

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019524.D
 Acq On : 21 Nov 2020 03:57
 Operator : JC/MD
 Sample : L4779-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1608

Quant Time: Nov 21 06:59:02 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	322850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	525443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	455530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	207063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	192978	46.10	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.20%
35) Dibromofluoromethane	5.46	113	157390	47.72	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.44%
50) Toluene-d8	8.70	98	620387	48.41	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.82%
62) 4-Bromofluorobenzene	11.12	95	220358	47.79	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.58%

Target Compounds

						Qvalue
11) Tert butyl alcohol	3.04	59	215037	271.440	ug/l	100
16) Acetone	2.43	43	174855	108.014	ug/l	97
17) Carbon Disulfide	2.54	76	34864	4.049	ug/l	98
18) Methyl Acetate	2.75	43	47725	12.506	ug/l	96
25) 2-Butanone	4.64	43	81124	33.360	ug/l	97
40) Benzene	6.11	78	3643	0.241	ug/l	90
51) 4-Methyl-2-Pentanone	8.62	43	32524	7.175	ug/l	99
52) Toluene	8.76	92	16136	1.743	ug/l	98
59) 2-Hexanone	9.48	43	13407	3.900	ug/l	94
67) Ethyl Benzene	10.23	91	3452	0.210	ug/l	100
68) m/p-Xylenes	10.34	106	2558	0.418	ug/l	91
69) o-Xylene	10.68	106	1261	0.216	ug/l	94
80) 1,3,5-Trimethylbenzene	11.49	105	6656	0.554	ug/l	93
84) 1,2,4-Trimethylbenzene	11.79	105	32133	2.643	ug/l	79
85) sec-Butylbenzene	11.93	105	9857	0.713	ug/l	92
86) p-Isopropyltoluene	12.05	119	11894	0.947	ug/l	91
89) n-Butylbenzene	12.37	91	6826	0.601	ug/l #	40
95) Naphthalene	13.82	128	25205	3.756	ug/l #	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019524.D

Acq: 21 Nov 2020 03:57

Instrument :

MSVOA_X

ClientSampleId :

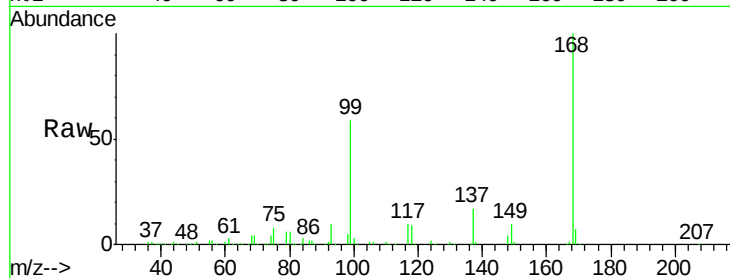
1608

Tot Ion:168 Resp: 322850

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

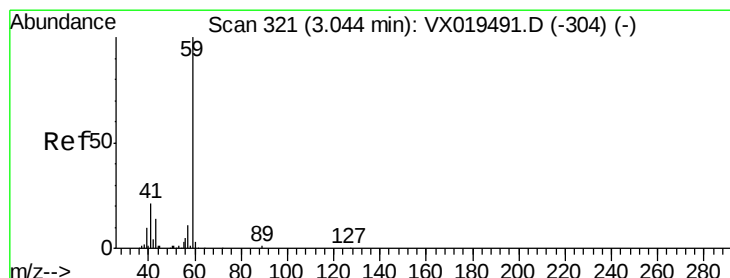
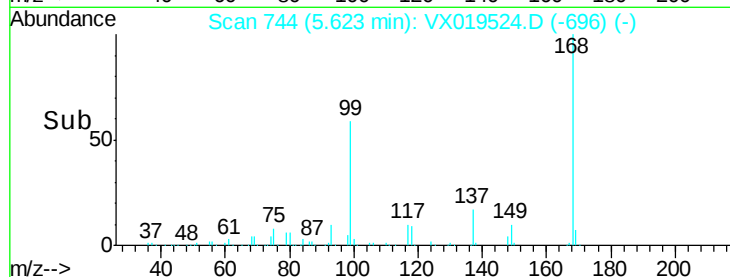
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 271.440 ug/l

RT: 3.04 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX019524.D

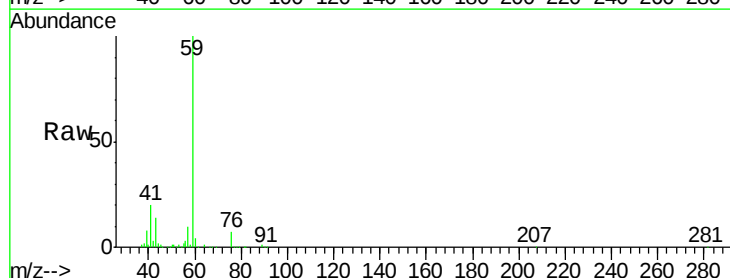
Acq: 21 Nov 2020 03:57

Tgt Ion: 59 Resp: 215037

Ion Ratio Lower Upper

59 100

57 9.7 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

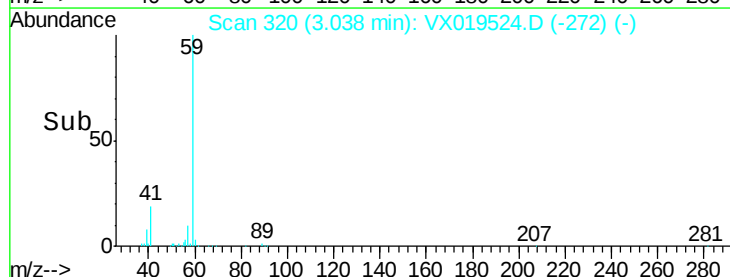
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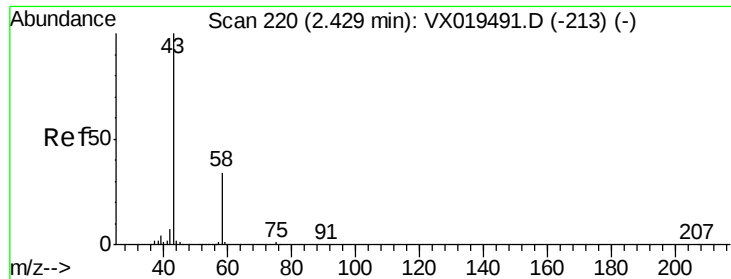
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20000

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Time-->

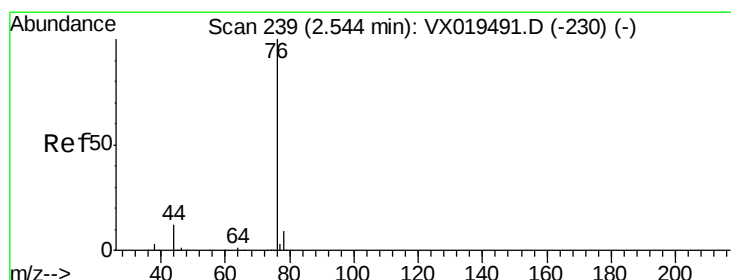
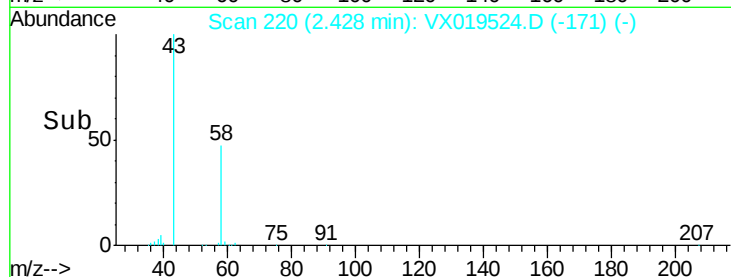
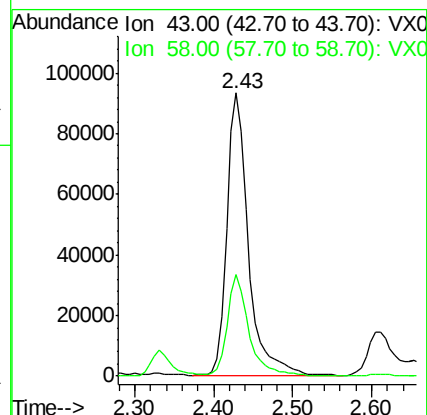
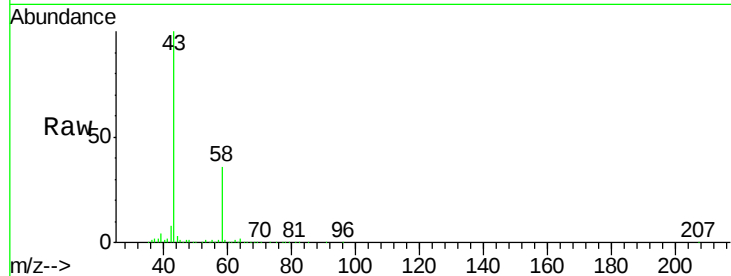




#16
Acetone
Concen: 108.014 ug/l
RT: 2.43 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX019524.D
Acq: 21 Nov 2020 03:57

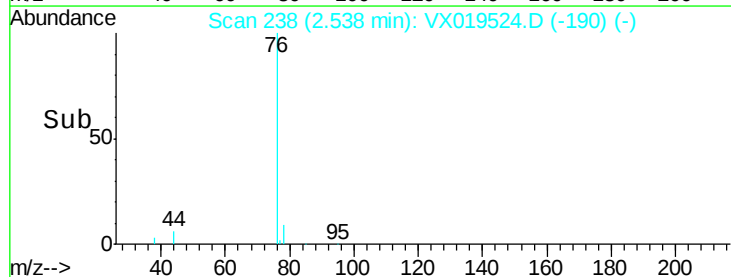
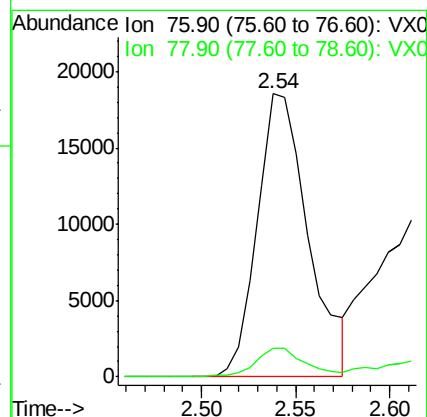
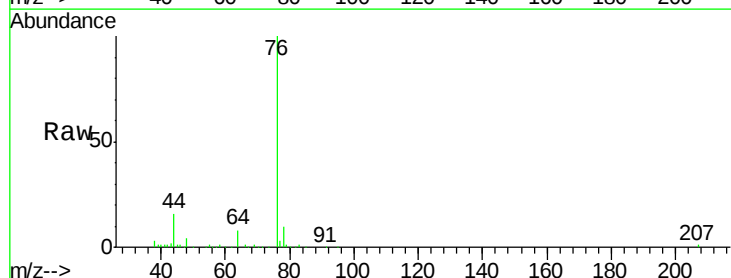
Instrument :
MSVOA_X
ClientSampled :
1608

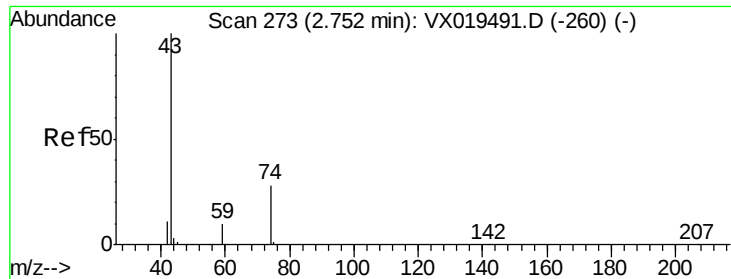
Tot Ion: 43 Resp: 174855
Ion Ratio Lower Upper
43 100
58 35.8 27.4 41.2



#17
Carbon Disulfide
Concen: 4.049 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VX019524.D
Acq: 21 Nov 2020 03:57

Tgt Ion: 76 Resp: 34864
Ion Ratio Lower Upper
76 100
78 9.8 7.2 10.8

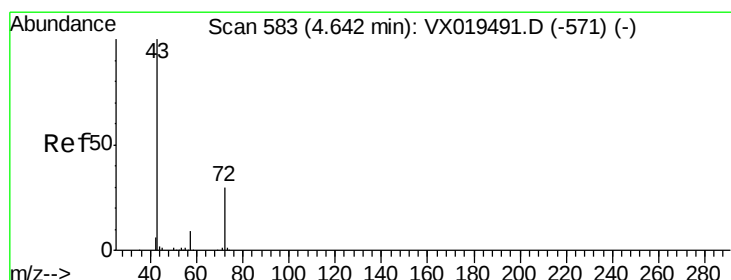
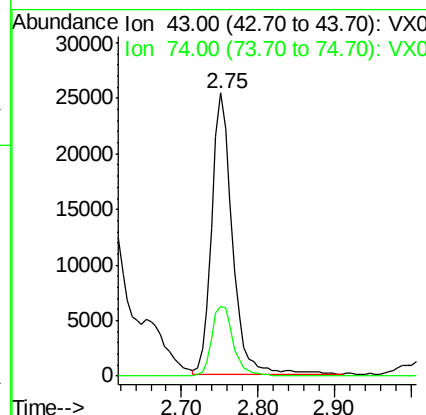
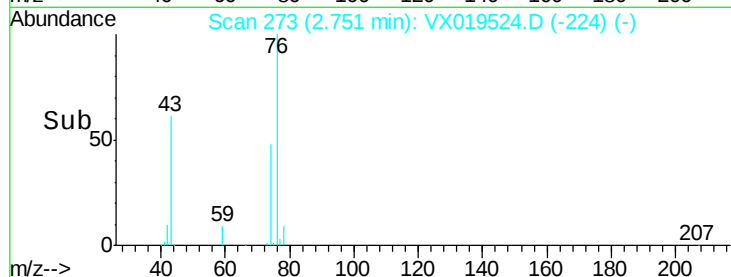
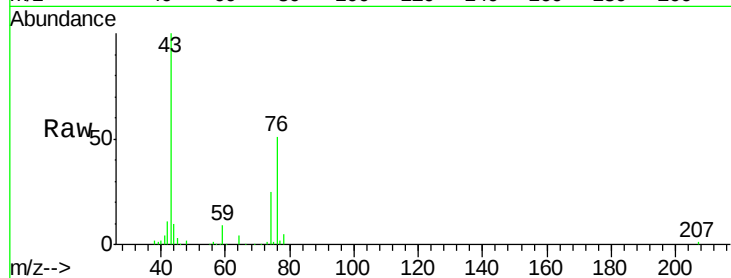




#18
Methvl Acetate
Concen: 12.506 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019524.D
Acq: 21 Nov 2020 03:57

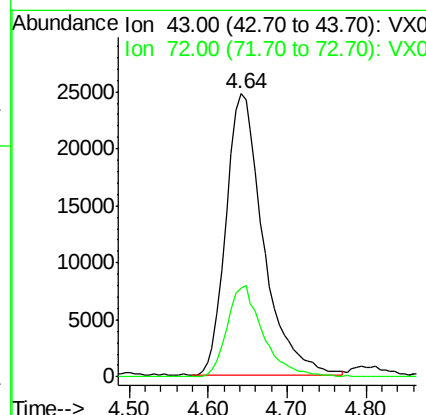
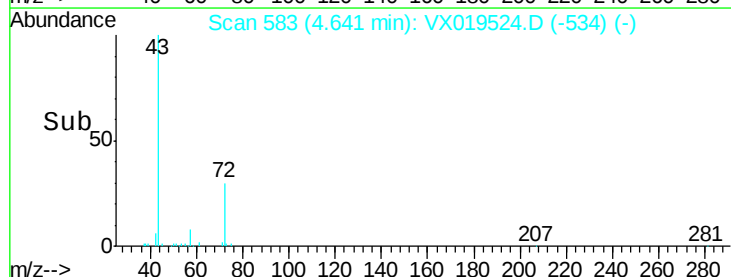
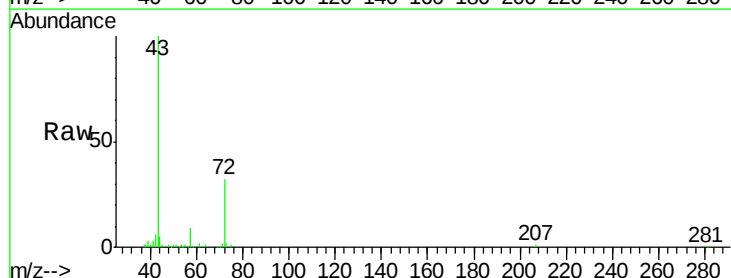
Instrument :
MSVOA_X
ClientSampleId :
1608

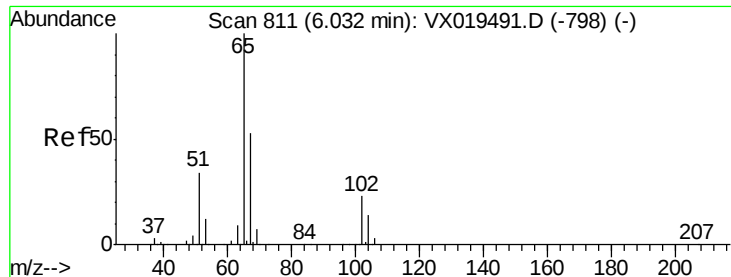
Tot Ion: 43 Resp: 47725
Ion Ratio Lower Upper
43 100
74 26.0 22.2 33.4



#25
2-Butanone
Concen: 33.360 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX019524.D
Acq: 21 Nov 2020 03:57

Tgt Ion: 43 Resp: 81124
Ion Ratio Lower Upper
43 100
72 31.8 24.0 36.0





#33

1,2-Dichloroethane-d4

Concen: 46.101 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019524.D

Acq: 21 Nov 2020 03:57

Instrument :

MSVOA_X

ClientSampleId :

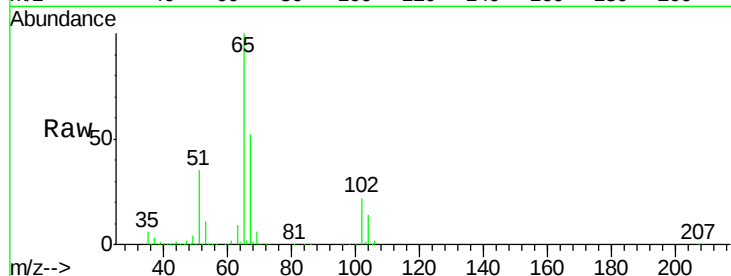
1608

Tot Ion: 65 Resp: 192978

Ion Ratio Lower Upper

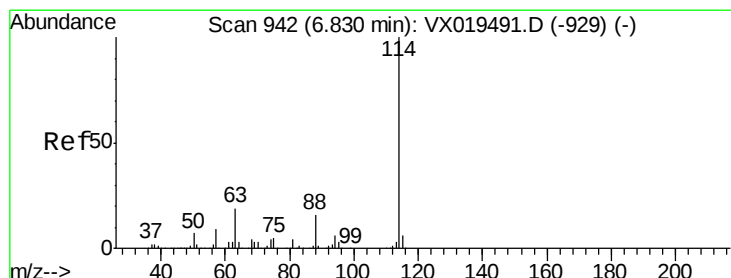
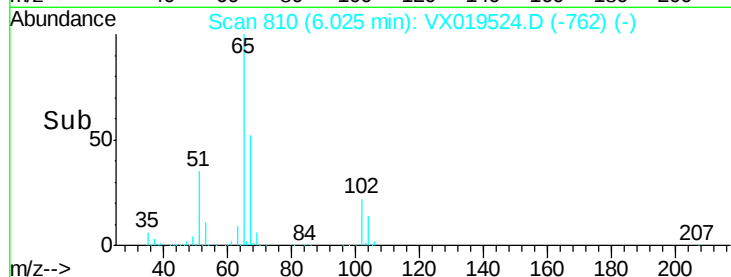
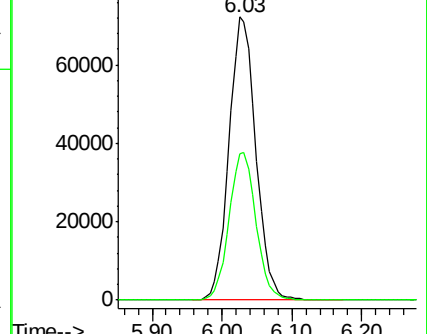
65 100

67 52.3 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019524.D

Acq: 21 Nov 2020 03:57

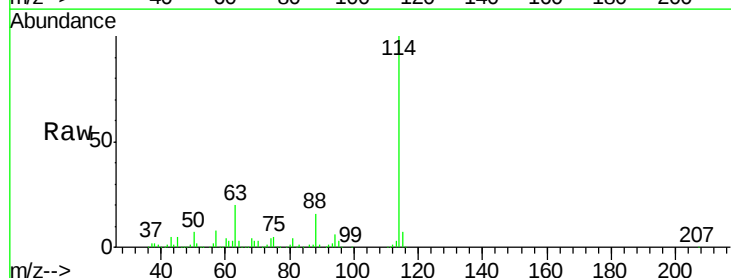
Tgt Ion: 114 Resp: 525443

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.8

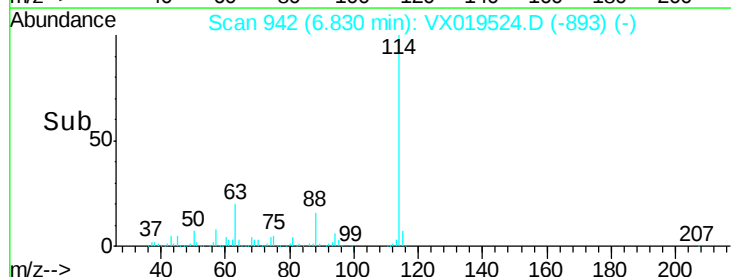
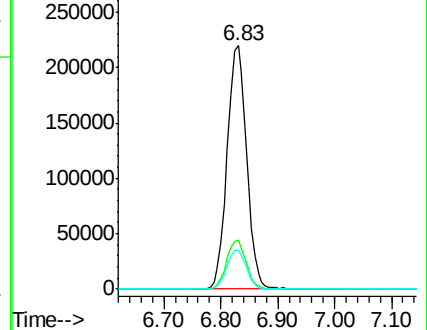
88 16.2 0.0 31.6

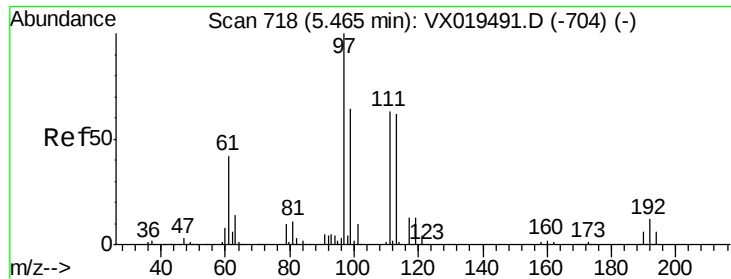


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

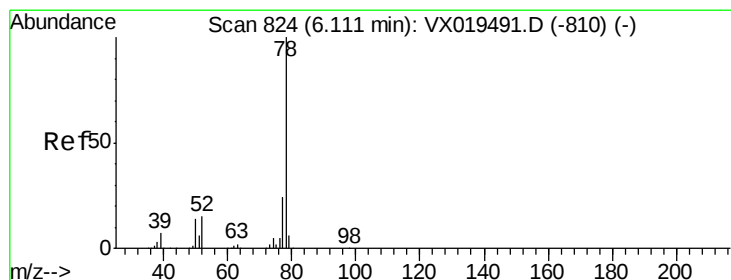
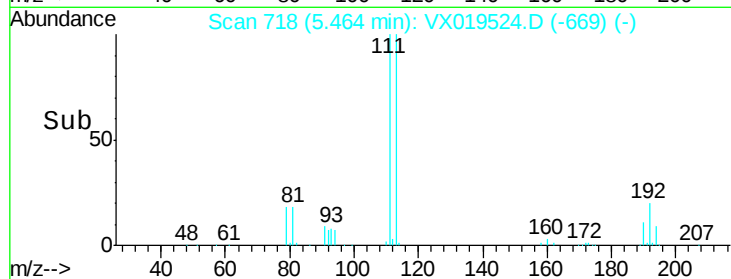
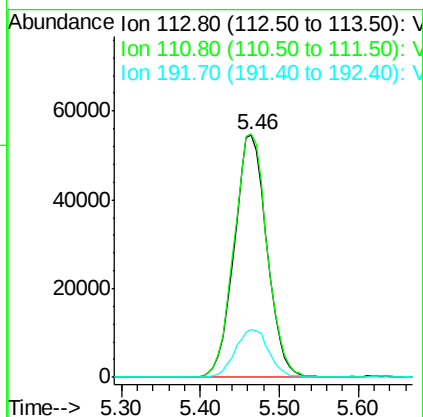
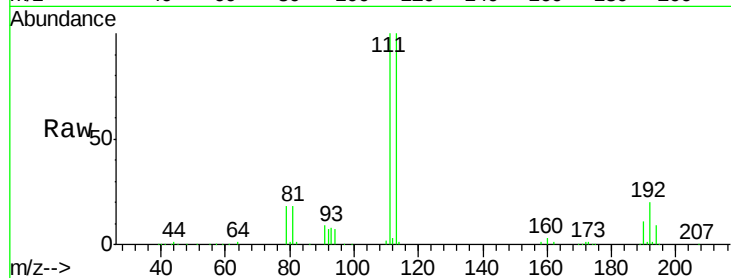




#35
Dibromofluoromethane
Concen: 47.720 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX019524.D
Acq: 21 Nov 2020 03:57

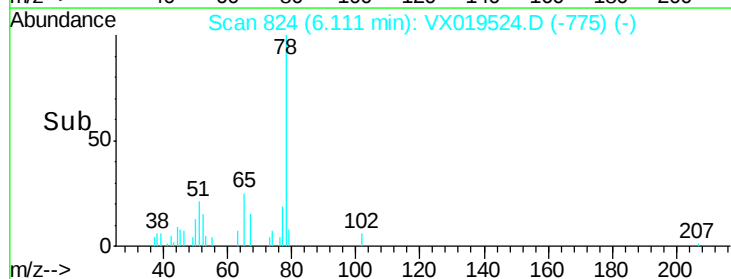
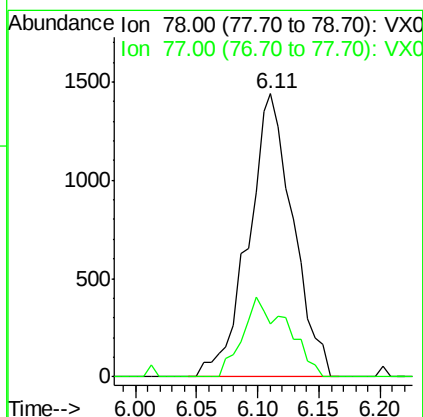
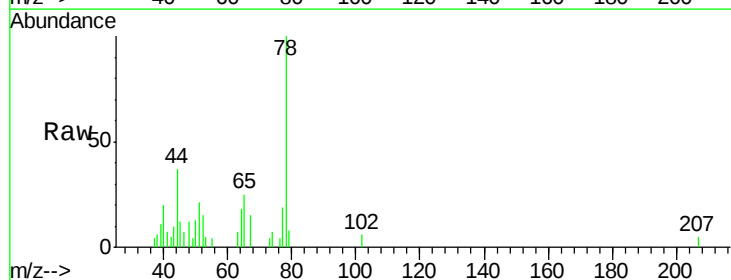
Instrument :
MSVOA_X
ClientSampleId :
1608

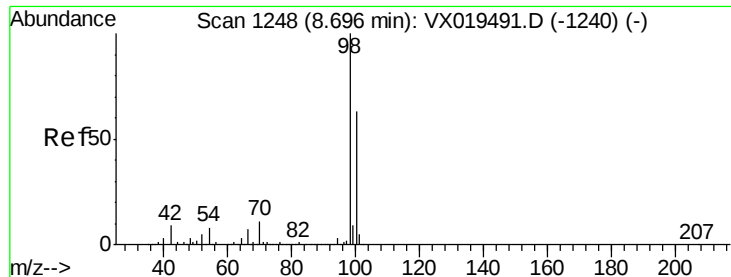
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.5	122.3
192	20.5	16.2	24.2



#40
Benzene
Concen: 0.241 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX019524.D
Acq: 21 Nov 2020 03:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	18.9	18.9	28.3

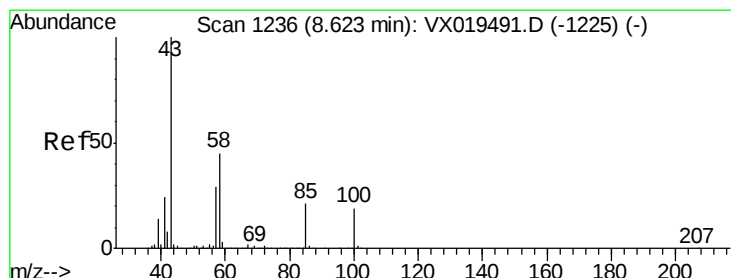
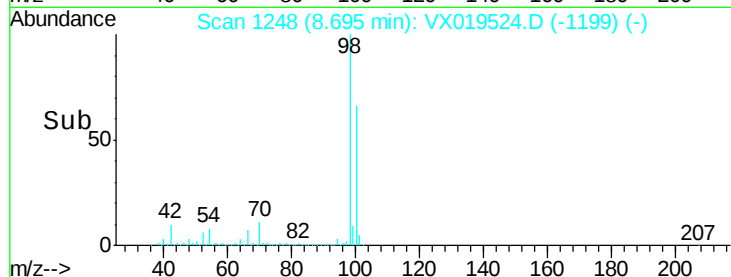
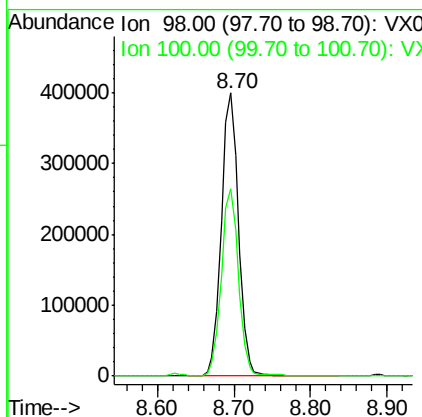
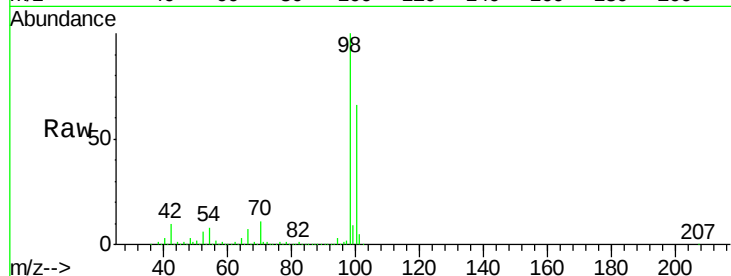




#50
Toluene-d8
Concen: 48.405 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019524.D
Acq: 21 Nov 2020 03:57

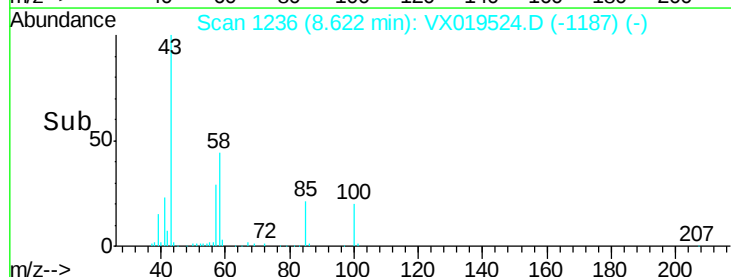
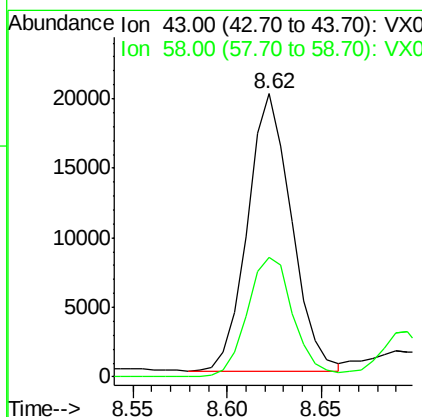
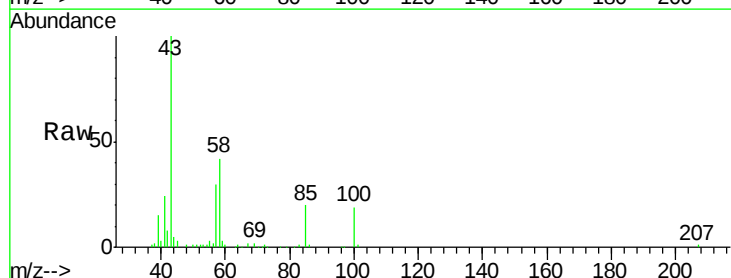
Instrument :
MSVOA_X
ClientSampled :
1608

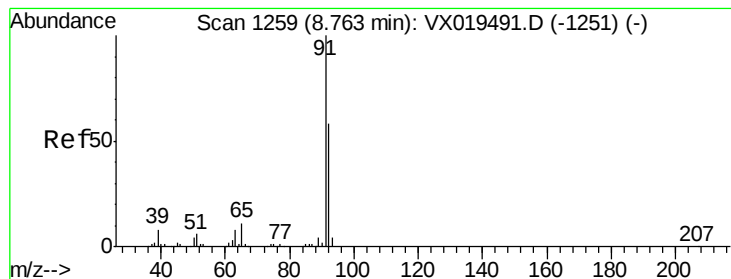
Tot Ion: 98 Resp: 620387
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 7.175 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX019524.D
Acq: 21 Nov 2020 03:57

Tgt Ion: 43 Resp: 32524
Ion Ratio Lower Upper
43 100
58 44.6 35.1 52.7





#52

Toluene

Concen: 1.743 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019524.D

Acq: 21 Nov 2020 03:57

Instrument :

MSVOA_X

ClientSampleId :

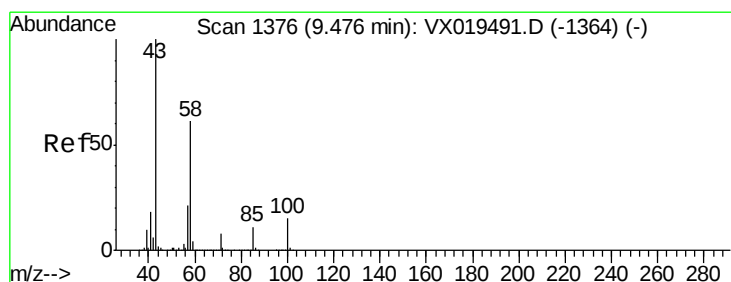
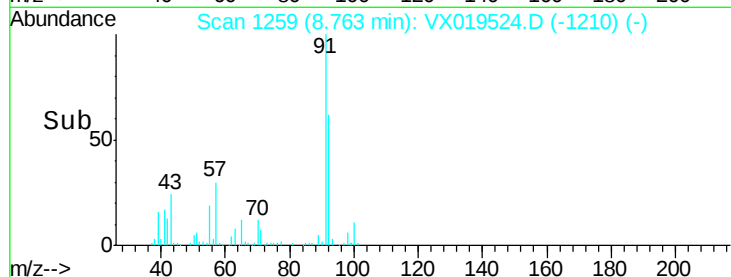
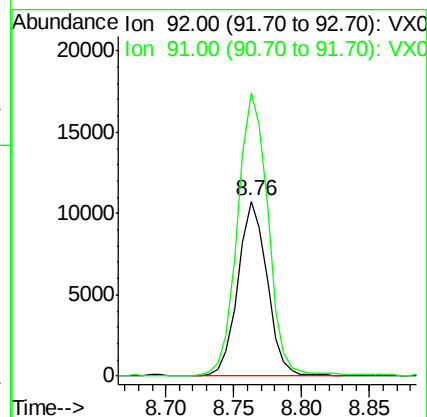
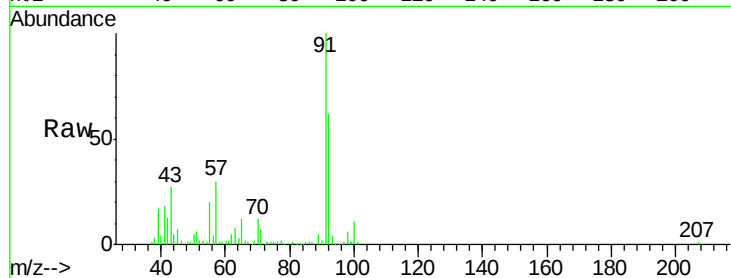
1608

Tot Ion: 92 Resp: 16136

Ion Ratio Lower Upper

92 100

91 170.1 138.1 207.1



#59

2-Hexanone

Concen: 3.900 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX019524.D

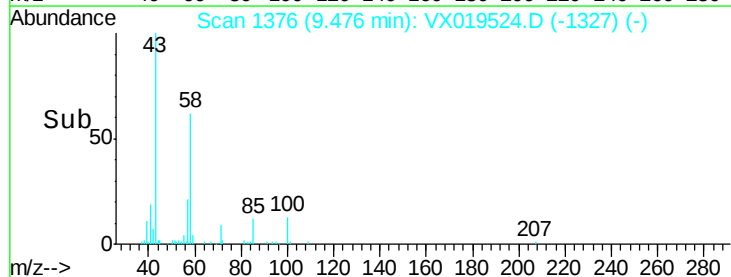
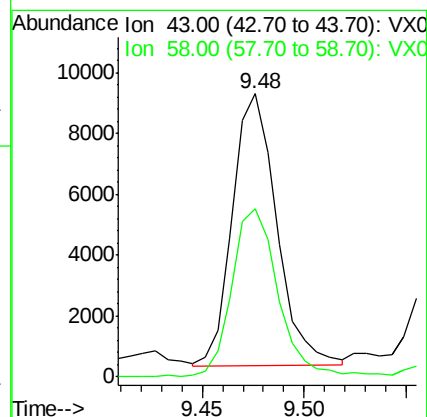
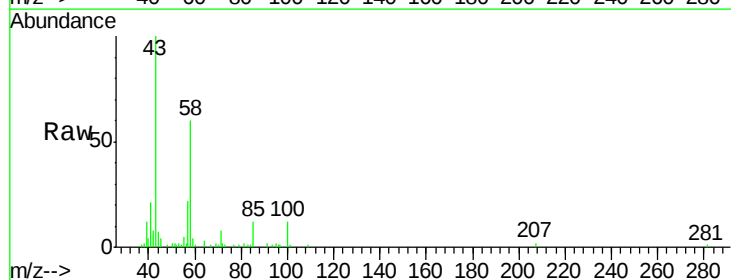
Acq: 21 Nov 2020 03:57

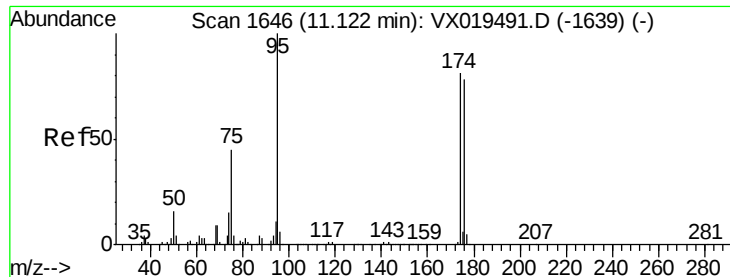
Tgt Ion: 43 Resp: 13407

Ion Ratio Lower Upper

43 100

58 65.5 30.6 91.6





#62

4-Bromofluorobenzene

Concen: 47.788 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019524.D

Acq: 21 Nov 2020 03:57

Instrument :

MSVOA_X

ClientSampleId :

1608

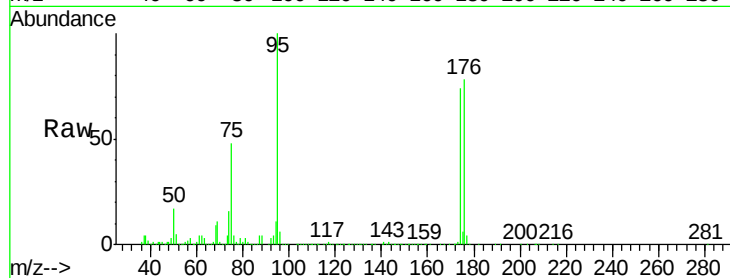
Tot Ion: 95 Resp: 220358

Ion Ratio Lower Upper

95 100

174 74.8 0.0 156.2

176 74.0 0.0 151.4

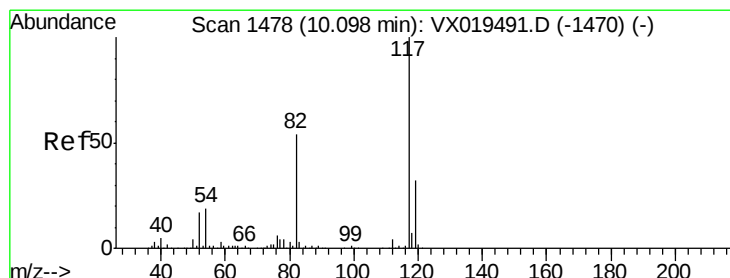
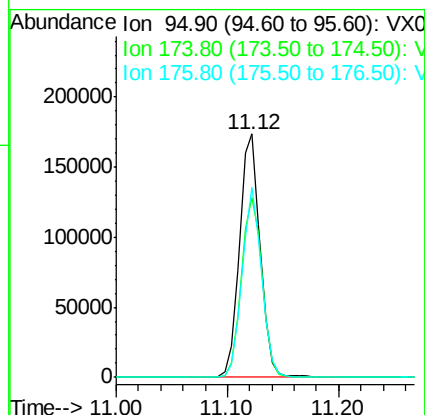
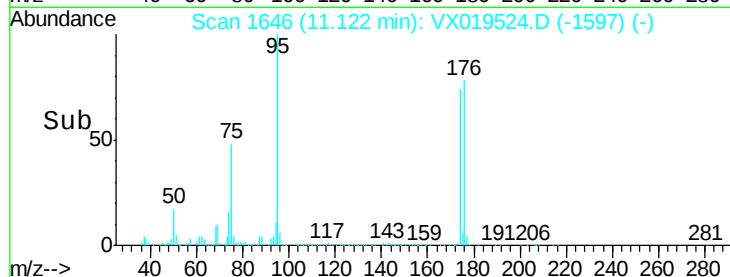


Abundance Ion 94.90 (94.60 to 95.60): VX019491.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX019491.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX019491.D (-1639) (-)

Time--> 11.00 11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019524.D

Acq: 21 Nov 2020 03:57

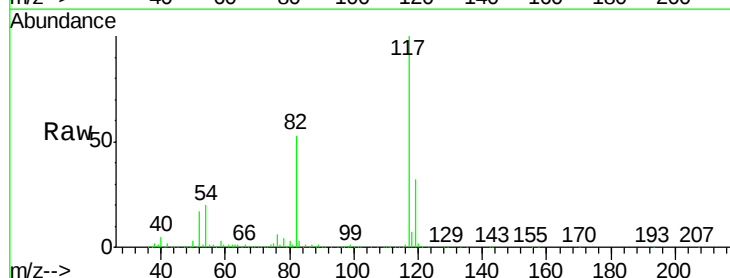
Tgt Ion: 117 Resp: 455530

Ion Ratio Lower Upper

117 100

82 52.7 43.0 64.4

119 32.0 25.6 38.4

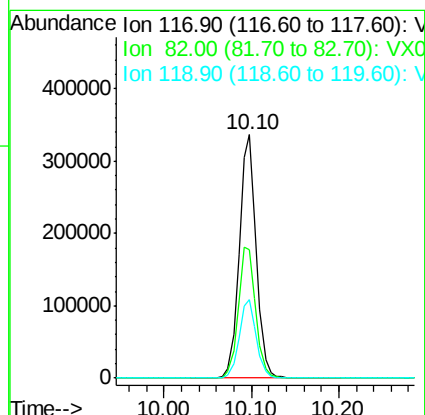
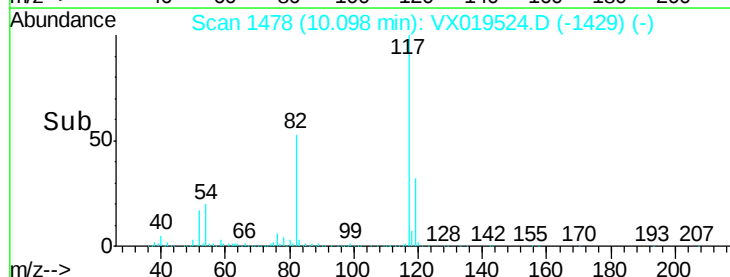


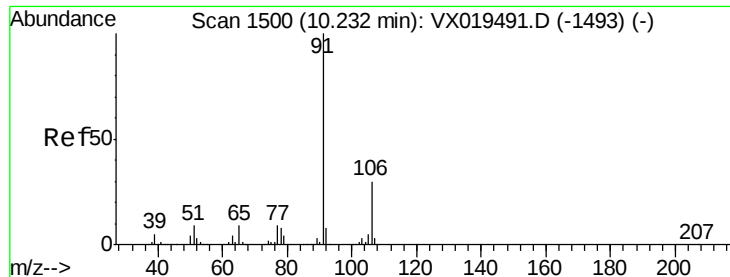
Abundance Ion 116.90 (116.60 to 117.60): VX019491.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019491.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019491.D (-1470) (-)

Time--> 10.00 10.10 10.20





#67

Ethyl Benzene

Concen: 0.210 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019524.D

Acq: 21 Nov 2020 03:57

Instrument :

MSVOA_X

ClientSampleId :

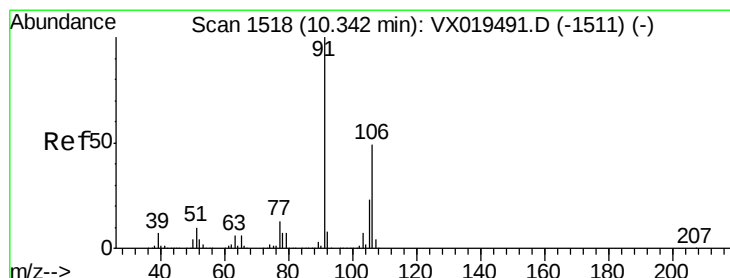
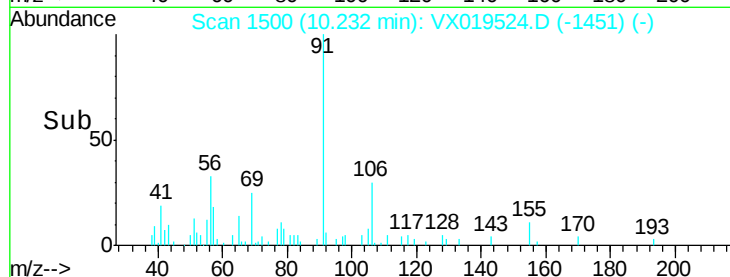
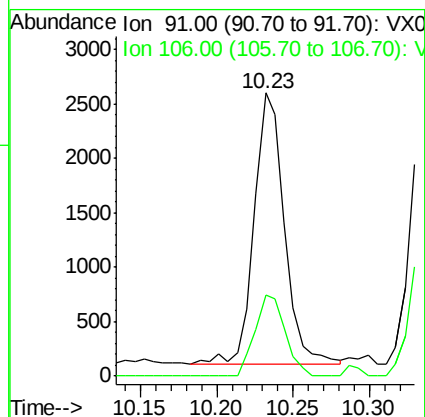
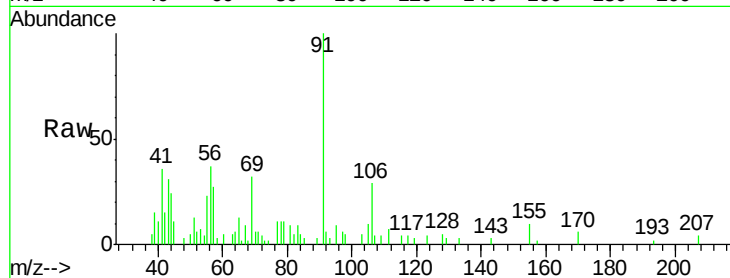
1608

Tot Ion: 91 Resp: 3452

Ion Ratio Lower Upper

91 100

106 29.9 24.0 36.0



#68

m/p-Xylenes

Concen: 0.418 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019524.D

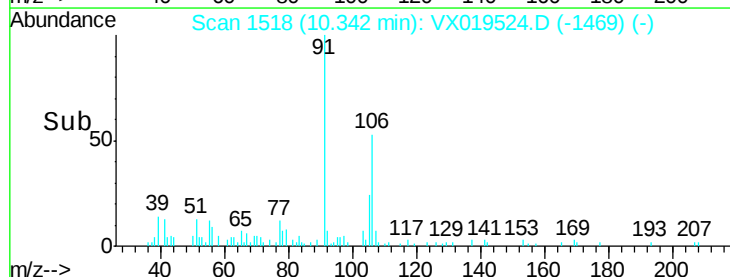
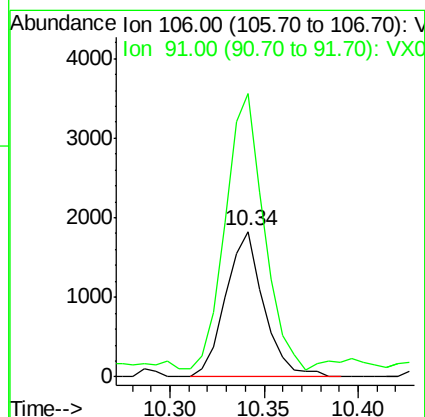
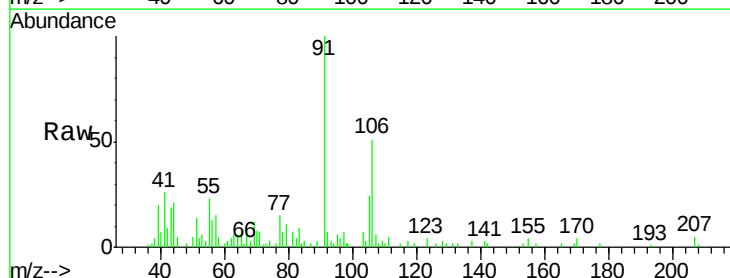
Acq: 21 Nov 2020 03:57

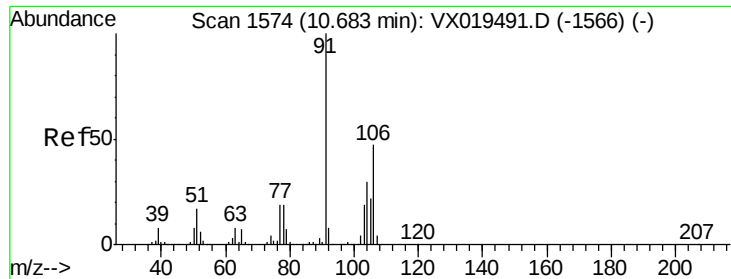
Tgt Ion: 106 Resp: 2558

Ion Ratio Lower Upper

106 100

91 190.5 163.3 244.9

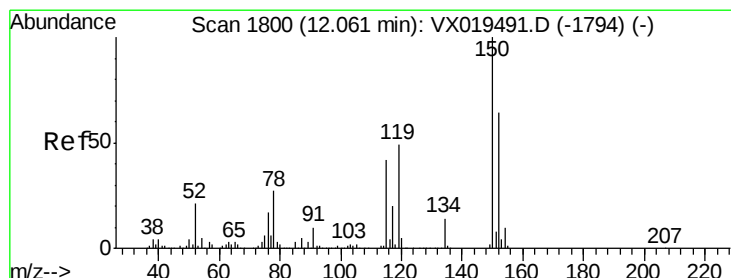
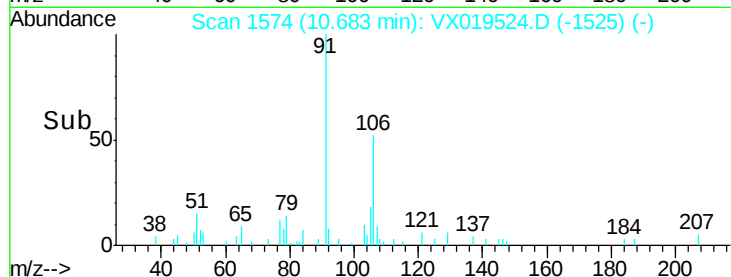
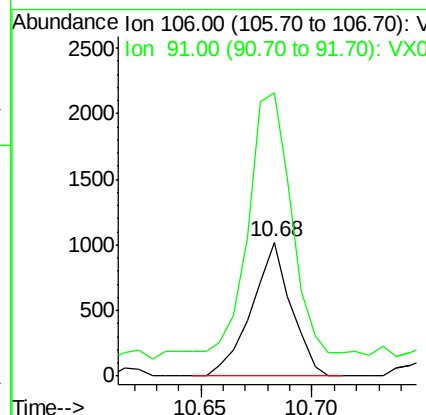
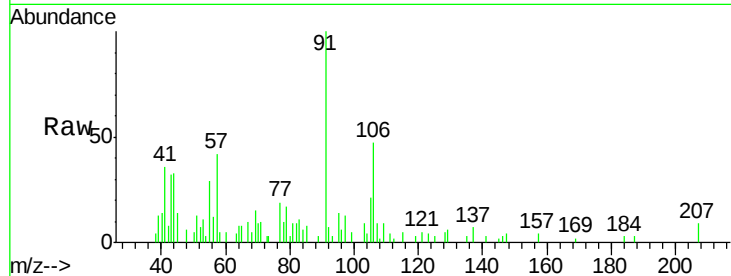




#69
o-Xylene
Concen: 0.216 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019524.D
Acq: 21 Nov 2020 03:57

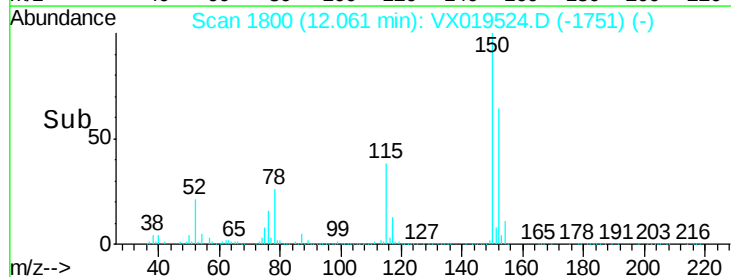
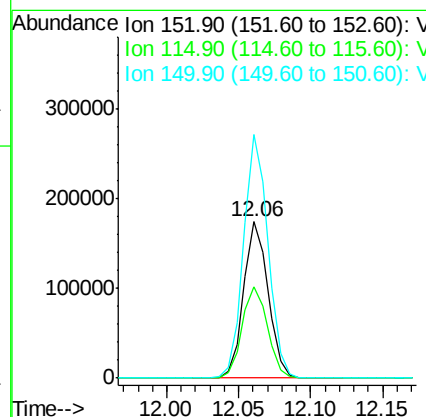
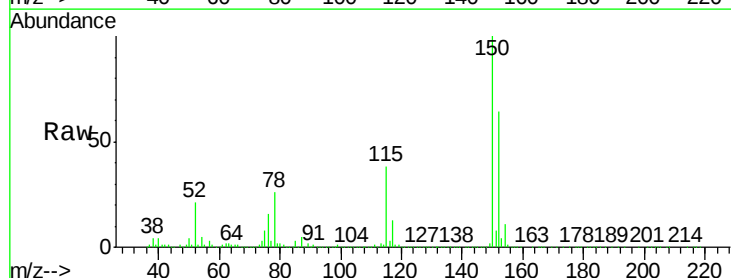
Instrument :
MSVOA_X
ClientSampled :
1608

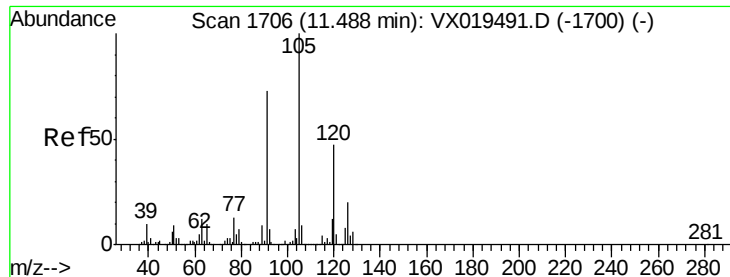
Tot Ion:106 Resp: 1261
Ion Ratio Lower Upper
106 100
91 225.6 108.0 324.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019524.D
Acq: 21 Nov 2020 03:57

Tgt Ion:152 Resp: 207063
Ion Ratio Lower Upper
152 100
115 60.2 41.8 125.4
150 154.7 0.0 348.2

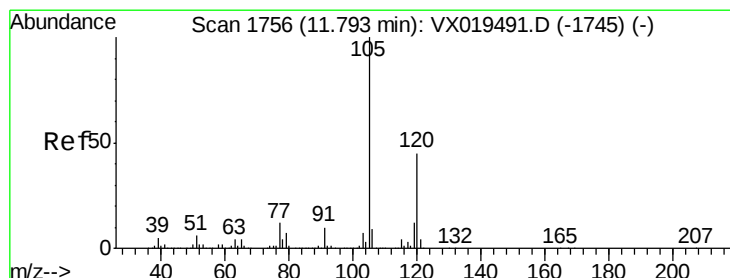
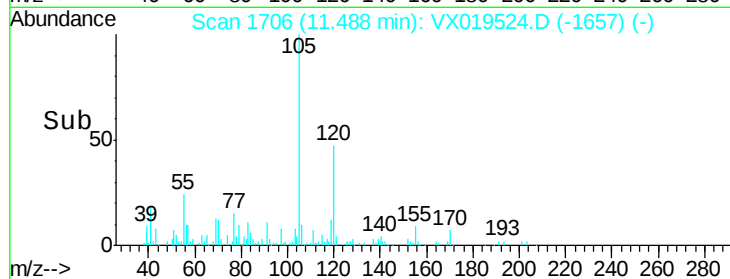
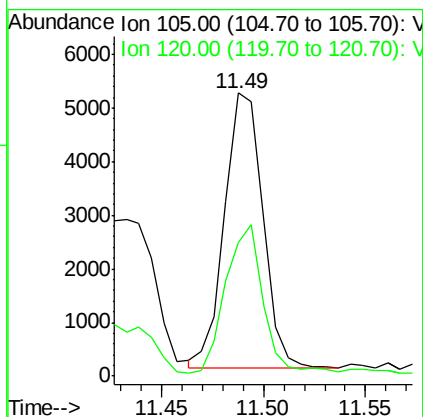
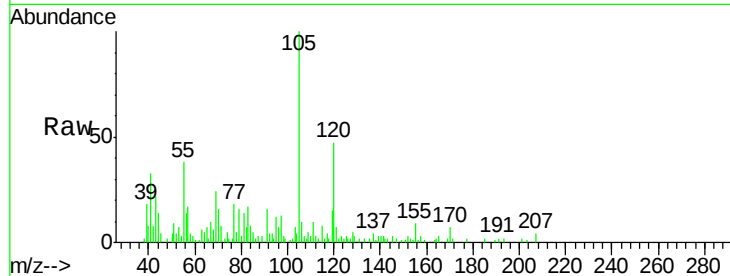




#80
 1,3,5-Trimethylbenzene
 Concen: 0.554 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX019524.D
 Acq: 21 Nov 2020 03:57

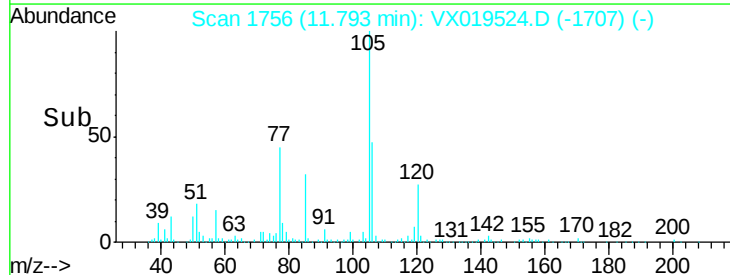
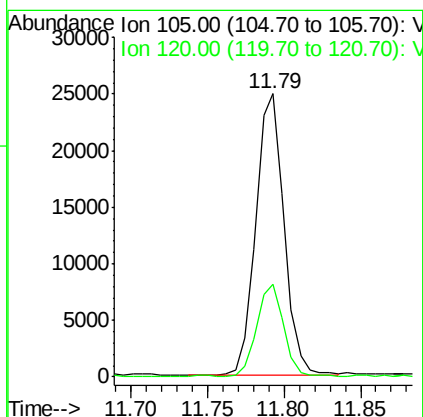
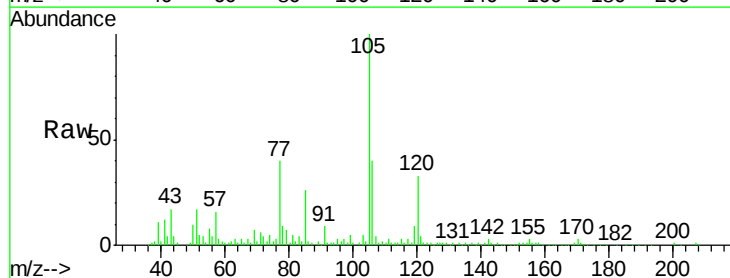
Instrument :
 MSVOA_X
 ClientSampleId :
 1608

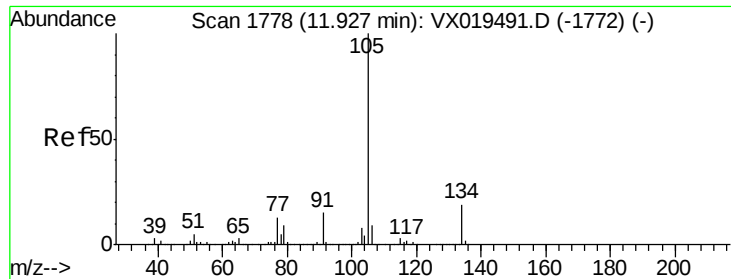
Tot Ion:105 Resp: 6656
 Ion Ratio Lower Upper
 105 100
 120 53.0 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 2.643 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019524.D
 Acq: 21 Nov 2020 03:57

Tgt Ion:105 Resp: 32133
 Ion Ratio Lower Upper
 105 100
 120 30.8 22.2 66.6





#85

sec-Butylbenzene

Concen: 0.713 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX019524.D

Acq: 21 Nov 2020 03:57

Instrument :

MSVOA_X

ClientSampleId :

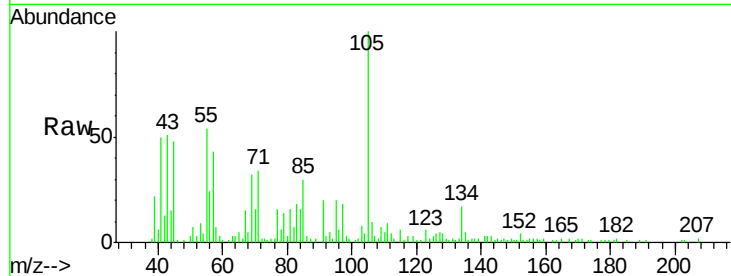
1608

Tot Ion:105 Resp: 9857

Ion Ratio Lower Upper

105 100

134 23.9 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

8000

6000

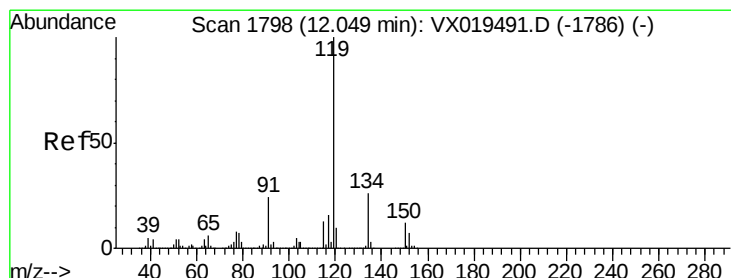
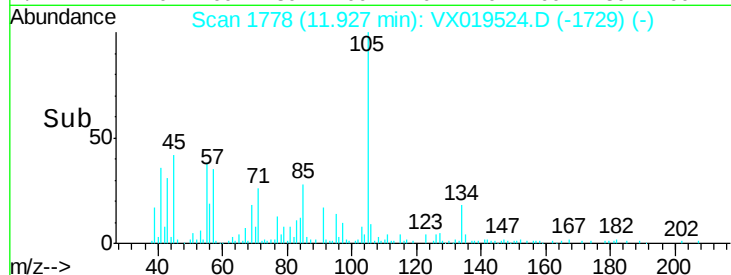
4000

2000

0

Time-->

11.90 11.95



#86

p-Isopropyltoluene

Concen: 0.947 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019524.D

Acq: 21 Nov 2020 03:57

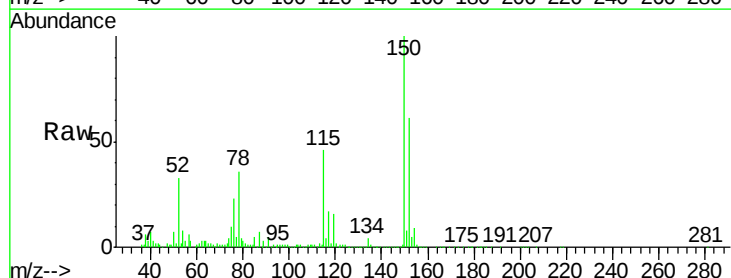
Tgt Ion:119 Resp: 11894

Ion Ratio Lower Upper

119 100

134 28.5 13.1 39.3

91 30.6 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.05

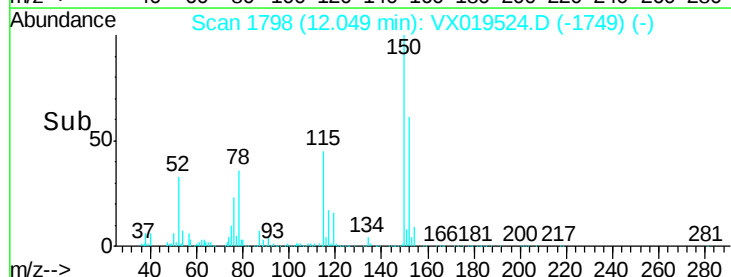
10000

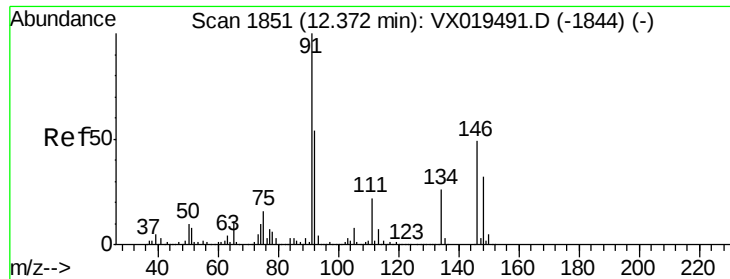
5000

0

Time-->

12.00 12.05 12.10

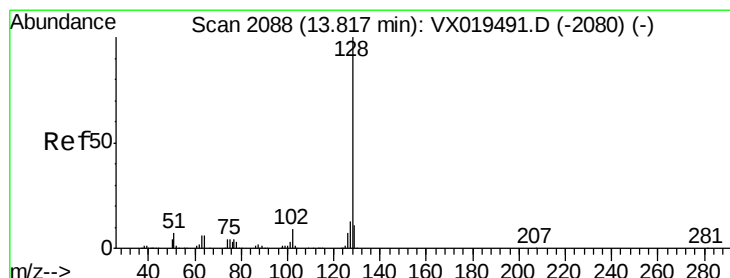
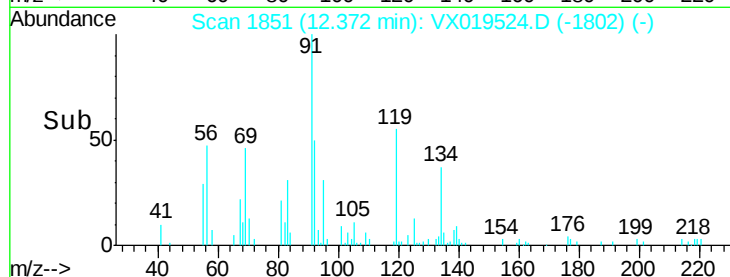
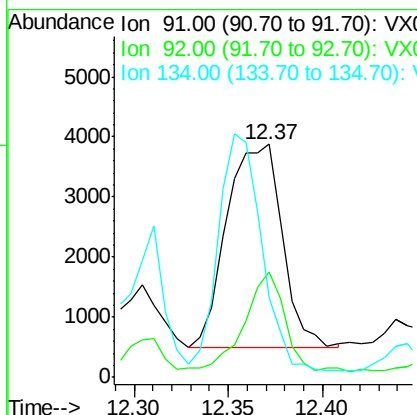
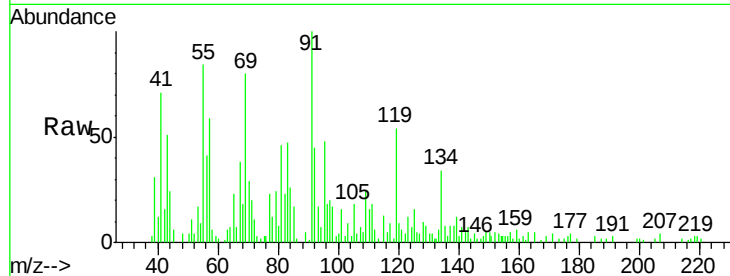




#89
n-Butylbenzene
Concen: 0.601 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019524.D
Acq: 21 Nov 2020 03:57

Instrument :
MSVOA_X
ClientSampled :
1608

Tot Ion: 91 Resp: 6826
Ion Ratio Lower Upper
91 100
92 35.7 26.9 80.6
134 92.9 12.9 38.6#



#95
Naphthalene
Concen: 3.756 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019524.D
Acq: 21 Nov 2020 03:57

Tgt Ion: 128 Resp: 25205
Ion Ratio Lower Upper
128 100
127 15.2 10.3 15.5
129 19.1 8.7 13.1#

