

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019523.D
 Acq On : 21 Nov 2020 03:34
 Operator : JC/MD
 Sample : L4779-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1654-1658

Quant Time: Nov 21 06:52:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	303583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	504336	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	436586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	199815	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	183781	46.69	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.38%		
35) Dibromofluoromethane	5.46	113	147916	46.72	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.44%		
50) Toluene-d8	8.70	98	593764	48.27	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.54%		
62) 4-Bromofluorobenzene	11.12	95	212840	48.09	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.18%		

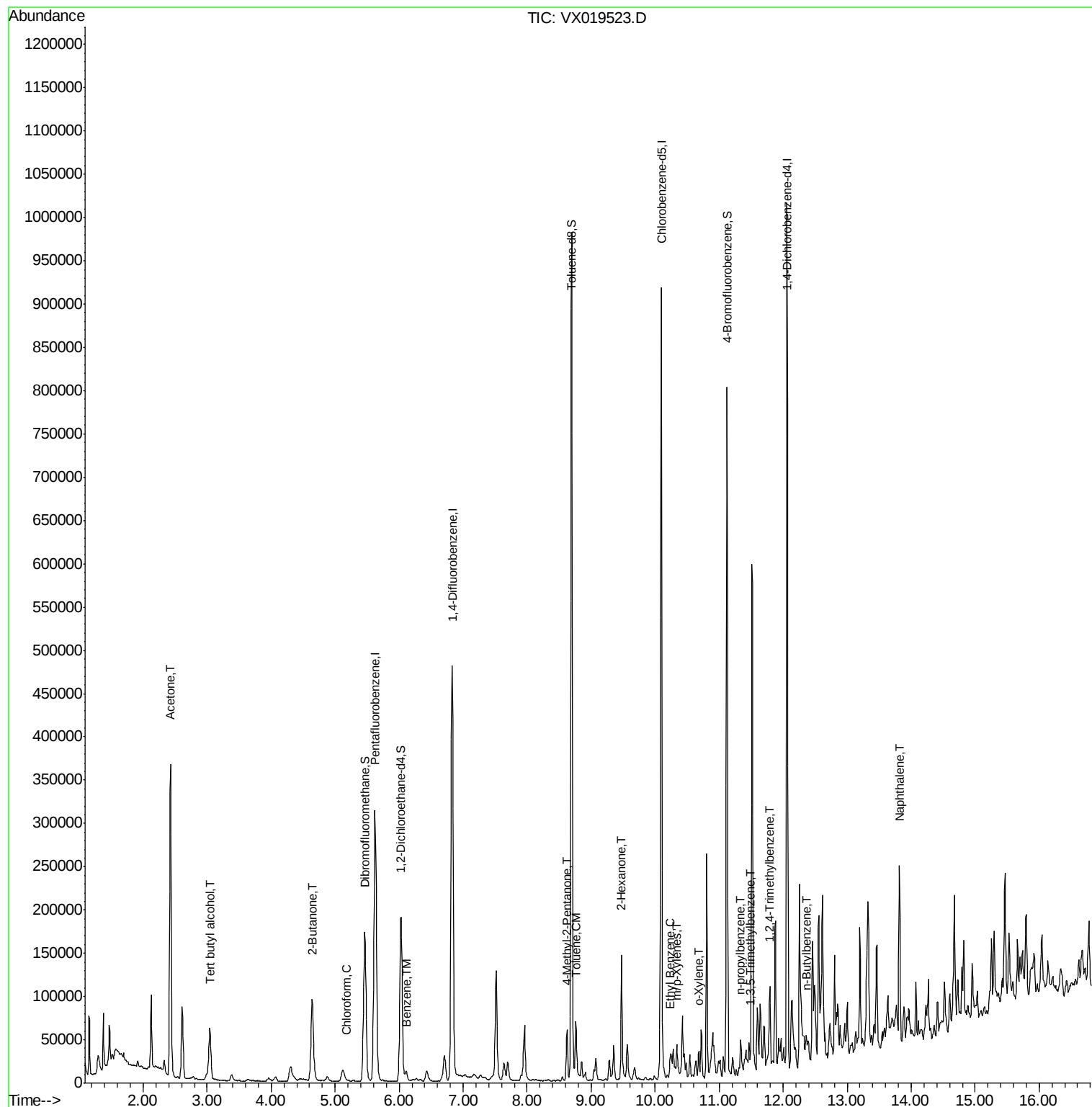
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	87614	117.614	ug/l	99
16) Acetone	2.43	43	375213	246.493	ug/l	99
25) 2-Butanone	4.64	43	165549	72.398	ug/l	100
30) Chloroform	5.18	83	1621	0.259	ug/l	89
40) Benzene	6.11	78	13506	0.930	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	32966	7.577	ug/l	98
52) Toluene	8.76	92	15891	1.788	ug/l	97
59) 2-Hexanone	9.48	43	74205	22.487	ug/l	100
67) Ethyl Benzene	10.23	91	8798	0.559	ug/l	98
68) m/p-Xylenes	10.34	106	7987	1.363	ug/l	100
69) o-Xylene	10.68	106	5884	1.051	ug/l	98
78) n-propylbenzene	11.34	91	3856	0.243	ug/l	94
80) 1,3,5-Trimethylbenzene	11.49	105	4797	0.414	ug/l	95
84) 1,2,4-Trimethylbenzene	11.79	105	25692	2.190	ug/l	96
89) n-Butylbenzene	12.37	91	3906	0.357	ug/l #	40
95) Naphthalene	13.82	128	126565	10.391	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019523.D

Acq: 21 Nov 2020 03:34

Instrument :

MSVOA_X

ClientSampleId :

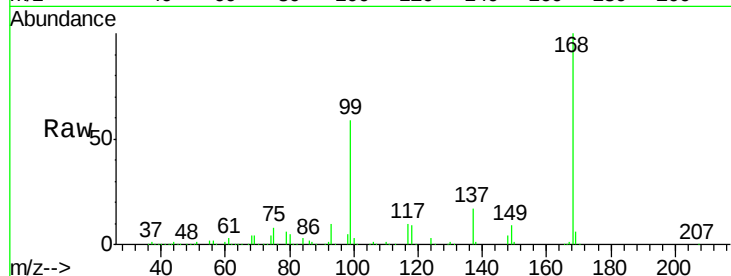
COMP-1654-1658

Tot Ion:168 Resp: 303583

Ion Ratio Lower Upper

168 100

99 59.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

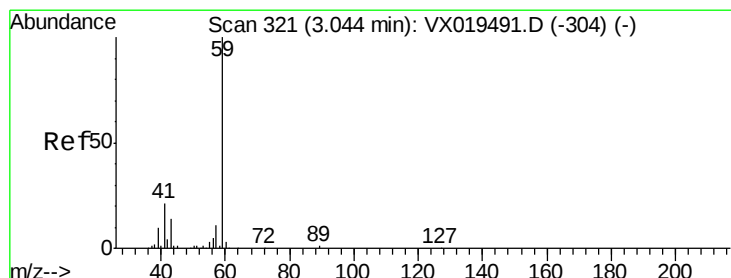
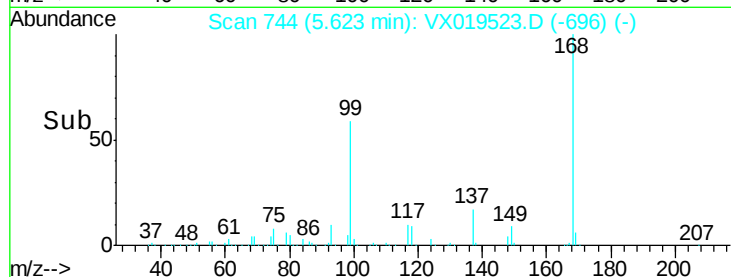
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 117.614 ug/l

RT: 3.04 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX019523.D

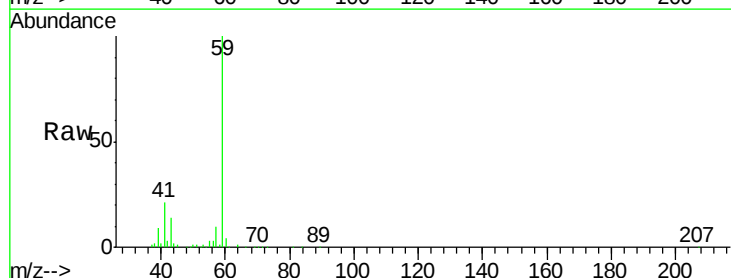
Acq: 21 Nov 2020 03:34

Tgt Ion: 59 Resp: 87614

Ion Ratio Lower Upper

59 100

57 9.4 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

40000

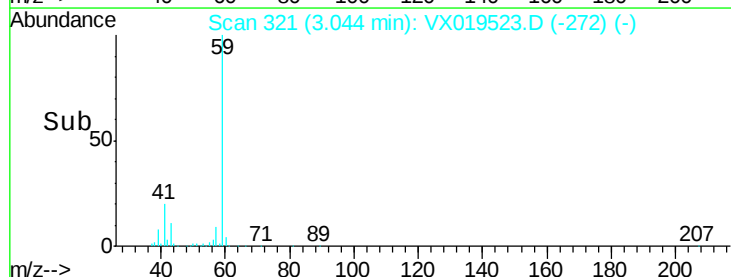
30000

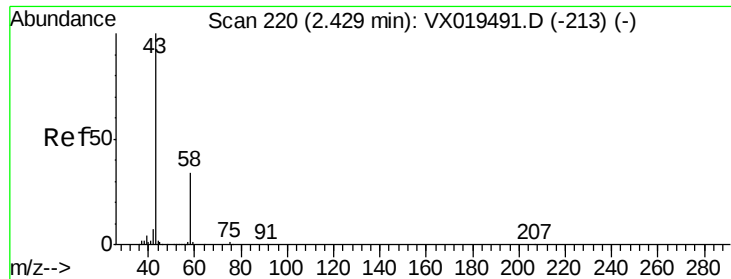
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10000

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Time-->

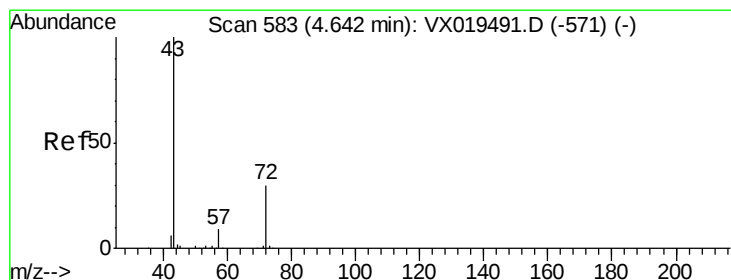
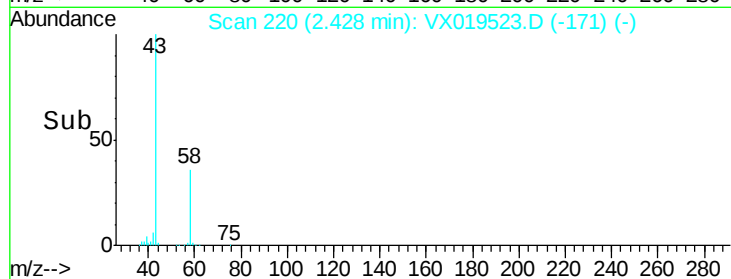
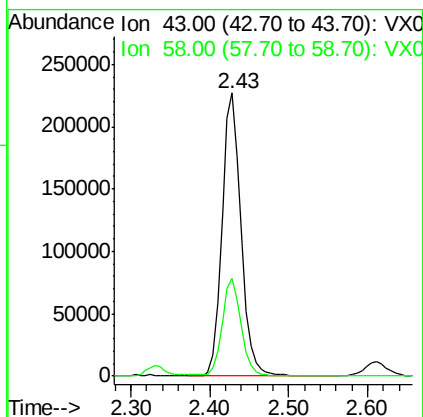
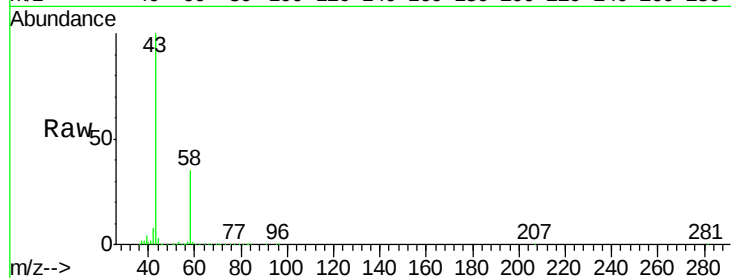




#16
Acetone
Concen: 246.493 ug/l
RT: 2.43 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX019523.D
Acq: 21 Nov 2020 03:34

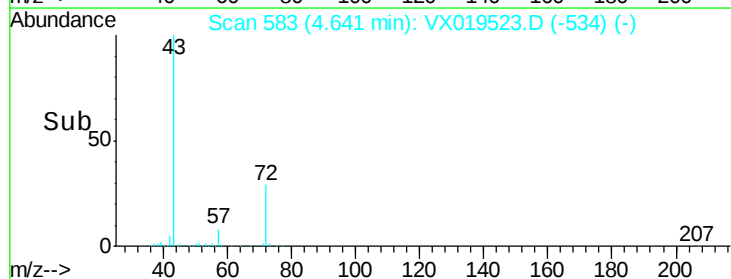
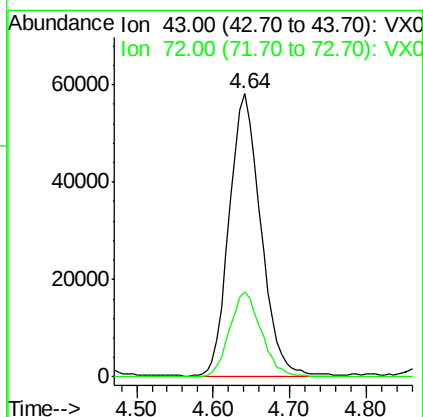
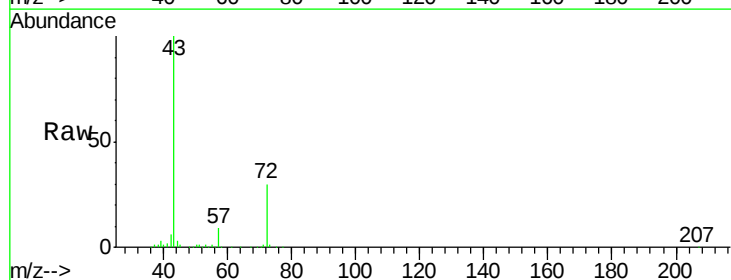
Instrument :
MSVOA_X
ClientSampleId :
COMP-1654-1658

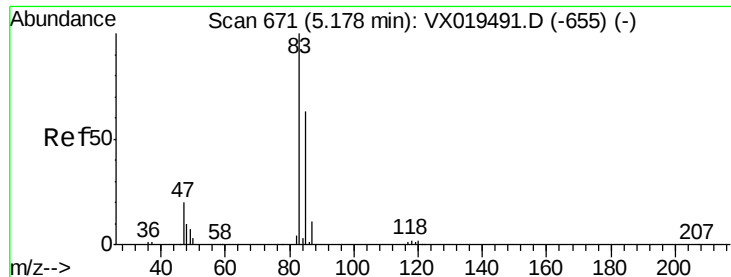
Tot Ion: 43 Resp: 375213
Ion Ratio Lower Upper
43 100
58 34.6 27.4 41.2



#25
2-Butanone
Concen: 72.398 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX019523.D
Acq: 21 Nov 2020 03:34

Tgt Ion: 43 Resp: 165549
Ion Ratio Lower Upper
43 100
72 30.1 24.0 36.0

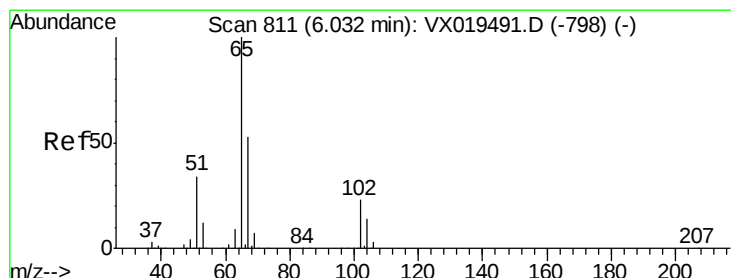
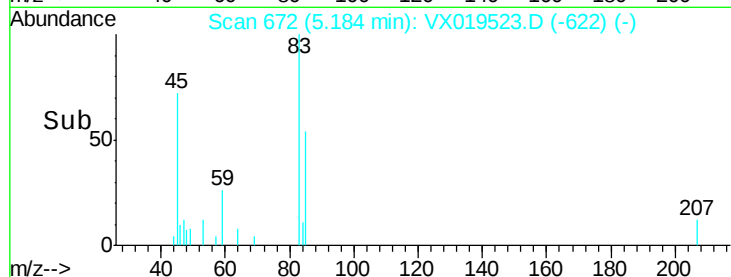
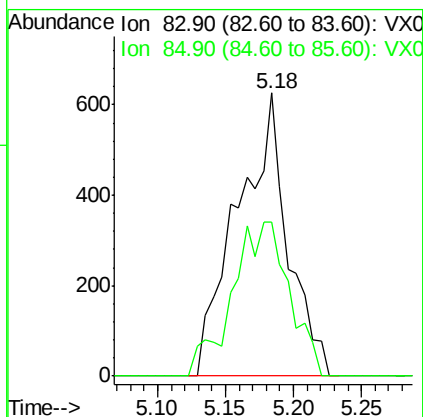
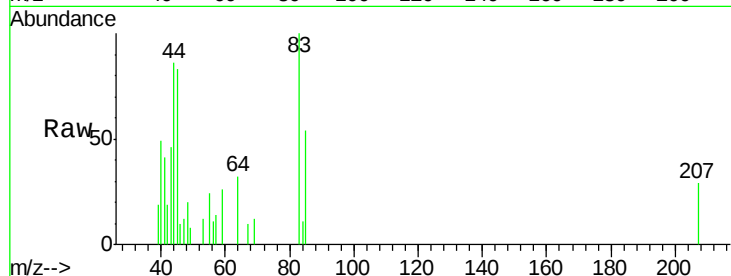




#30
Chloroform
Concen: 0.259 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX019523.D
Acq: 21 Nov 2020 03:34

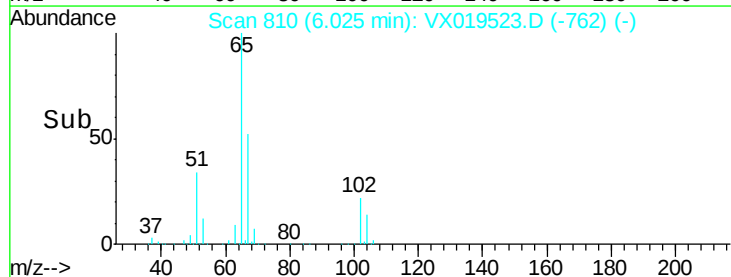
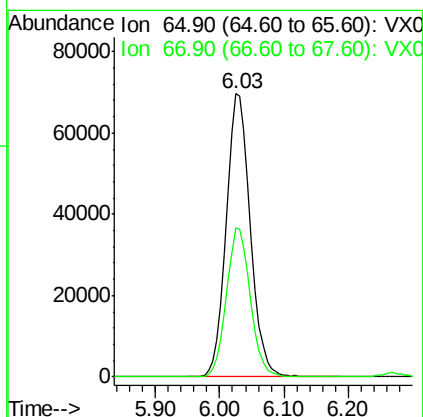
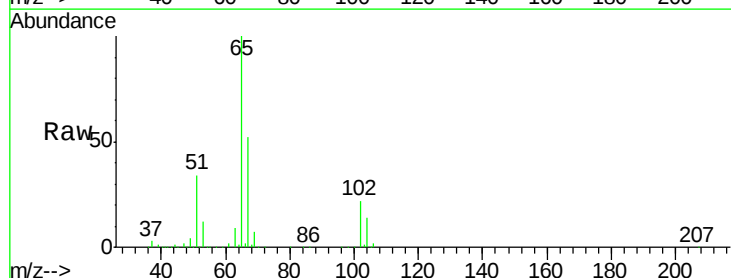
Instrument :
MSVOA_X
ClientSampleId :
COMP-1654-1658

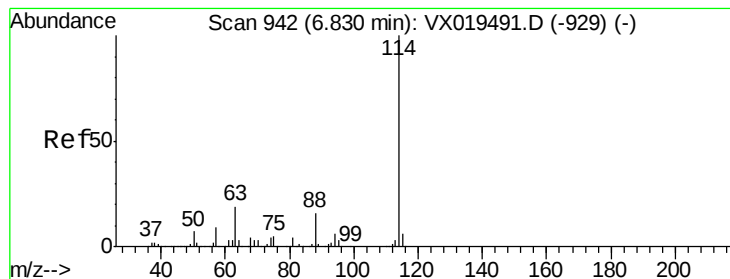
Tot Ion: 83 Resp: 1621
Ion Ratio Lower Upper
83 100
85 54.3 50.5 75.7



#33
1,2-Dichloroethane-d4
Concen: 46.690 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.01 min
Lab File: VX019523.D
Acq: 21 Nov 2020 03:34

Tgt Ion: 65 Resp: 183781
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019523.D

Acq: 21 Nov 2020 03:34

Instrument :

MSVOA_X

ClientSampleId :

COMP-1654-1658

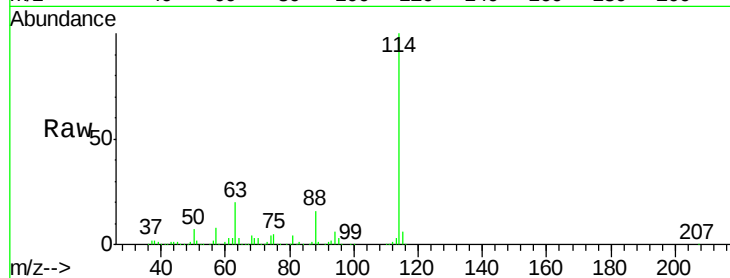
Tot Ion:114 Resp: 504336

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.8

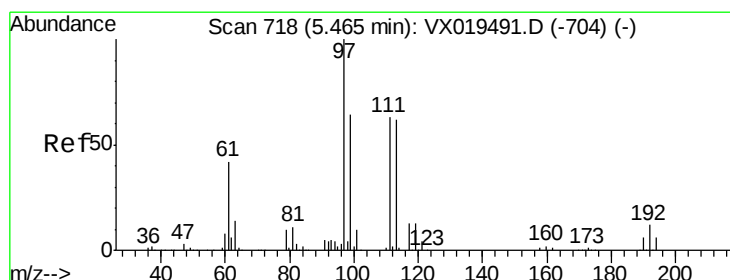
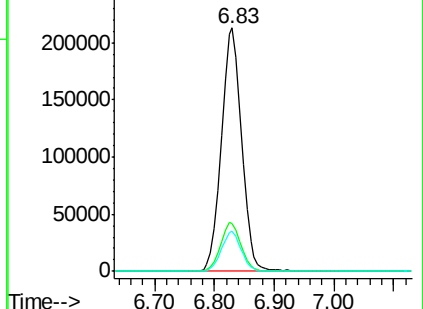
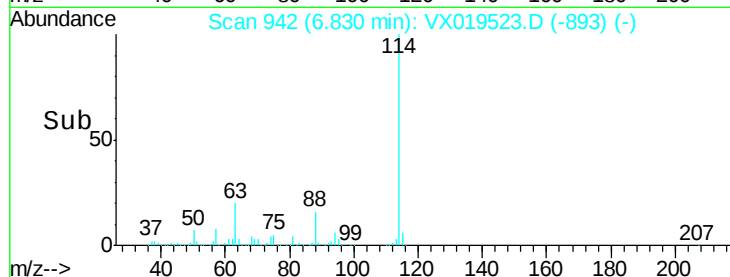
88 16.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.724 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019523.D

Acq: 21 Nov 2020 03:34

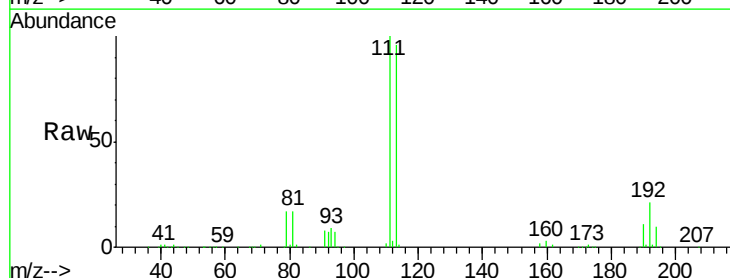
Tgt Ion:113 Resp: 147916

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

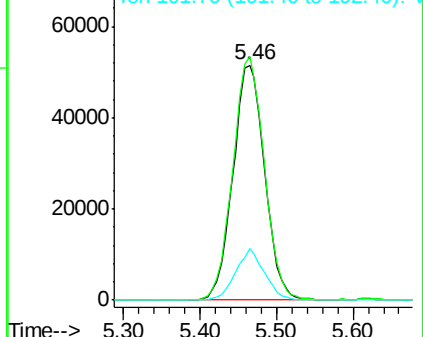
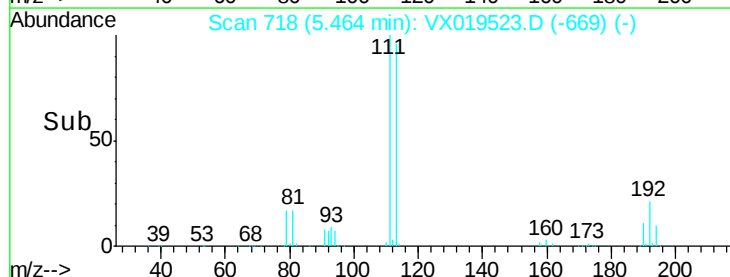
192 19.8 16.2 24.2

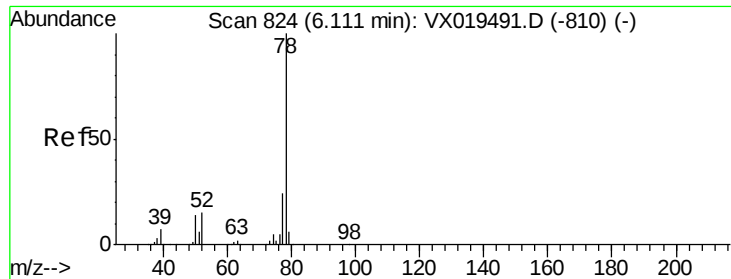


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.930 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX019523.D

Acq: 21 Nov 2020 03:34

Instrument :

MSVOA_X

ClientSampleId :

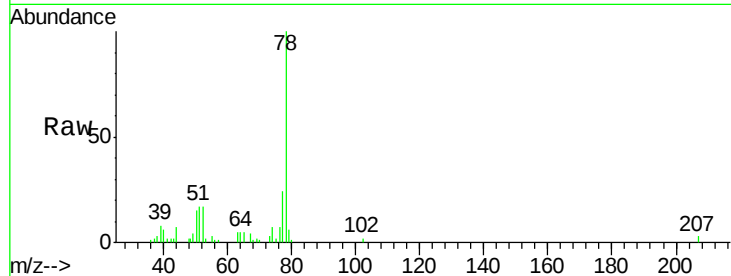
COMP-1654-1658

Tot Ion: 78 Resp: 13506

Ion Ratio Lower Upper

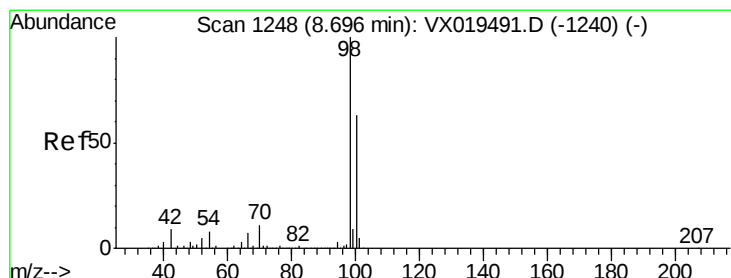
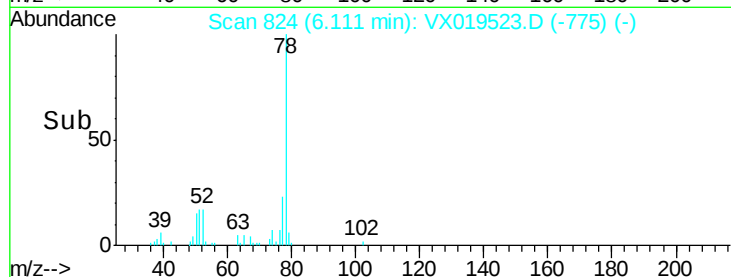
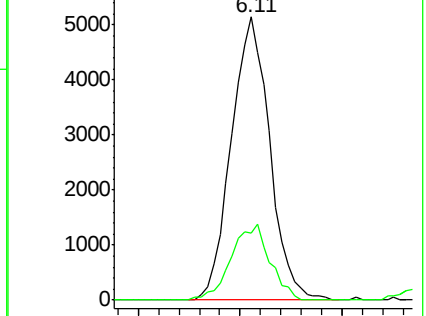
78 100

77 23.6 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 48.267 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019523.D

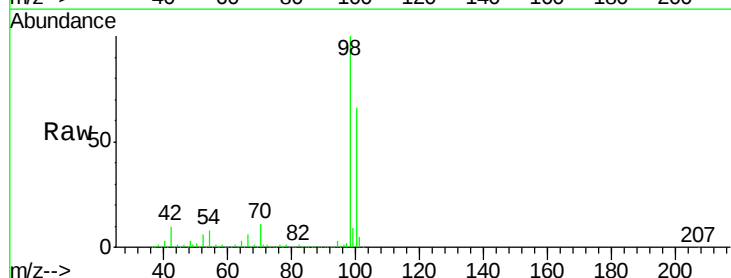
Acq: 21 Nov 2020 03:34

Tgt Ion: 98 Resp: 593764

Ion Ratio Lower Upper

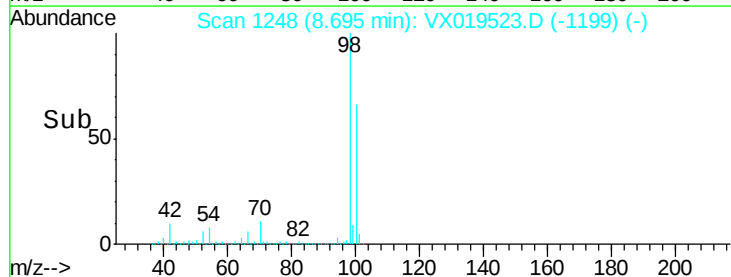
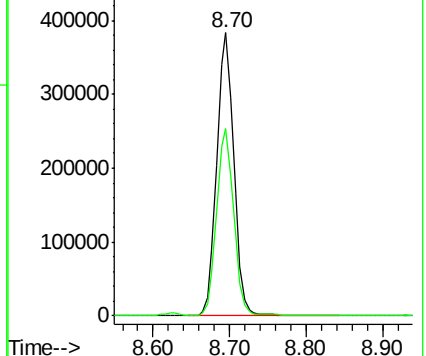
98 100

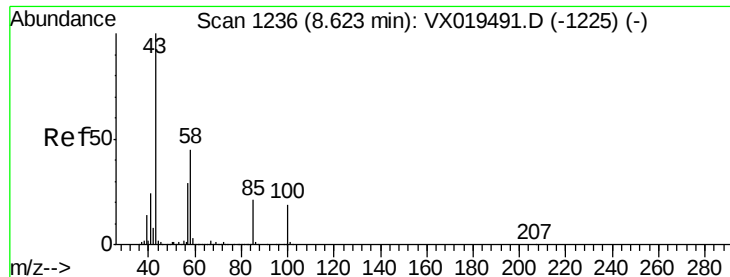
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 7.577 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX019523.D

Acq: 21 Nov 2020 03:34

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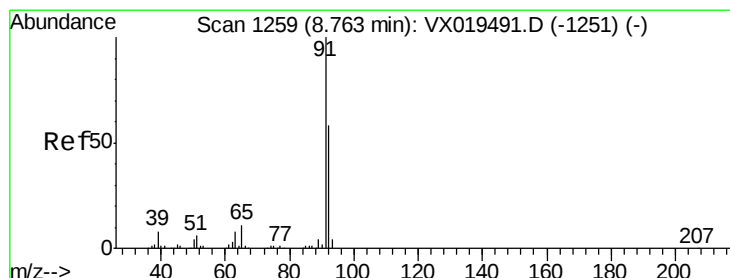
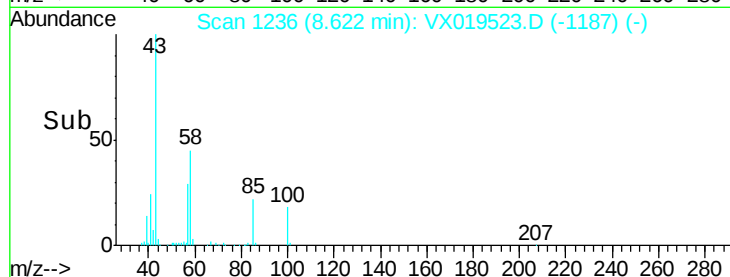
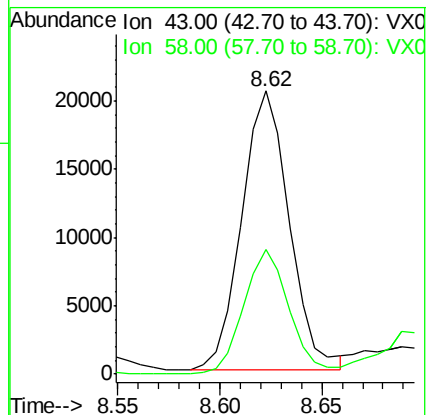
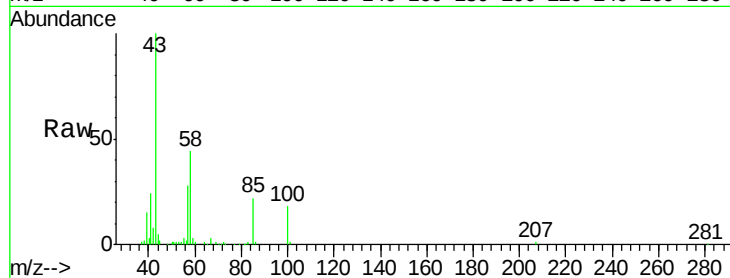
COMP-1654-1658

Tot Ion: 43 Resp: 32966

Ion Ratio Lower Upper

43 100

58 42.6 35.1 52.7



#52

Toluene

Concen: 1.788 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019523.D

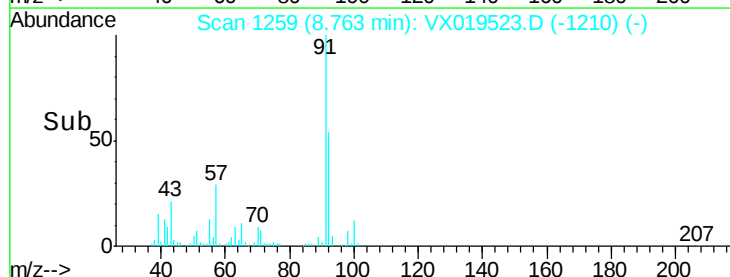
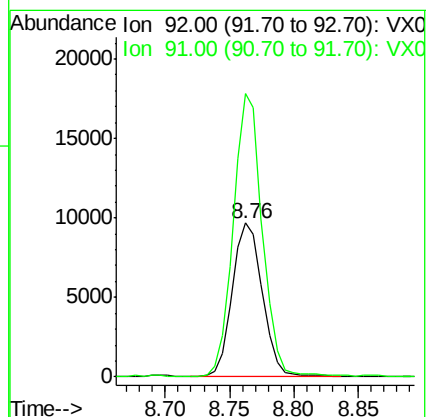
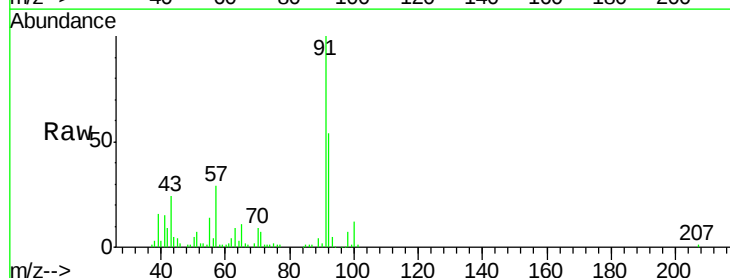
Acq: 21 Nov 2020 03:34

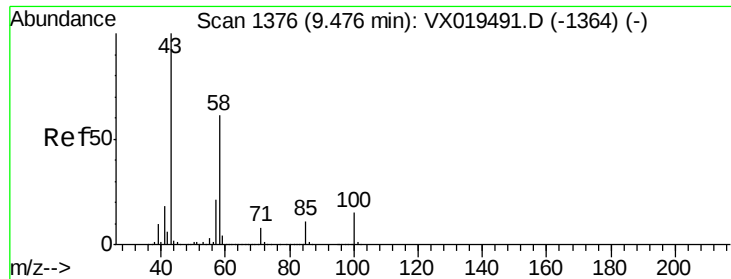
Tgt Ion: 92 Resp: 15891

Ion Ratio Lower Upper

92 100

91 176.6 138.1 207.1

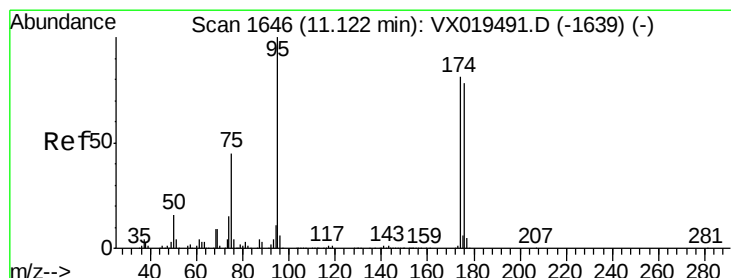
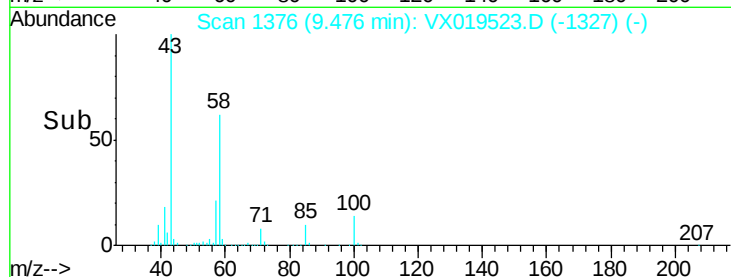
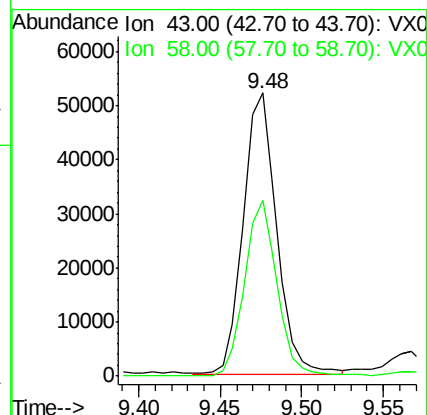
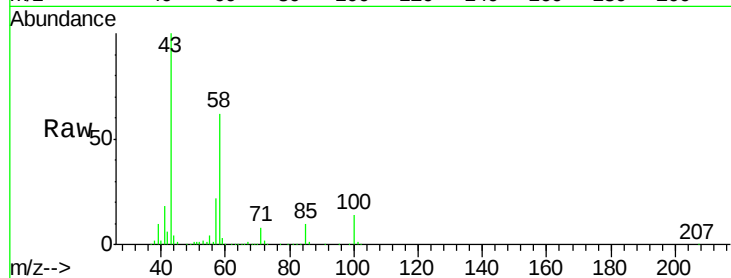




#59
2-Hexanone
Concen: 22.487 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX019523.D
Acq: 21 Nov 2020 03:34

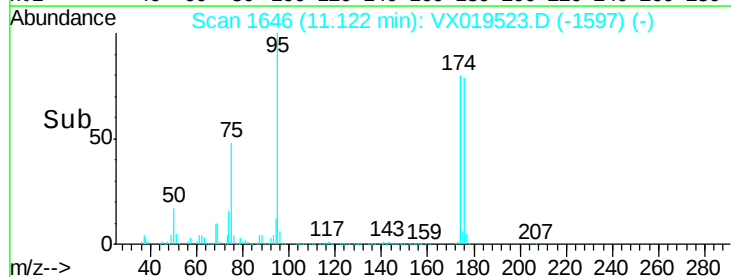
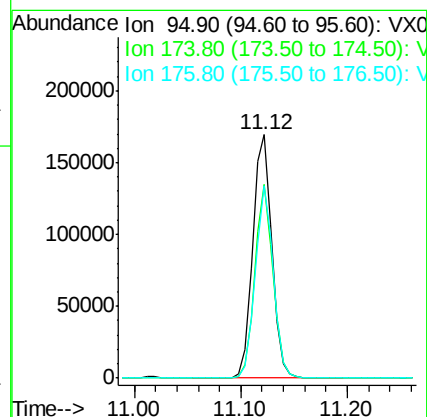
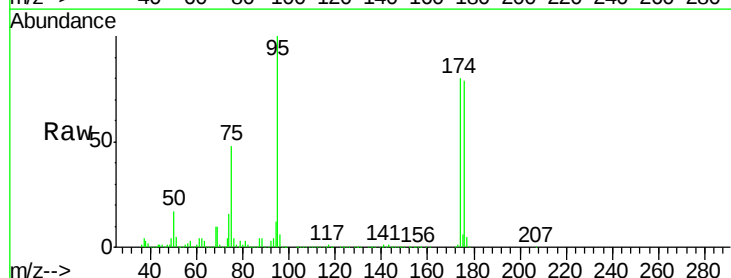
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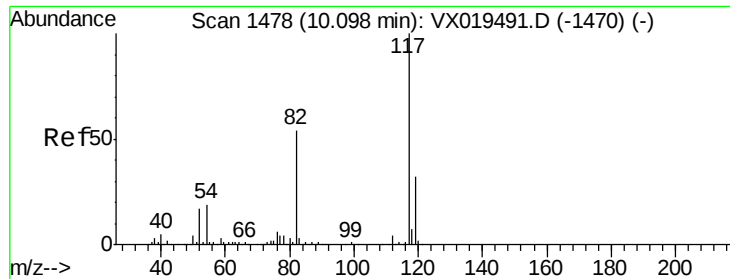
Tot Ion: 43 Resp: 74205
Ion Ratio Lower Upper
43 100
58 61.0 30.6 91.6



#62
4-Bromofluorobenzene
Concen: 48.089 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019523.D
Acq: 21 Nov 2020 03:34

Tgt Ion: 95 Resp: 212840
Ion Ratio Lower Upper
95 100
174 75.7 0.0 156.2
176 75.0 0.0 151.4

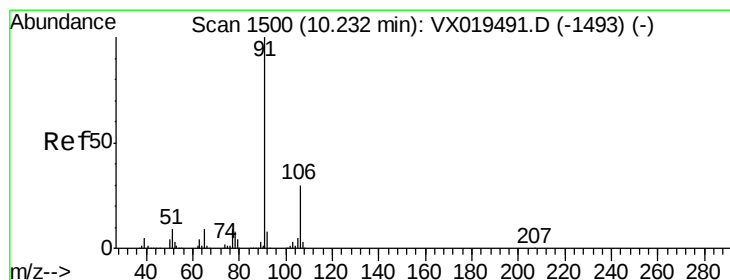
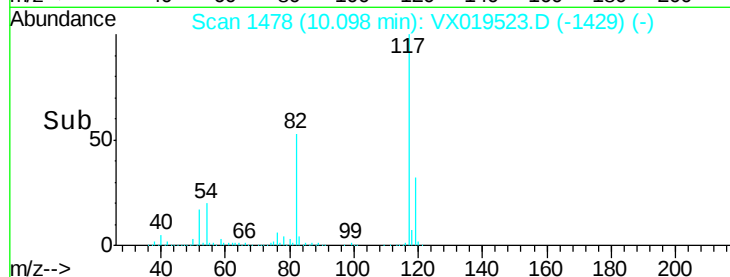
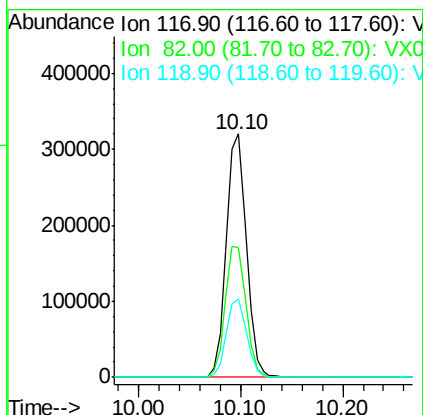
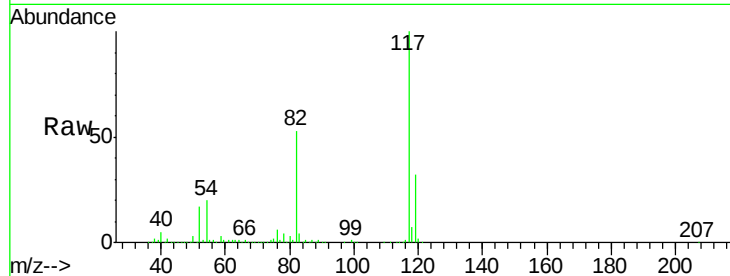




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019523.D
Acq: 21 Nov 2020 03:34

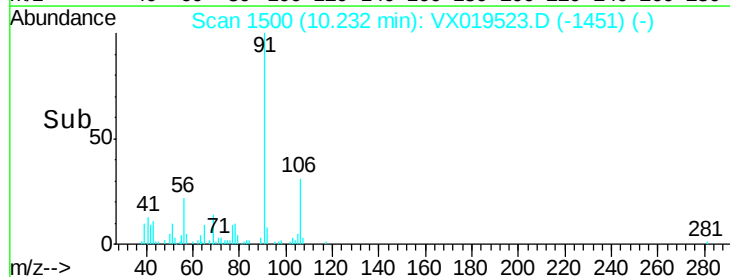
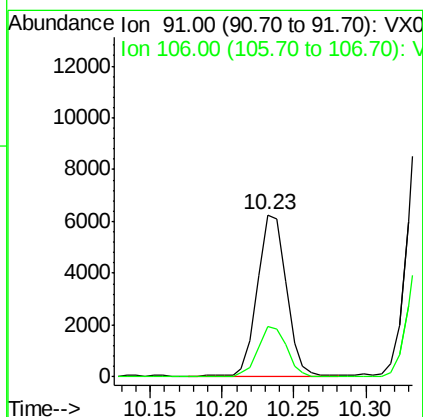
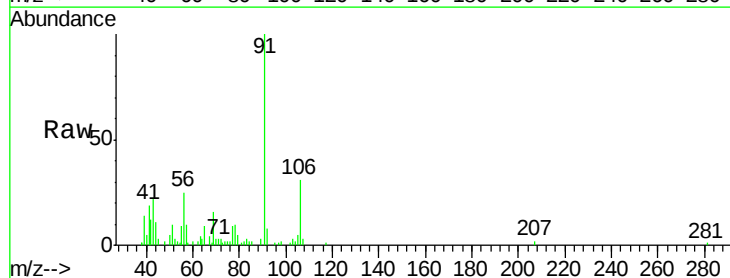
Instrument :
MSVOA_X
ClientSampleId :
COMP-1654-1658

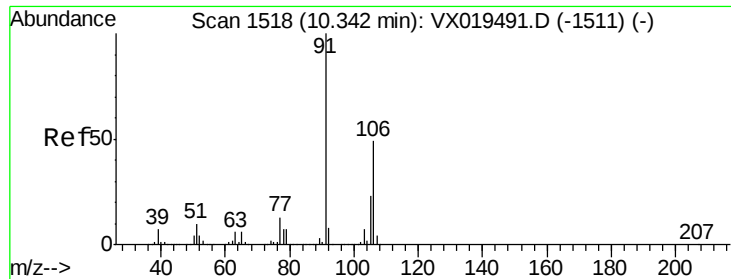
Tot Ion:117 Resp: 436586
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 32.4 25.6 38.4



#67
Ethyl Benzene
Concen: 0.559 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019523.D
Acq: 21 Nov 2020 03:34

Tgt Ion: 91 Resp: 8798
Ion Ratio Lower Upper
91 100
106 31.3 24.0 36.0

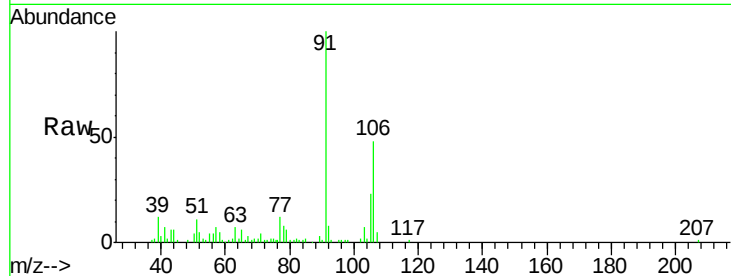




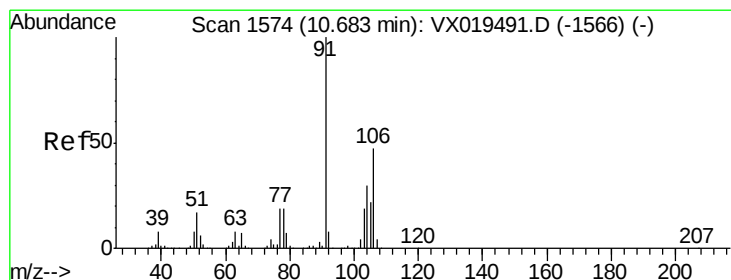
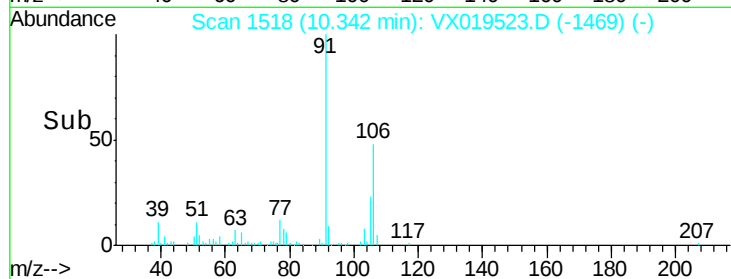
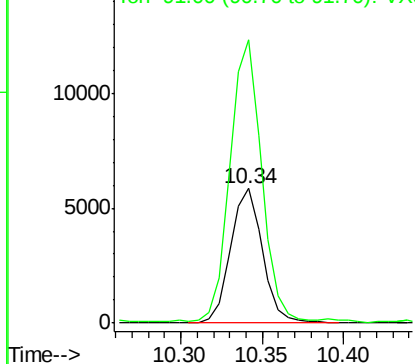
#68
m/p-Xylenes
Concen: 1.363 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019523.D
Acq: 21 Nov 2020 03:34

Instrument :
MSVOA_X
ClientSampleId :
COMP-1654-1658

Tot Ion:106 Resp: 7987
Ion Ratio Lower Upper
106 100
91 204.8 163.3 244.9

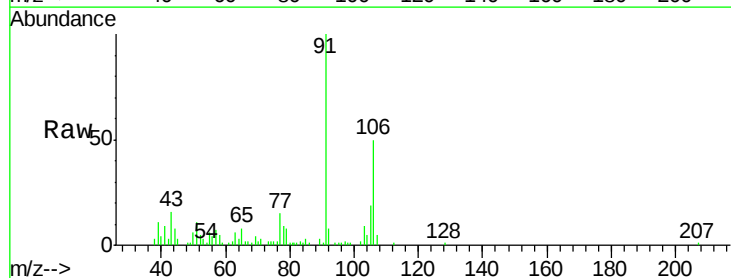


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

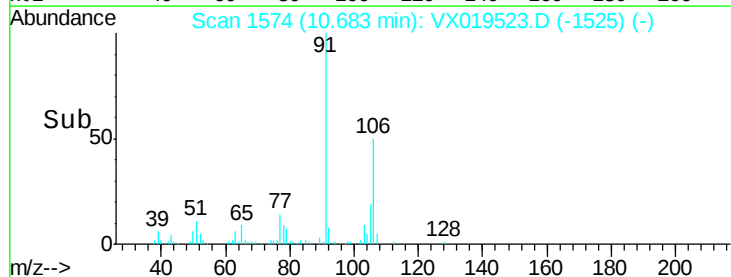
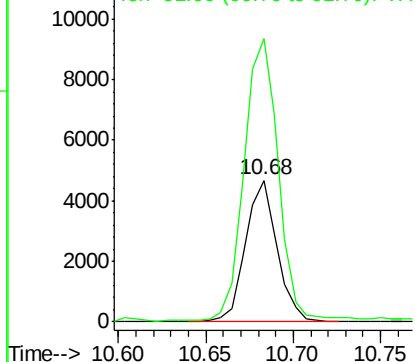


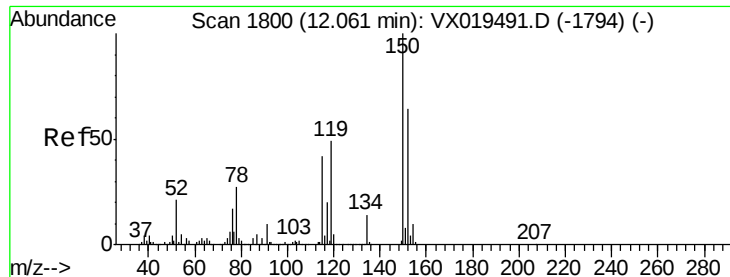
#69
o-Xylene
Concen: 1.051 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019523.D
Acq: 21 Nov 2020 03:34

Tgt Ion:106 Resp: 5884
Ion Ratio Lower Upper
106 100
91 219.5 108.0 324.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019523.D

Acq: 21 Nov 2020 03:34

Instrument :

MSVOA_X

ClientSampleId :

COMP-1654-1658

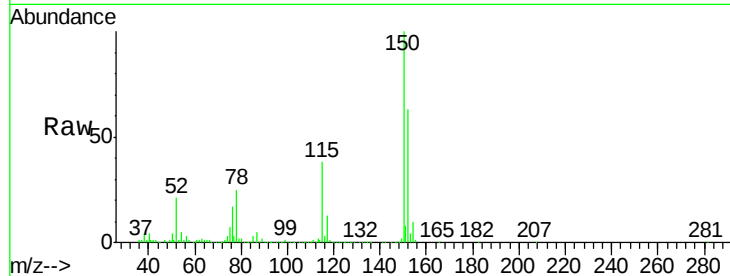
Tot Ion:152 Resp: 199815

Ion Ratio Lower Upper

152 100

115 60.4 41.8 125.4

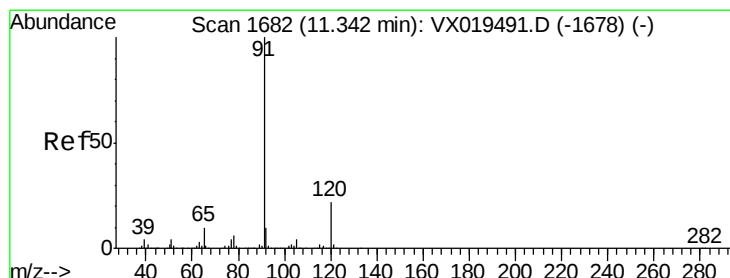
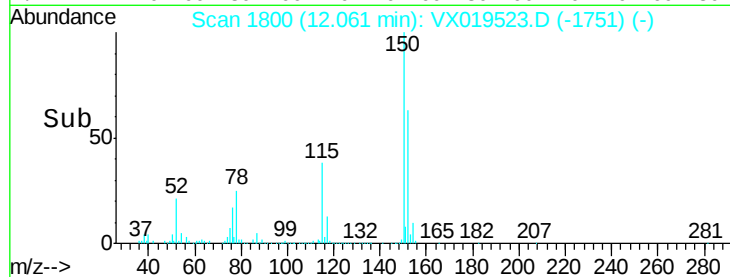
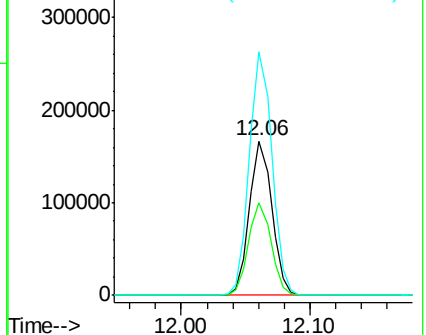
150 158.9 0.0 348.2



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



#78

n-propylbenzene

Concen: 0.243 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019523.D

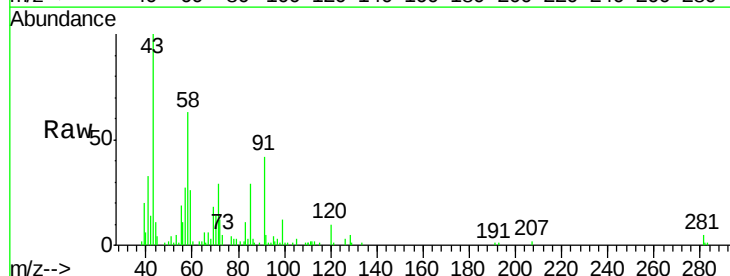
Acq: 21 Nov 2020 03:34

Tgt Ion: 91 Resp: 3856

Ion Ratio Lower Upper

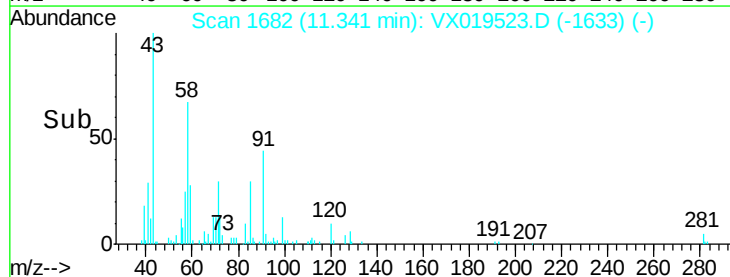
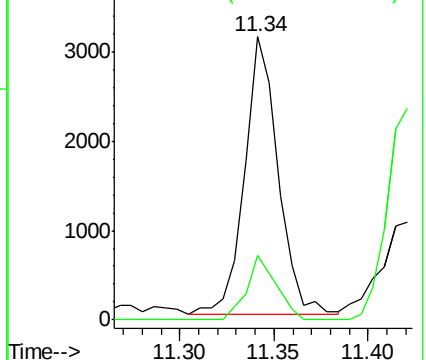
91 100

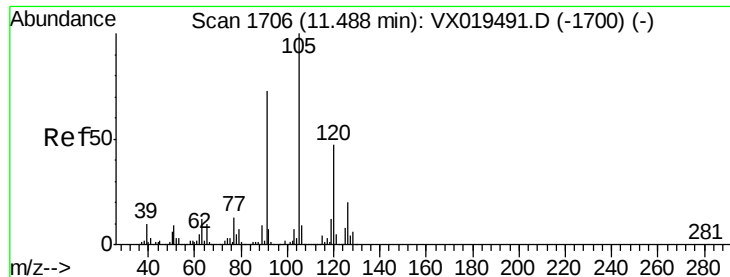
120 20.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

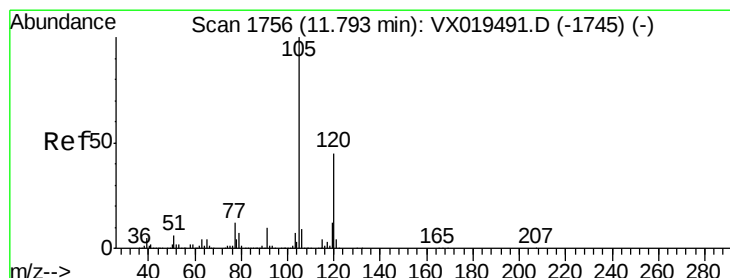
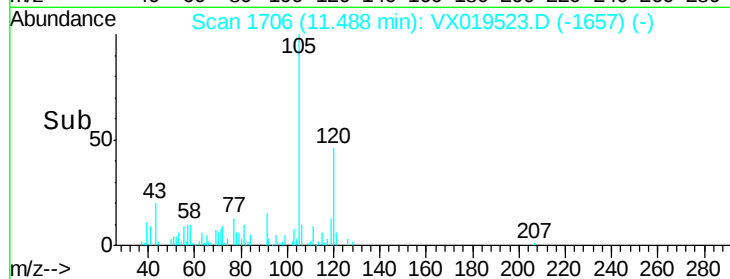
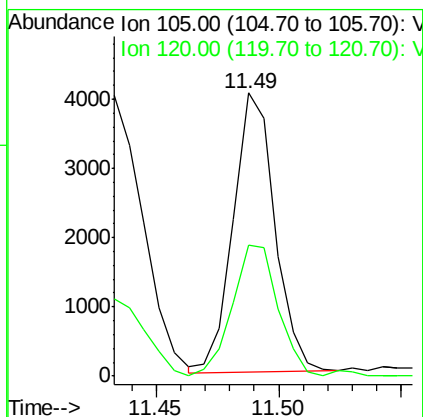
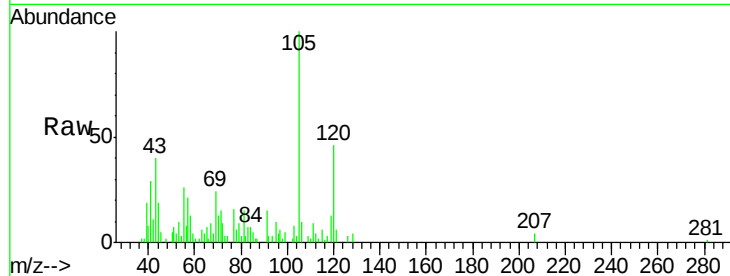




#80
 1,3,5-Trimethylbenzene
 Concen: 0.414 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX019523.D
 Acq: 21 Nov 2020 03:34

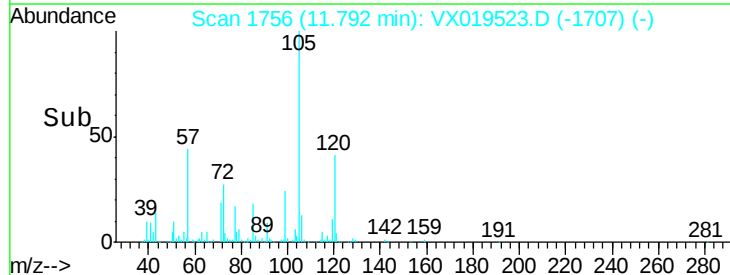
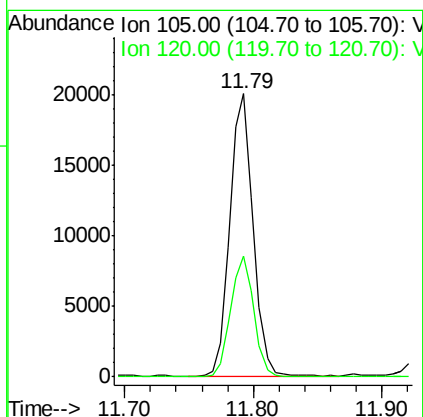
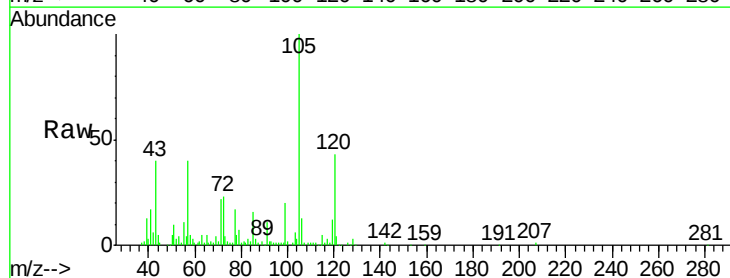
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1654-1658

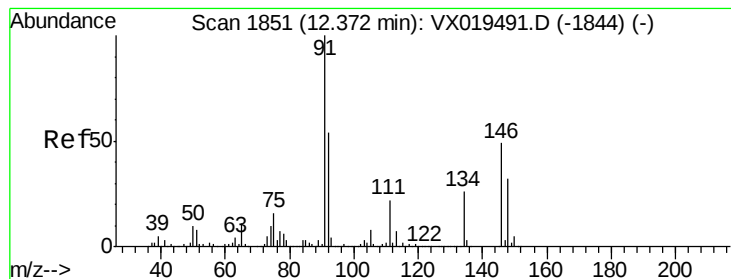
Tot Ion:105 Resp: 4797
 Ion Ratio Lower Upper
 105 100
 120 51.4 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 2.190 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019523.D
 Acq: 21 Nov 2020 03:34

Tgt Ion:105 Resp: 25692
 Ion Ratio Lower Upper
 105 100
 120 41.9 22.2 66.6





#89

n-Butylbenzene

Concen: 0.357 ug/l

RT: 12.37 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VX019523.D

Acq: 21 Nov 2020 03:34

Instrument :

MSVOA_X

ClientSampled :

COMP-1654-1658

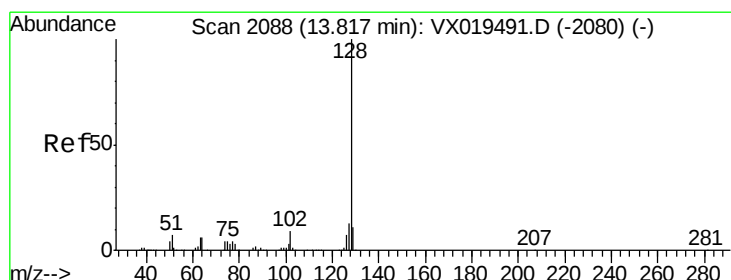
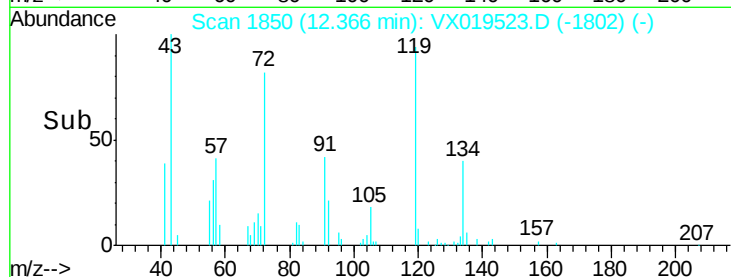
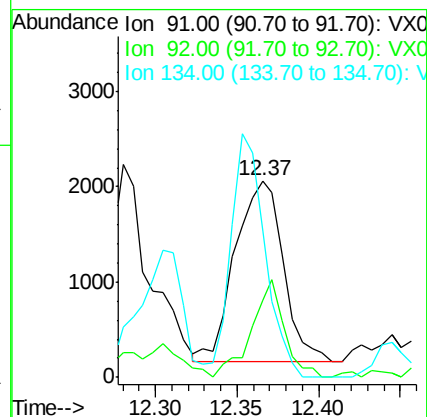
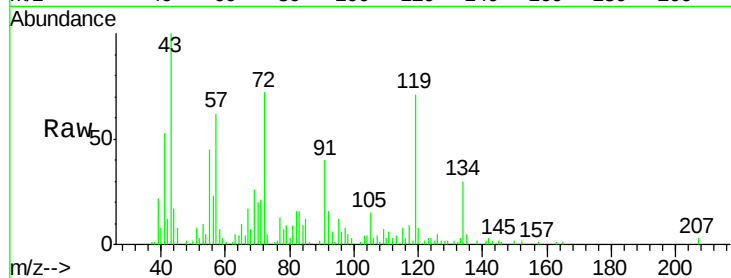
Tot Ion: 91 Resp: 3906

Ion Ratio Lower Upper

91 100

92 36.8 26.9 80.6

134 95.4 12.9 38.6#



#95

Naphthalene

Concen: 10.391 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019523.D

Acq: 21 Nov 2020 03:34

Tgt Ion: 128 Resp: 126565

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.3 8.7 13.1

