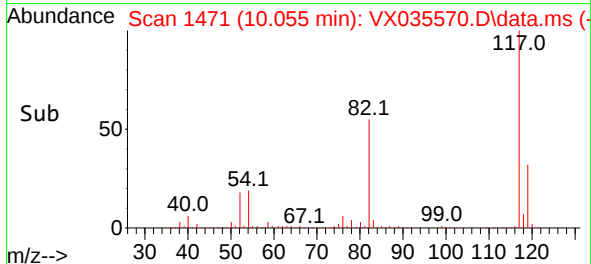
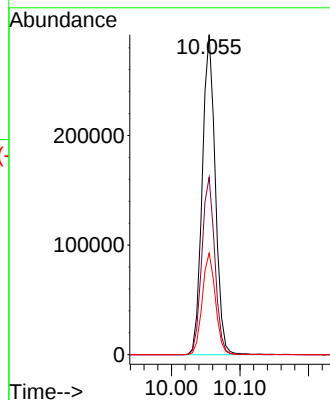
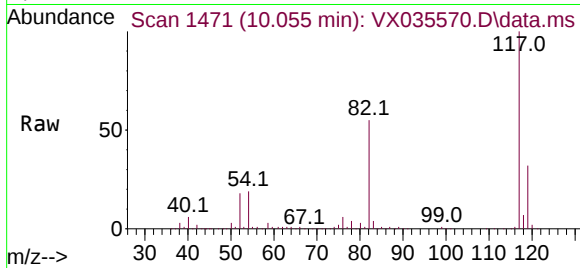




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

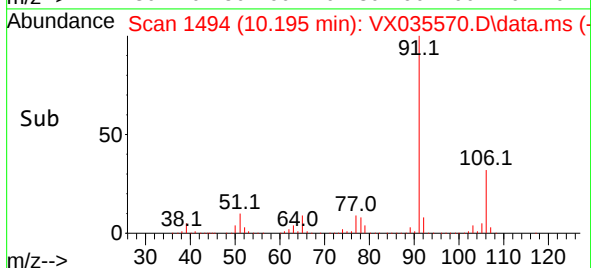
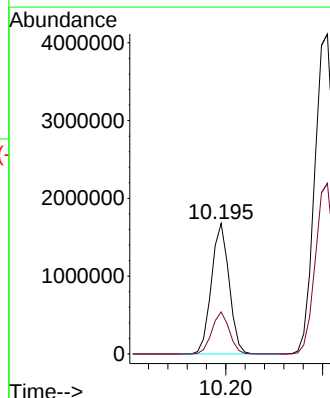
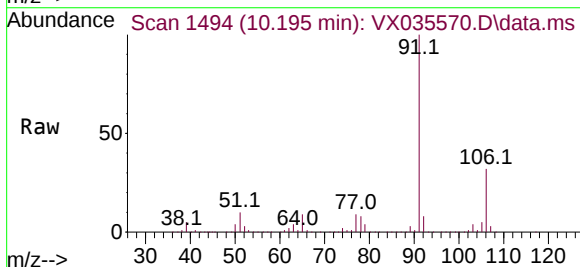
Instrument :
MSVOA_X
ClientSampleId :
509

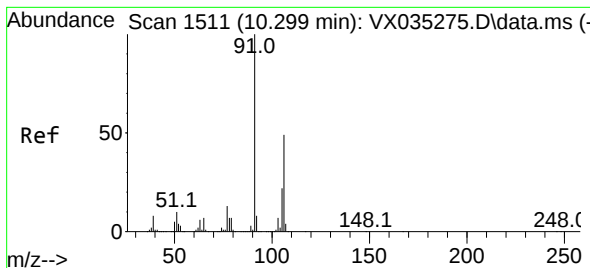
Tgt Ion:117 Resp: 387145
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 31.8 26.0 39.0



#67
Ethyl Benzene
Concen: 147.247 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

Tgt Ion: 91 Resp: 2135874
Ion Ratio Lower Upper
91 100
106 32.3 25.6 38.4

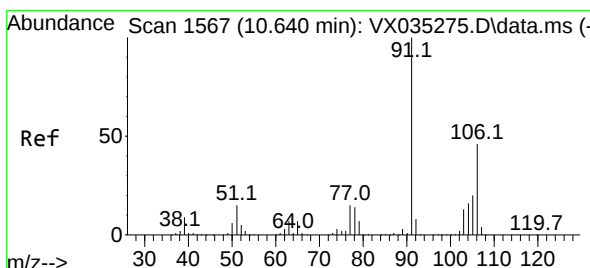
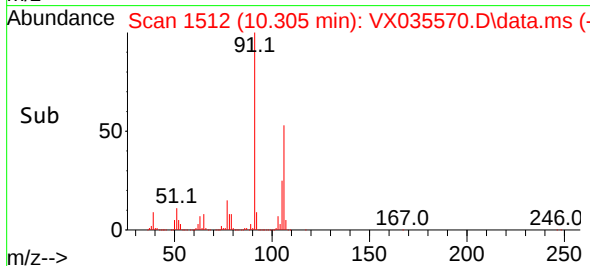
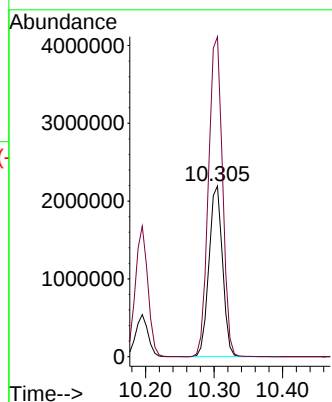
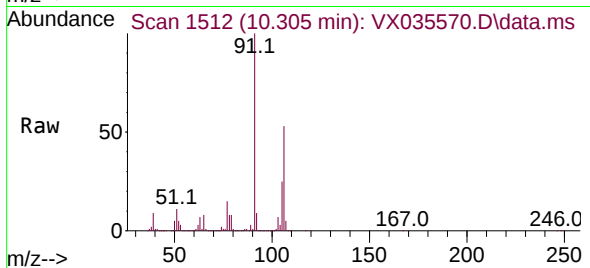




#68
m/p-Xylenes
Concen: 544.278 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

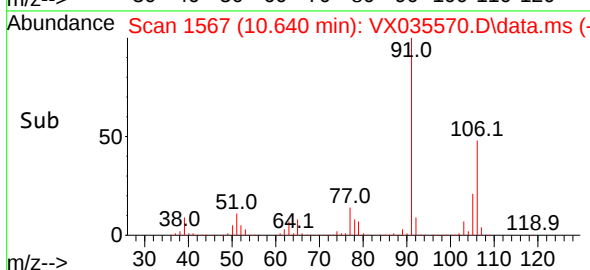
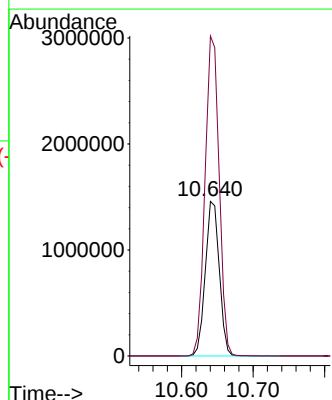
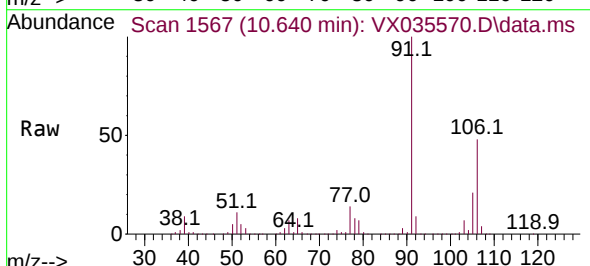
Instrument :
MSVOA_X
ClientSampleId :
509

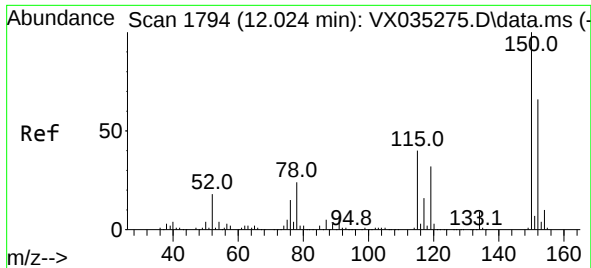
Tgt Ion:106 Resp: 3025187
Ion Ratio Lower Upper
106 100
91 193.9 164.0 246.0



#69
o-Xylene
Concen: 363.341 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

Tgt Ion:106 Resp: 1980329
Ion Ratio Lower Upper
106 100
91 209.2 108.5 325.3

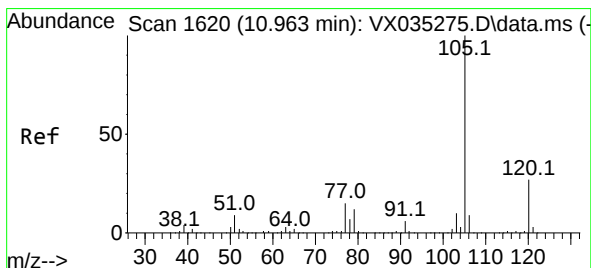
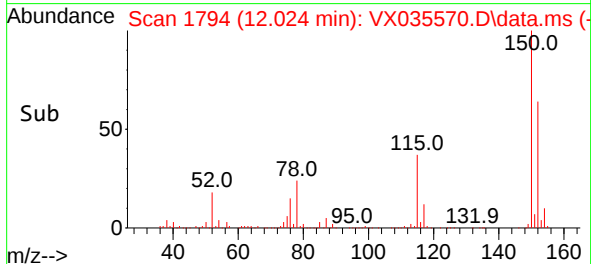
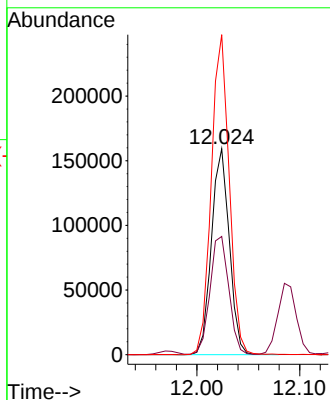
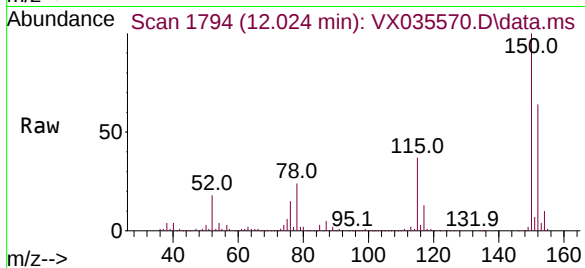




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035570.D
 Acq: 08 May 2023 19:08

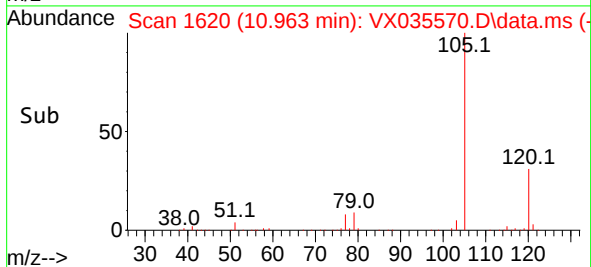
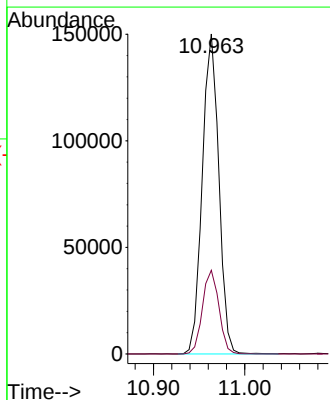
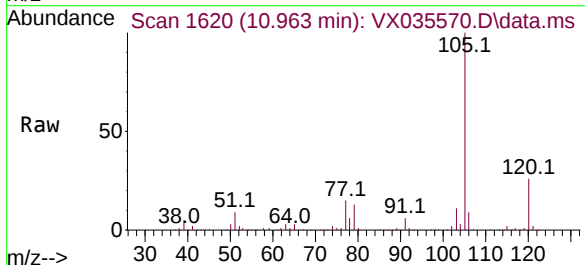
Instrument :
 MSVOA_X
 ClientSampleId :
 509

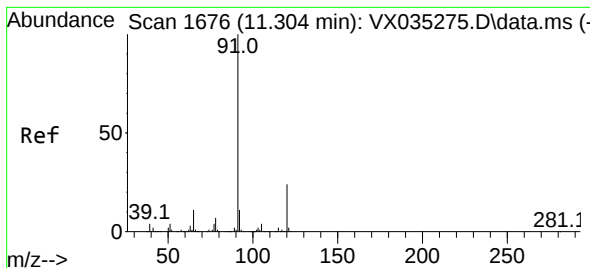
Tgt Ion:152 Resp: 191499
 Ion Ratio Lower Upper
 152 100
 115 60.4 45.0 135.0
 150 156.0 0.0 352.4



#73
 Isopropylbenzene
 Concen: 13.450 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX035570.D
 Acq: 08 May 2023 19:08

Tgt Ion:105 Resp: 188285
 Ion Ratio Lower Upper
 105 100
 120 26.0 13.3 39.9





#78

n-propylbenzene

Concen: 24.349 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.001 min

Lab File: VX035570.D

Acq: 08 May 2023 19:08

Instrument :

MSVOA_X

ClientSampleId :

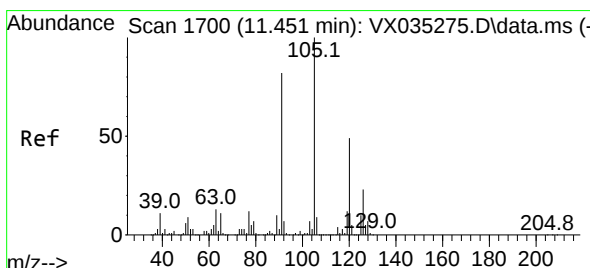
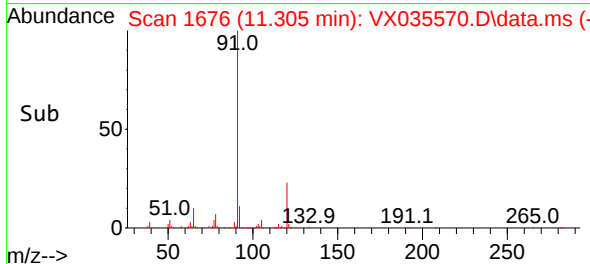
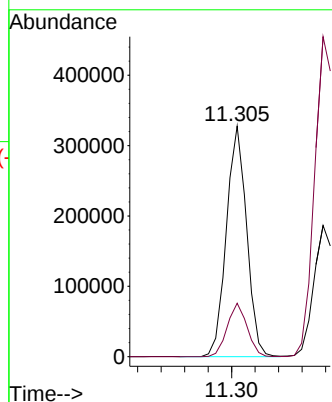
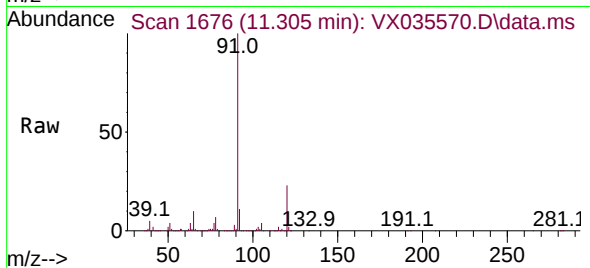
509

Tgt Ion: 91 Resp: 391462

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.5



#80

1,3,5-Trimethylbenzene

Concen: 63.290 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035570.D

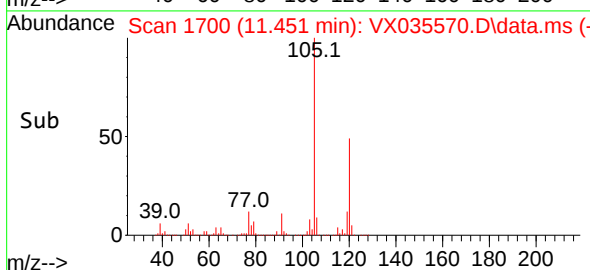
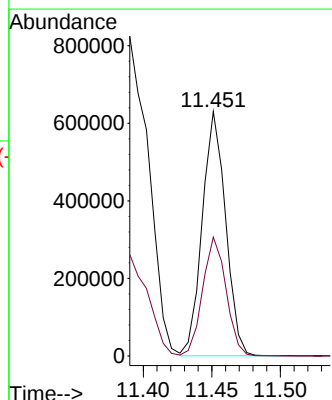
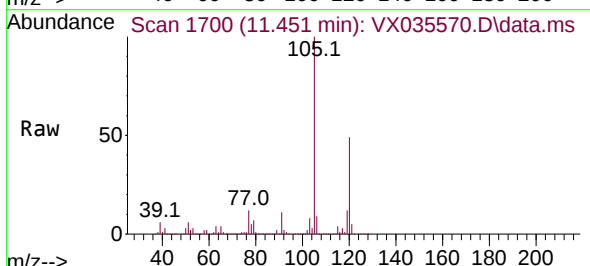
Acq: 08 May 2023 19:08

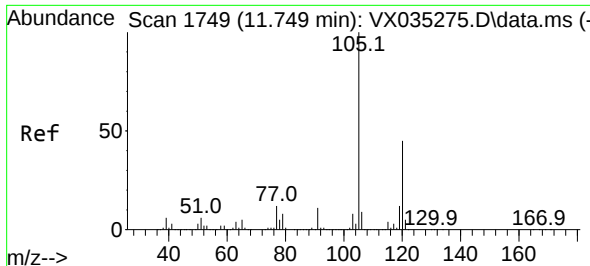
Tgt Ion: 105 Resp: 747027

Ion Ratio Lower Upper

105 100

120 48.7 23.7 71.1

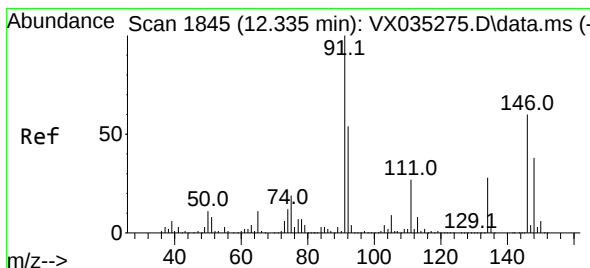
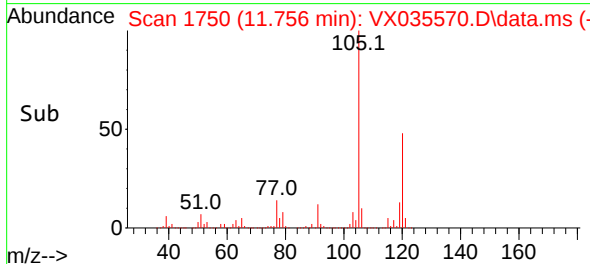
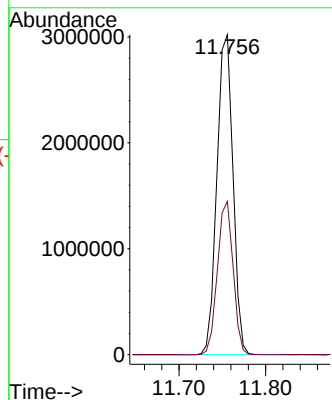
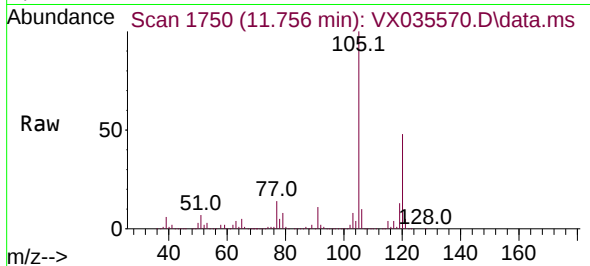




#84
1,2,4-Trimethylbenzene
Concen: 328.496 ug/l
RT: 11.756 min Scan# 11756
Delta R.T. 0.007 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

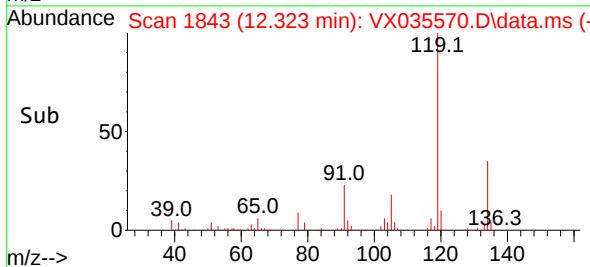
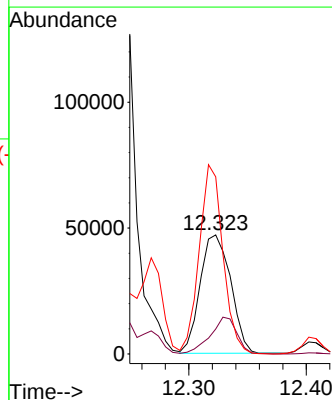
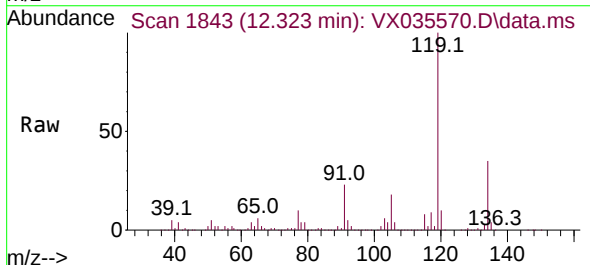
Instrument :
MSVOA_X
ClientSampleId :
509

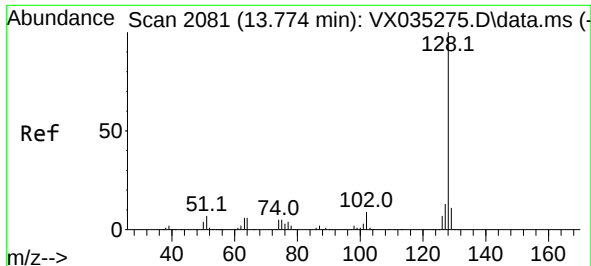
Tgt Ion:105 Resp: 3895857
Ion Ratio Lower Upper
105 100
120 46.8 22.4 67.0



#89
n-Butylbenzene
Concen: 8.163 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. -0.012 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

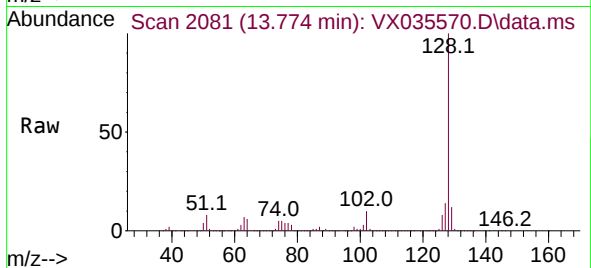
Tgt Ion: 91 Resp: 85138
Ion Ratio Lower Upper
91 100
92 27.1 27.7 83.0#
134 124.2 13.0 38.9#





#95
Naphthalene
Concen: 284.695 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX035570.D
Acq: 08 May 2023 19:08

Instrument :
MSVOA_X
ClientSampleId :
509



Tgt Ion:128 Resp: 3643638
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 11.6 8.6 13.0

