

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121220\
 Data File : VX019951.D
 Acq On : 12 Dec 2020 22:37
 Operator : JC/MD
 Sample : L4985-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 24-27

Quant Time: Dec 14 08:59:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	318624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	529524	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	488678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	219794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	201016	48.00	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.00%
35) Dibromofluoromethane	5.46	113	159382	46.57	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.14%
50) Toluene-d8	8.70	98	649484	49.71	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.42%
62) 4-Bromofluorobenzene	11.12	95	232745	46.80	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.60%

Target Compounds

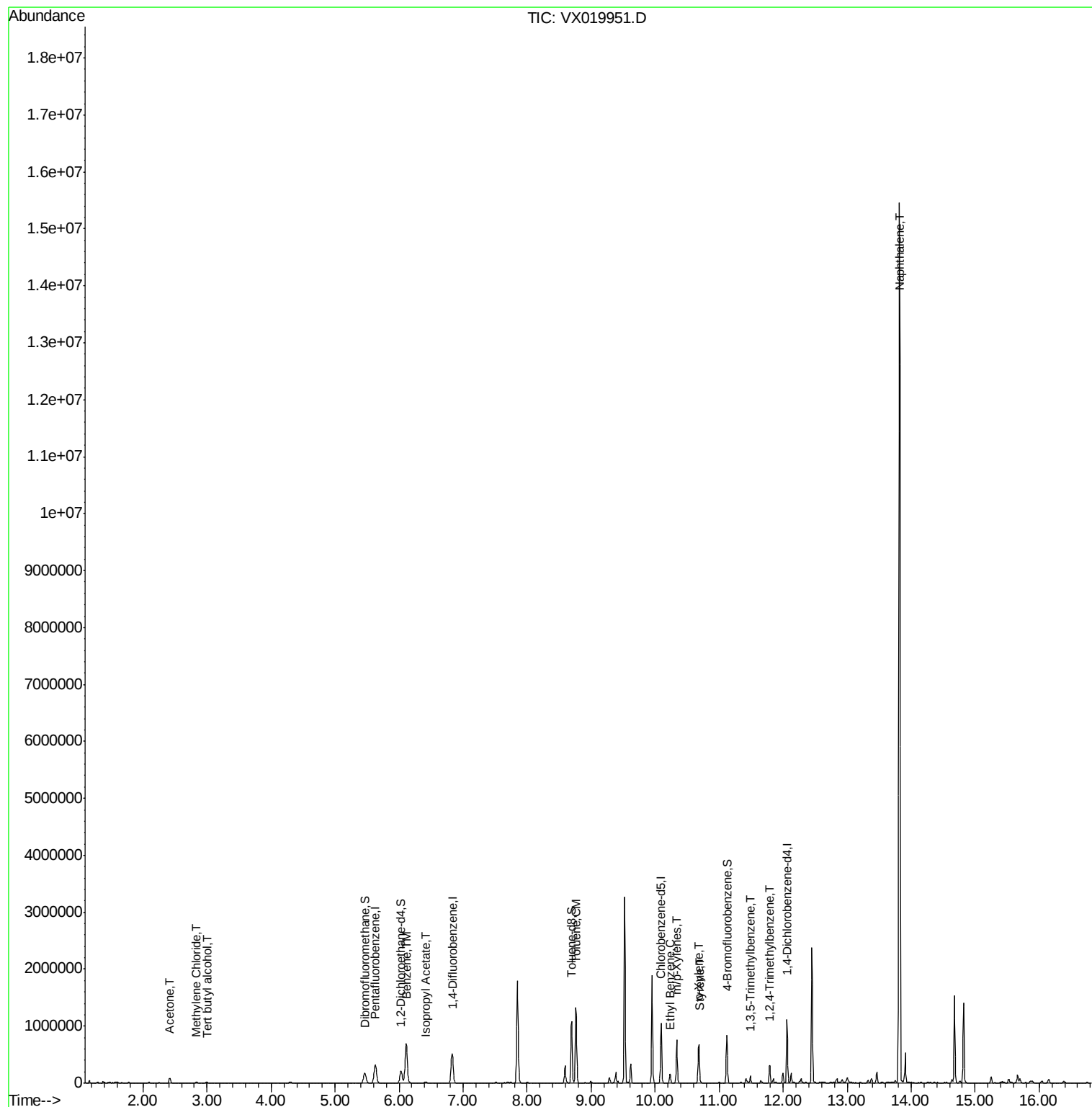
					Qvalue
11) Tert butyl alcohol	3.00	59	10020	9.121 ug/l #	84
16) Acetone	2.42	43	88609	56.294 ug/l	99
20) Methylene Chloride	2.83	84	9357	1.216 ug/l	96
40) Benzene	6.11	78	862713	59.023 ug/l	100
43) Isopropyl Acetate	6.41	43	28773	3.663 ug/l	97
52) Toluene	8.76	92	503378	55.063 ug/l	99
67) Ethyl Benzene	10.23	91	94857	5.489 ug/l	100
68) m/p-Xylenes	10.34	106	181950	27.941 ug/l	99
69) o-Xylene	10.68	106	124208	19.828 ug/l	100
70) Styrene	10.70	104	66193	6.260 ug/l #	78
80) 1,3,5-Trimethylbenzene	11.49	105	51941	4.098 ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	132596	10.387 ug/l	89
95) Naphthalene	13.82	128	9054234	624.005 ug/l	96

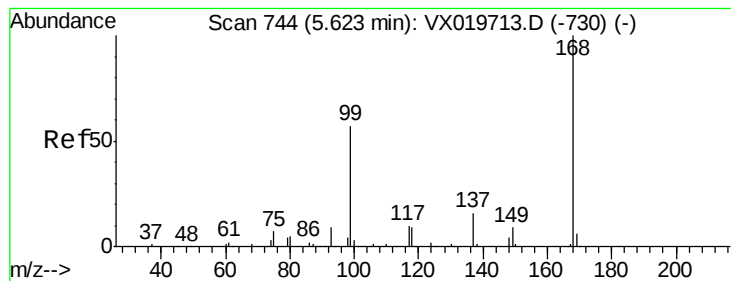
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019951.D

Acq: 12 Dec 2020 22:37

Instrument :

MSVOA_X

ClientSampleId :

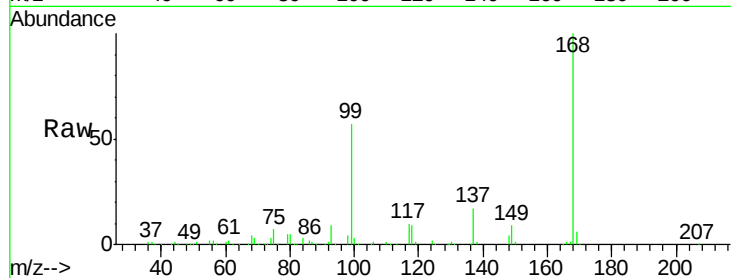
24-27

Tot Ion:168 Resp: 318624

Ion Ratio Lower Upper

168 100

99 57.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

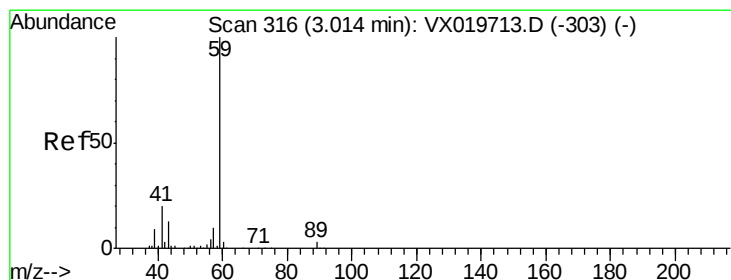
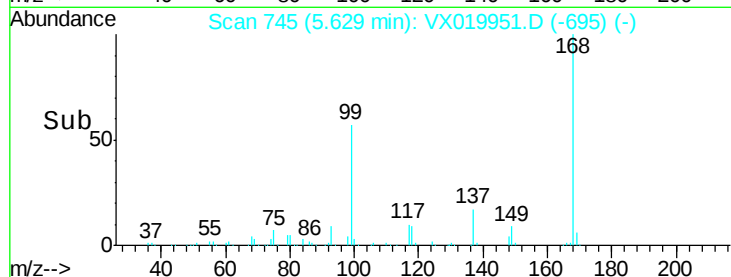
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 9.121 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019951.D

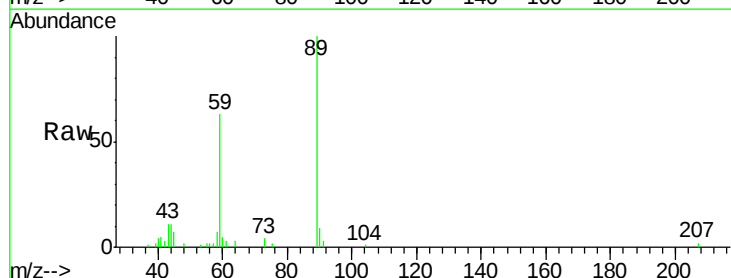
Acq: 12 Dec 2020 22:37

Tgt Ion: 59 Resp: 10020

Ion Ratio Lower Upper

59 100

57 4.1 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

4000

3000

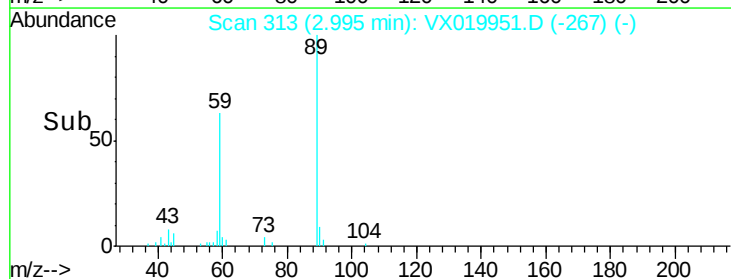
2000

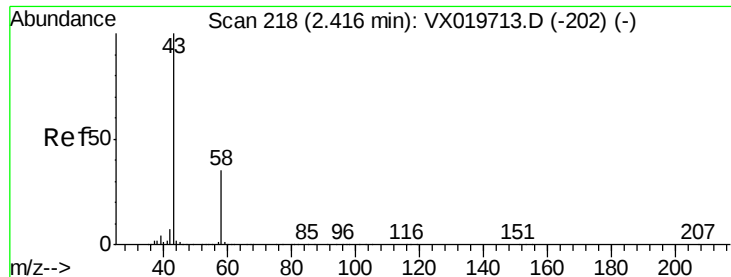
1000

0

Time-->

2.90 3.00 3.10





#16

Acetone

Concen: 56.294 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019951.D

Acq: 12 Dec 2020 22:37

Instrument :

MSVOA_X

ClientSampled :

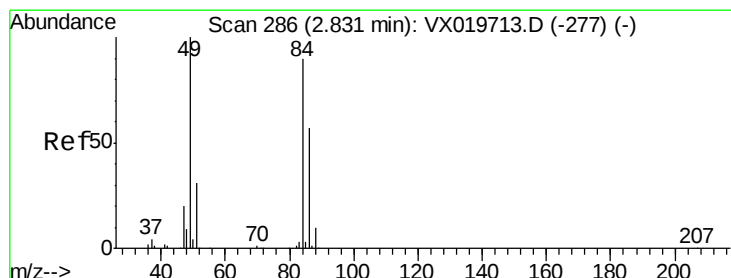
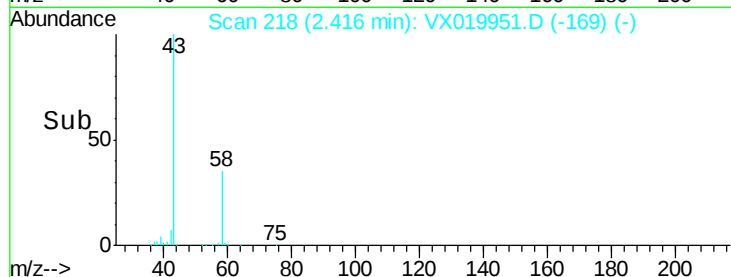
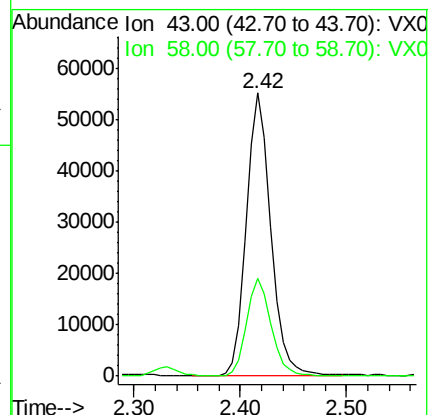
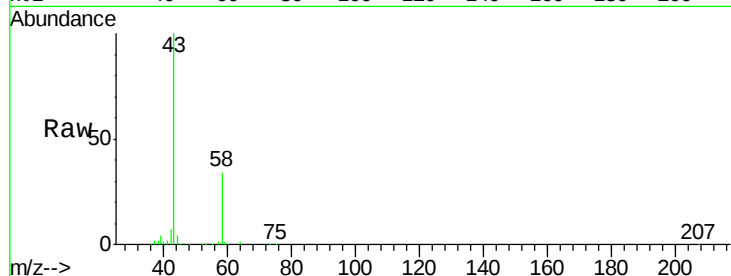
24-27

Tot Ion: 43 Resp: 88609

Ion Ratio Lower Upper

43 100

58 34.4 27.8 41.8



#20

Methylene Chloride

Concen: 1.216 ug/l

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019951.D

Acq: 12 Dec 2020 22:37

Tgt Ion: 84 Resp: 9357

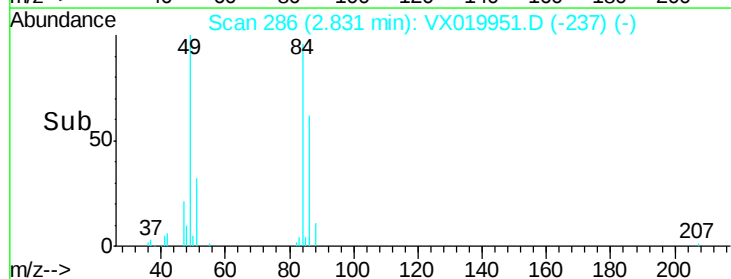
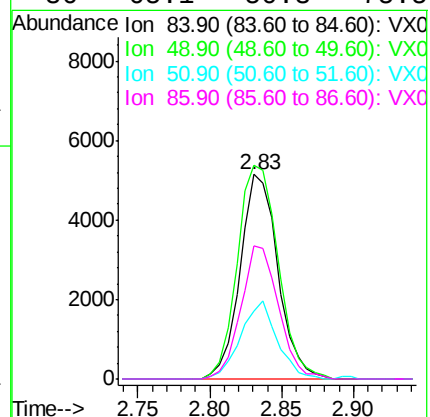
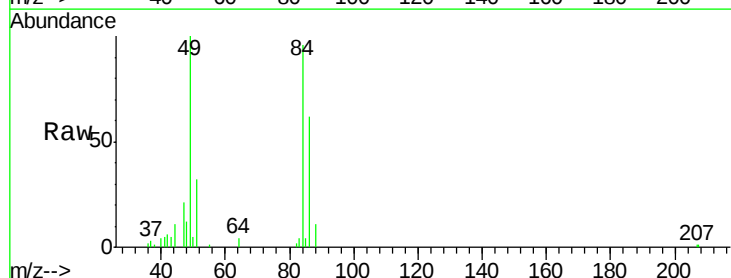
Ion Ratio Lower Upper

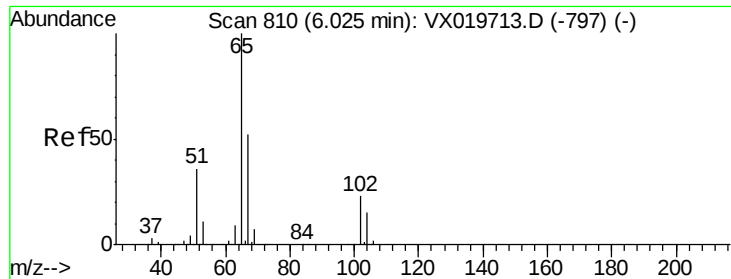
84 100

49 104.4 88.6 132.8

51 32.9 27.0 40.6

86 65.1 50.3 75.5

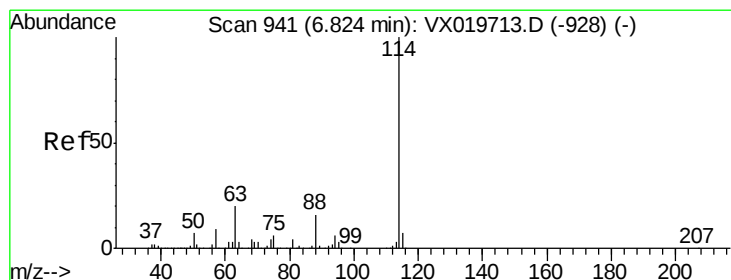
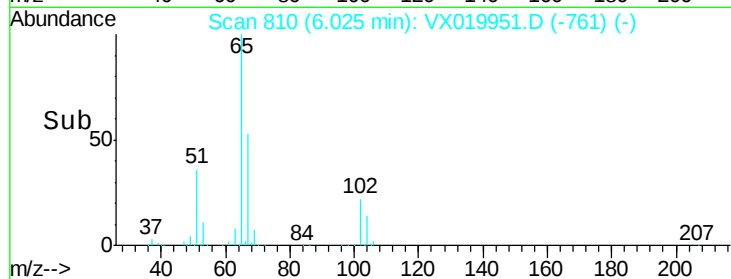
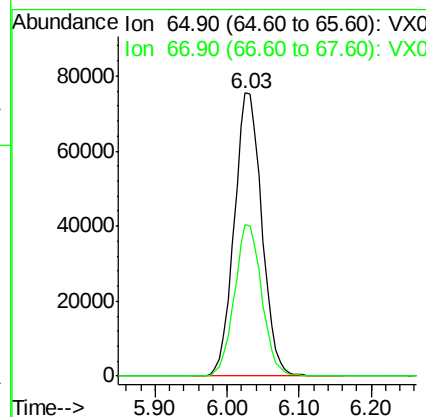
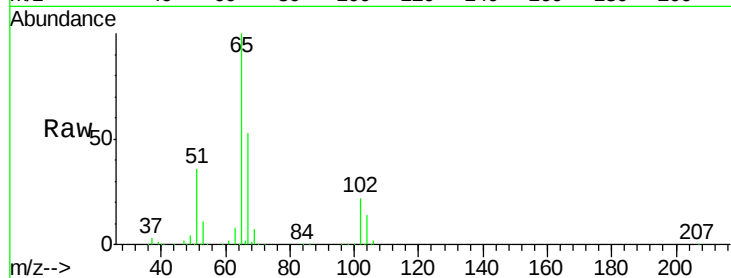




#33
 1,2-Dichloroethane-d4
 Concen: 48.002 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX019951.D
 Acq: 12 Dec 2020 22:37

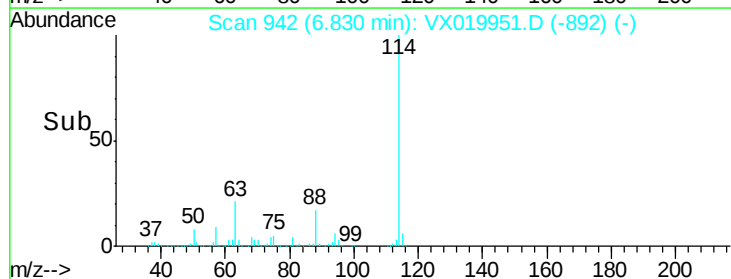
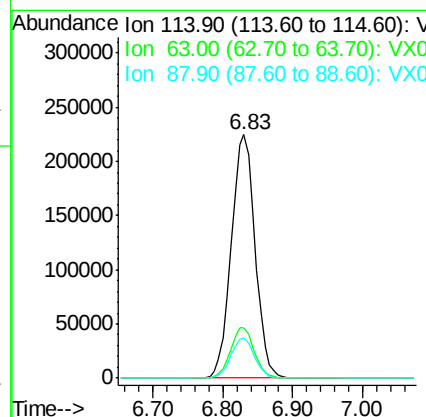
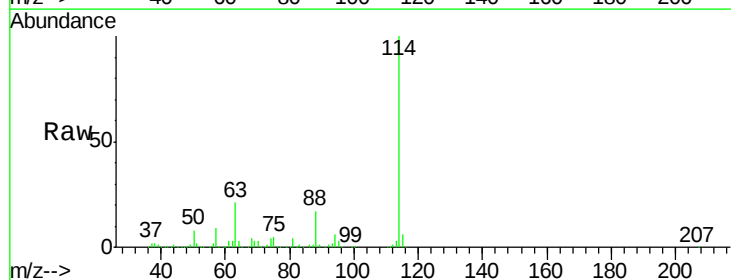
Instrument :
 MSVOA_X
 ClientSampleId :
 24-27

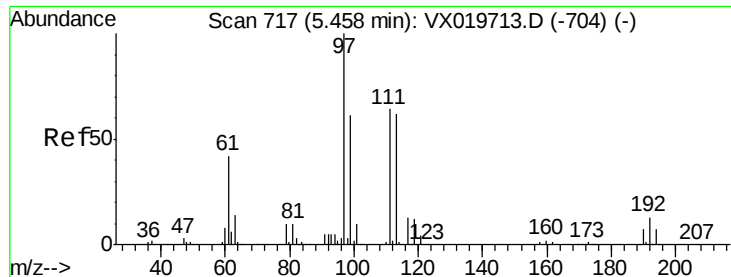
Tot Ion: 65 Resp: 201016
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019951.D
 Acq: 12 Dec 2020 22:37

Tgt Ion: 114 Resp: 529524
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 16.5 0.0 32.8

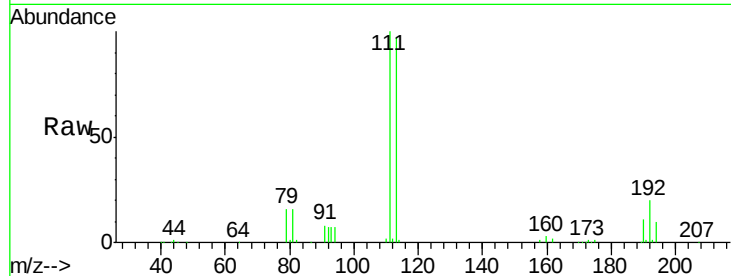




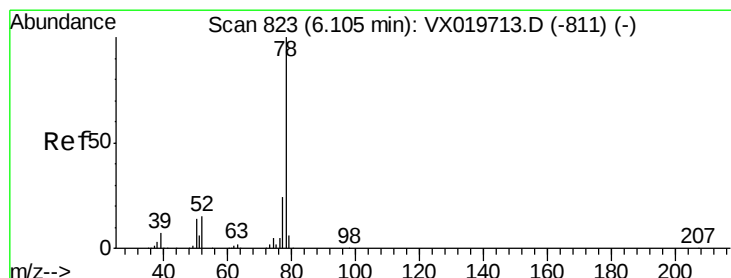
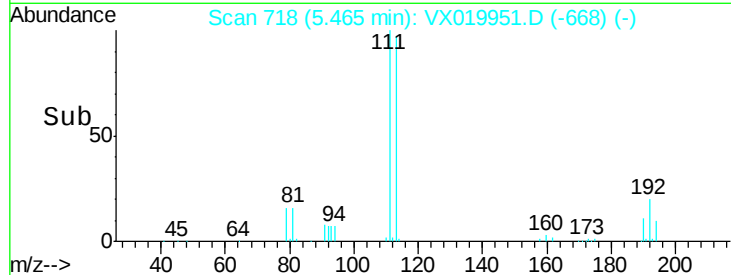
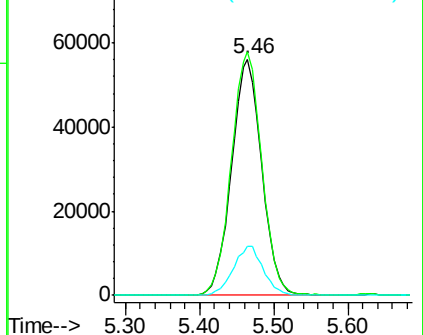
#35
 Dibromofluoromethane
 Concen: 46.572 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019951.D
 Acq: 12 Dec 2020 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 24-27

Tot Ion:113 Resp: 159382
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.9 122.9
 192 20.6 16.7 25.1

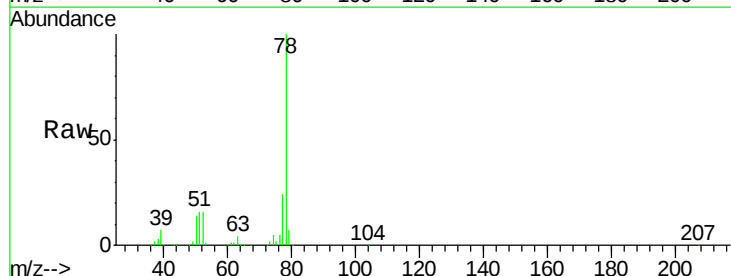


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

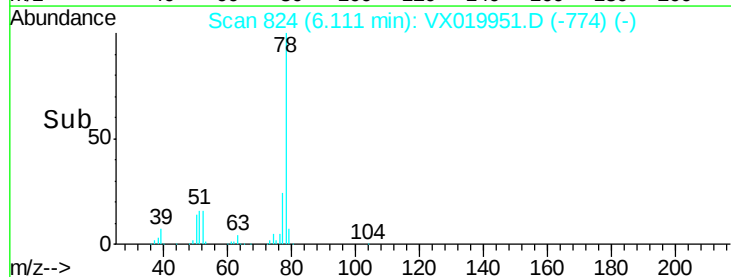
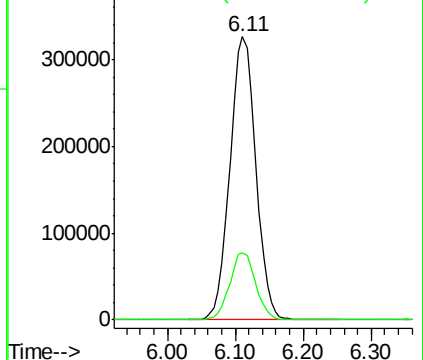


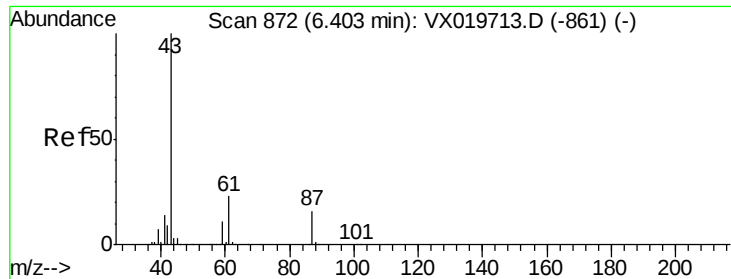
#40
 Benzene
 Concen: 59.023 ug/l
 RT: 6.11 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VX019951.D
 Acq: 12 Dec 2020 22:37

Tgt Ion: 78 Resp: 862713
 Ion Ratio Lower Upper
 78 100
 77 23.8 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0





#43

Isopropyl Acetate

Concen: 3.663 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019951.D

Acq: 12 Dec 2020 22:37

Instrument :

MSVOA_X

ClientSampleId :

24-27

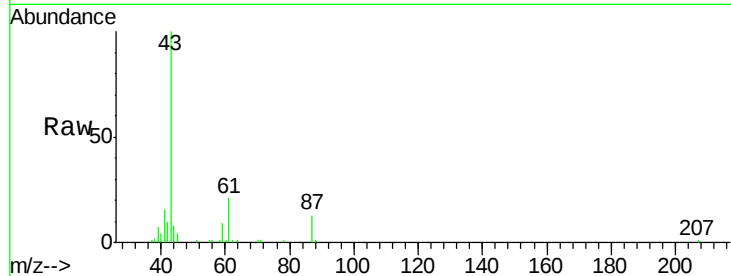
Tot Ion: 43 Resp: 28773

Ion Ratio Lower Upper

43 100

61 22.3 18.2 27.4

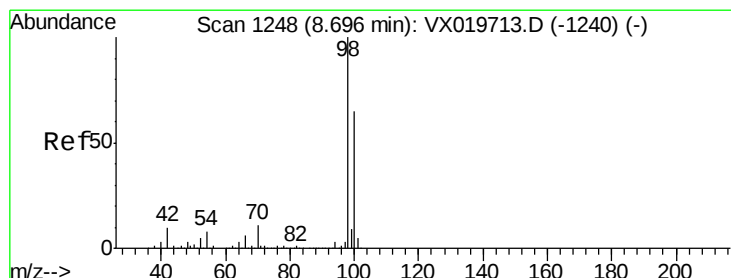
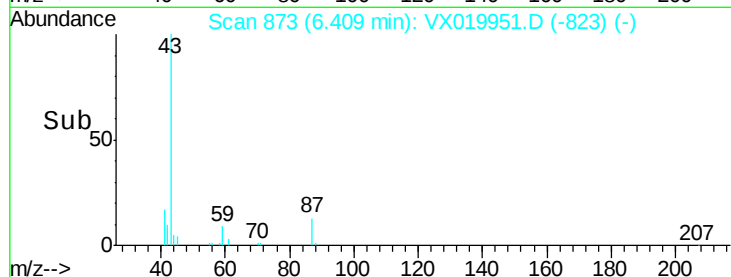
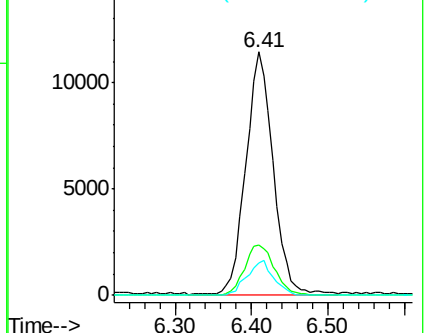
87 13.6 12.5 18.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 49.711 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019951.D

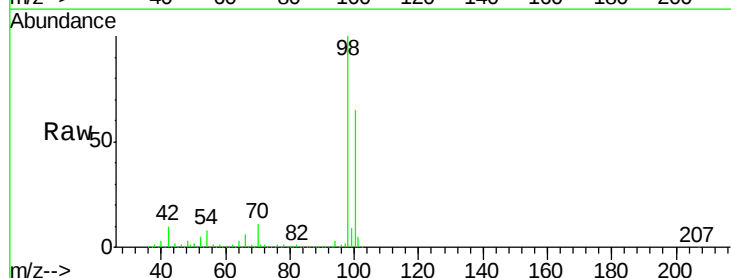
Acq: 12 Dec 2020 22:37

Tgt Ion: 98 Resp: 649484

Ion Ratio Lower Upper

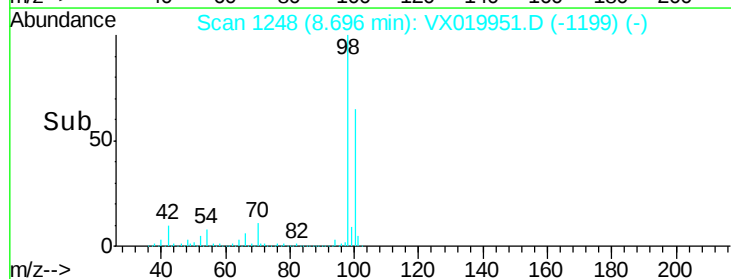
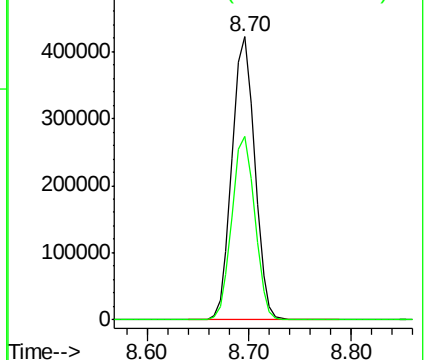
98 100

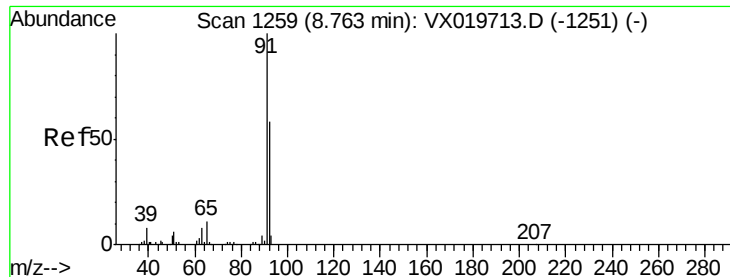
100 65.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 55.063 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019951.D

Acq: 12 Dec 2020 22:37

Instrument :

MSVOA_X

ClientSampleId :

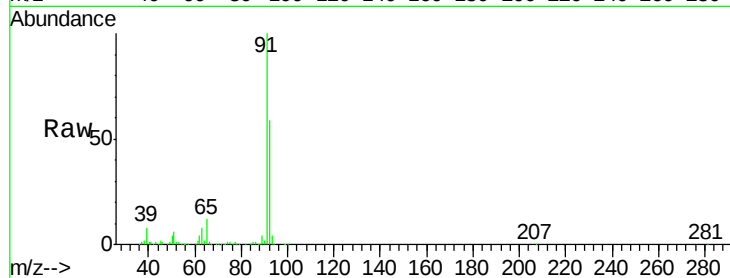
24-27

Tot Ion: 92 Resp: 503378

Ion Ratio Lower Upper

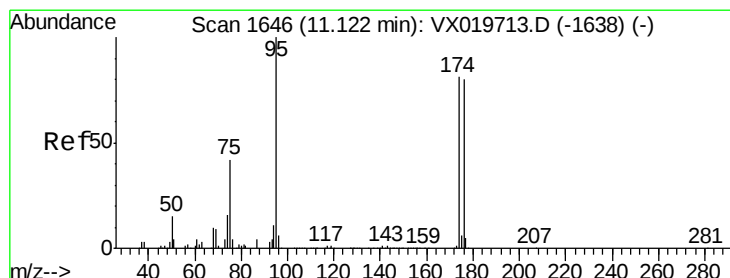
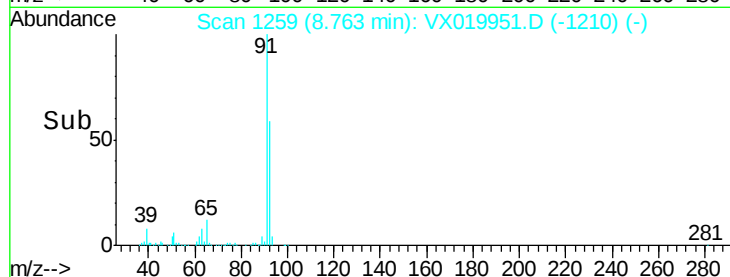
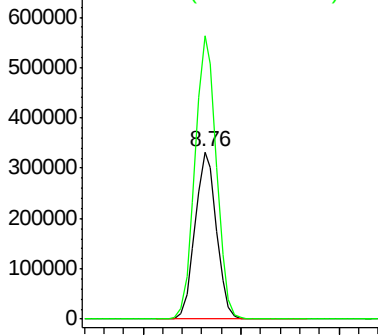
92 100

91 170.0 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.804 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019951.D

Acq: 12 Dec 2020 22:37

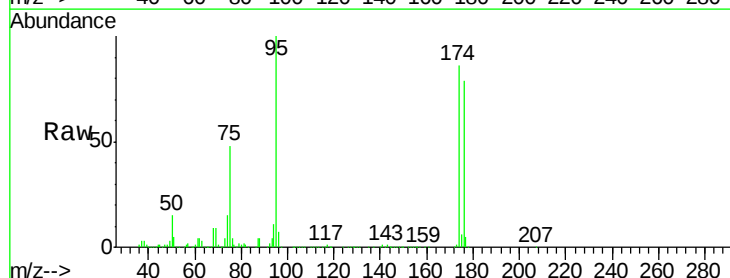
Tgt Ion: 95 Resp: 232745

Ion Ratio Lower Upper

95 100

174 78.3 0.0 154.6

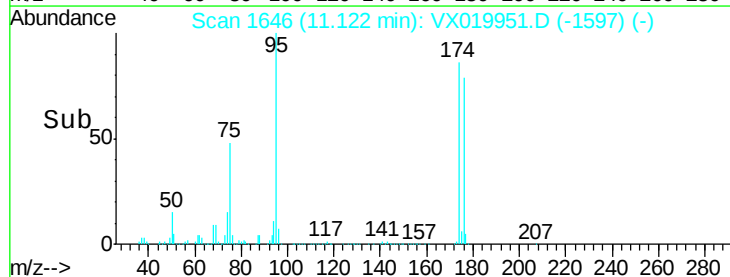
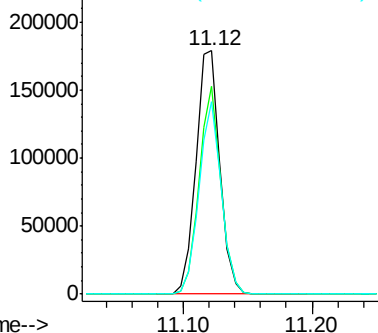
176 74.1 0.0 155.8

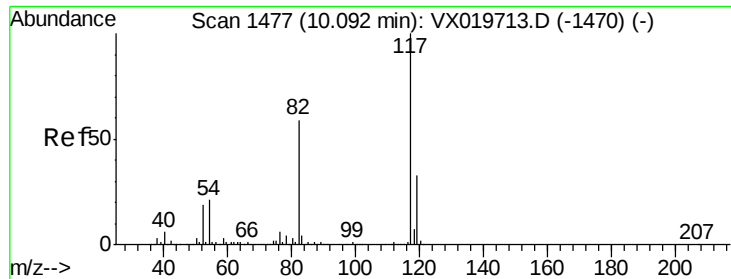


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

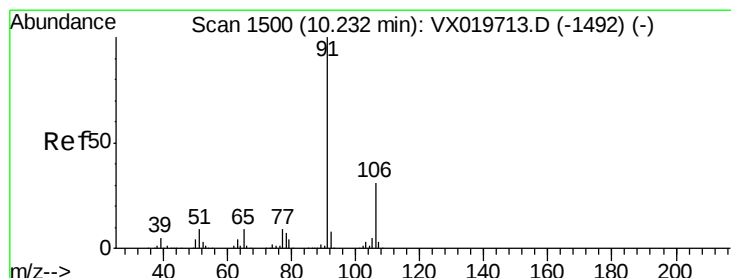
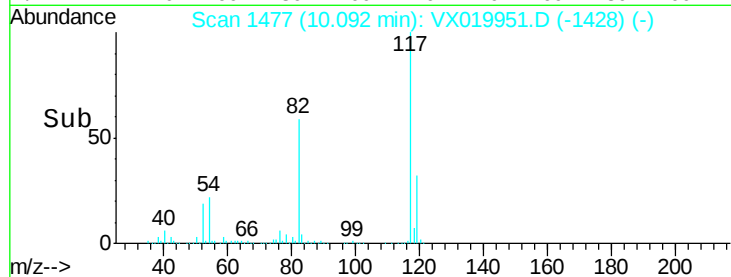
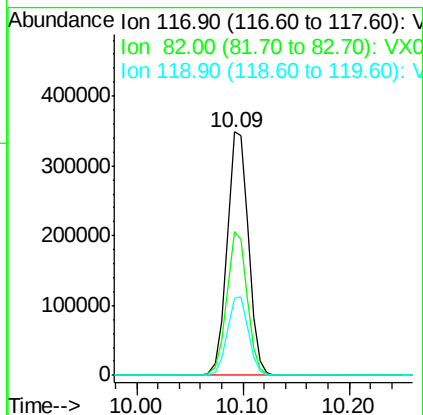
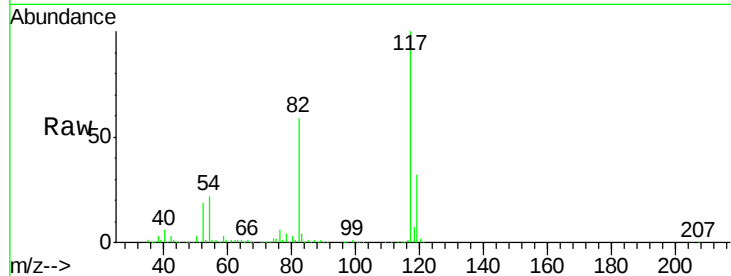




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX019951.D
Acq: 12 Dec 2020 22:37

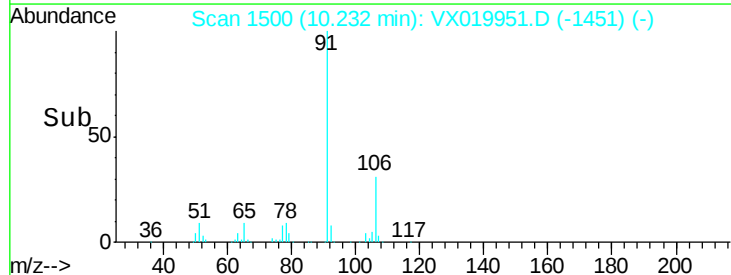
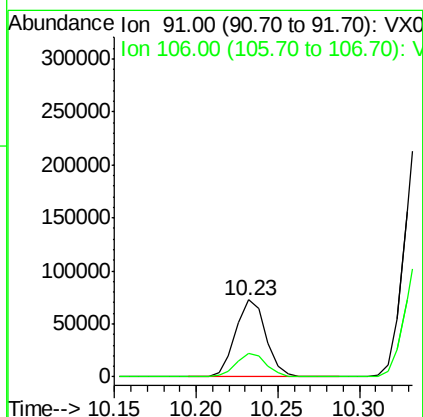
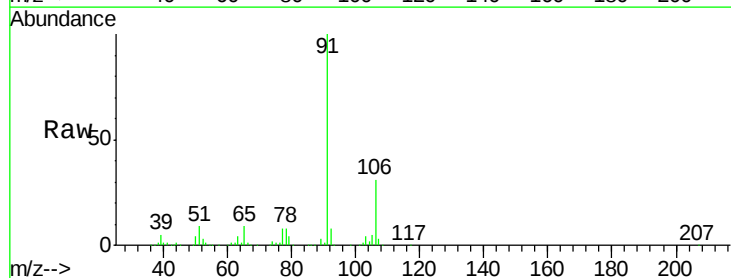
Instrument :
MSVOA_X
ClientSampled :
24-27

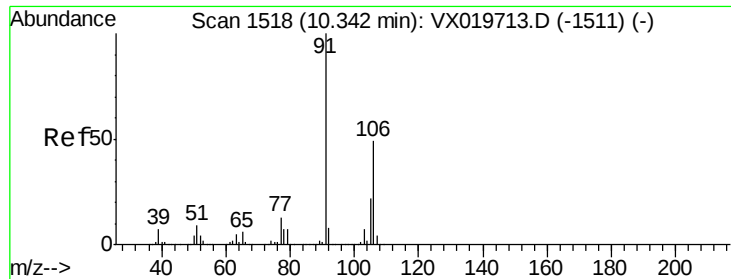
Tot Ion:117 Resp: 488678
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 31.7 26.6 39.8



#67
Ethyl Benzene
Concen: 5.489 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019951.D
Acq: 12 Dec 2020 22:37

Tgt Ion: 91 Resp: 94857
Ion Ratio Lower Upper
91 100
106 30.5 24.6 37.0





#68

m/p-Xylenes

Concen: 27.941 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019951.D

Acq: 12 Dec 2020 22:37

Instrument :

MSVOA_X

ClientSampleId :

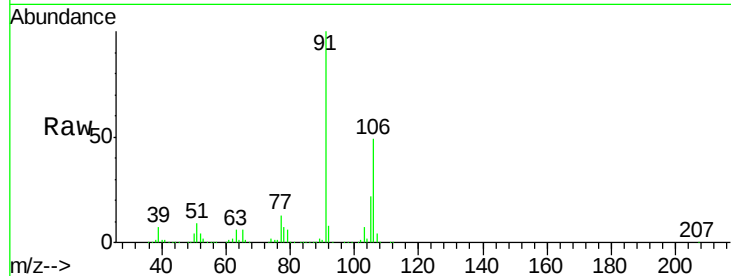
24-27

Tot Ion:106 Resp: 181950

Ion Ratio Lower Upper

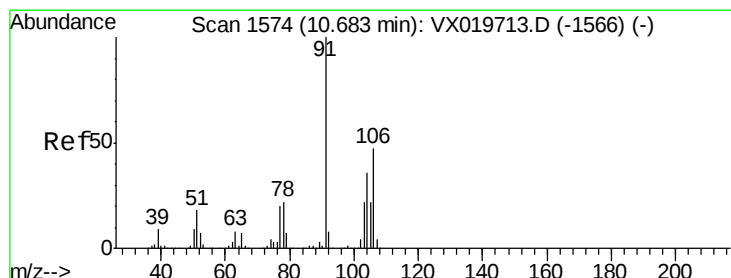
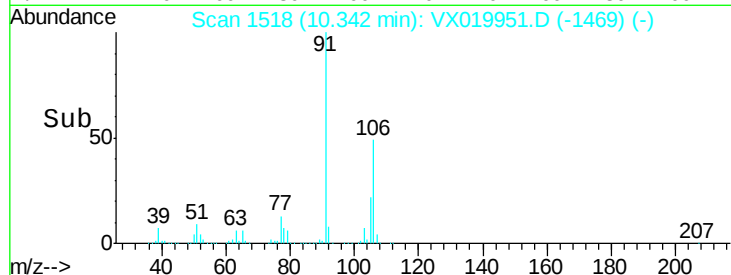
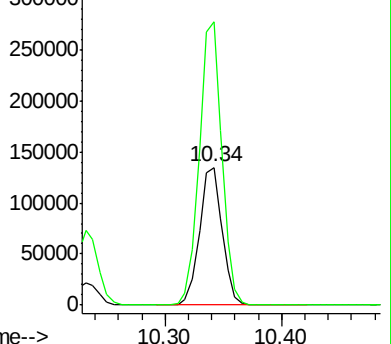
106 100

91 205.2 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 19.828 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX019951.D

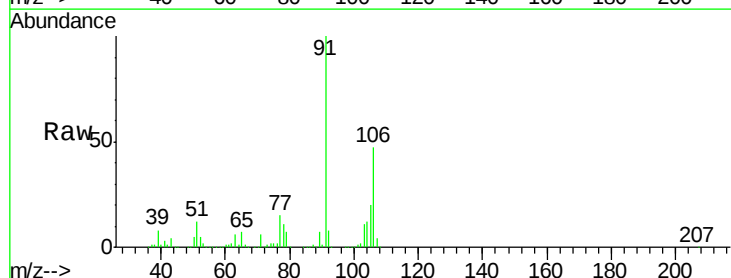
Acq: 12 Dec 2020 22:37

Tgt Ion:106 Resp: 124208

Ion Ratio Lower Upper

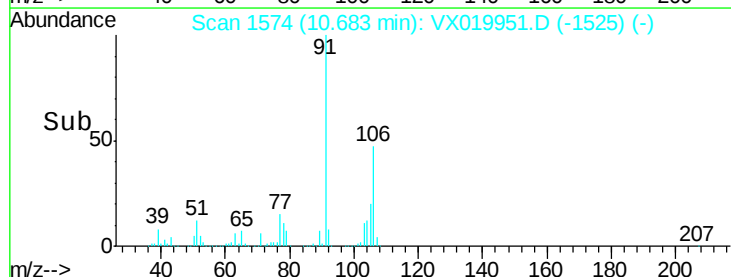
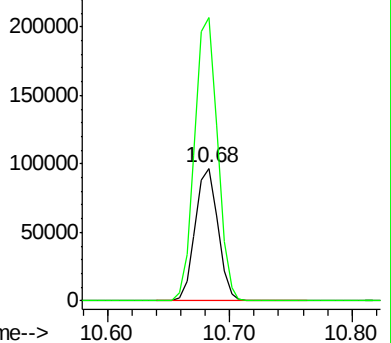
106 100

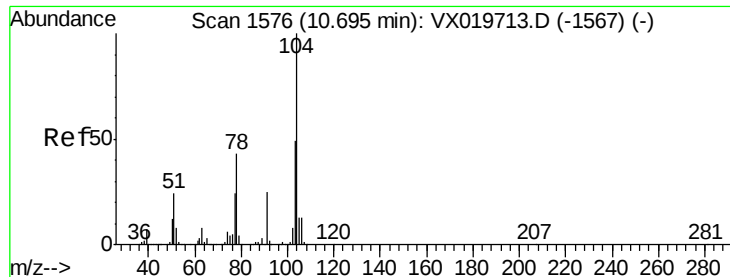
91 216.4 108.1 324.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 6.260 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX019951.D

Acq: 12 Dec 2020 22:37

Instrument :

MSVOA_X

ClientSampleId :

24-27

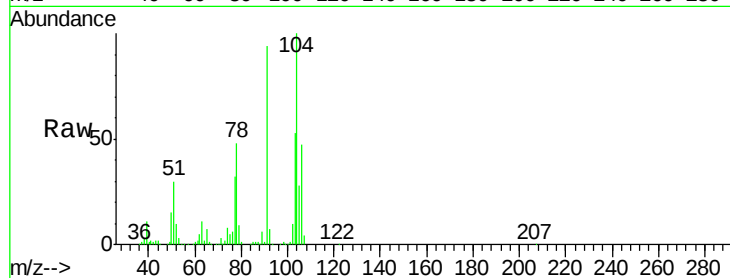
Tot Ion:104 Resp: 66193

Ion Ratio Lower Upper

104 100

78 65.5 40.0 60.0#

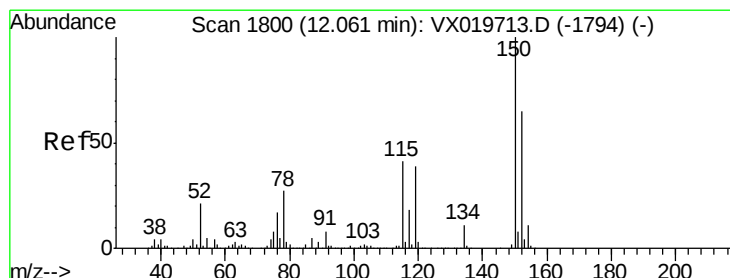
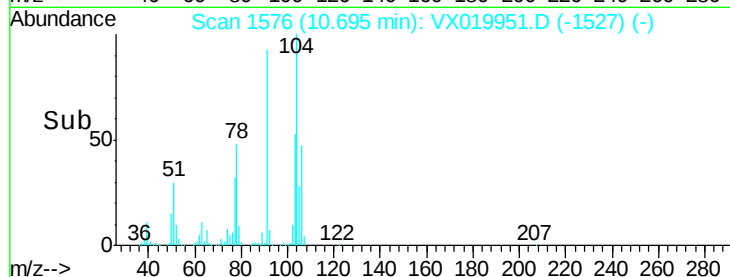
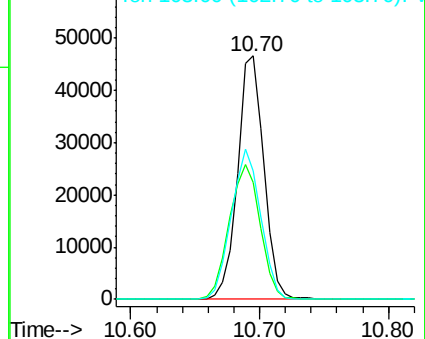
103 69.5 43.4 65.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019951.D

Acq: 12 Dec 2020 22:37

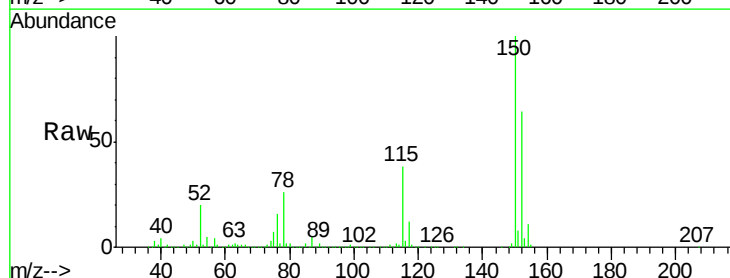
Tgt Ion:152 Resp: 219794

Ion Ratio Lower Upper

152 100

115 60.0 41.1 123.3

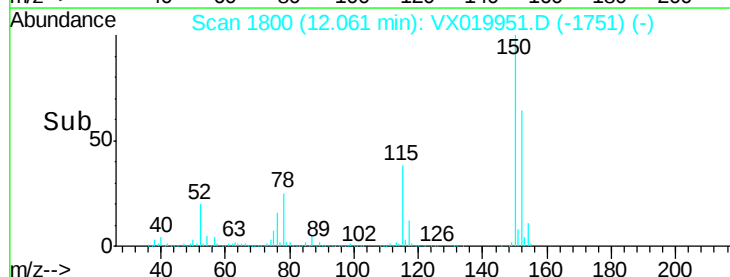
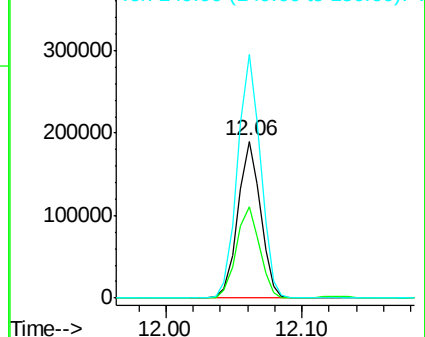
150 158.2 0.0 349.0

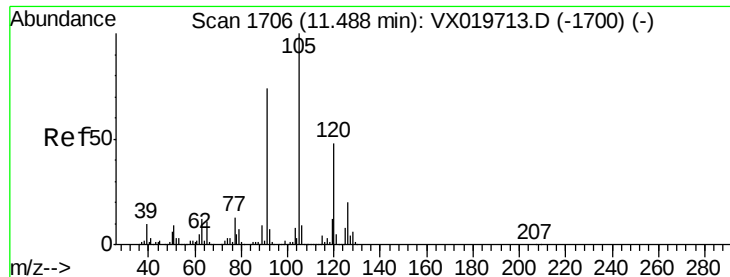


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#80

1,3,5-Trimethylbenzene

Concen: 4.098 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019951.D

Acq: 12 Dec 2020 22:37

Instrument :

MSVOA_X

ClientSampled :

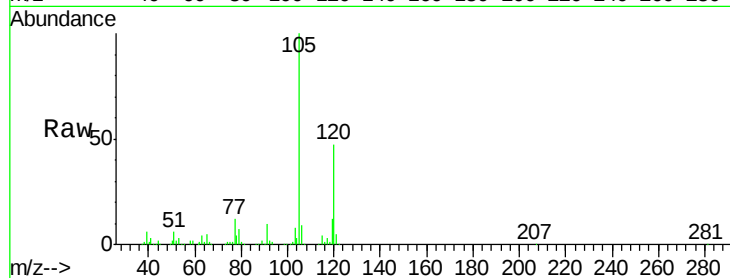
24-27

Tot Ion:105 Resp: 51941

Ion Ratio Lower Upper

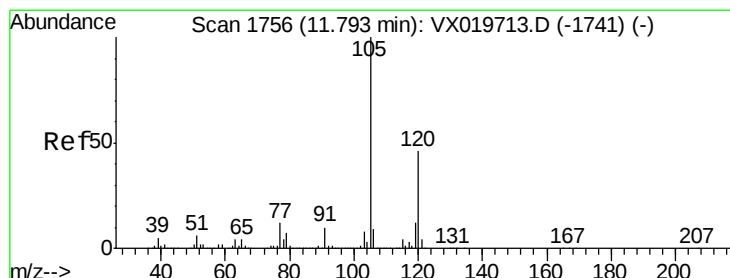
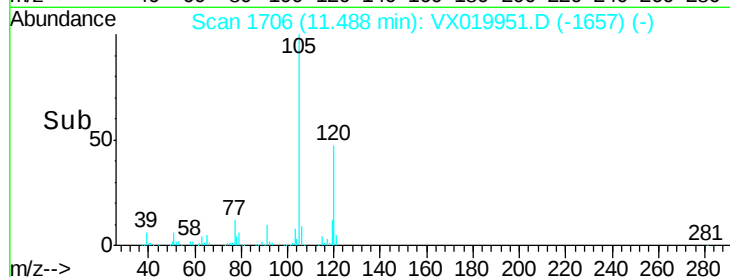
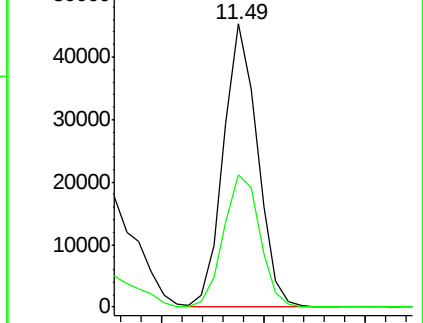
105 100

120 49.9 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 10.387 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019951.D

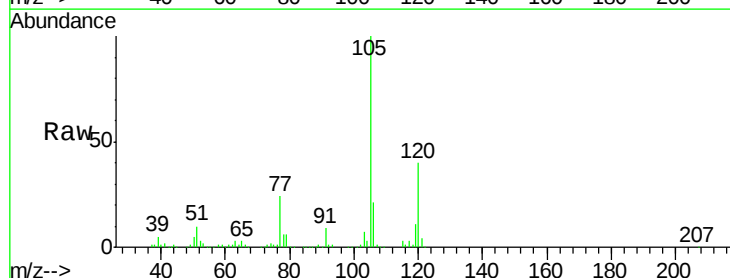
Acq: 12 Dec 2020 22:37

Tgt Ion:105 Resp: 132596

Ion Ratio Lower Upper

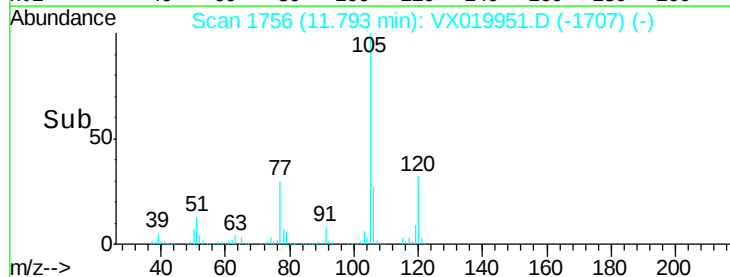
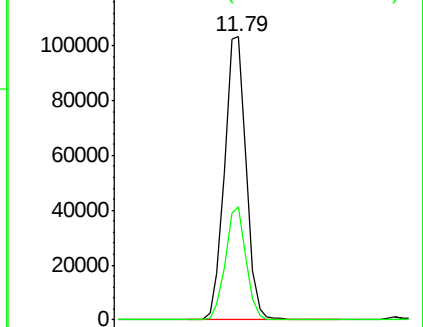
105 100

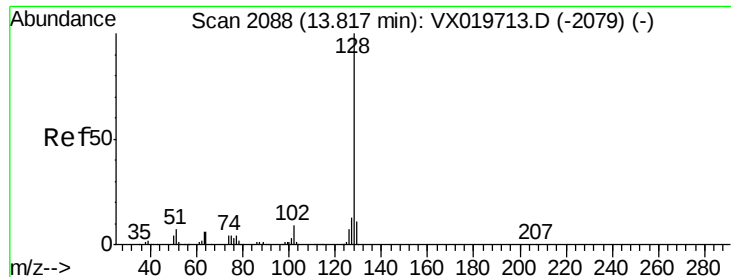
120 37.9 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 624.005 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019951.D
Acq: 12 Dec 2020 22:37

Instrument :
MSVOA_X
ClientSampleId :
24-27

Tot Ion:128 Resp: 9054234
Ion Ratio Lower Upper
128 100
127 14.2 10.3 15.5
129 12.4 8.8 13.2

