

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090321\
 Data File : VX024111.D
 Acq On : 03 Sep 2021 18:37
 Operator : JC/MD
 Sample : M3646-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1992

Quant Time: Sep 04 01:32:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

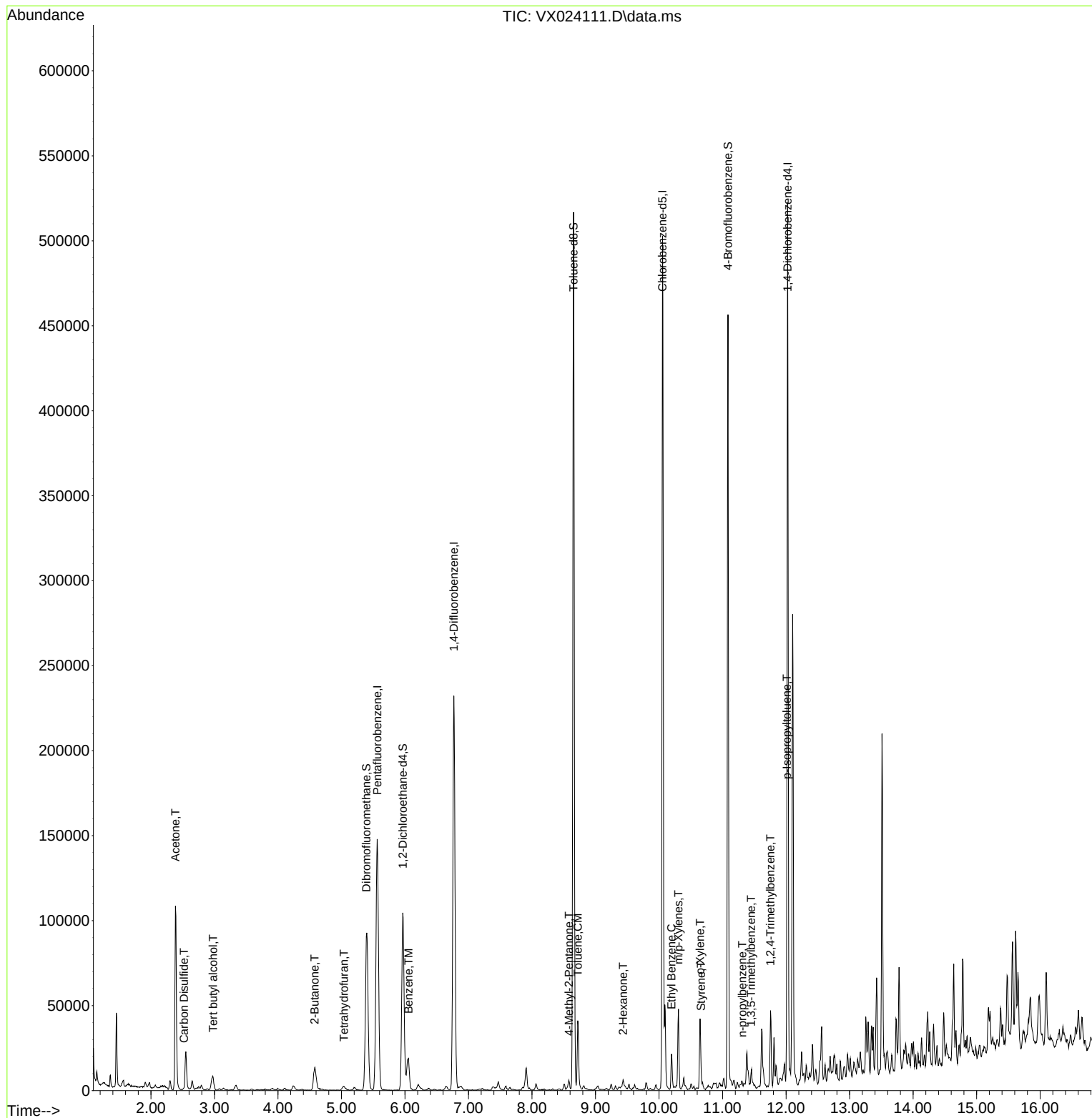
Internal Standards						
1) Pentafluorobenzene	5.562	168	136386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	229174	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102341	53.764	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	107.520%
35) Dibromofluoromethane	5.391	113	79706	52.547	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.100%
50) Toluene-d8	8.653	98	293568	50.850	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.700%
62) 4-Bromofluorobenzene	11.085	95	109915	51.718	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.440%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.977	59	9392	24.398	ug/l	98
16) Acetone	2.386	43	114200	134.177	ug/l	88
17) Carbon Disulfide	2.520	76	891	0.285	ug/l #	83
25) 2-Butanone	4.574	43	17942	13.918	ug/l #	86
29) Tetrahydrofuran	5.038	42	1261	1.510	ug/l #	56
40) Benzene	6.056	78	22439	3.576	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	3639	1.380	ug/l	92
52) Toluene	8.720	92	14415	3.545	ug/l	96
59) 2-Hexanone	9.433	43	2375	1.171	ug/l	76
67) Ethyl Benzene	10.195	91	11119	1.385	ug/l	96
68) m/p-Xylenes	10.305	106	10460	3.421	ug/l	98
69) o-Xylene	10.646	106	7883	2.623	ug/l	99
70) Styrene	10.659	104	3668	0.749	ug/l #	68
78) n-propylbenzene	11.311	91	2292	0.262	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	2686	0.427	ug/l	76
84) 1,2,4-Trimethylbenzene	11.756	105	12715	2.026	ug/l	94
86) p-Isopropyltoluene	12.012	119	4422	0.694	ug/l	90

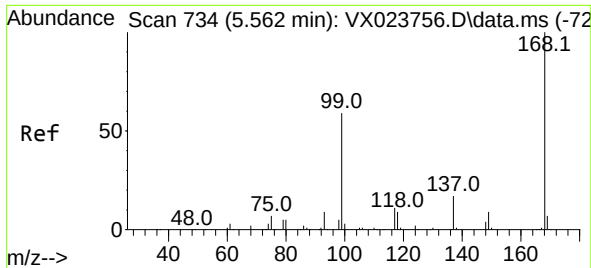
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 04 01:32:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

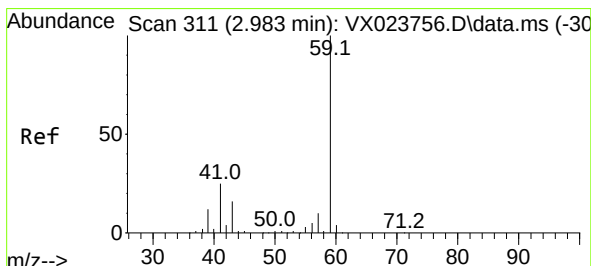
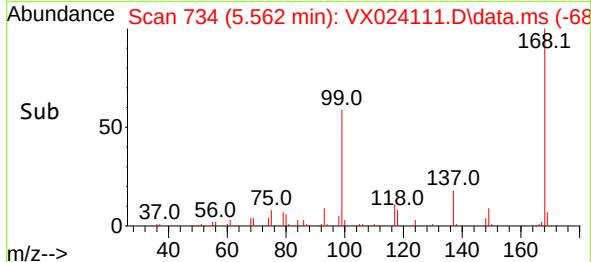
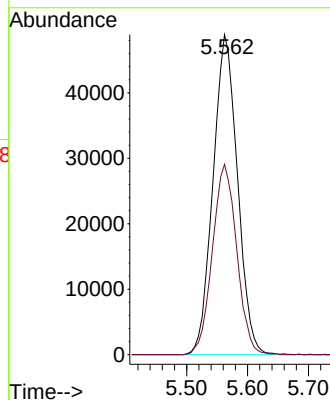
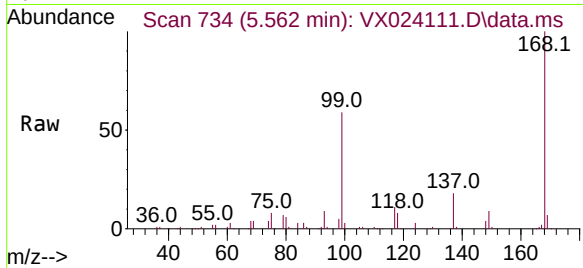




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

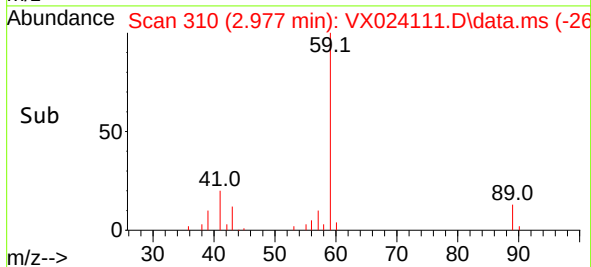
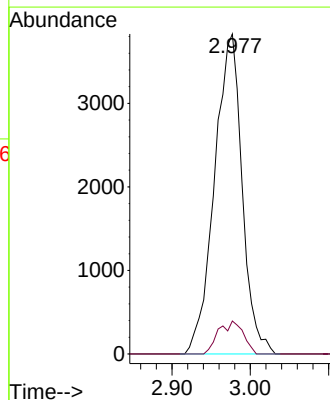
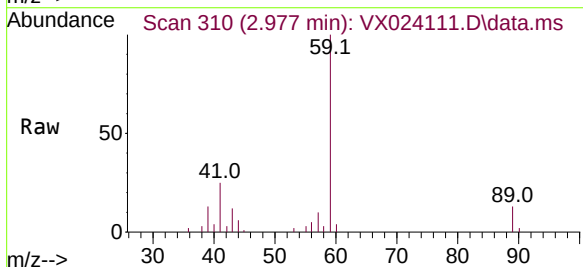
Instrument :
MSVOA_X
ClientSampleId :
1992

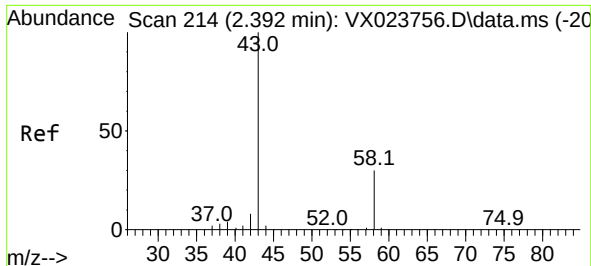
Tgt Ion:168 Resp: 136386
Ion Ratio Lower Upper
168 100
99 59.5 45.8 68.6



#11
Tert butyl alcohol
Concen: 24.398 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

Tgt Ion: 59 Resp: 9392
Ion Ratio Lower Upper
59 100
57 9.2 7.8 11.8

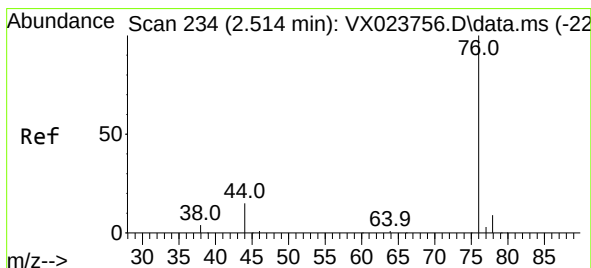
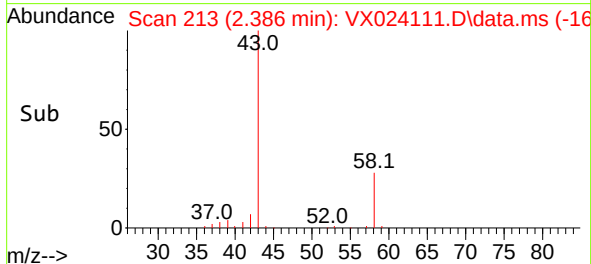
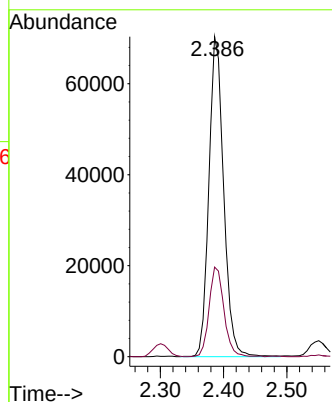
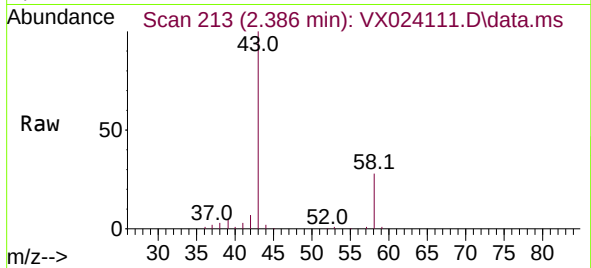




#16
Acetone
Concen: 134.177 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

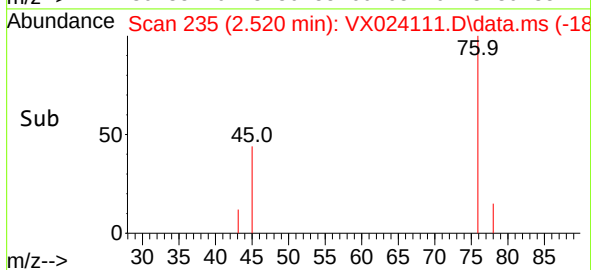
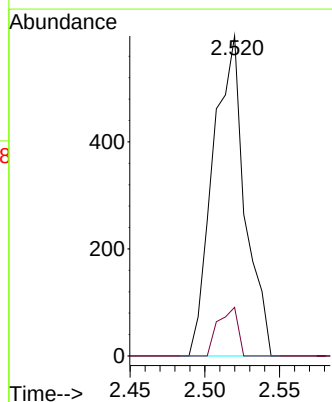
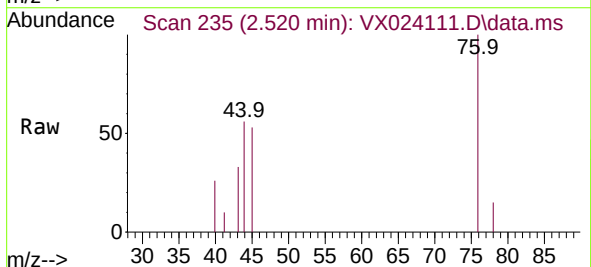
Instrument :
MSVOA_X
ClientSampled :
1992

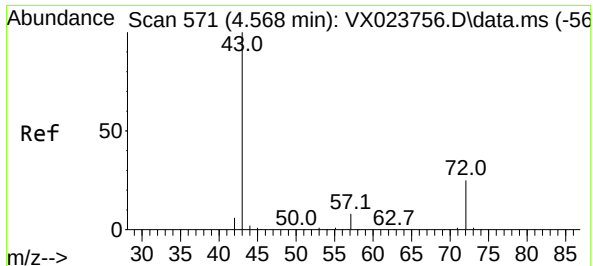
Tgt Ion: 43 Resp: 114200
Ion Ratio Lower Upper
43 100
58 27.9 27.8 41.8



#17
Carbon Disulfide
Concen: 0.285 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

Tgt Ion: 76 Resp: 891
Ion Ratio Lower Upper
76 100
78 15.2 7.2 10.8#





#25

2-Butanone

Concen: 13.918 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX024111.D

Acq: 03 Sep 2021 18:37

Tgt Ion: 43 Resp: 17942

Ion Ratio Lower Upper

43 100

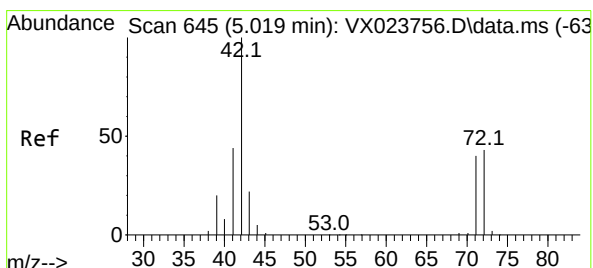
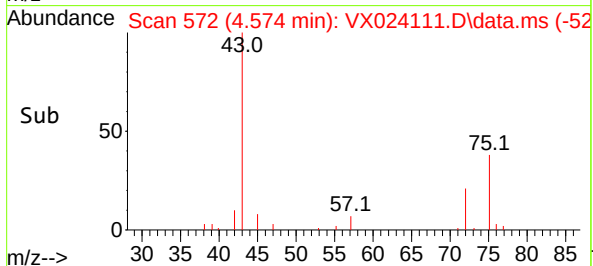
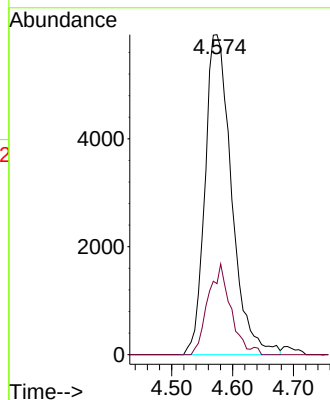
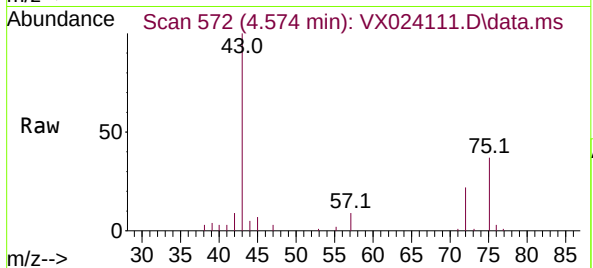
72 22.2 23.7 35.5#

Instrument :

MSVOA_X

ClientSampleId :

1992



#29

Tetrahydrofuran

Concen: 1.510 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX024111.D

Acq: 03 Sep 2021 18:37

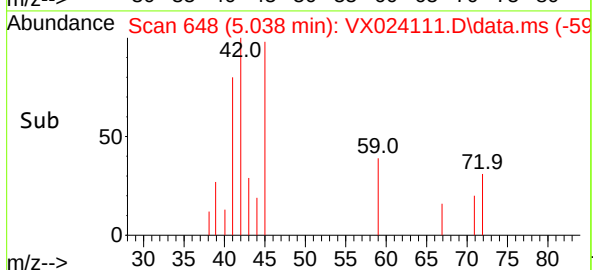
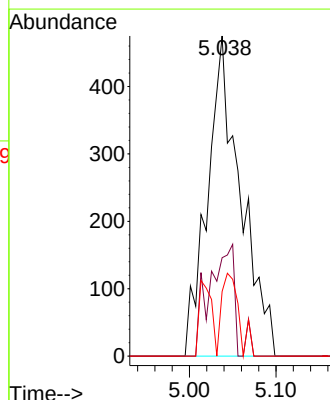
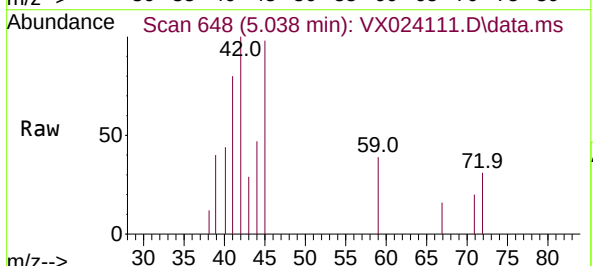
Tgt Ion: 42 Resp: 1261

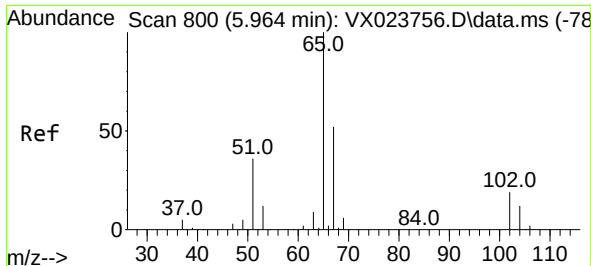
Ion Ratio Lower Upper

42 100

72 25.5 41.7 62.5#

71 13.5 38.4 57.6#





#33

1,2-Dichloroethane-d4

Concen: 53.764 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024111.D

Acq: 03 Sep 2021 18:37

Tgt Ion: 65 Resp: 102341

Ion Ratio Lower Upper

65 100

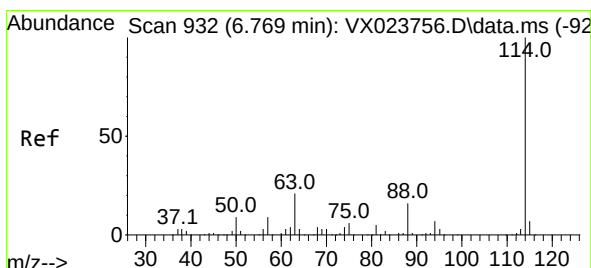
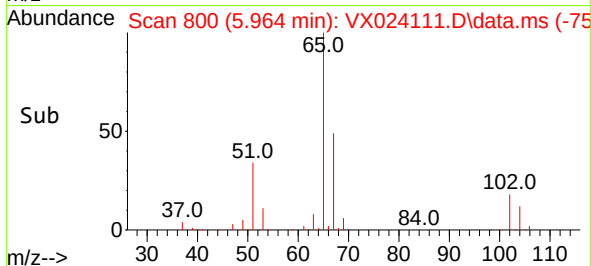
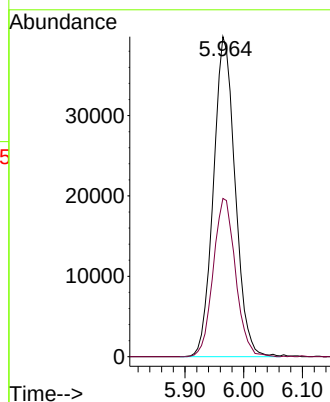
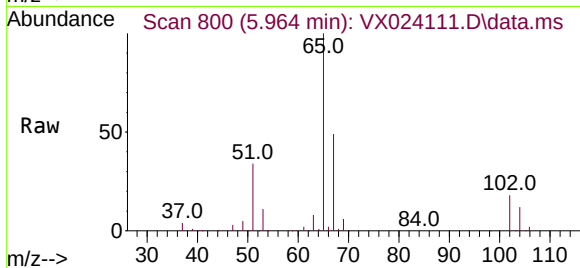
67 50.8 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

1992



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX024111.D

Acq: 03 Sep 2021 18:37

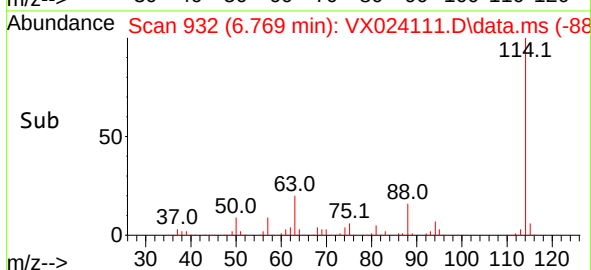
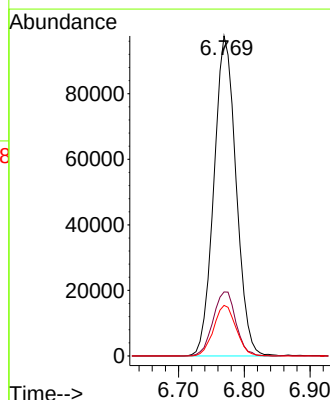
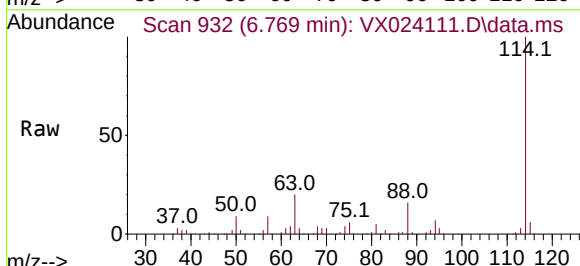
Tgt Ion: 114 Resp: 229174

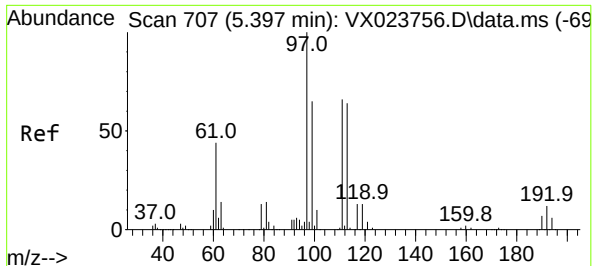
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.547 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX024111.D

Acq: 03 Sep 2021 18:37

Instrument :

MSVOA_X

ClientSampleId :

1992

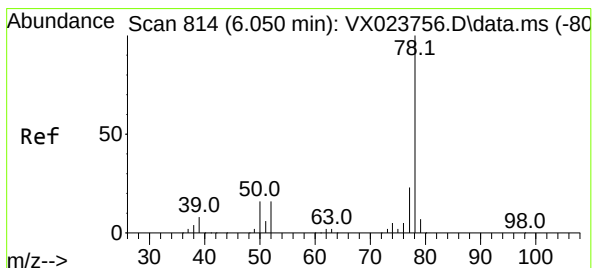
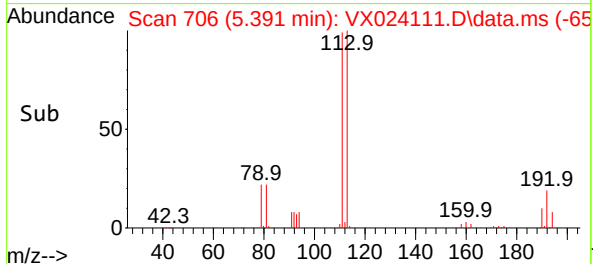
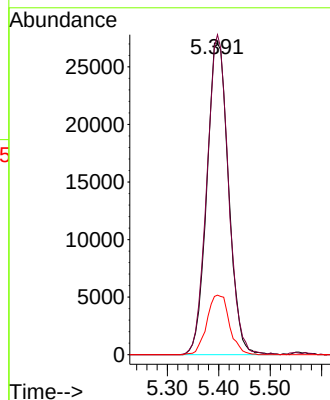
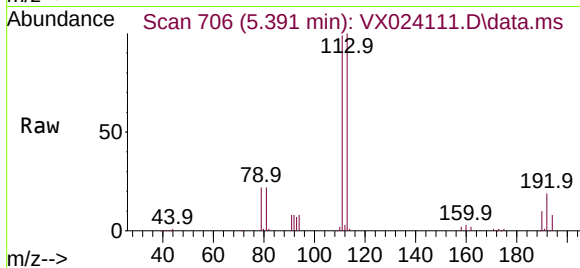
Tgt Ion:113 Resp: 79706

Ion Ratio Lower Upper

113 100

111 101.3 81.9 122.9

192 19.7 16.7 25.1



#40

Benzene

Concen: 3.576 ug/l

RT: 6.056 min Scan# 815

Delta R.T. 0.006 min

Lab File: VX024111.D

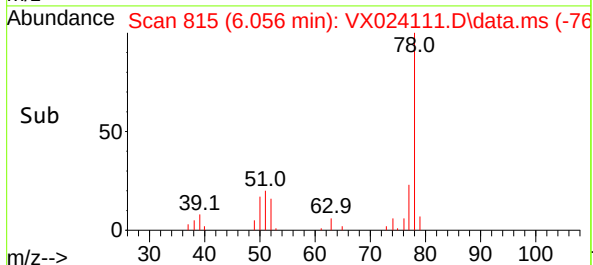
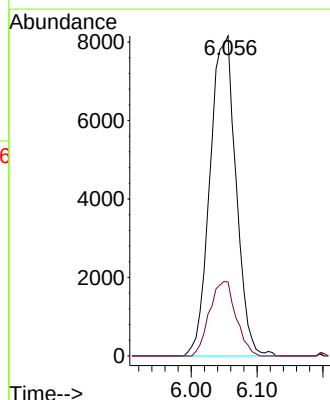
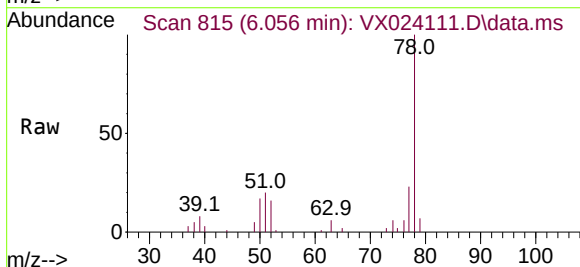
Acq: 03 Sep 2021 18:37

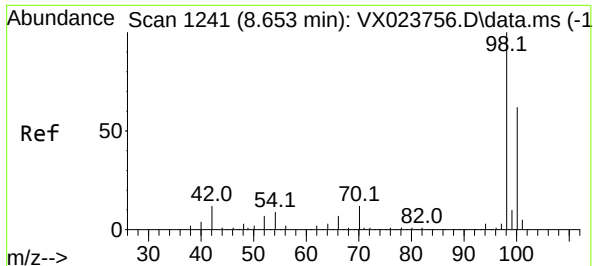
Tgt Ion: 78 Resp: 22439

Ion Ratio Lower Upper

78 100

77 23.1 18.9 28.3





#50

Toluene-d8

Concen: 50.850 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024111.D

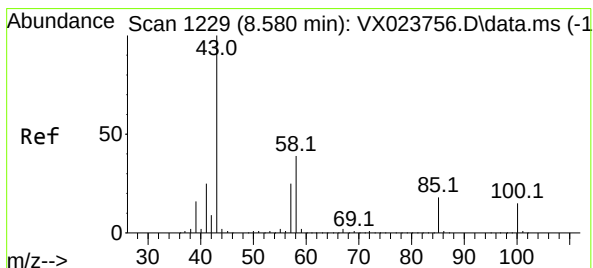
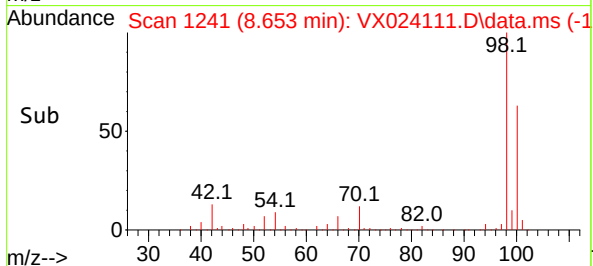
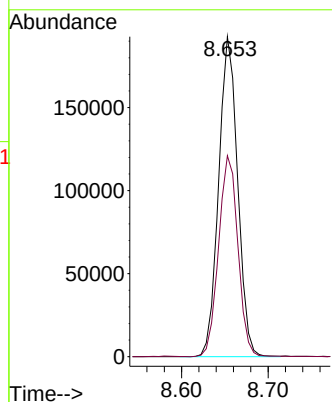
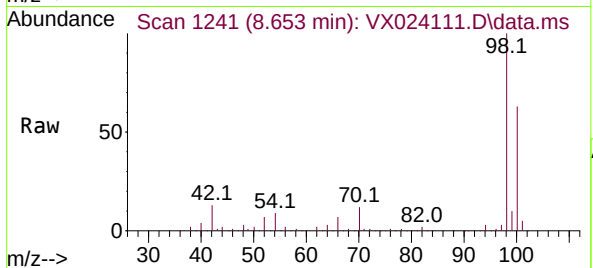
Acq: 03 Sep 2021 18:37

Tgt Ion: 98 Resp: 293568

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 1.380 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VX024111.D

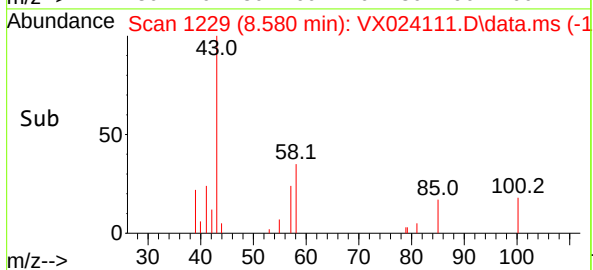
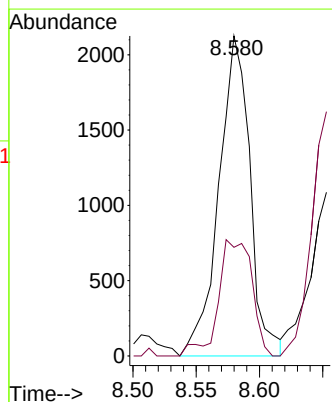
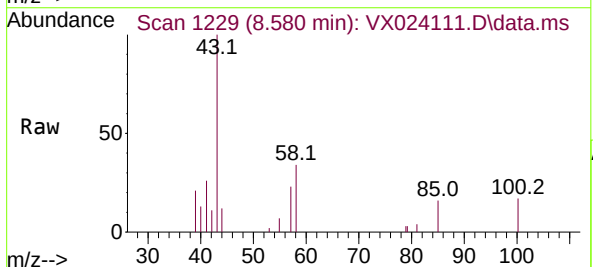
Acq: 03 Sep 2021 18:37

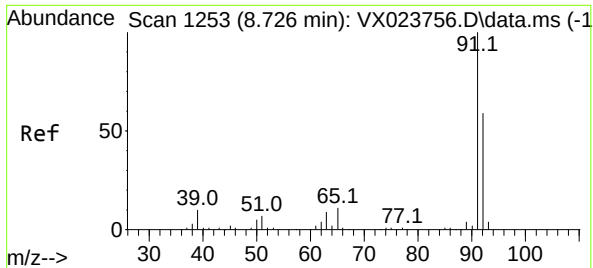
Tgt Ion: 43 Resp: 3639

Ion Ratio Lower Upper

43 100

58 39.0 35.4 53.0

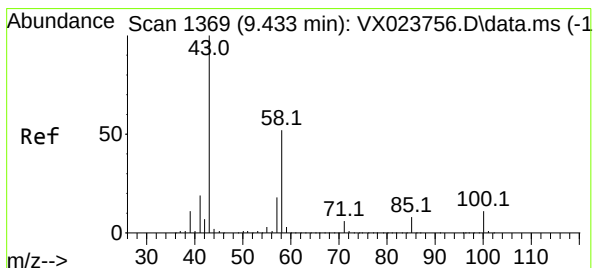
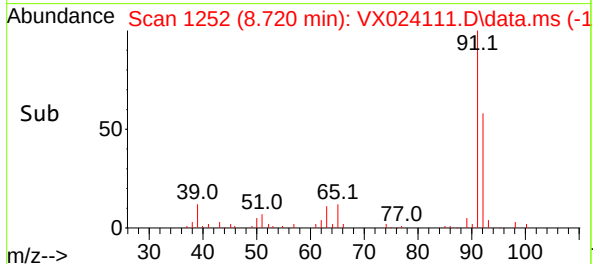
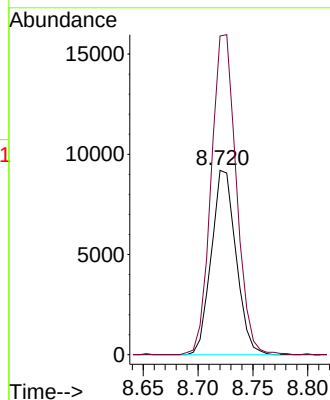
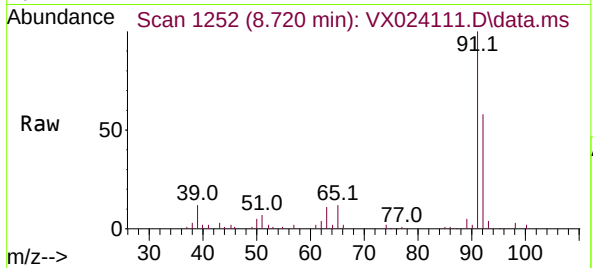




#52
Toluene
Concen: 3.545 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

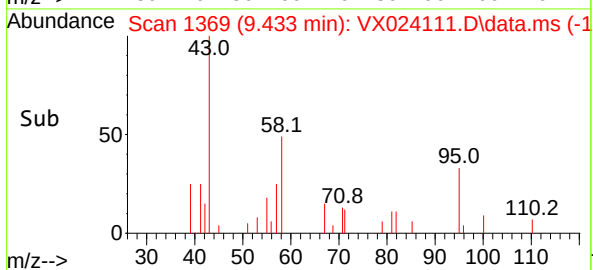
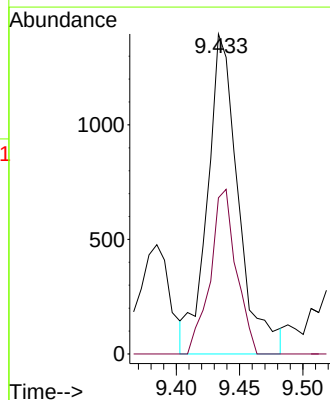
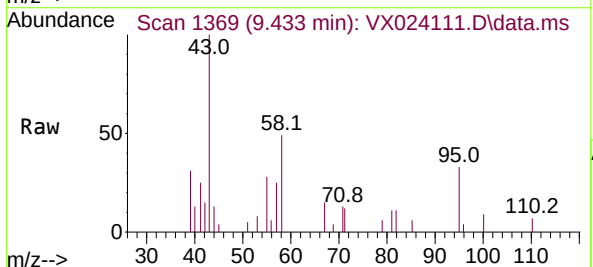
Instrument :
MSVOA_X
ClientSampled :
1992

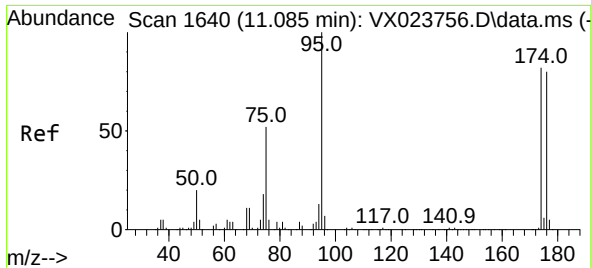
Tgt Ion: 92 Resp: 14415
Ion Ratio Lower Upper
92 100
91 177.1 137.1 205.7



#59
2-Hexanone
Concen: 1.171 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

Tgt Ion: 43 Resp: 2375
Ion Ratio Lower Upper
43 100
58 43.2 30.9 92.8

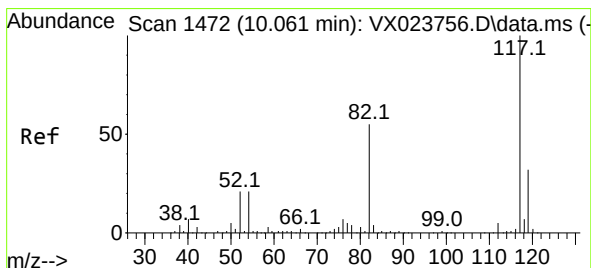
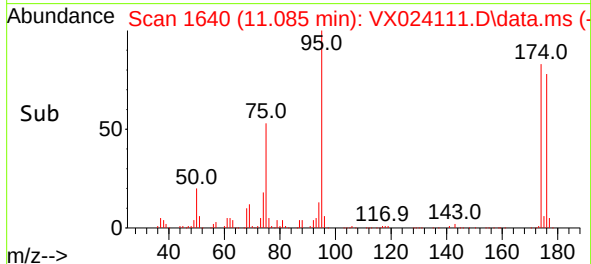
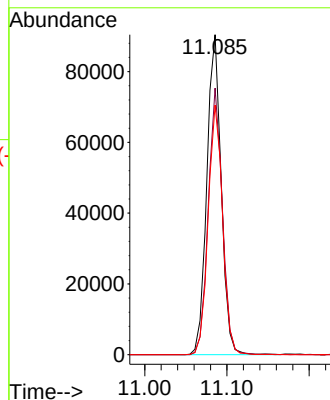
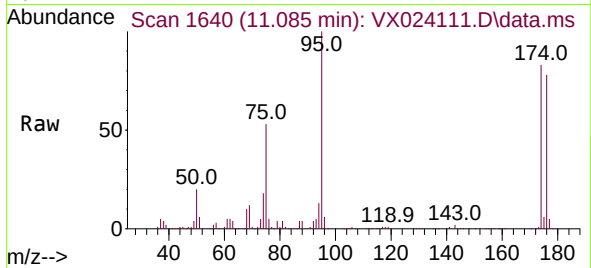




#62
4-Bromofluorobenzene
Concen: 51.718 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

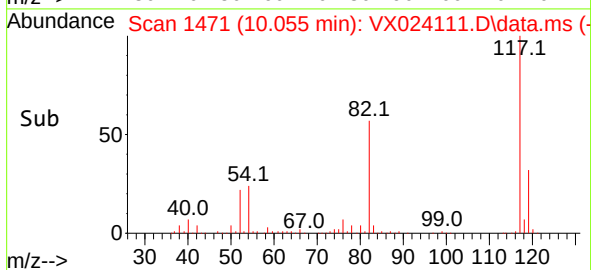
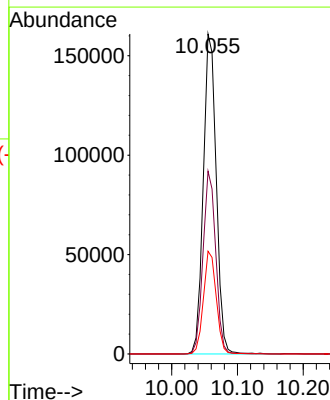
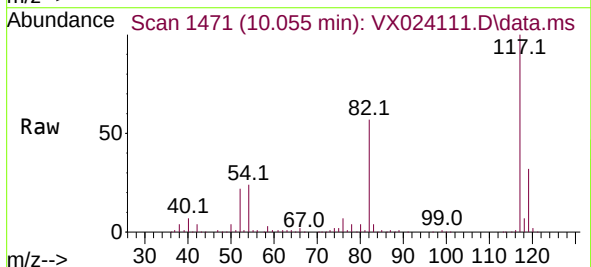
Instrument :
MSVOA_X
ClientSampled :
1992

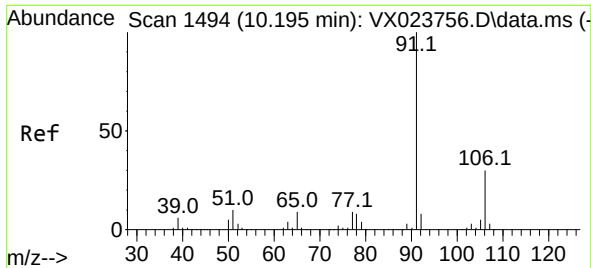
Tgt Ion: 95 Resp: 109915
Ion Ratio Lower Upper
95 100
174 82.0 0.0 154.6
176 78.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

Tgt Ion: 117 Resp: 220299
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 32.1 26.6 39.8

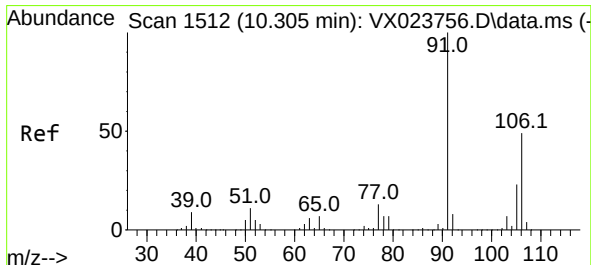
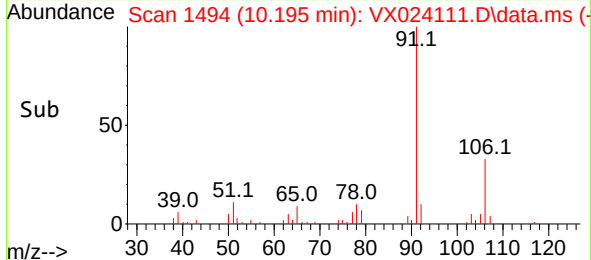
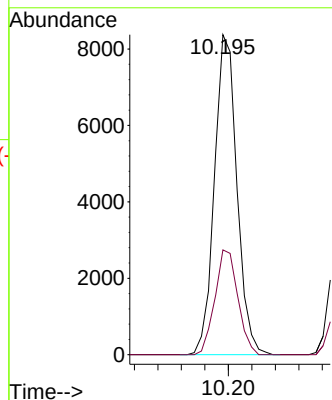
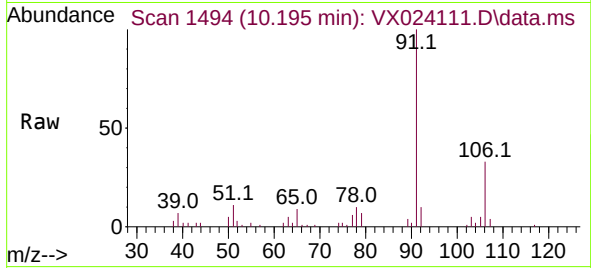




#67
Ethyl Benzene
Concen: 1.385 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

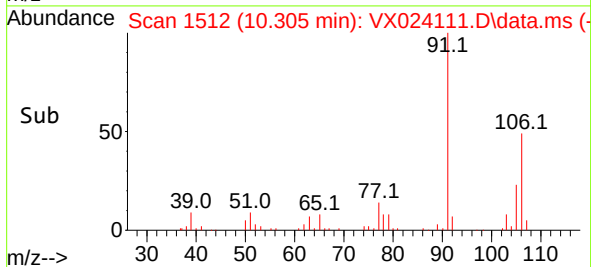
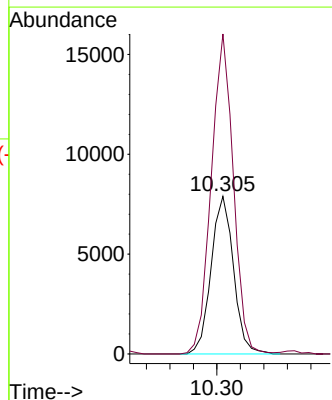
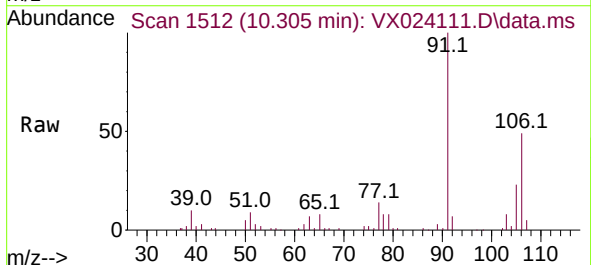
Instrument :
MSVOA_X
ClientSampled :
1992

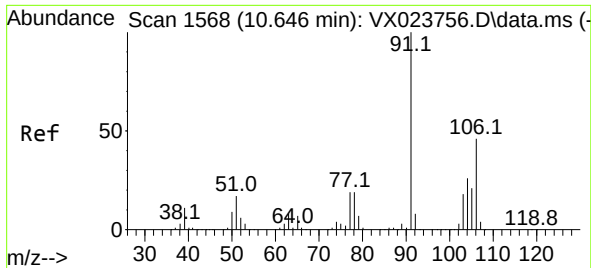
Tgt Ion: 91 Resp: 11119
Ion Ratio Lower Upper
91 100
106 32.7 24.6 37.0



#68
m/p-Xylenes
Concen: 3.421 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

Tgt Ion: 106 Resp: 10460
Ion Ratio Lower Upper
106 100
91 200.6 162.8 244.2

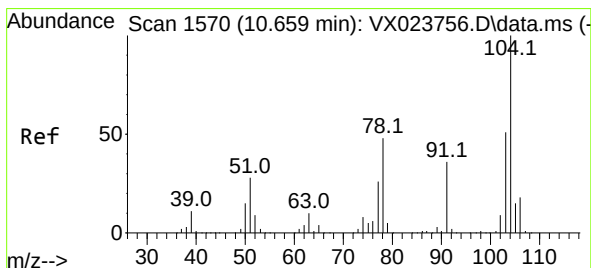
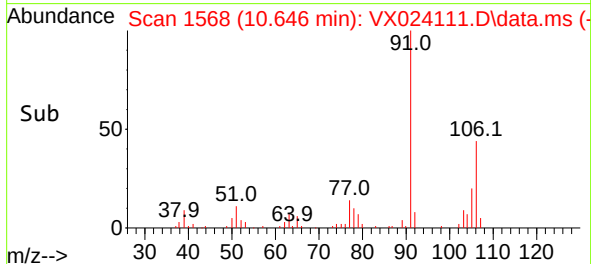
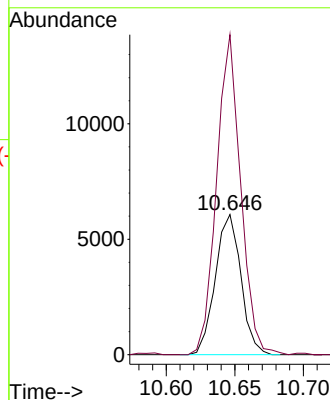
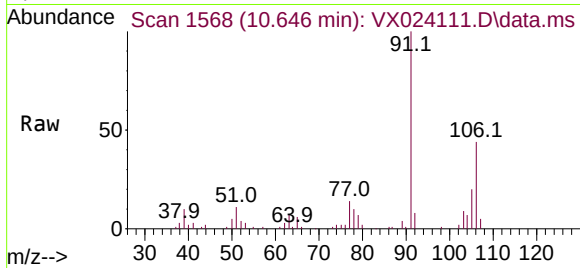




#69
o-Xylene
Concen: 2.623 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

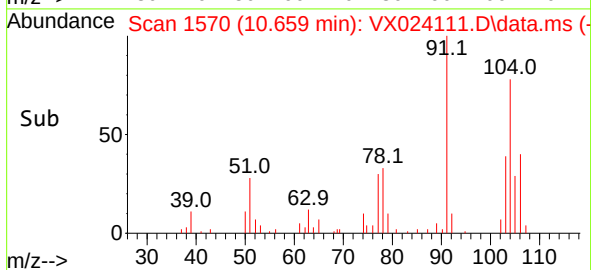
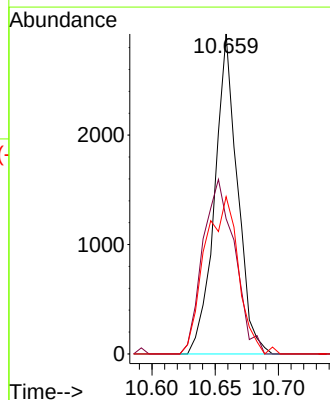
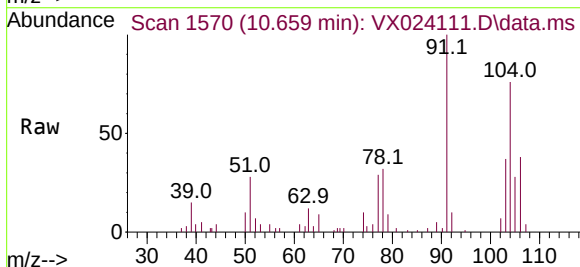
Instrument :
MSVOA_X
ClientSampled :
1992

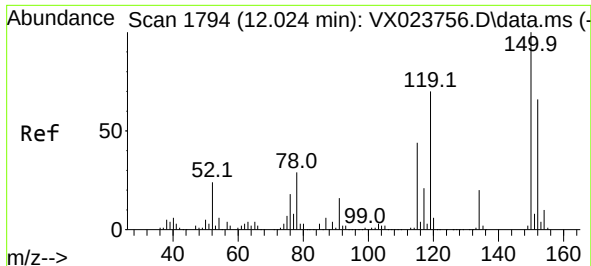
Tgt Ion:106 Resp: 7883
Ion Ratio Lower Upper
106 100
91 214.7 108.1 324.2



#70
Styrene
Concen: 0.749 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

Tgt Ion:104 Resp: 3668
Ion Ratio Lower Upper
104 100
78 76.4 40.0 60.0#
103 72.6 43.4 65.0#

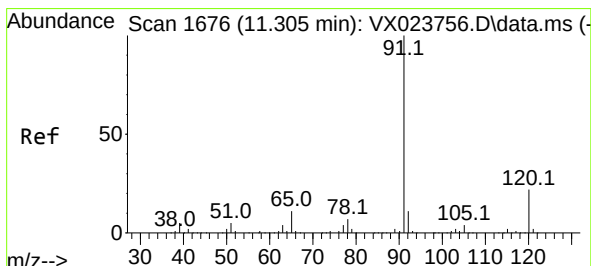
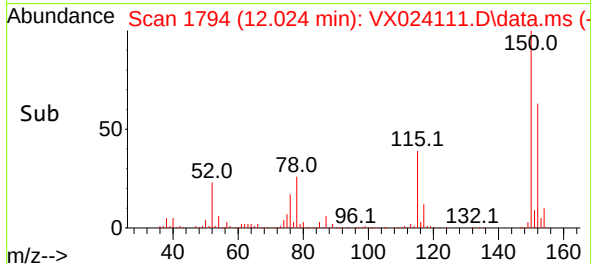
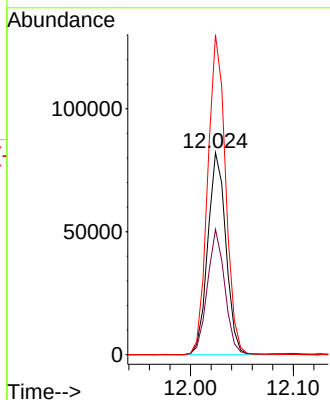
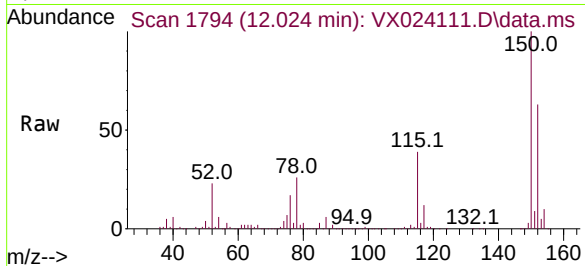




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

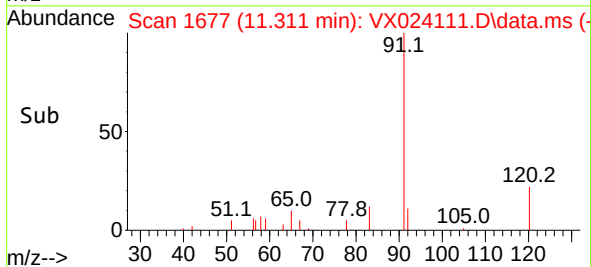
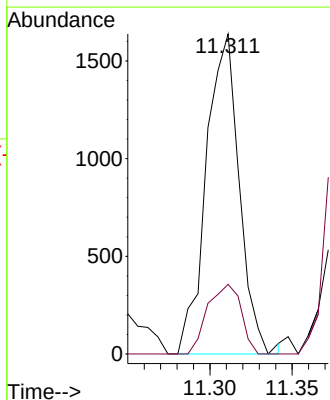
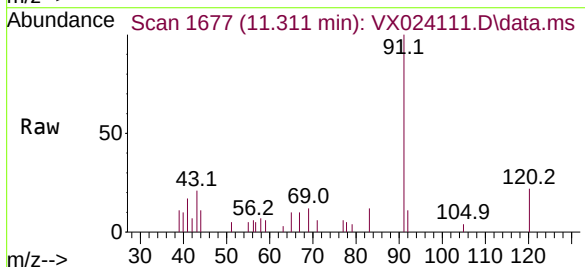
Instrument :
MSVOA_X
ClientSampleId :
1992

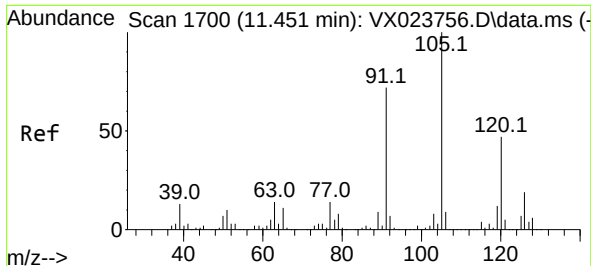
Tgt Ion:152 Resp: 100439
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 156.3 0.0 349.0



#78
n-propylbenzene
Concen: 0.262 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

Tgt Ion: 91 Resp: 2292
Ion Ratio Lower Upper
91 100
120 21.9 11.5 34.5

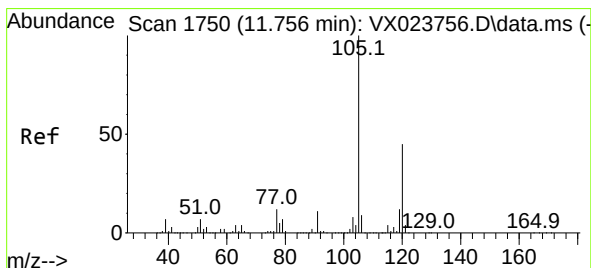
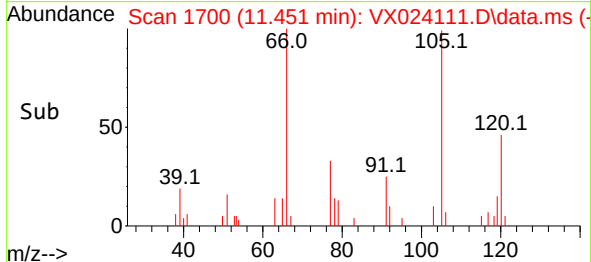
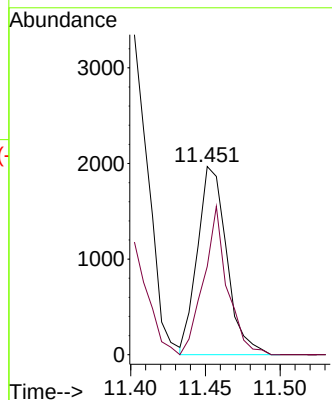
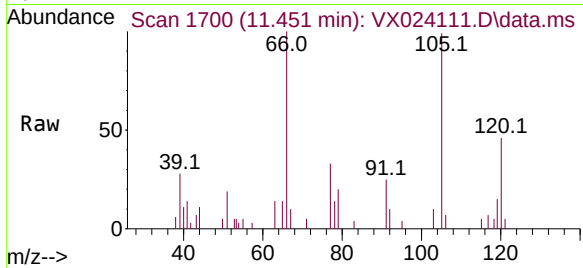




#80
1,3,5-Trimethylbenzene
Concen: 0.427 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

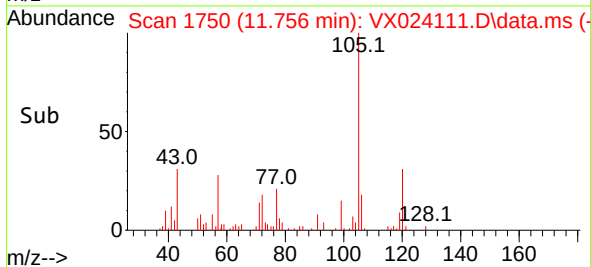
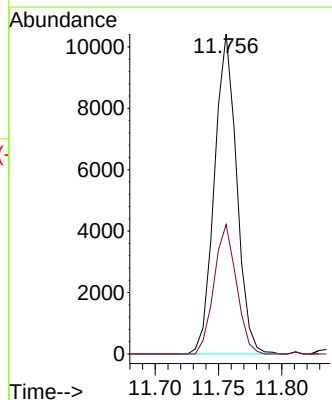
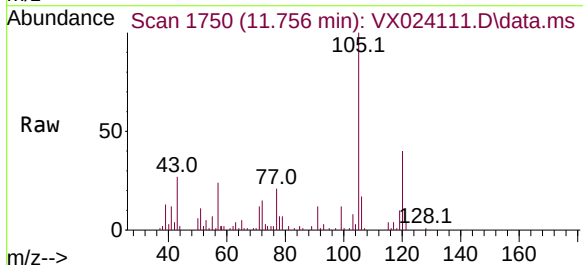
Instrument :
MSVOA_X
ClientSampleId :
1992

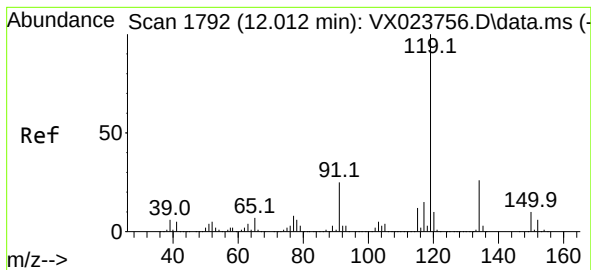
Tgt Ion:105 Resp: 2686
Ion Ratio Lower Upper
105 100
120 63.6 23.8 71.5



#84
1,2,4-Trimethylbenzene
Concen: 2.026 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX024111.D
Acq: 03 Sep 2021 18:37

Tgt Ion:105 Resp: 12715
Ion Ratio Lower Upper
105 100
120 40.7 22.4 67.3





#86
 p-Isopropyltoluene
 Concen: 0.694 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX024111.D
 Acq: 03 Sep 2021 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 1992

Tgt Ion:	119	Resp:	4422
Ion	Ratio	Lower	Upper
119	100		
134	30.6	12.9	38.7
91	28.2	11.7	35.0

