

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019525.D
 Acq On : 21 Nov 2020 04:20
 Operator : JC/MD
 Sample : L4779-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1643

Quant Time: Nov 21 07:09:18 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	327533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	530717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	472691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	216392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	192204	45.26	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.52%
35) Dibromofluoromethane	5.46	113	156050	46.84	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.68%
50) Toluene-d8	8.70	98	626698	48.41	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.82%
62) 4-Bromofluorobenzene	11.12	95	229196	49.21	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.42%

Target Compounds

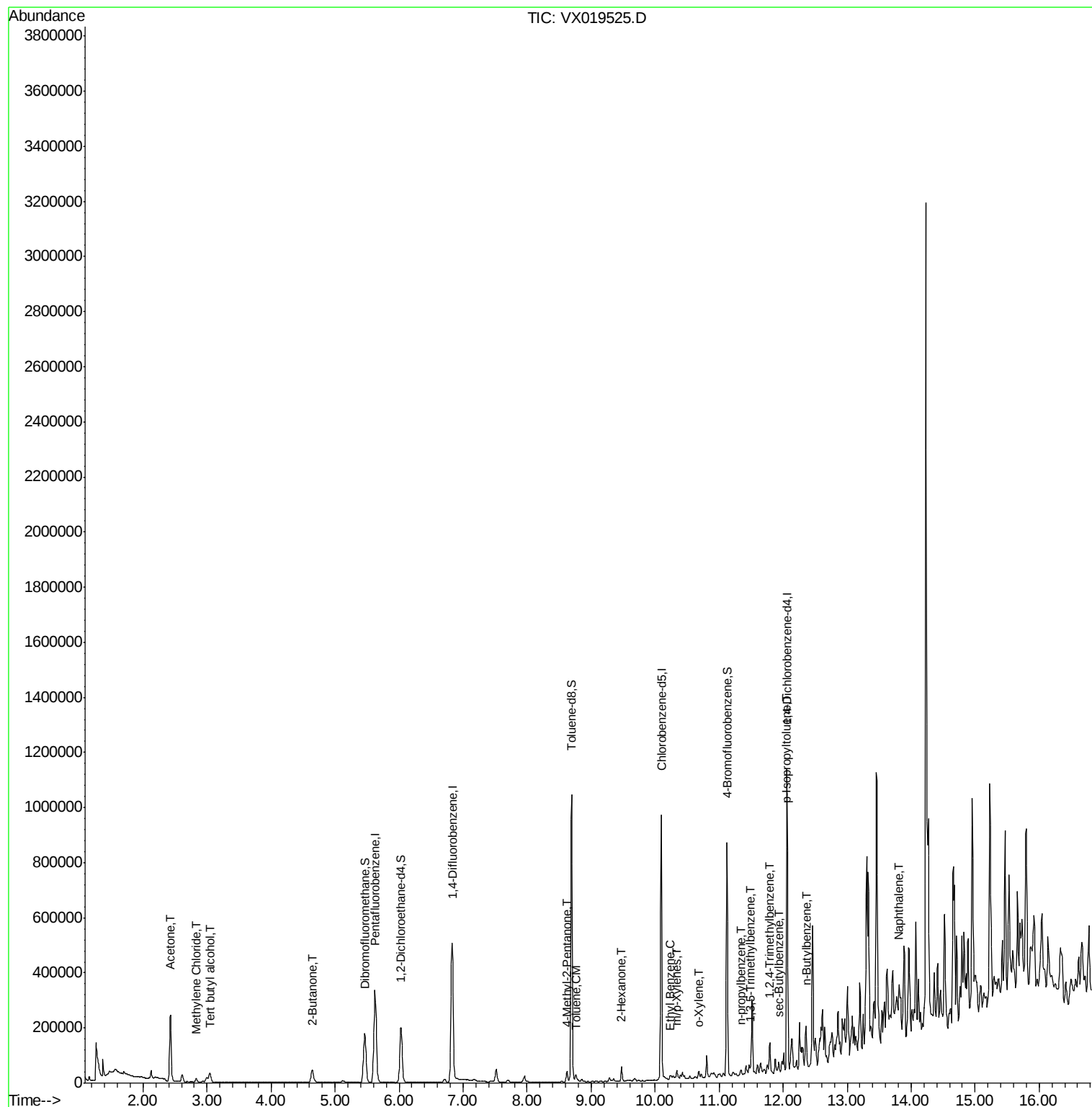
					Qvalue
11) Tert butyl alcohol	3.04	59	58797	73.158	ug/l 97
16) Acetone	2.43	43	257727	156.931	ug/l 99
20) Methylene Chloride	2.83	84	6002	1.462	ug/l 91
25) 2-Butanone	4.64	43	80931	32.805	ug/l 100
51) 4-Methyl-2-Pentanone	8.62	43	22705	4.959	ug/l 99
52) Toluene	8.76	92	5680	0.607	ug/l 90
59) 2-Hexanone	9.48	43	26237	7.556	ug/l 97
67) Ethyl Benzene	10.23	91	5884	0.346	ug/l 93
68) m/p-Xylenes	10.34	106	7198	1.135	ug/l 83
69) o-Xylene	10.68	106	5069	0.836	ug/l 100
78) n-propylbenzene	11.34	91	6278	0.366	ug/l 93
80) 1,3,5-Trimethylbenzene	11.49	105	9209	0.733	ug/l 96
84) 1,2,4-Trimethylbenzene	11.79	105	41938	3.301	ug/l 98
85) sec-Butylbenzene	11.93	105	6307	0.436	ug/l 90
86) p-Isopropyltoluene	12.05	119	6335	0.483	ug/l 88
89) n-Butylbenzene	12.37	91	18363	1.548	ug/l # 35
95) Naphthalene	13.82	128	121063	9.433	ug/l # 94

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

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
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1643

Quant Time: Nov 21 07:09:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019525.D

Acq: 21 Nov 2020 04:20

Instrument :

MSVOA_X

ClientSampleId :

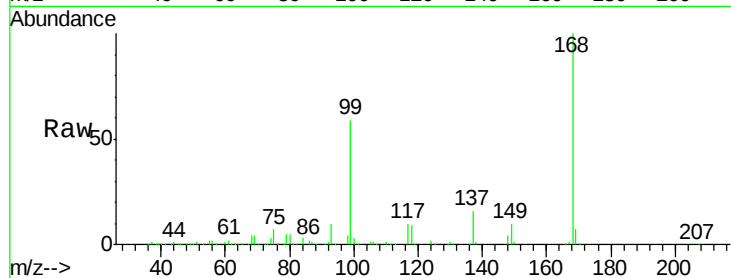
1643

Tot Ion:168 Resp: 327533

Ion Ratio Lower Upper

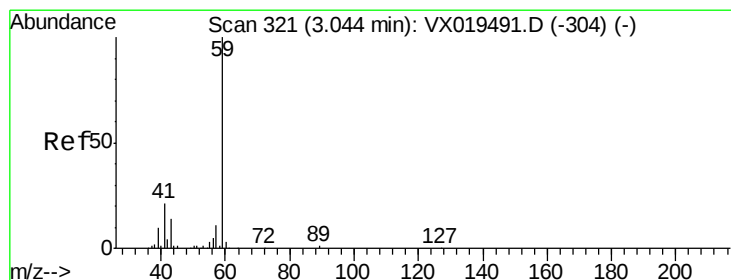
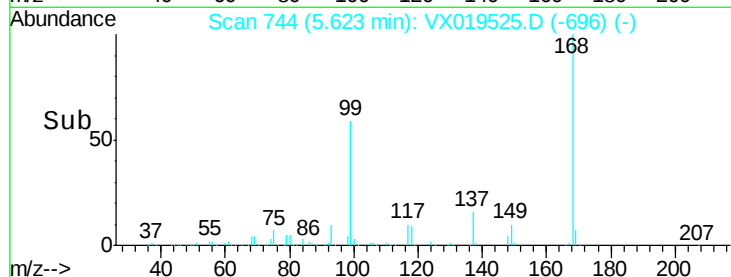
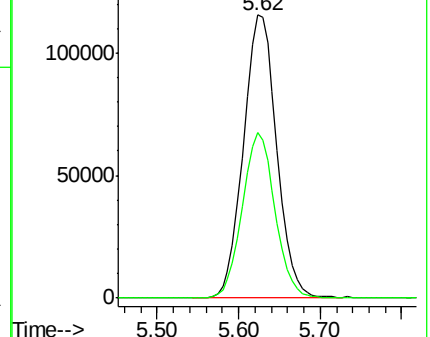
168 100

99 58.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 73.158 ug/l

RT: 3.04 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX019525.D

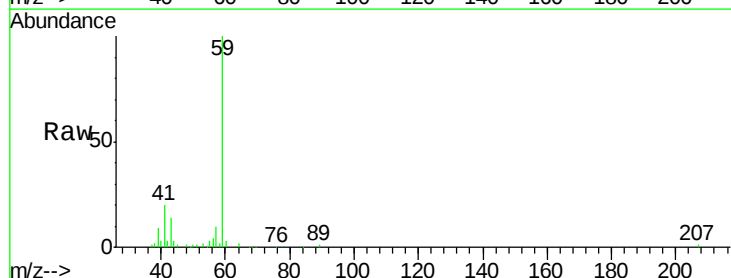
Acq: 21 Nov 2020 04:20

Tgt Ion: 59 Resp: 58797

Ion Ratio Lower Upper

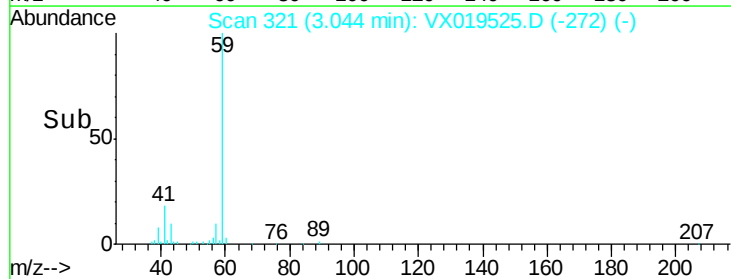
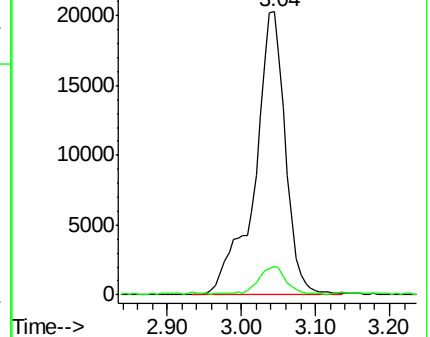
59 100

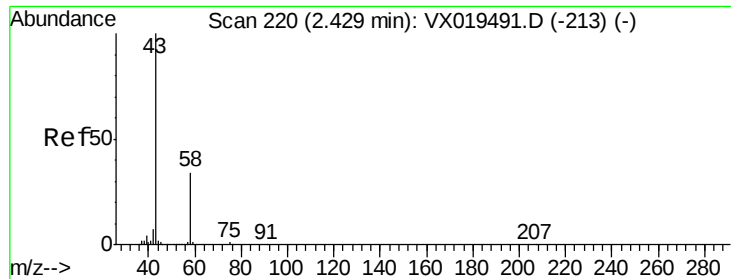
57 8.6 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

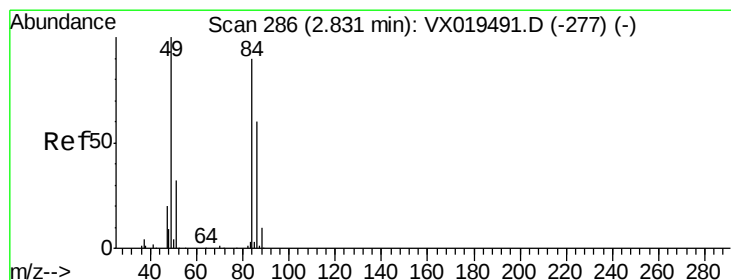
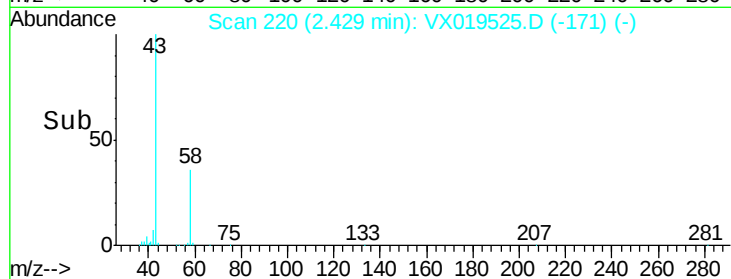
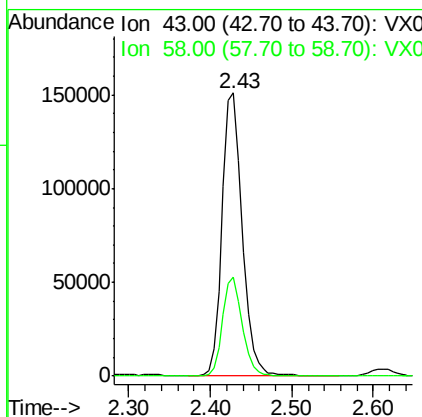
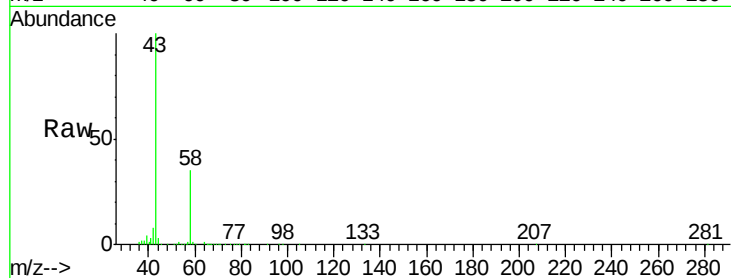




#16
Acetone
Concen: 156.931 ug/l
RT: 2.43 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX019525.D
Acq: 21 Nov 2020 04:20

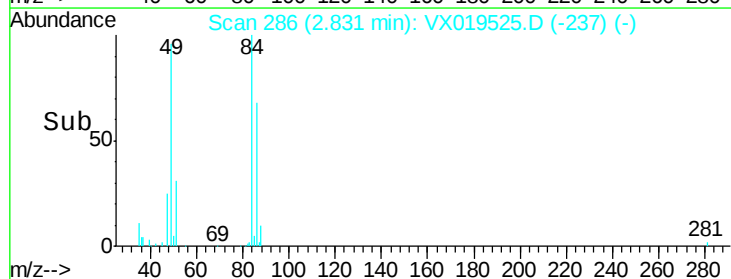
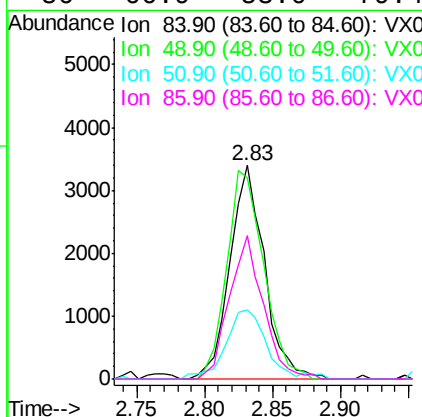
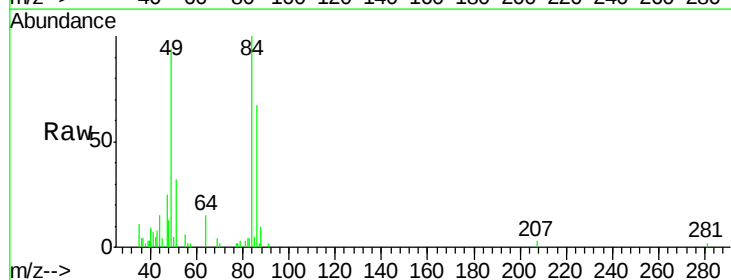
Instrument :
MSVOA_X
ClientSampleId :
1643

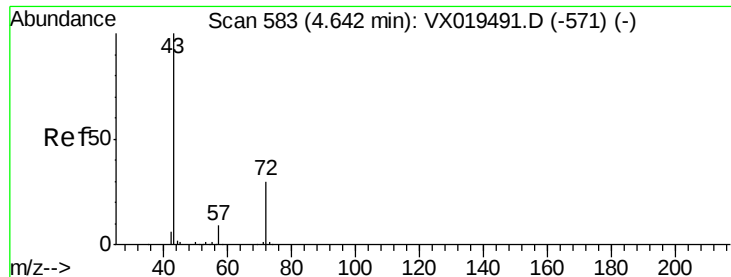
Tot Ion: 43 Resp: 257727
Ion Ratio Lower Upper
43 100
58 34.9 27.4 41.2



#20
Methylene Chloride
Concen: 1.462 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019525.D
Acq: 21 Nov 2020 04:20

Tgt Ion: 84 Resp: 6002
Ion Ratio Lower Upper
84 100
49 94.1 88.5 132.7
51 32.4 28.0 42.0
86 66.9 53.0 79.4





#25

2-Butanone

Concen: 32.805 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX019525.D

Acq: 21 Nov 2020 04:20

Instrument :

MSVOA_X

ClientSampled :

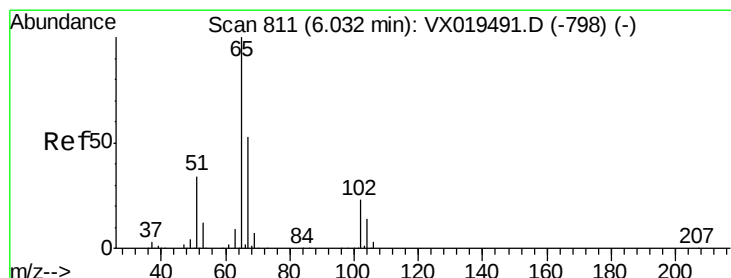
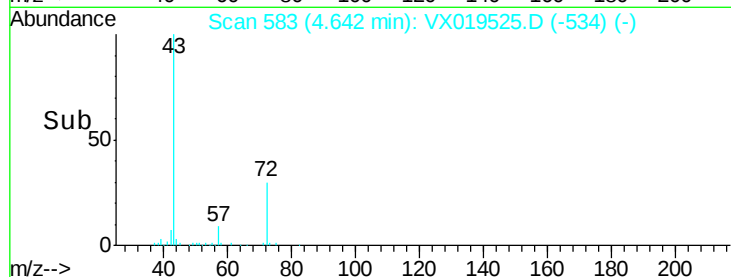
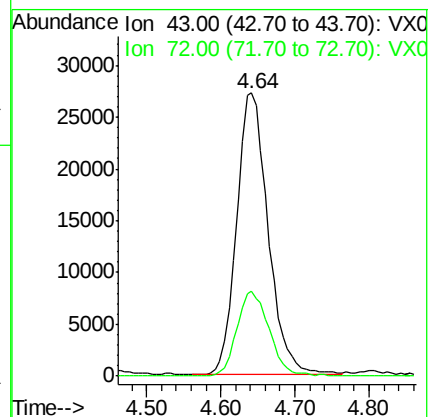
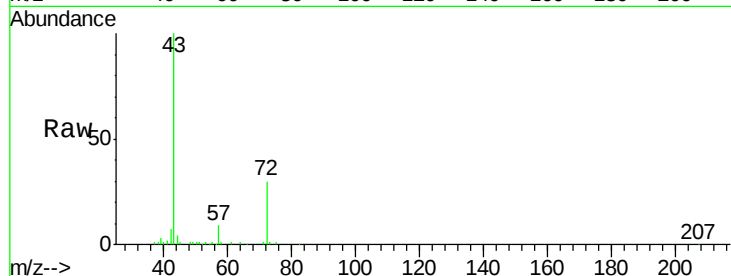
1643

Tot Ion: 43 Resp: 80931

Ion Ratio Lower Upper

43 100

72 30.2 24.0 36.0



#33

1,2-Dichloroethane-d4

Concen: 45.259 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019525.D

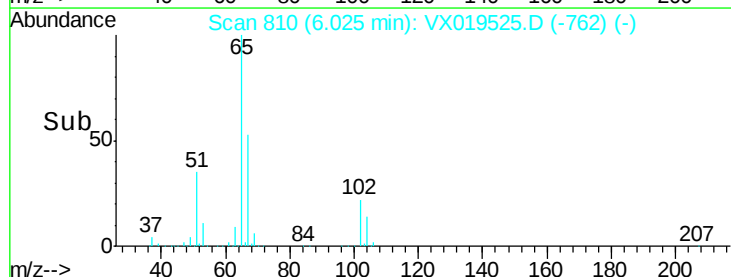
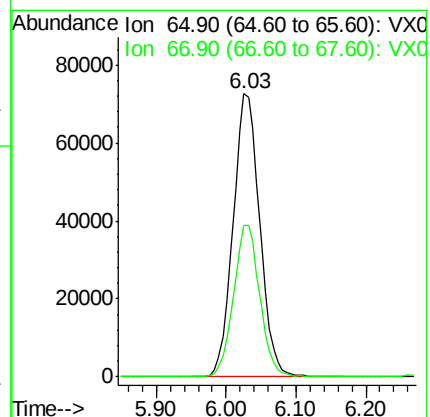
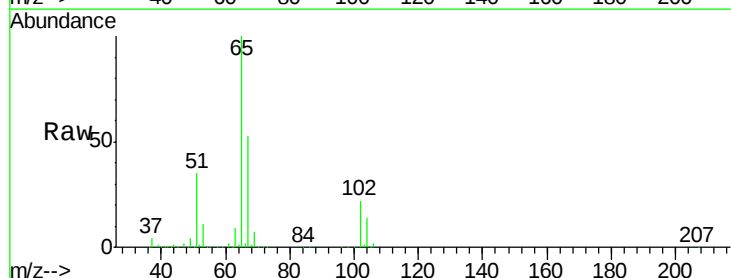
Acq: 21 Nov 2020 04:20

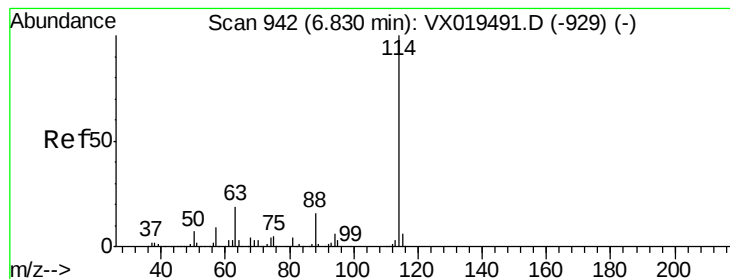
Tgt Ion: 65 Resp: 192204

Ion Ratio Lower Upper

65 100

67 53.0 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: VX019525.D

Acq: 21 Nov 2020 04:20

Instrument :

MSVOA_X

ClientSampleId :

1643

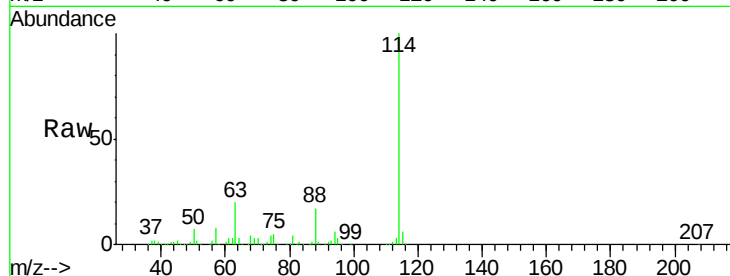
Tot Ion:114 Resp: 530717

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

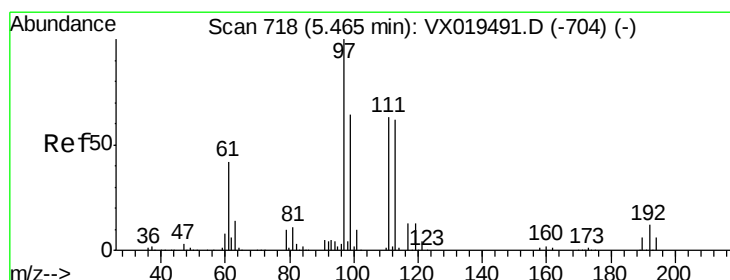
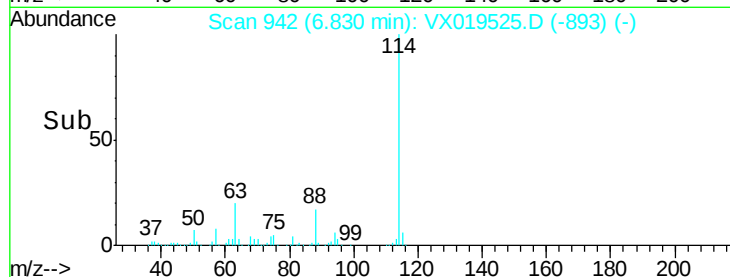
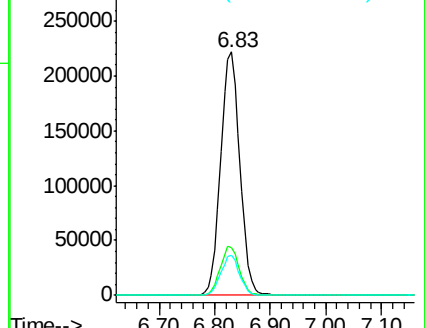
88 16.5 0.0 31.6



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: 46.843 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019525.D

Acq: 21 Nov 2020 04:20

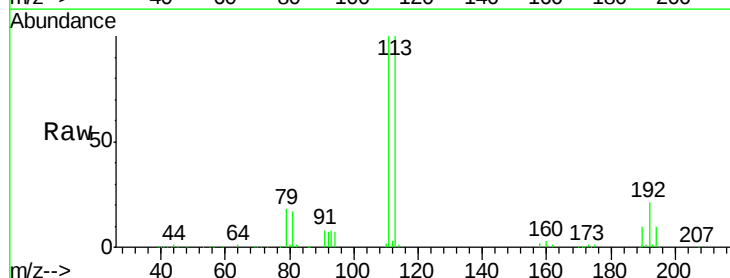
Tgt Ion:113 Resp: 156050

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

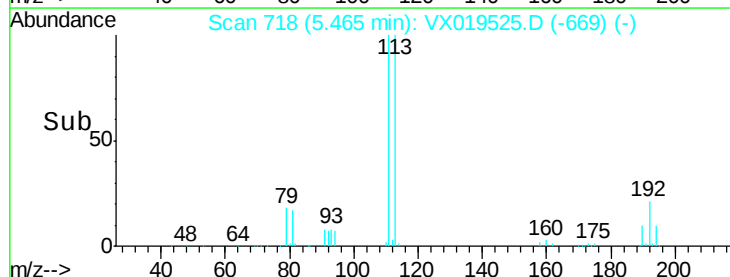
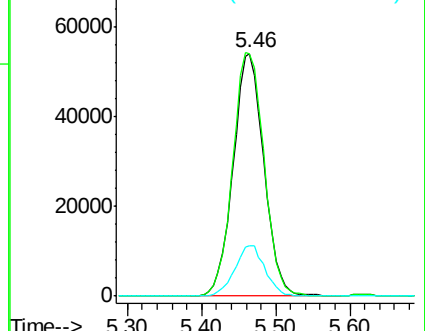
192 20.6 16.2 24.2

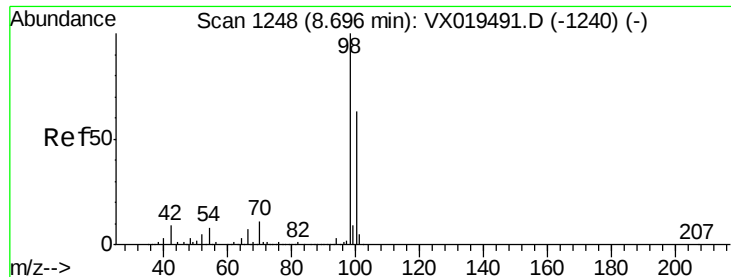


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

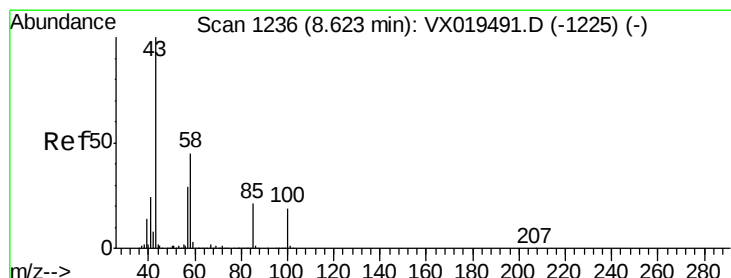
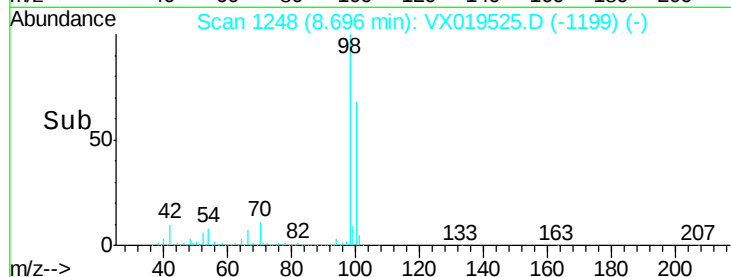
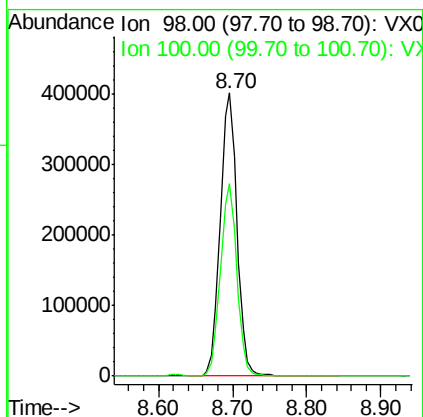
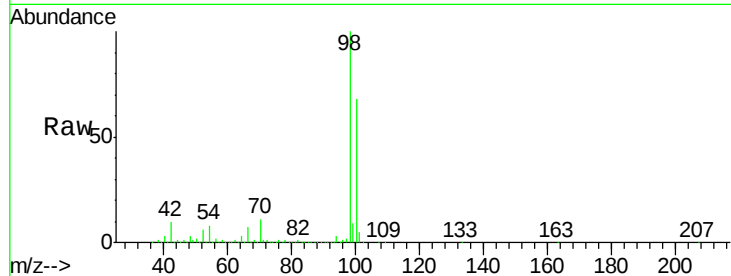




#50
Toluene-d8
Concen: 48.412 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019525.D
Acq: 21 Nov 2020 04:20

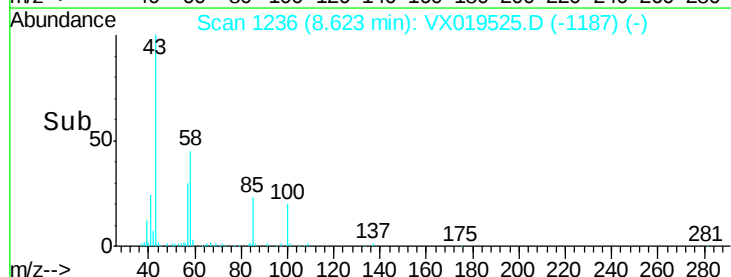
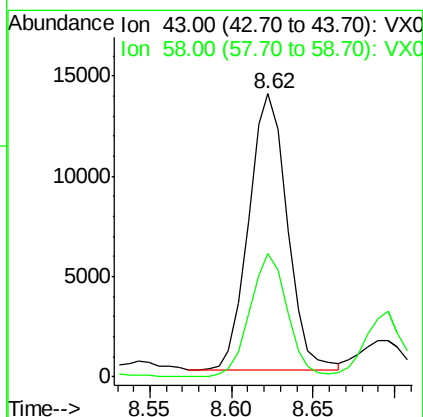
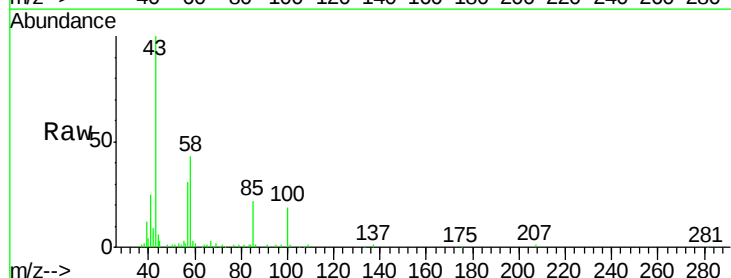
Instrument :
MSVOA_X
ClientSampled :
1643

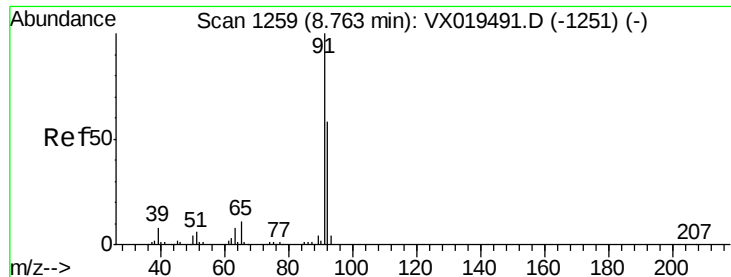
Tot Ion: 98 Resp: 626698
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 4.959 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX019525.D
Acq: 21 Nov 2020 04:20

Tgt Ion: 43 Resp: 22705
Ion Ratio Lower Upper
43 100
58 43.5 35.1 52.7





#52

Toluene

Concen: 0.607 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019525.D

Acq: 21 Nov 2020 04:20

Instrument :

MSVOA_X

ClientSampleId :

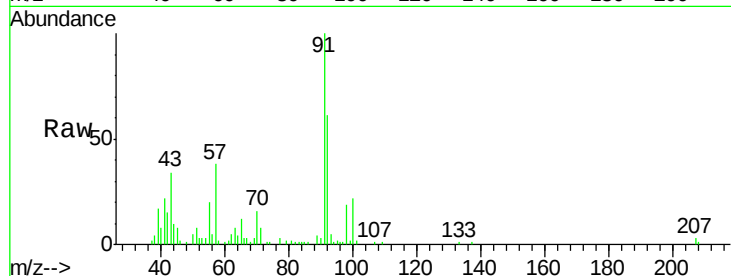
1643

Tot Ion: 92 Resp: 5680

Ion Ratio Lower Upper

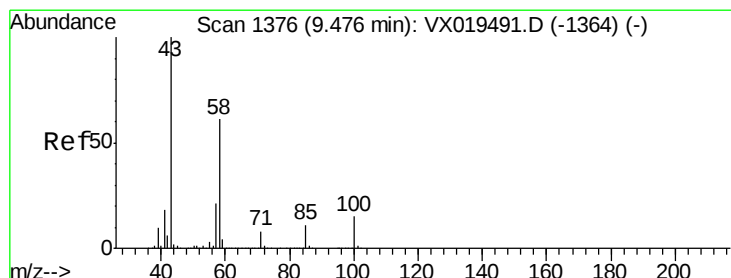
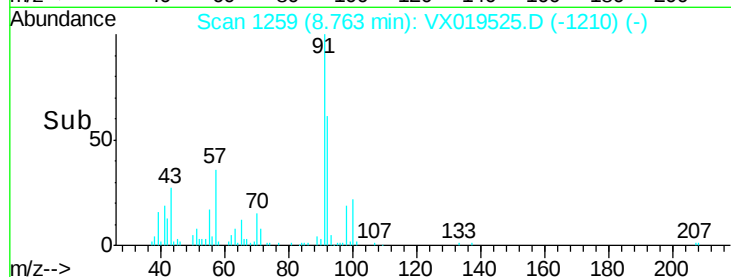
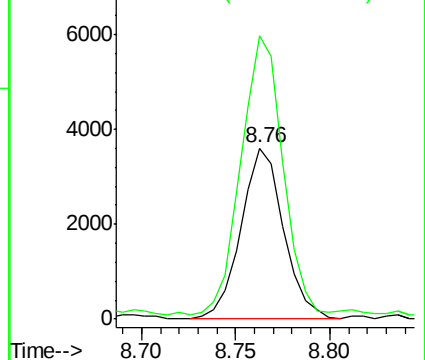
92 100

91 158.8 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 7.556 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VX019525.D

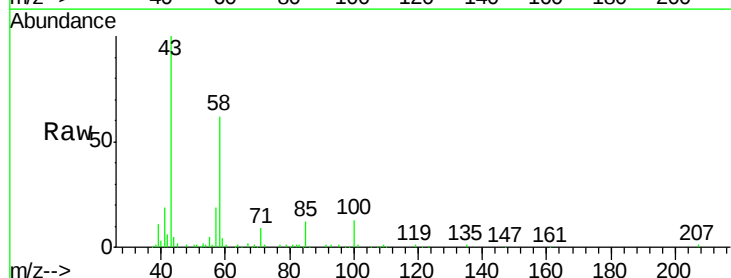
Acq: 21 Nov 2020 04:20

Tgt Ion: 43 Resp: 26237

Ion Ratio Lower Upper

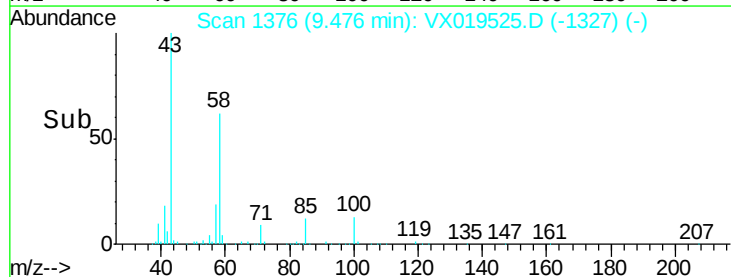
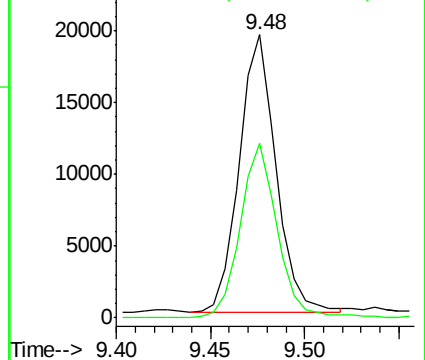
43 100

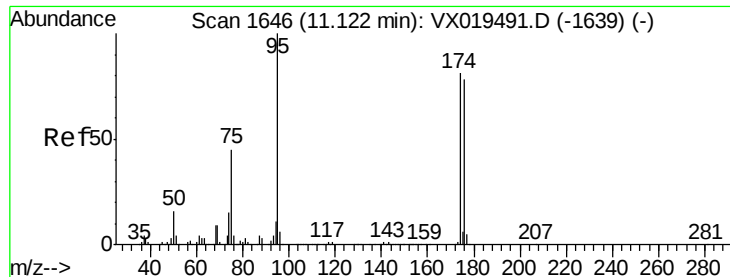
58 63.1 30.6 91.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 49.210 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019525.D

Acq: 21 Nov 2020 04:20

Instrument :

MSVOA_X

ClientSampleId :

1643

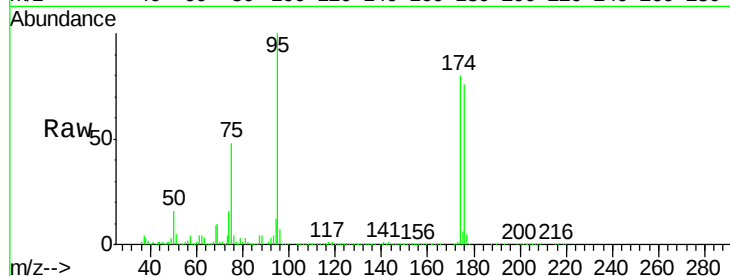
Tot Ion: 95 Resp: 229196

Ion Ratio Lower Upper

95 100

174 77.2 0.0 156.2

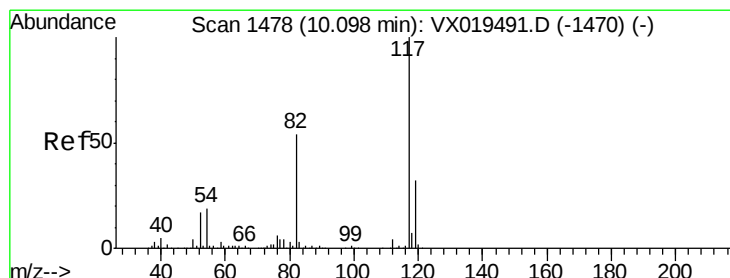
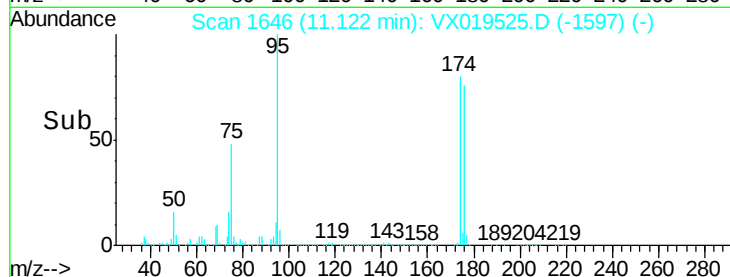
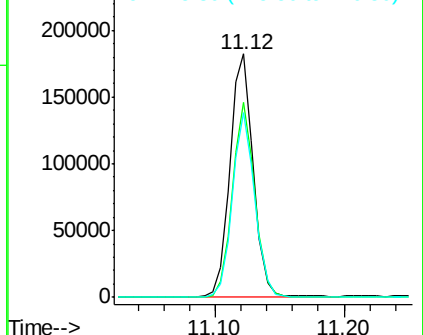
176 73.6 0.0 151.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX019525.D

Acq: 21 Nov 2020 04:20

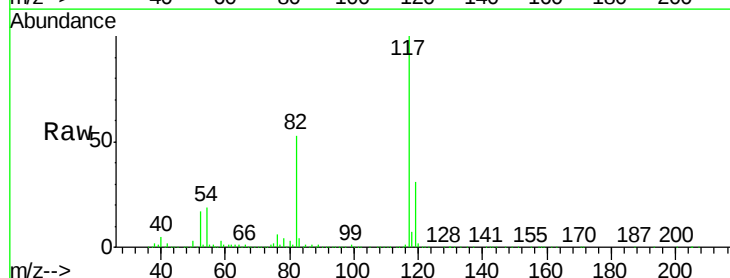
Tgt Ion: 117 Resp: 472691

Ion Ratio Lower Upper

117 100

82 52.7 43.0 64.4

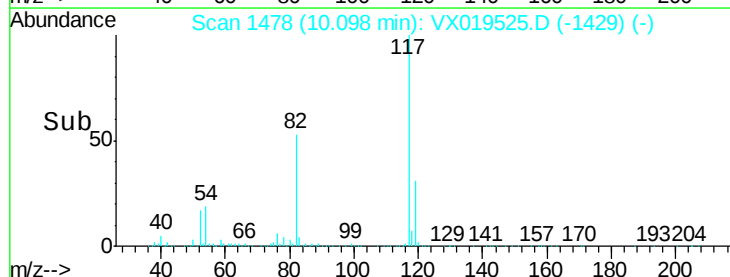
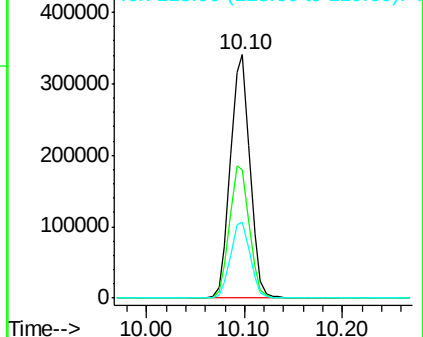
119 31.1 25.6 38.4

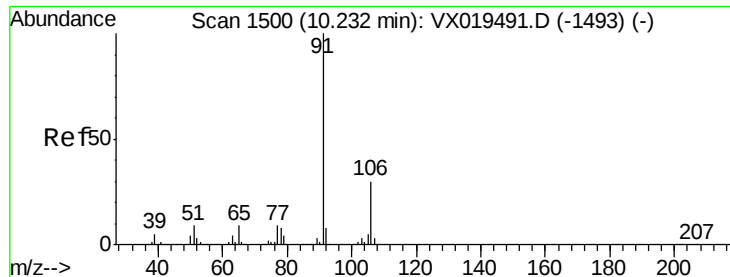


Abundance Ion 116.90 (116.60 to 117.60): VX019491.D (-1470) (-)

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

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

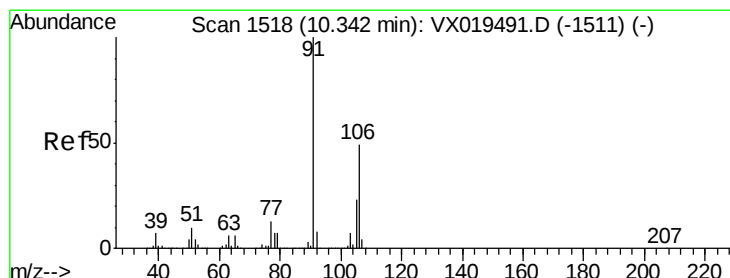
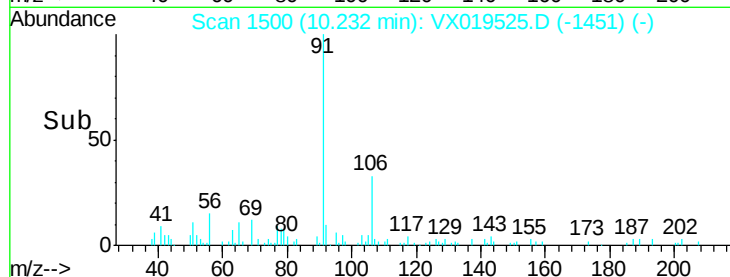
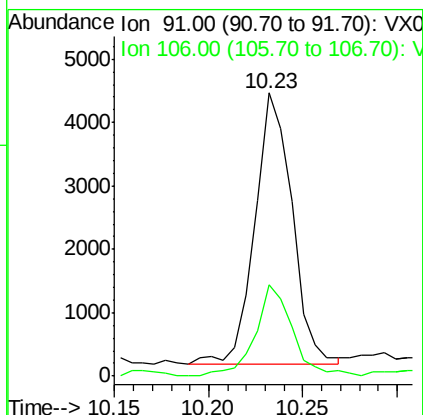
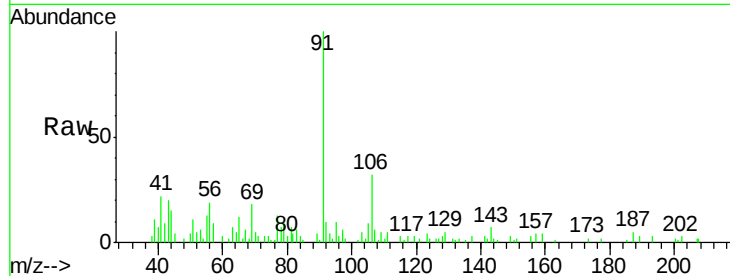




#67
Ethyl Benzene
Concen: 0.346 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019525.D
Acq: 21 Nov 2020 04:20

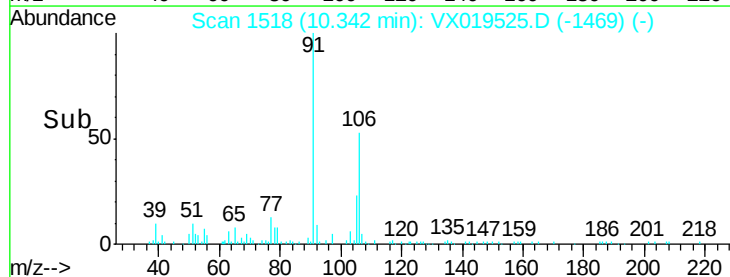
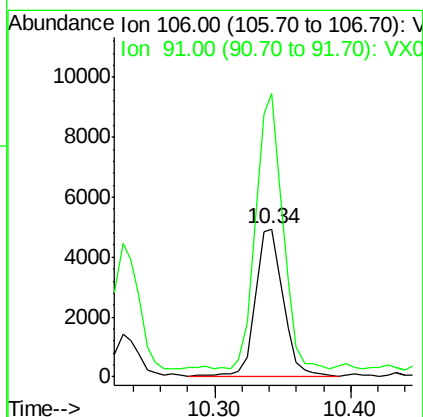
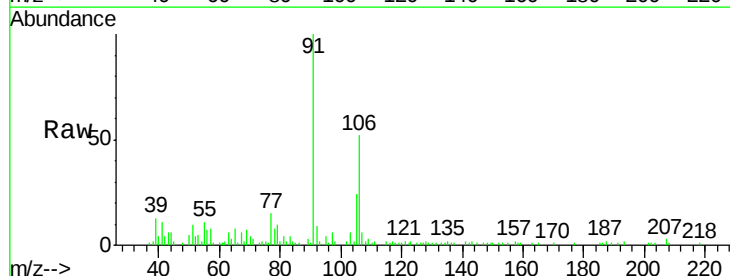
Instrument :
MSVOA_X
ClientSampled :
1643

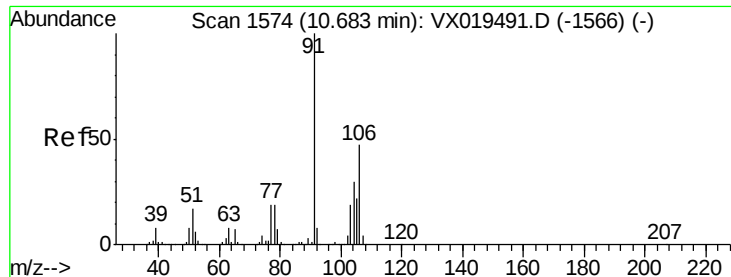
Tot Ion: 91 Resp: 5884
Ion Ratio Lower Upper
91 100
106 33.7 24.0 36.0



#68
m/p-Xylenes
Concen: 1.135 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019525.D
Acq: 21 Nov 2020 04:20

Tgt Ion: 106 Resp: 7198
Ion Ratio Lower Upper
106 100
91 177.4 163.3 244.9

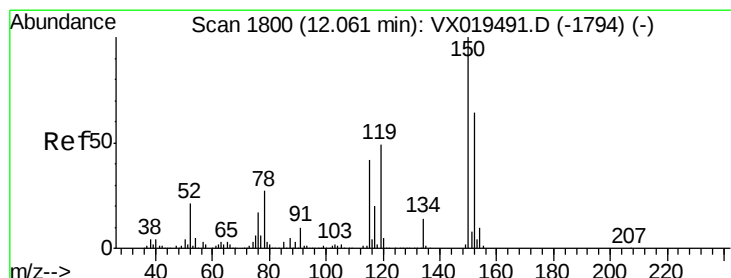
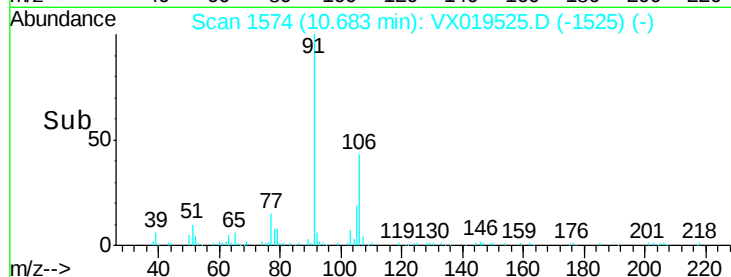
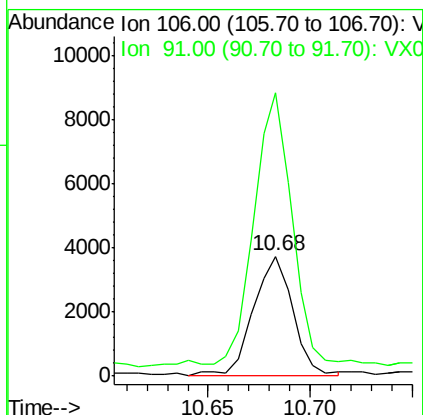
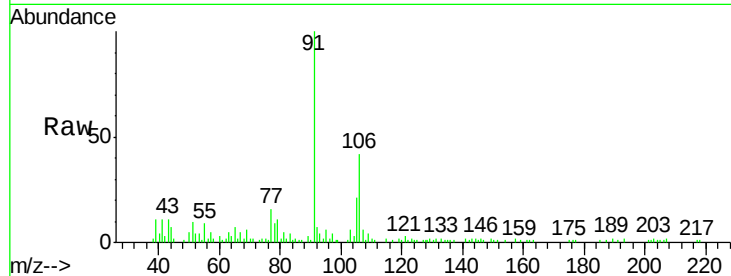




#69
o-Xylene
Concen: 0.836 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019525.D
Acq: 21 Nov 2020 04:20

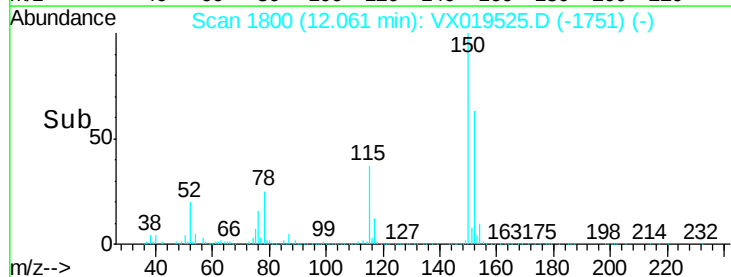
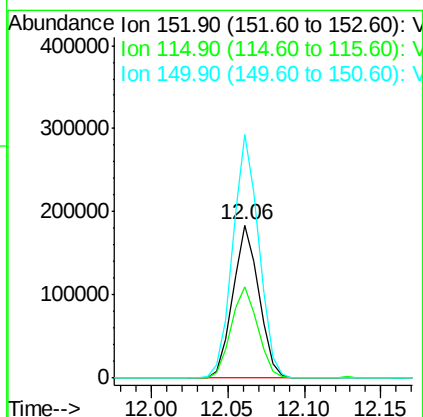
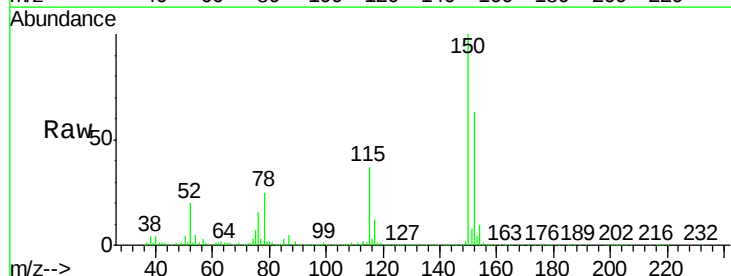
Instrument :
MSVOA_X
ClientSampled :
1643

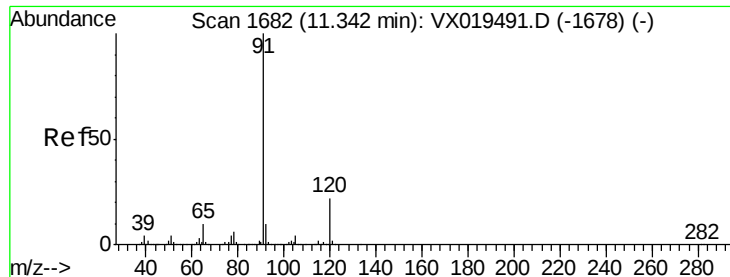
Tot Ion:106 Resp: 5069
Ion Ratio Lower Upper
106 100
91 216.6 108.0 324.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019525.D
Acq: 21 Nov 2020 04:20

Tgt Ion:152 Resp: 216392
Ion Ratio Lower Upper
152 100
115 60.7 41.8 125.4
150 159.1 0.0 348.2





#78

n-propylbenzene

Concen: 0.366 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019525.D

Acq: 21 Nov 2020 04:20

Instrument :

MSVOA_X

ClientSampleId :

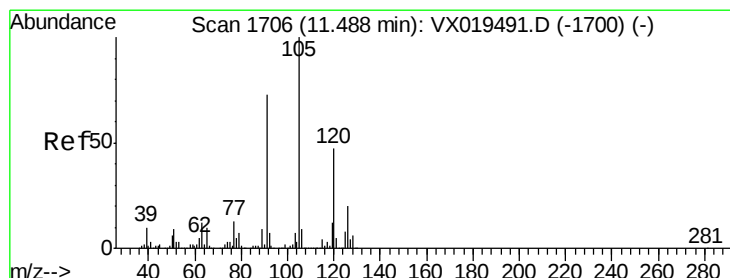
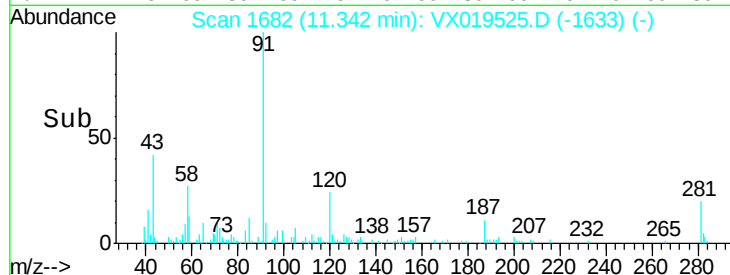
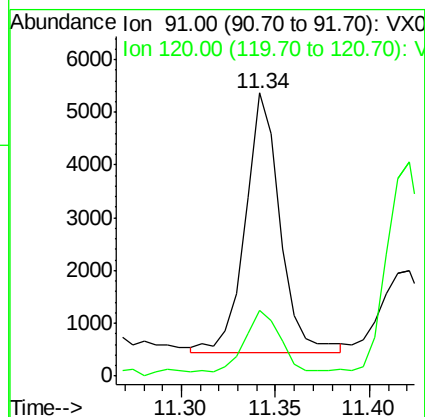
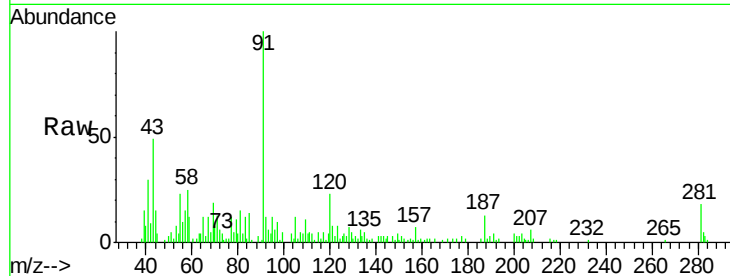
1643

Tot Ion: 91 Resp: 6278

Ion Ratio Lower Upper

91 100

120 26.5 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 0.733 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019525.D

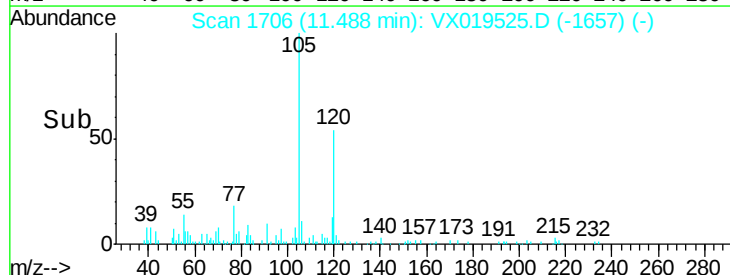
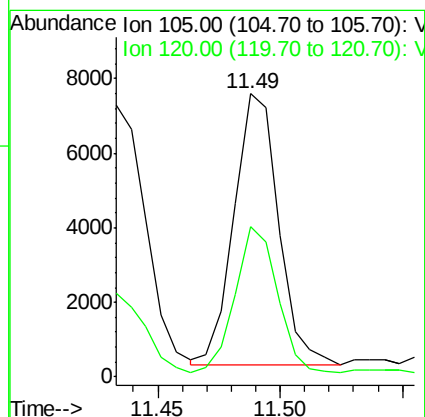
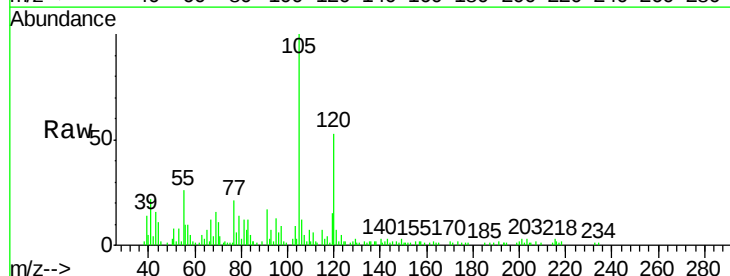
Acq: 21 Nov 2020 04:20

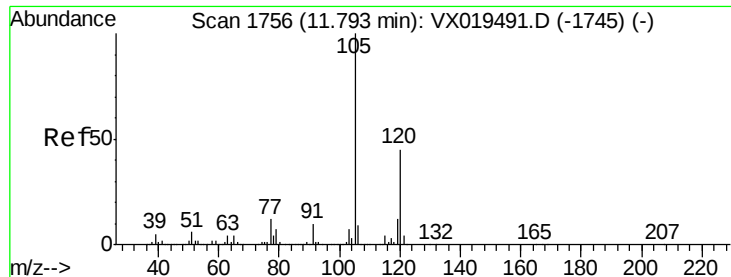
Tgt Ion: 105 Resp: 9209

Ion Ratio Lower Upper

105 100

120 50.7 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 3.301 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019525.D

Acq: 21 Nov 2020 04:20

Instrument :

MSVOA_X

ClientSampleId :

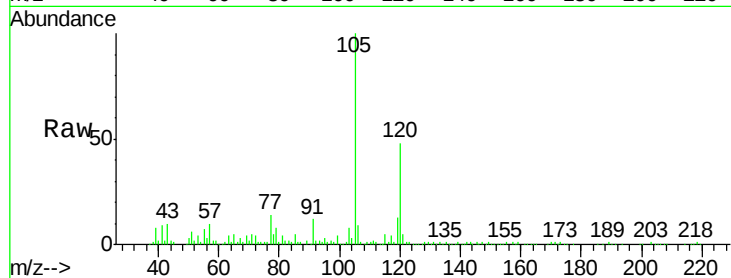
1643

Tot Ion:105 Resp: 41938

Ion Ratio Lower Upper

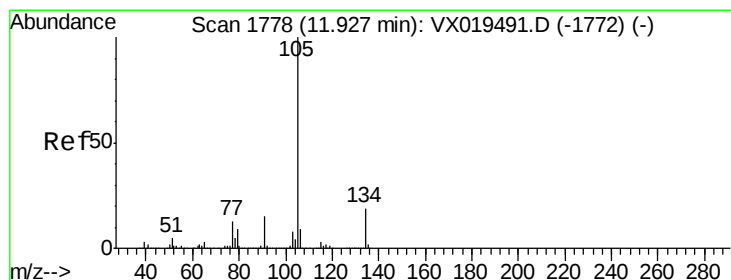
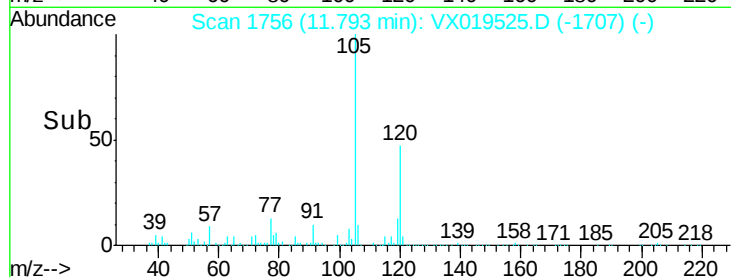
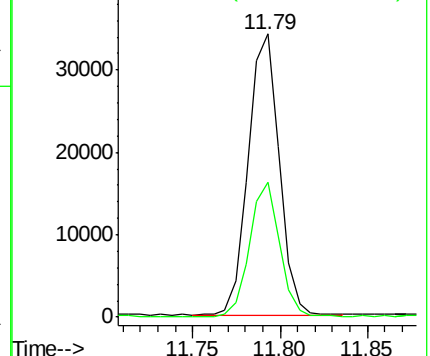
105 100

120 45.9 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.436 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019525.D

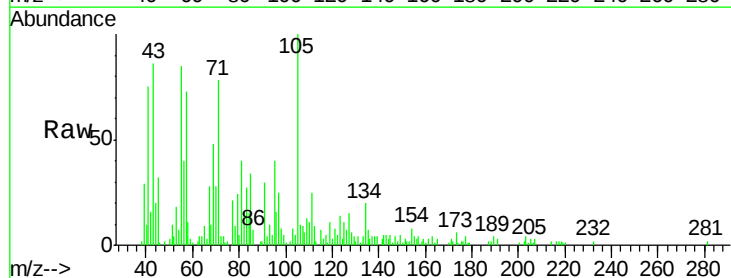
Acq: 21 Nov 2020 04:20

Tgt Ion:105 Resp: 6307

Ion Ratio Lower Upper

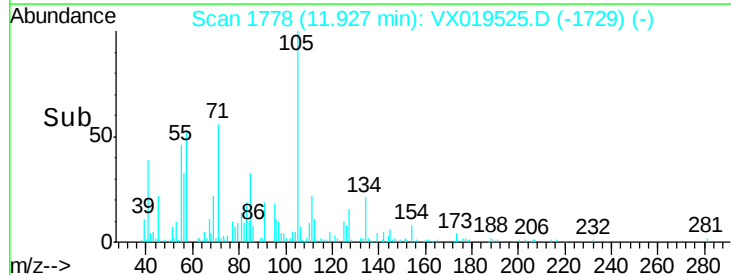
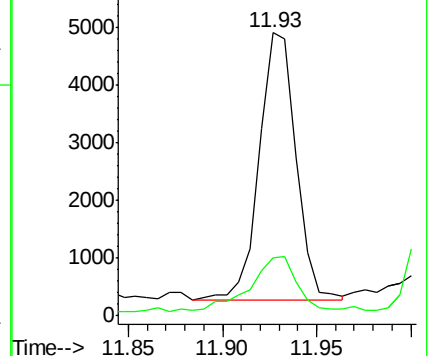
105 100

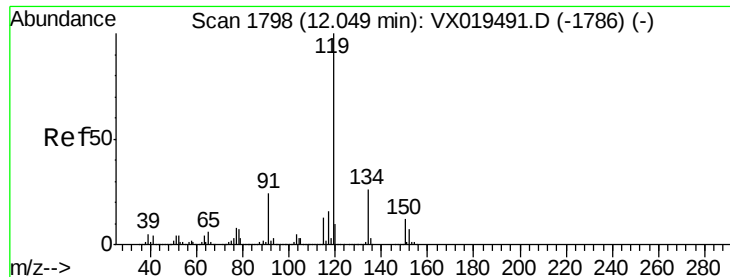
134 24.7 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

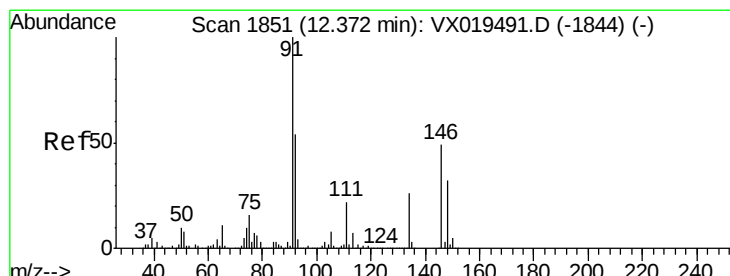
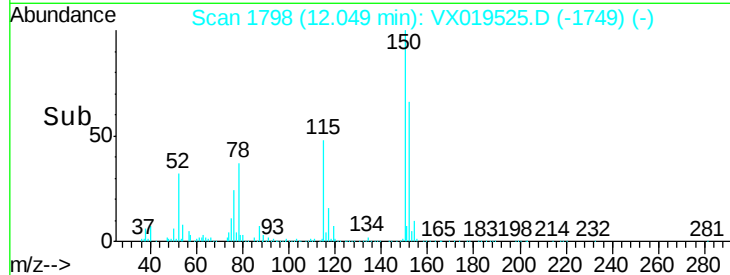
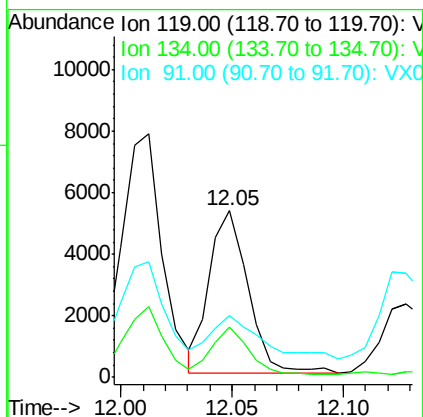
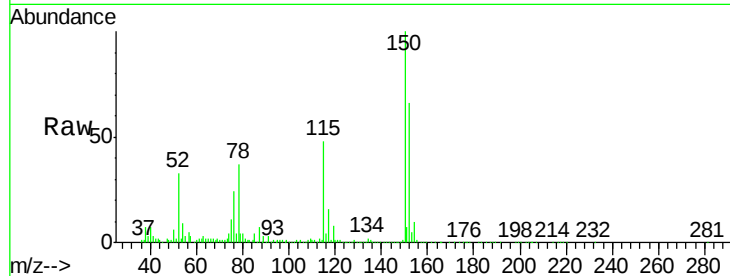




#86
 p-Isopropyltoluene
 Concen: 0.483 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX019525.D
 Acq: 21 Nov 2020 04:20

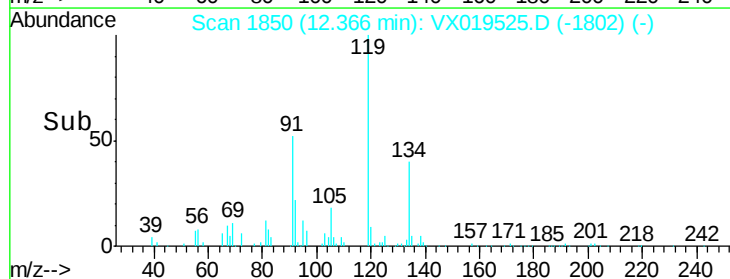
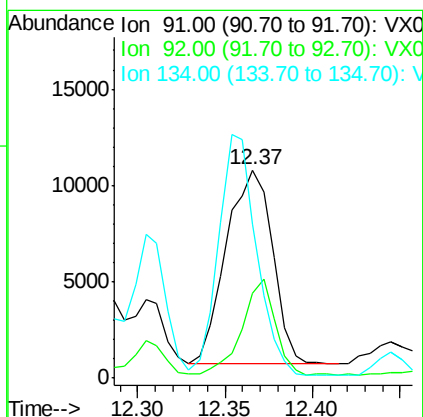
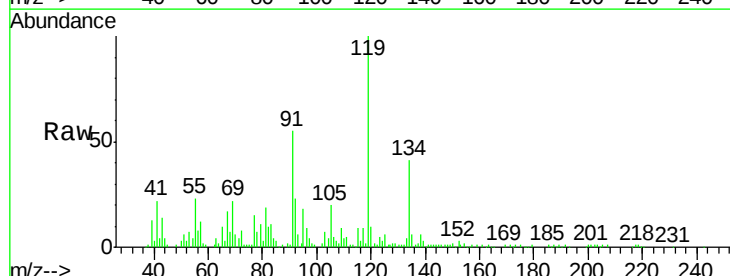
Instrument :
 MSVOA_X
 ClientSampleId :
 1643

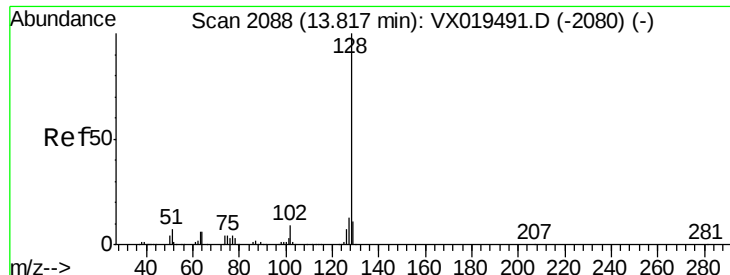
Tot Ion: 119 Resp: 6335
 Ion Ratio Lower Upper
 119 100
 134 28.2 13.1 39.3
 91 34.0 11.8 35.4



#89
 n-Butylbenzene
 Concen: 1.548 ug/l
 RT: 12.37 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: VX019525.D
 Acq: 21 Nov 2020 04:20

Tgt Ion: 91 Resp: 18363
 Ion Ratio Lower Upper
 91 100
 92 36.6 26.9 80.6
 134 102.3 12.9 38.6#





#95
Naphthalene
Concen: 9.433 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019525.D
Acq: 21 Nov 2020 04:20

Instrument :
MSVOA_X
ClientSampleId :
1643

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	14.8	8.7	13.1

