

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019547.D
 Acq On : 23 Nov 2020 13:54
 Operator : JC/MD
 Sample : L4772-08DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FD-111620DL

Quant Time: Nov 24 04:09:22 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	5.63	168	314468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	504480	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	433623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	192702	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	186052	45.63	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.26%	
35) Dibromofluoromethane		5.46	113	149974	47.36	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.72%	
50) Toluene-d8		8.70	98	587733	47.76	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.52%	
62) 4-Bromofluorobenzene		11.12	95	205678	46.46	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.92%	

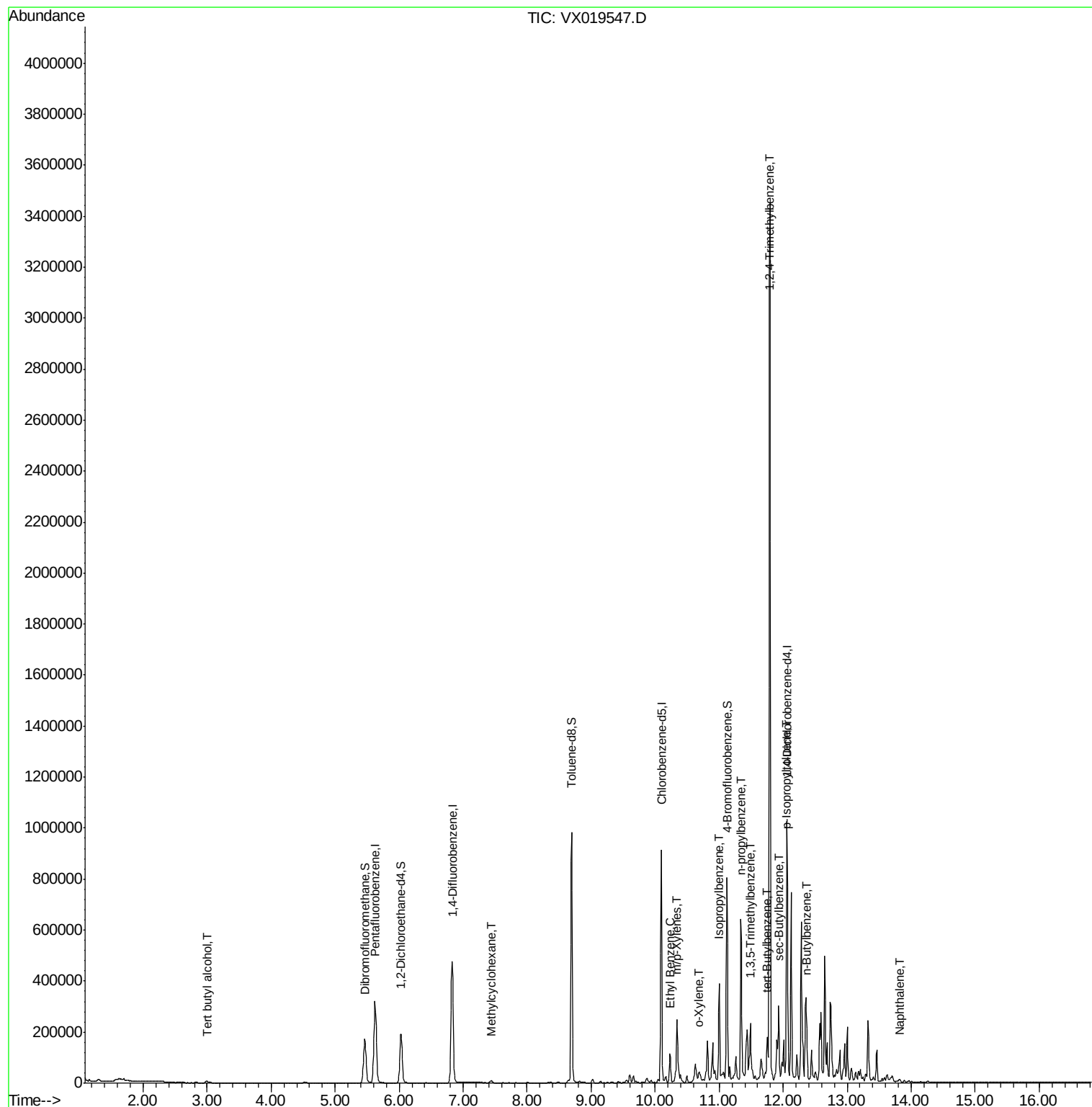
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.99	59	4437	5.750	ug/l #	73
39) Methylcyclohexane	7.44	83	3900	0.708	ug/l	98
67) Ethyl Benzene	10.23	91	61454	3.935	ug/l	97
68) m/p-Xylenes	10.34	106	52388	9.003	ug/l	100
69) o-Xylene	10.68	106	6628	1.192	ug/l	97
73) Isopropylbenzene	11.00	105	201073	15.083	ug/l	100
78) n-propylbenzene	11.34	91	383396	25.070	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	91619	8.193	ug/l	100
83) tert-Butylbenzene	11.76	119	28105	2.598	ug/l	90
84) 1,2,4-Trimethylbenzene	11.79	105	1522417	134.550	ug/l	97
85) sec-Butylbenzene	11.93	105	143515	11.150	ug/l #	77
86) p-Isopropyltoluene	12.05	119	72420	6.197	ug/l	100
89) n-Butylbenzene	12.37	91	90356	8.553	ug/l #	69
95) Naphthalene	13.82	128	7209	2.663	ug/l #	90

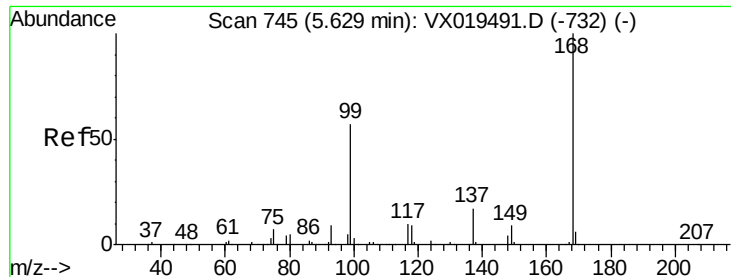
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019547.D

Acq: 23 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

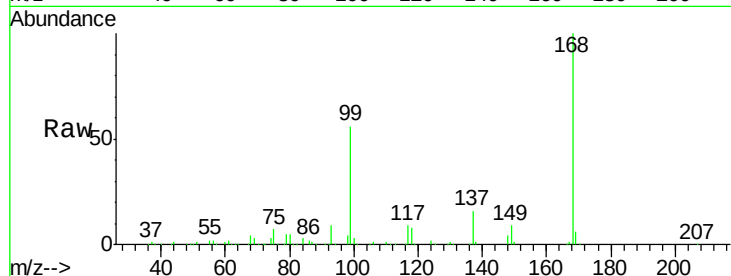
FD-111620DL

Tot Ion:168 Resp: 314468

Ion Ratio Lower Upper

168 100

99 56.1 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

120000

100000

80000

60000

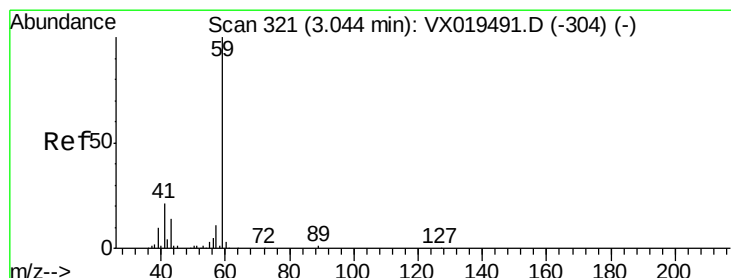
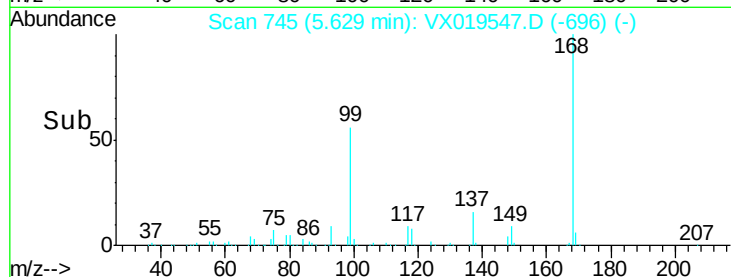
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 5.750 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.05 min

Lab File: VX019547.D

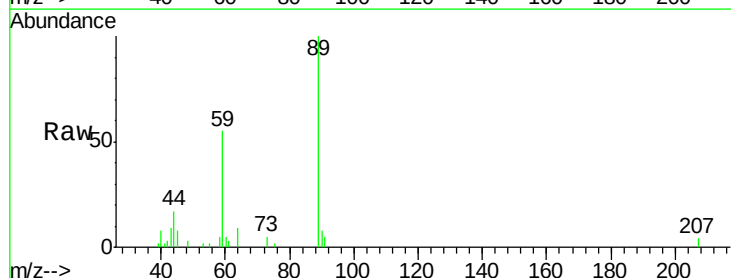
Acq: 23 Nov 2020 13:54

Tgt Ion: 59 Resp: 4437

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

2.99

2000

1500

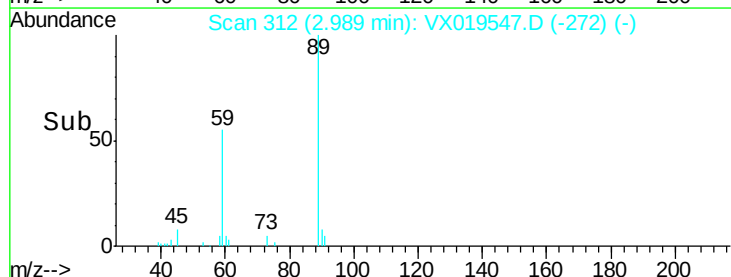
1000

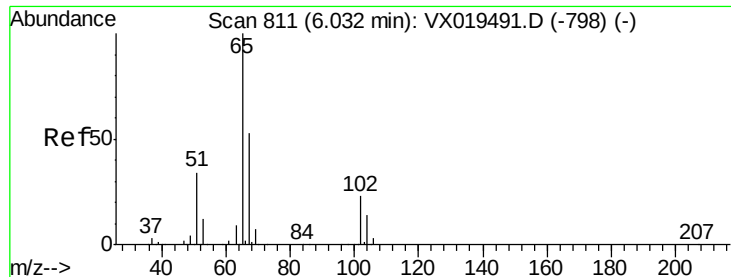
500

0

Time-->

2.90 2.95 3.00 3.05

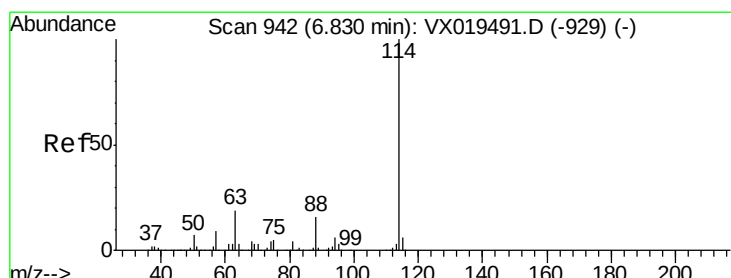
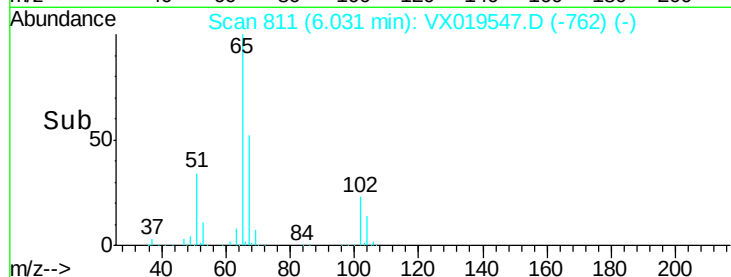
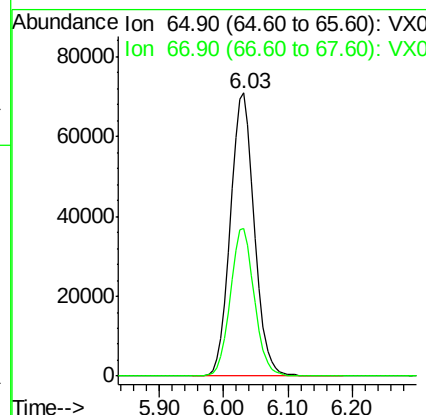
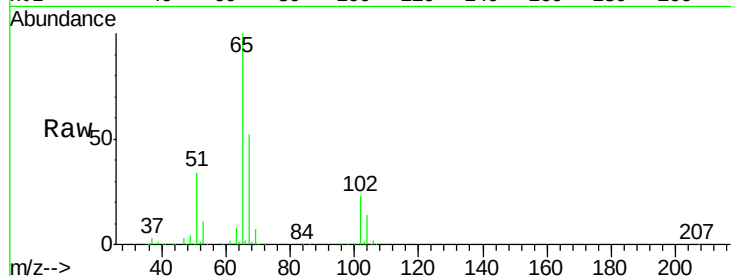




#33
 1,2-Dichloroethane-d4
 Concen: 45.631 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019547.D
 Acq: 23 Nov 2020 13:54

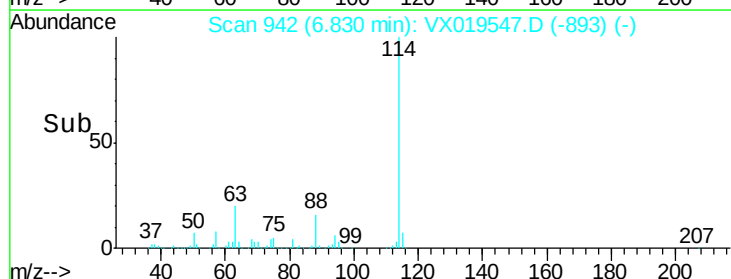
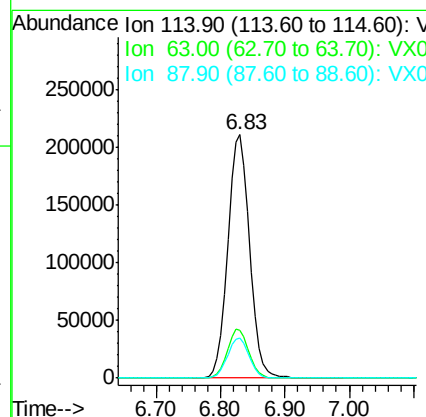
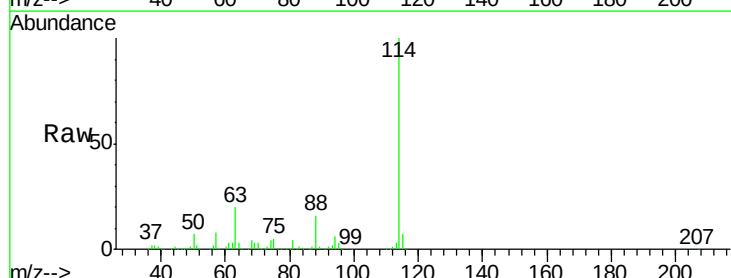
Instrument :
 MSVOA_X
 ClientSampleId :
 FD-111620DL

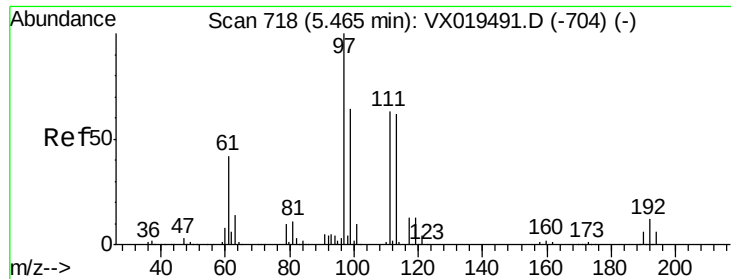
Tot Ion: 65 Resp: 186052
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019547.D
 Acq: 23 Nov 2020 13:54

Tgt Ion: 114 Resp: 504480
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.8
 88 16.2 0.0 31.6

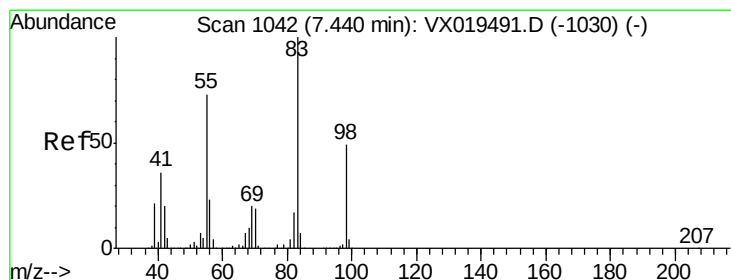
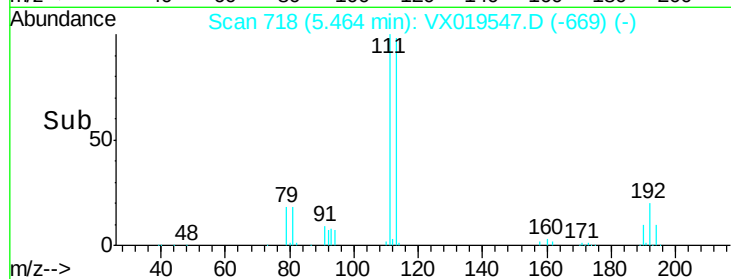
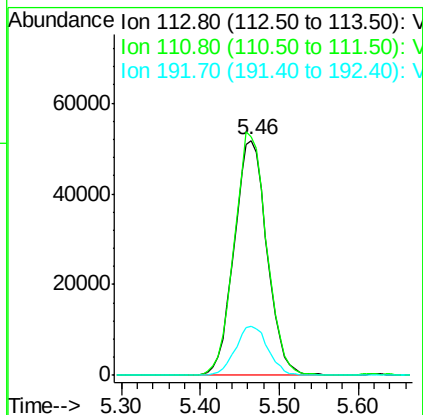
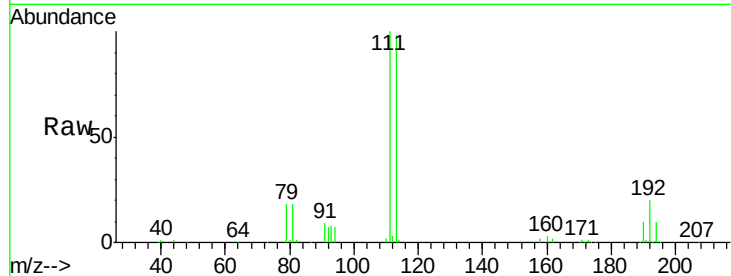




#35
 Dibromofluoromethane
 Concen: 47.361 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019547.D
 Acq: 23 Nov 2020 13:54

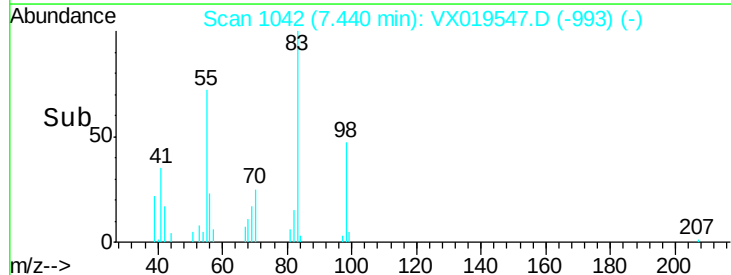
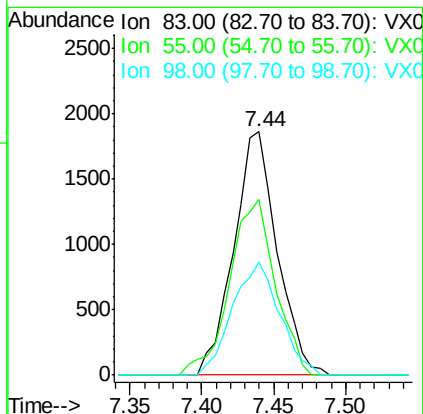
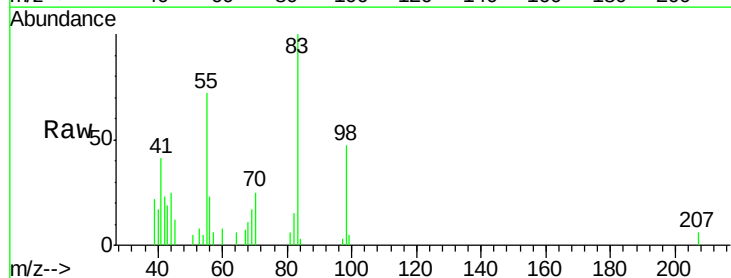
Instrument :
 MSVOA_X
 ClientSampleID :
 FD-111620DL

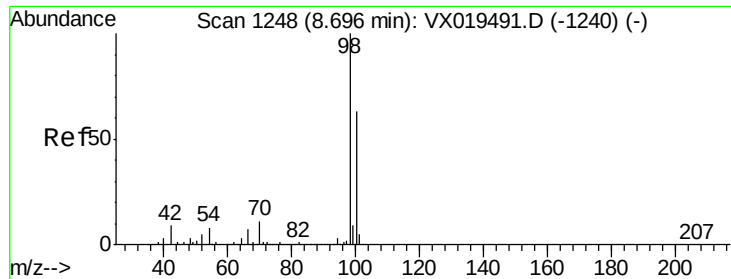
Tot Ion:113 Resp: 149974
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.5 122.3
 192 20.8 16.2 24.2



#39
 Methylcyclohexane
 Concen: 0.708 ug/l
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VX019547.D
 Acq: 23 Nov 2020 13:54

Tgt Ion: 83 Resp: 3900
 Ion Ratio Lower Upper
 83 100
 55 72.4 58.3 87.5
 98 46.6 38.9 58.3

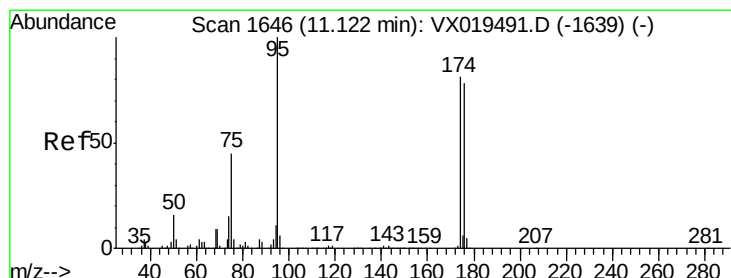
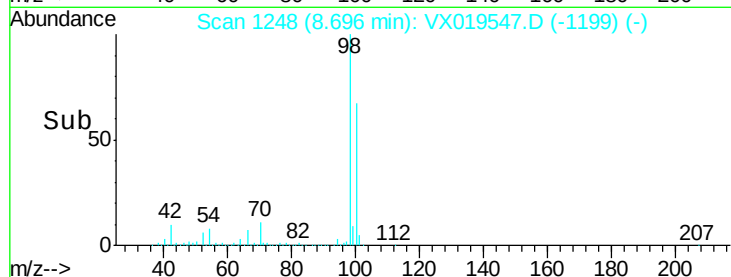
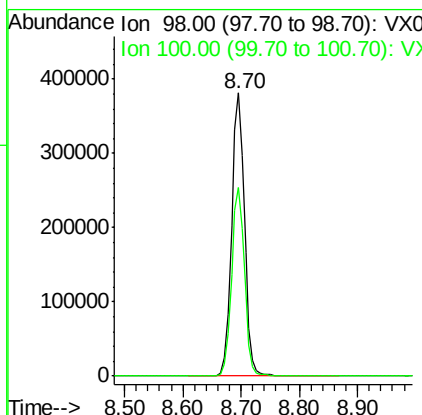
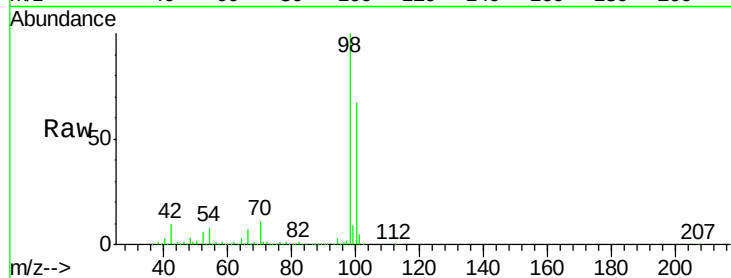




#50
Toluene-d8
Concen: 47.763 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019547.D
Acq: 23 Nov 2020 13:54

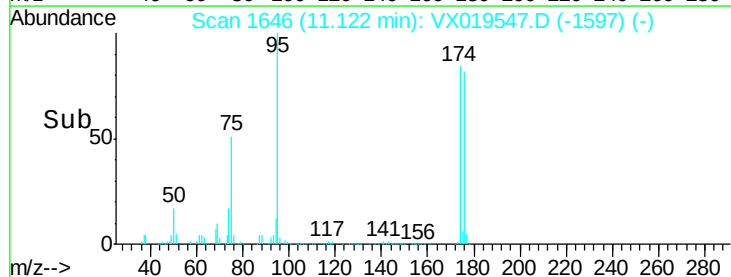
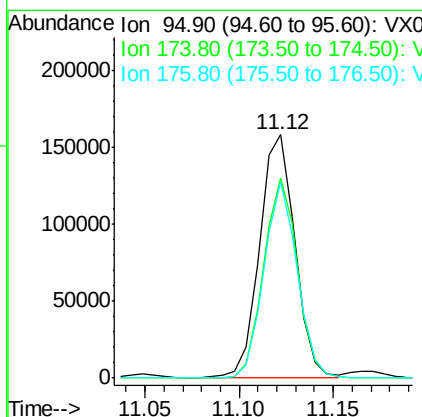
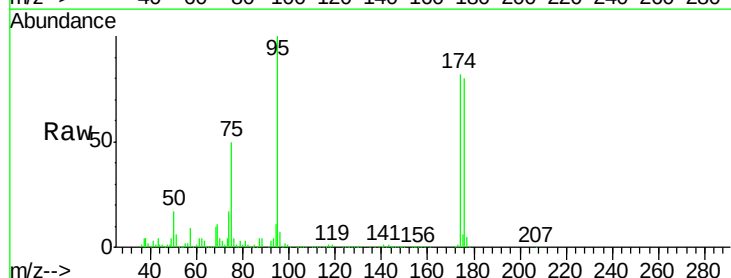
Instrument :
MSVOA_X
ClientSampleId :
FD-111620DL

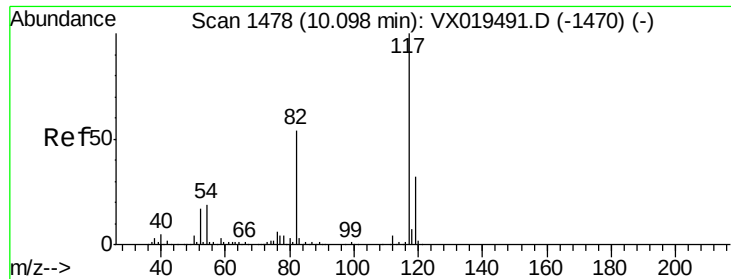
Tot Ion: 98 Resp: 587733
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.457 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019547.D
Acq: 23 Nov 2020 13:54

Tgt Ion: 95 Resp: 205678
Ion Ratio Lower Upper
95 100
174 78.5 0.0 156.2
176 75.9 0.0 151.4

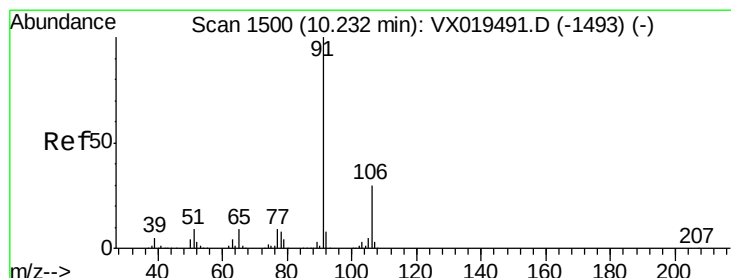
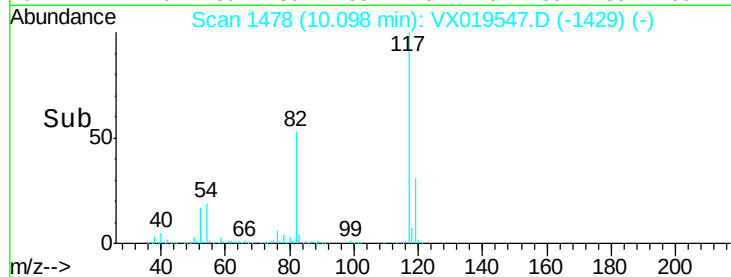
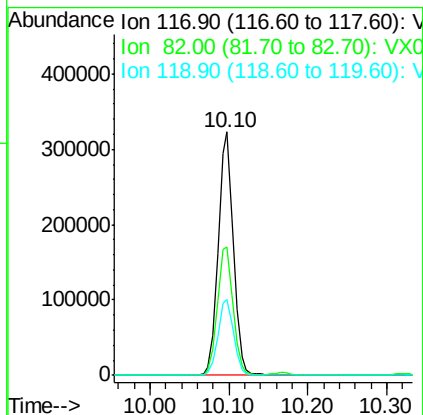
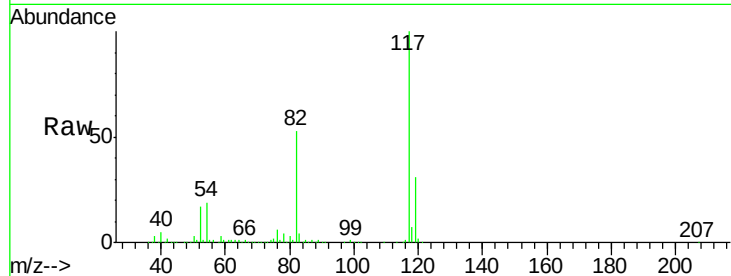




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019547.D
Acq: 23 Nov 2020 13:54

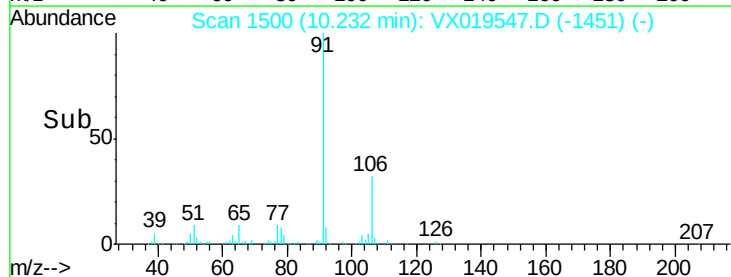
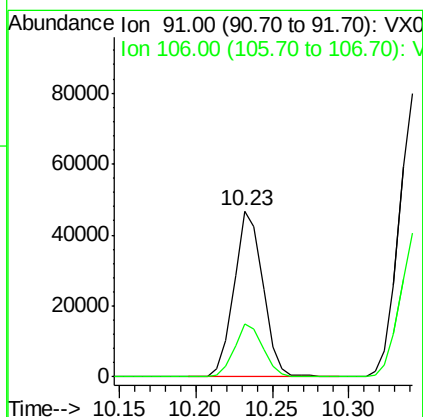
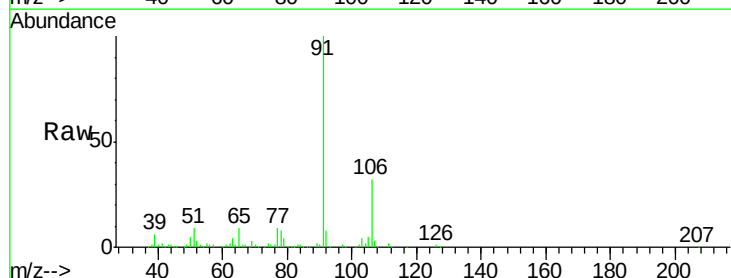
Instrument :
MSVOA_X
ClientSampleId :
FD-111620DL

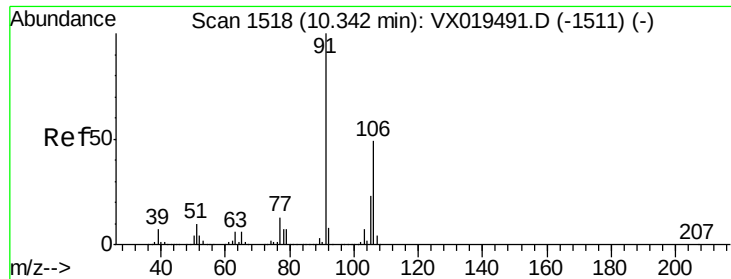
Tot Ion:117 Resp: 433623
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 31.1 25.6 38.4



#67
Ethyl Benzene
Concen: 3.935 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019547.D
Acq: 23 Nov 2020 13:54

Tgt Ion: 91 Resp: 61454
Ion Ratio Lower Upper
91 100
106 31.8 24.0 36.0

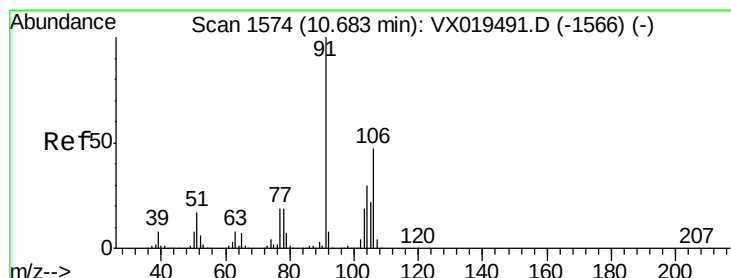
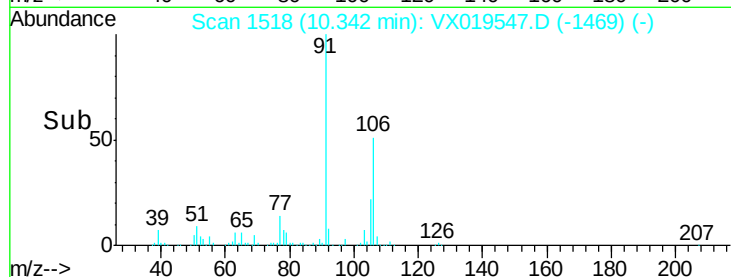
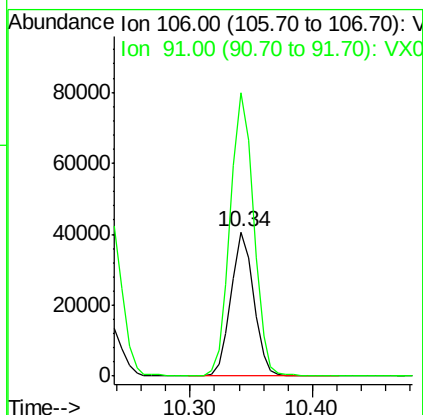
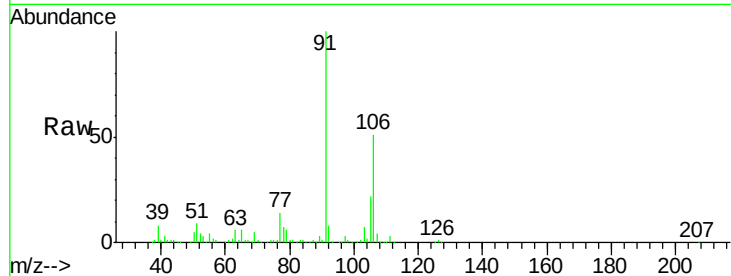




#68
m/p-Xylenes
Concen: 9.003 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019547.D
Acq: 23 Nov 2020 13:54

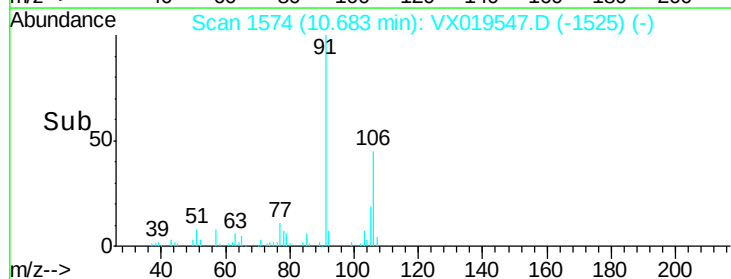
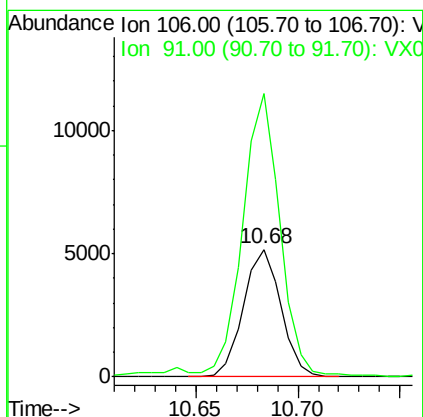
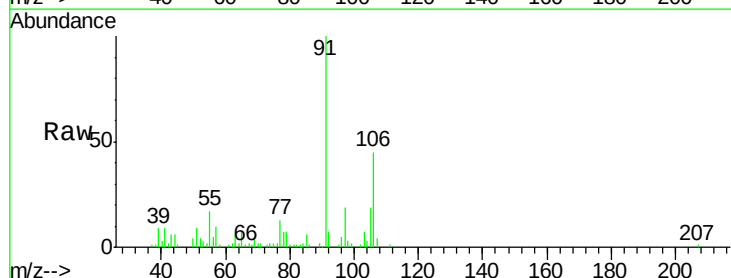
Instrument :
MSVOA_X
ClientSampled :
FD-111620DL

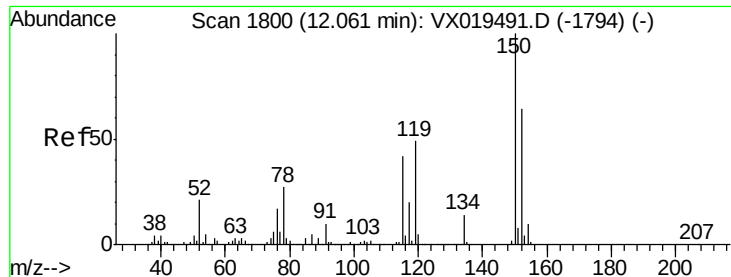
Tot Ion:106 Resp: 52388
Ion Ratio Lower Upper
106 100
91 203.5 163.3 244.9



#69
o-Xylene
Concen: 1.192 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019547.D
Acq: 23 Nov 2020 13:54

Tgt Ion:106 Resp: 6628
Ion Ratio Lower Upper
106 100
91 220.4 108.0 324.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019547.D

Acq: 23 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

FD-111620DL

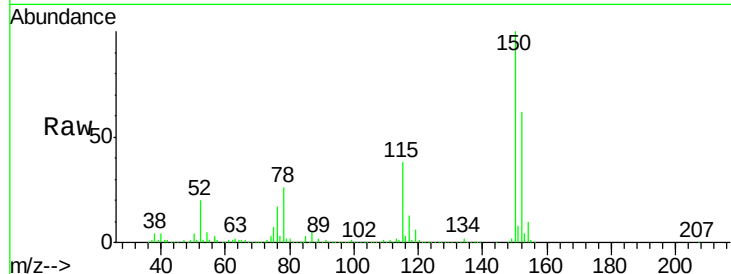
Tot Ion:152 Resp: 192702

Ion Ratio Lower Upper

152 100

115 63.0 41.8 125.4

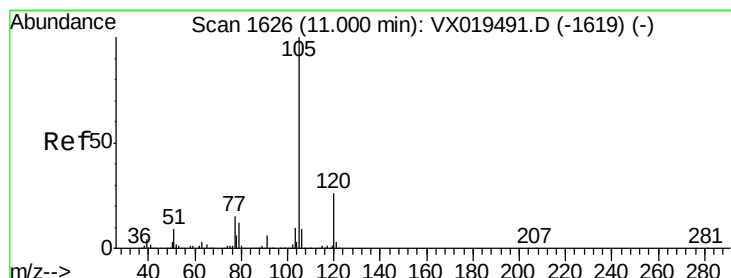
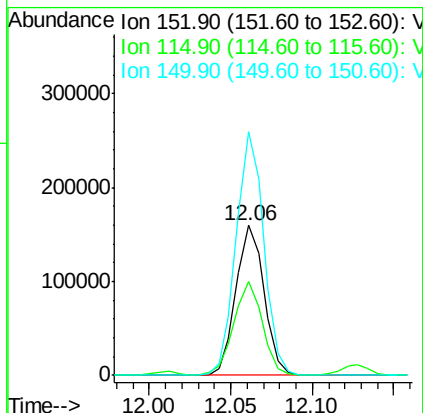
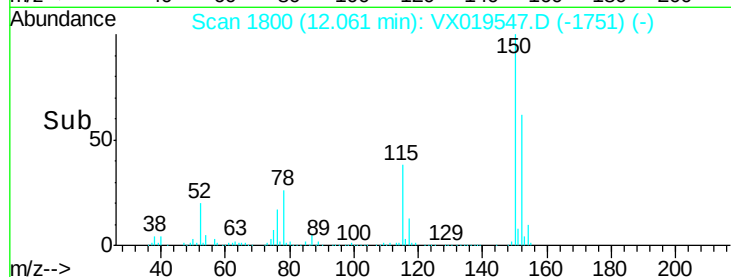
150 159.1 0.0 348.2



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



#73

Isopropylbenzene

Concen: 15.083 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019547.D

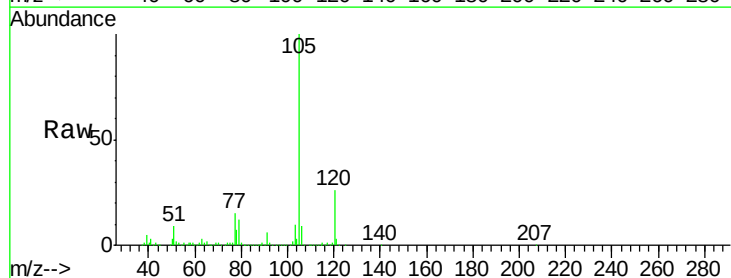
Acq: 23 Nov 2020 13:54

Tgt Ion:105 Resp: 201073

Ion Ratio Lower Upper

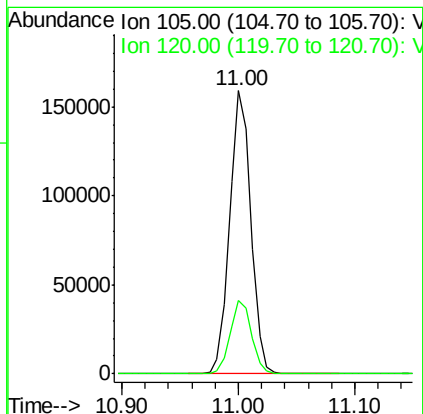
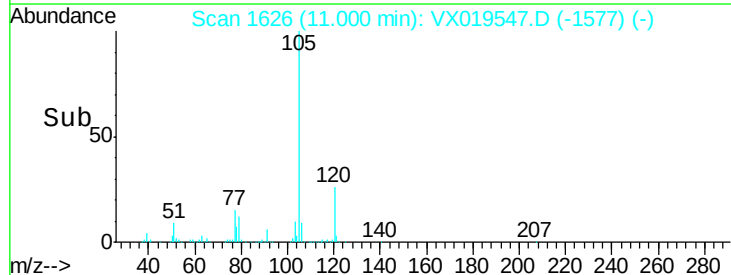
105 100

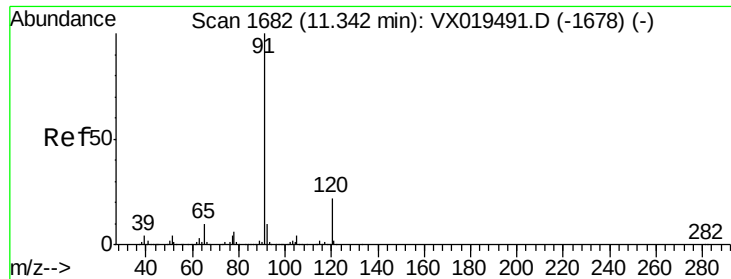
120 26.1 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 25.070 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019547.D

Acq: 23 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampled :

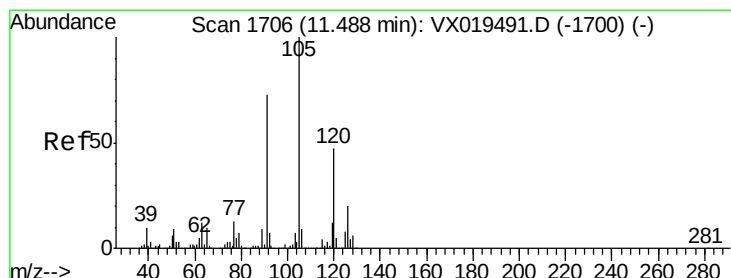
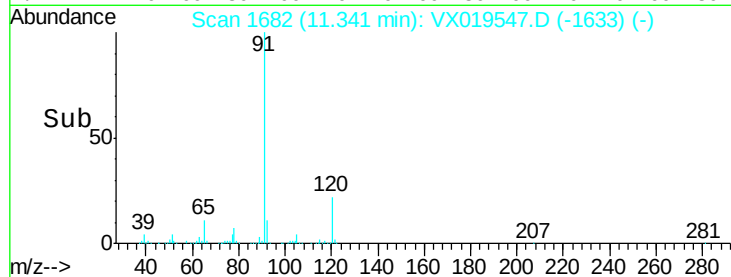
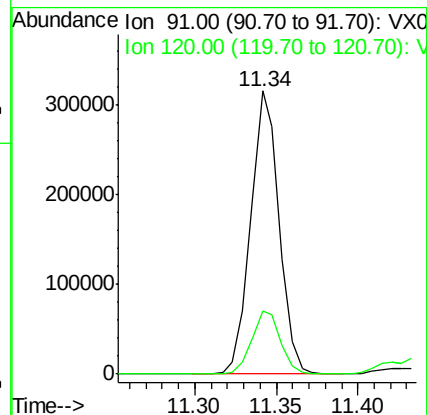
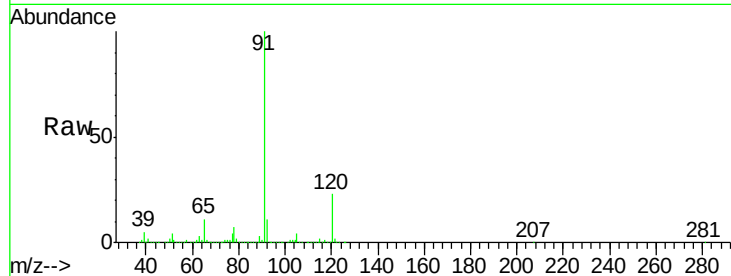
FD-111620DL

Tot Ion: 91 Resp: 383396

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 8.193 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019547.D

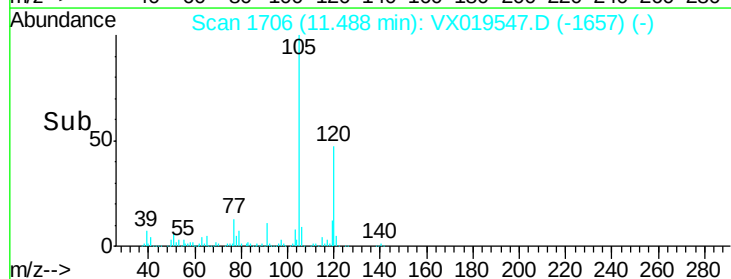
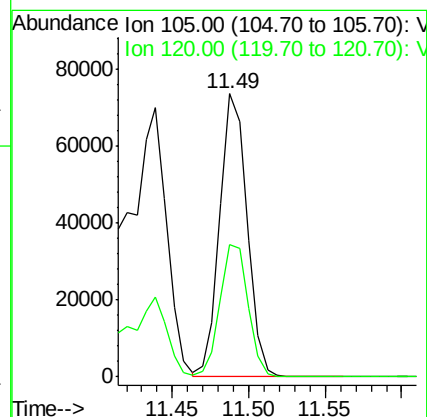
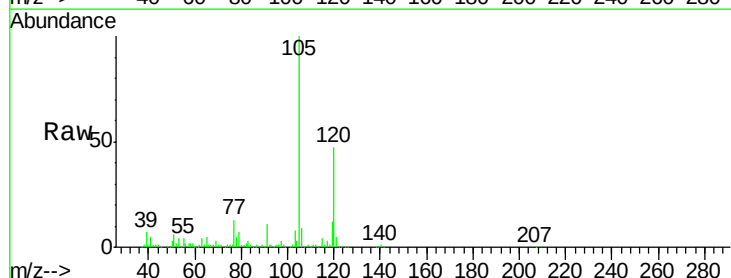
Acq: 23 Nov 2020 13:54

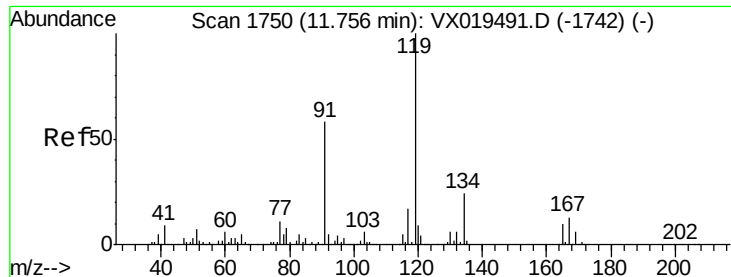
Tgt Ion:105 Resp: 91619

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.3

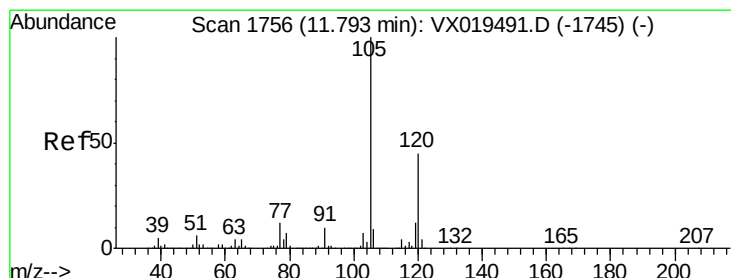
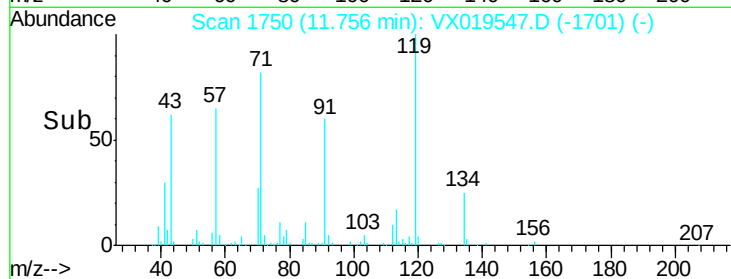
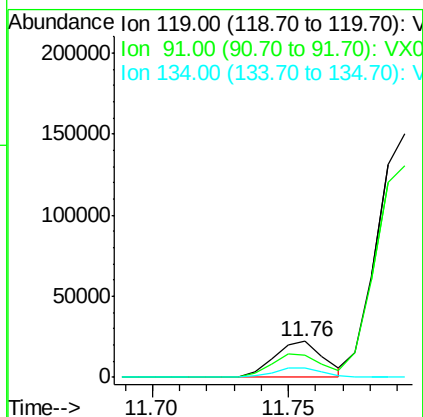
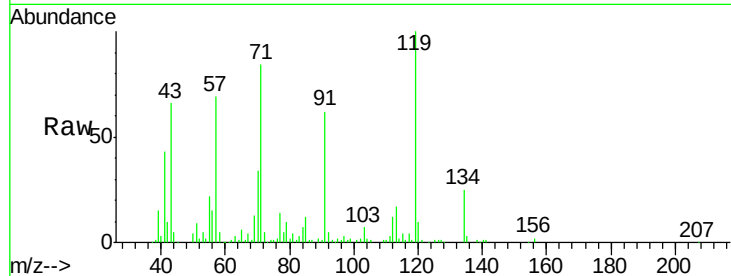




#83
 tert-Butylbenzene
 Concen: 2.598 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX019547.D
 Acq: 23 Nov 2020 13:54

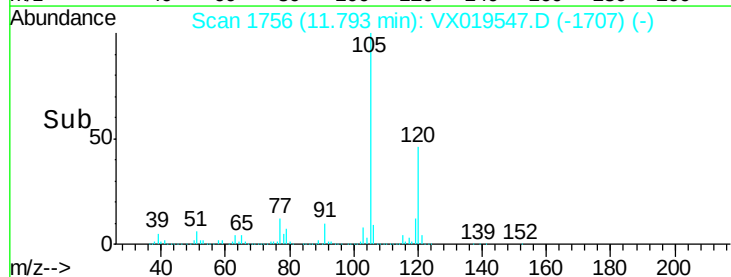
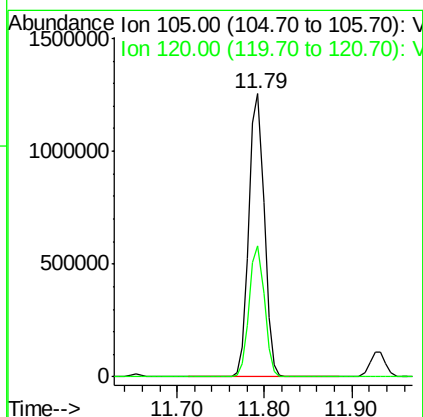
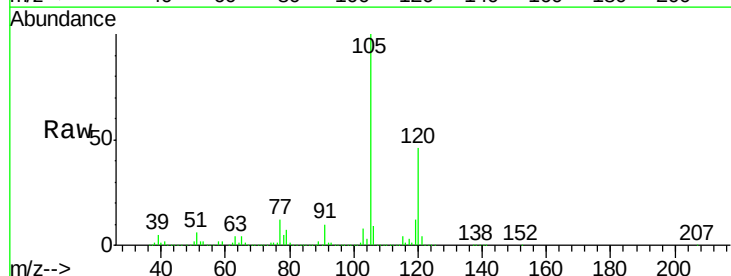
Instrument :
 MSVOA_X
 ClientSampleID :
 FD-111620DL

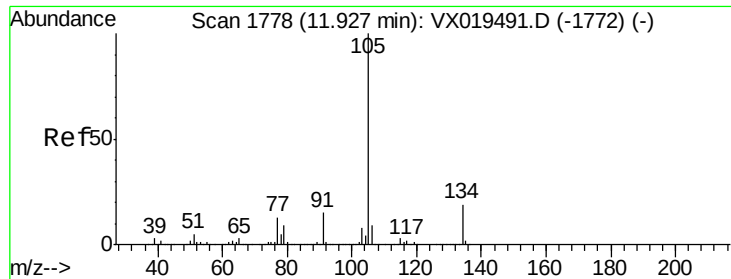
Tot Ion:119 Resp: 28105
 Ion Ratio Lower Upper
 119 100
 91 66.6 28.9 86.8
 134 25.4 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 134.550 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019547.D
 Acq: 23 Nov 2020 13:54

Tgt Ion:105 Resp: 1522417
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.2 66.6

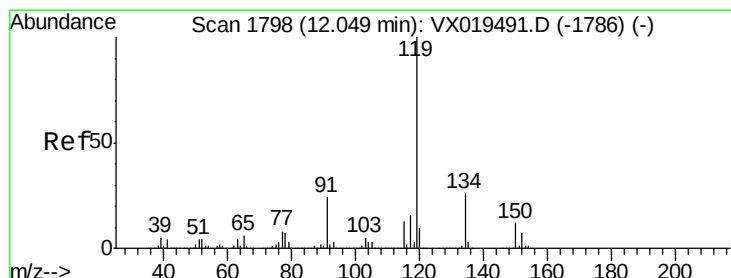
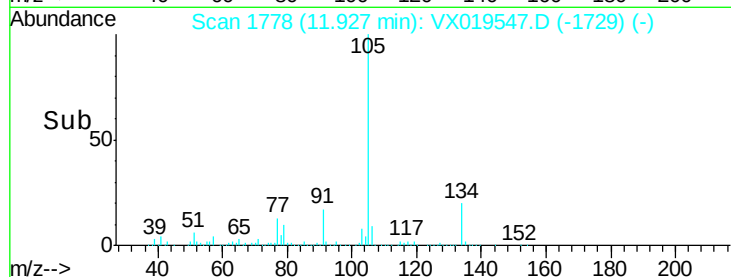
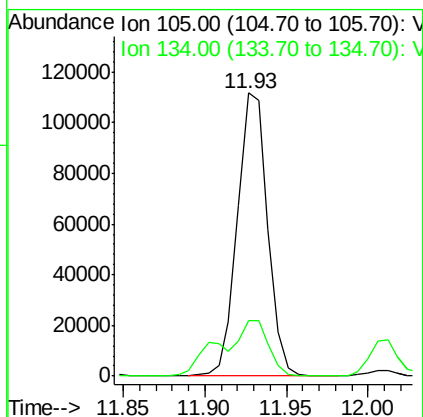
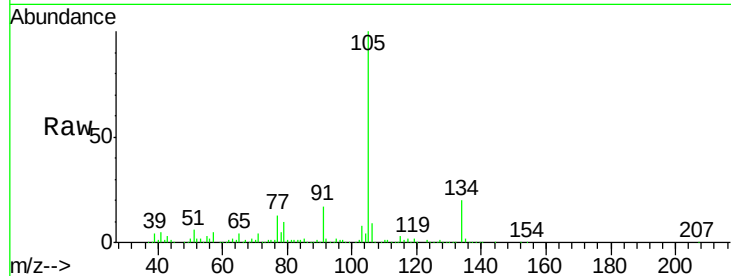




#85
 sec-Butylbenzene
 Concen: 11.150 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019547.D
 Acq: 23 Nov 2020 13:54

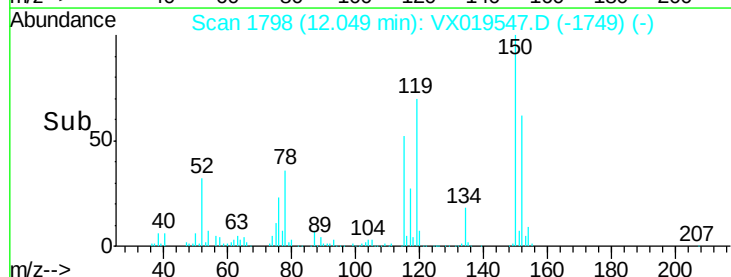
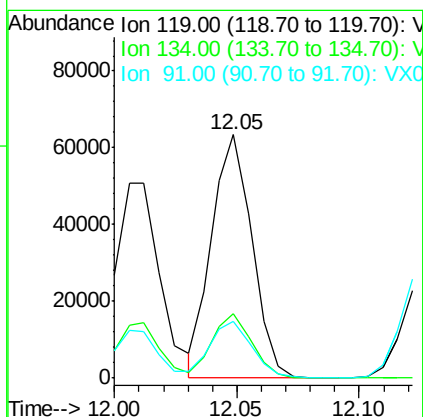
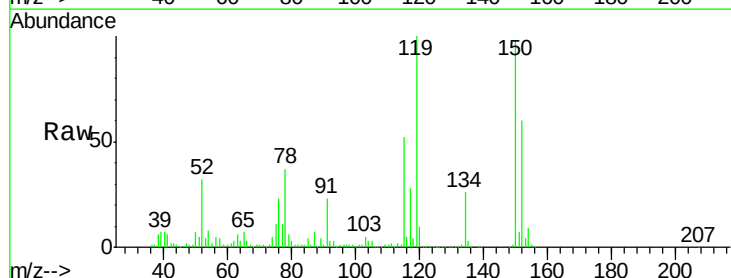
Instrument :
 MSVOA_X
 ClientSampleID :
 FD-111620DL

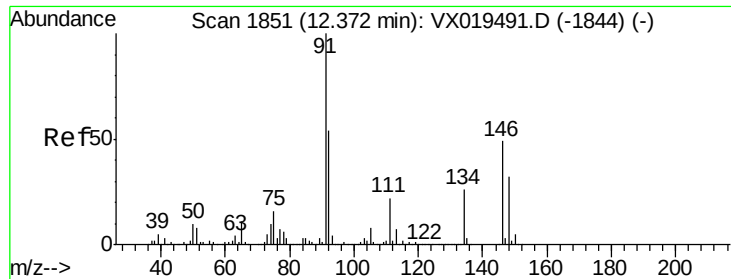
Tot Ion:105 Resp: 143515
 Ion Ratio Lower Upper
 105 100
 134 31.0 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 6.197 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019547.D
 Acq: 23 Nov 2020 13:54

Tgt Ion:119 Resp: 72420
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.3
 91 23.9 11.8 35.4





#89

n-Butylbenzene

Concen: 8.553 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX019547.D

Acq: 23 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampled :

FD-111620DL

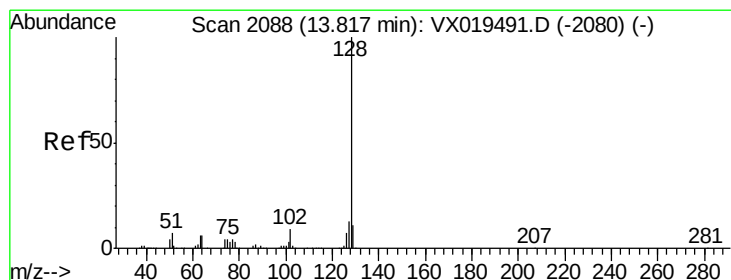
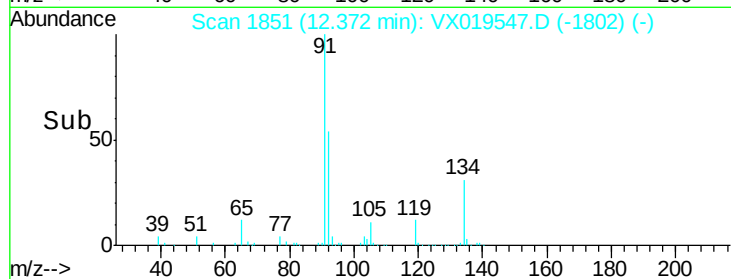
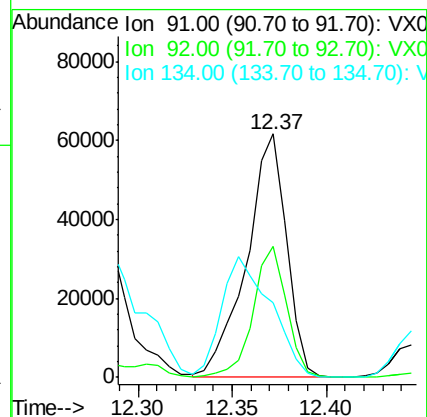
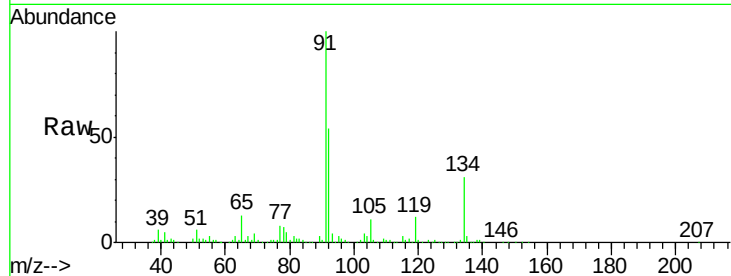
Tot Ion: 91 Resp: 90356

Ion Ratio Lower Upper

91 100

92 45.4 26.9 80.6

134 61.4 12.9 38.6#



#95

Naphthalene

Concen: 2.663 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019547.D

Acq: 23 Nov 2020 13:54

Tgt Ion: 128 Resp: 7209

Ion Ratio Lower Upper

128 100

127 14.8 10.3 15.5

129 17.1 8.7 13.1#

