

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013734.D
 Acq On : 03 Dec 2019 18:54
 Operator : JC/SP
 Sample : K6084-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30582

Quant Time: Dec 04 07:24:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	715317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1088637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	976644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	469383	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	389580	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
35) Dibromofluoromethane	5.49	113	324953	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	8.71	98	1282193	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	11.14	95	452456	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	

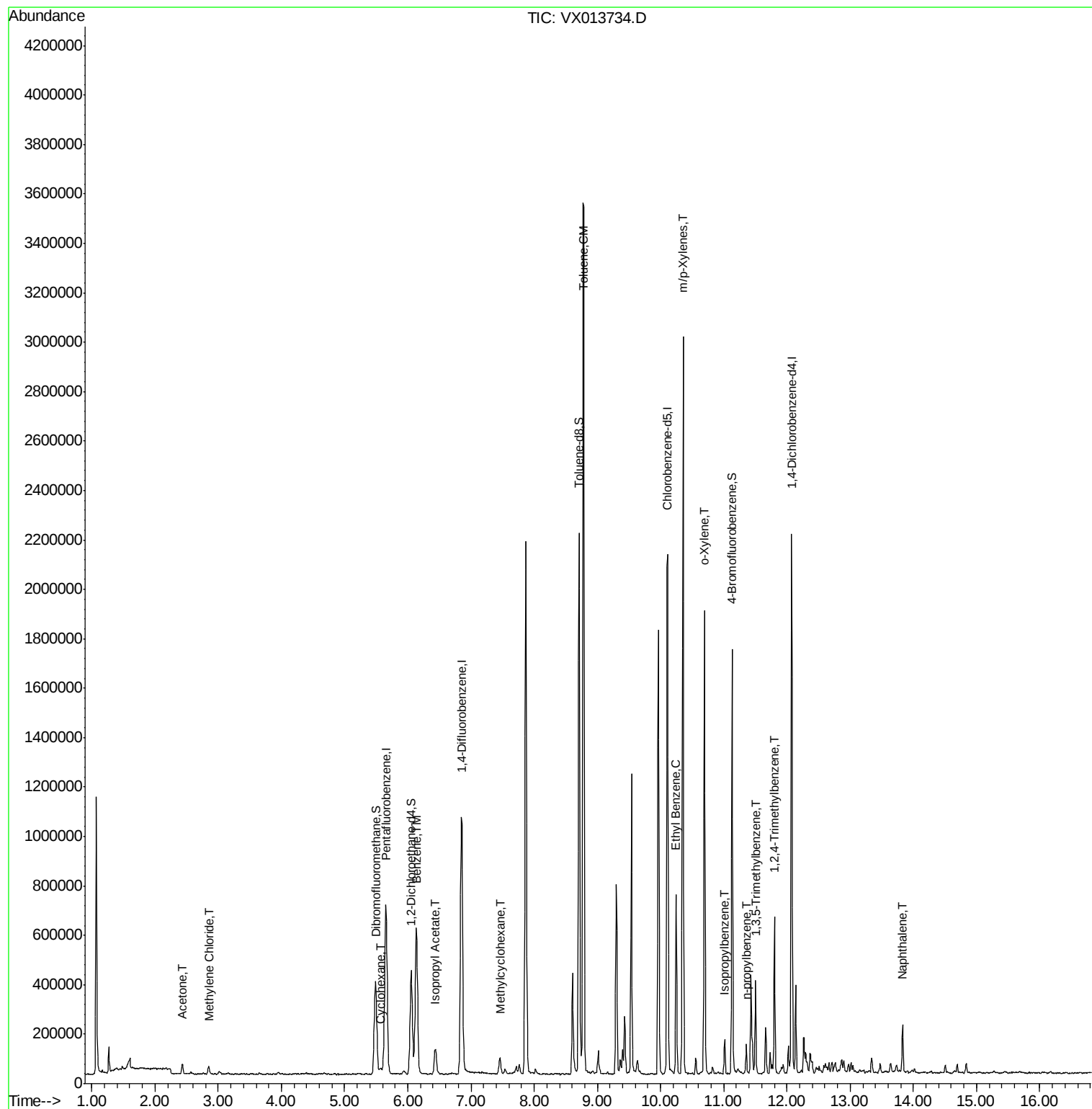
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	48277	11.777	ug/l	92
20) Methylene Chloride	2.85	84	16589	2.106	ug/l	93
31) Cyclohexane	5.58	56	15287	1.246	ug/l #	79
39) Methylcyclohexane	7.46	83	30536	2.500	ug/l	98
40) Benzene	6.14	78	723262	24.031	ug/l	99
43) Isopropyl Acetate	6.43	43	140830	7.716	ug/l	99
52) Toluene	8.78	92	1376890	73.639	ug/l	100
67) Ethyl Benzene	10.25	91	422806	12.134	ug/l	99
68) m/p-Xylenes	10.36	106	724838	54.335	ug/l	99
69) o-Xylene	10.70	106	378126	29.063	ug/l	97
73) Isopropylbenzene	11.01	105	72832	2.212	ug/l	99
78) n-propylbenzene	11.35	91	68142	1.854	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	156660	5.805	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	285423	10.422	ug/l	99
95) Naphthalene	13.83	128	118316	3.721	ug/l	98

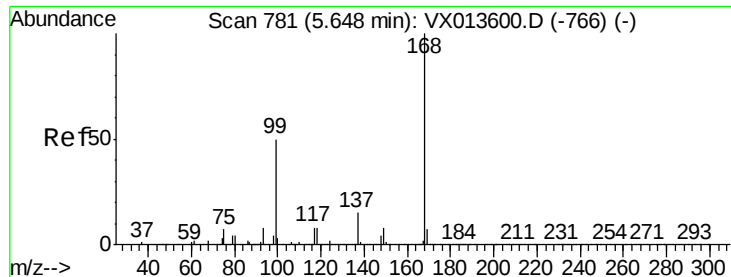
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

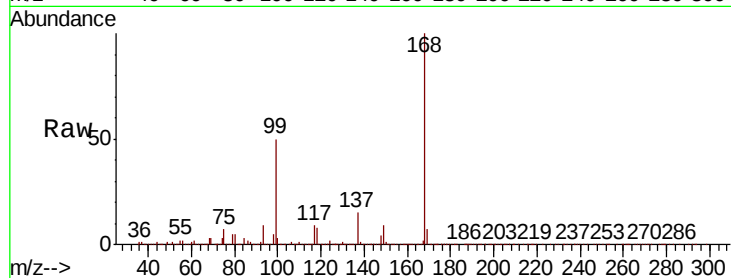
30582

Tot Ion:168 Resp: 715317

Ion Ratio Lower Upper

168 100

99 50.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

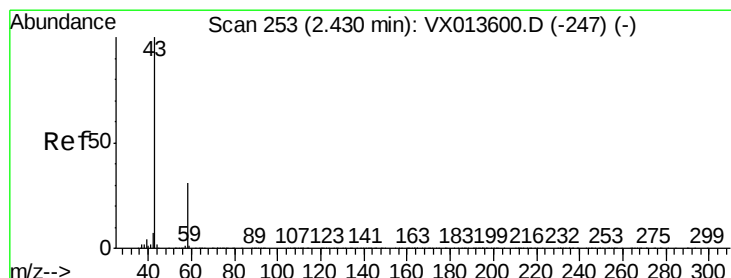
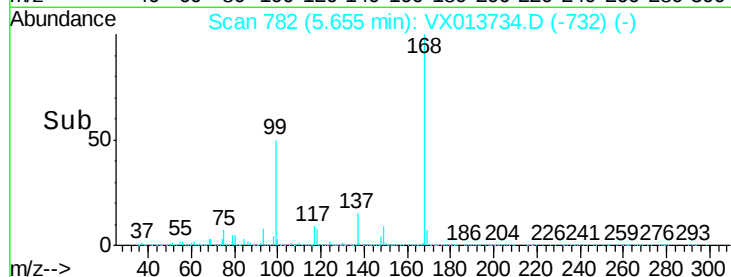
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 11.777 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013734.D

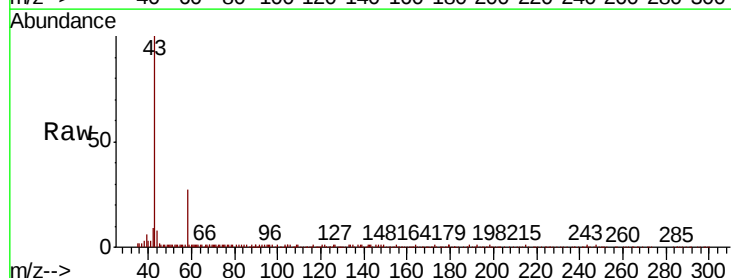
Acq: 03 Dec 2019 18:54

Tgt Ion: 43 Resp: 48277

Ion Ratio Lower Upper

43 100

58 26.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

30000

25000

20000

15000

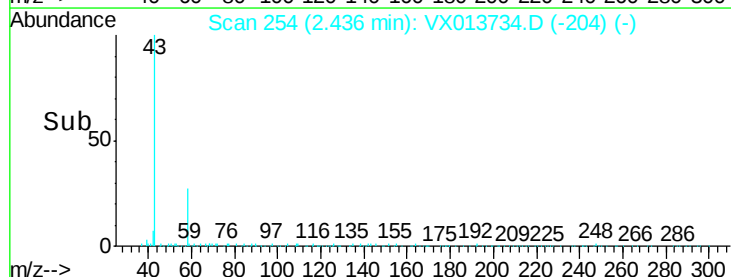
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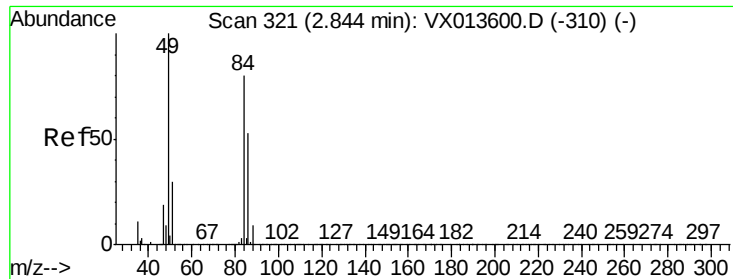
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Time-->

2.35 2.40 2.45 2.50 2.55

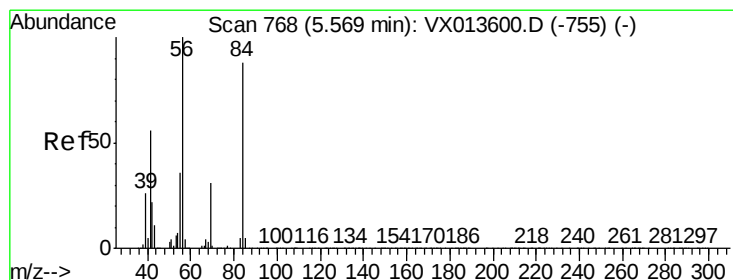
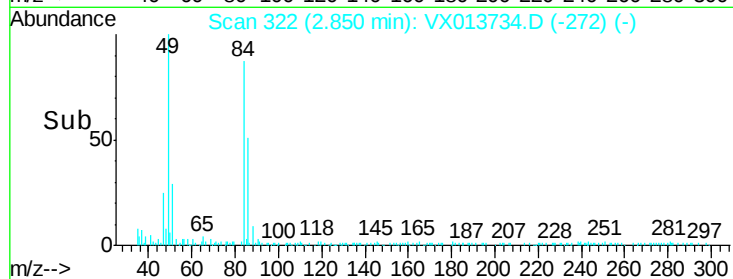
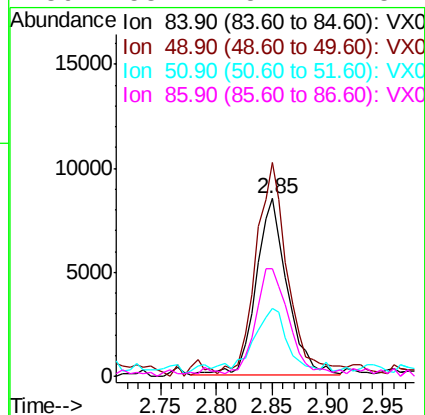
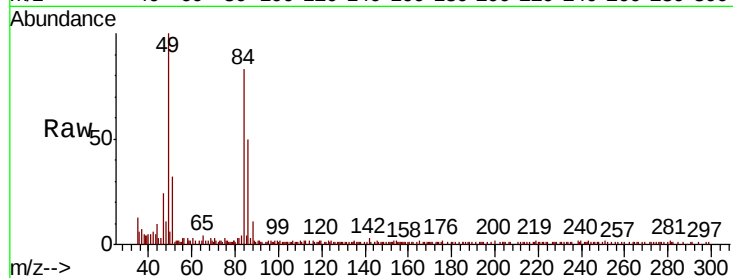




#20
Methvlene Chloride
Concen: 2.106 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

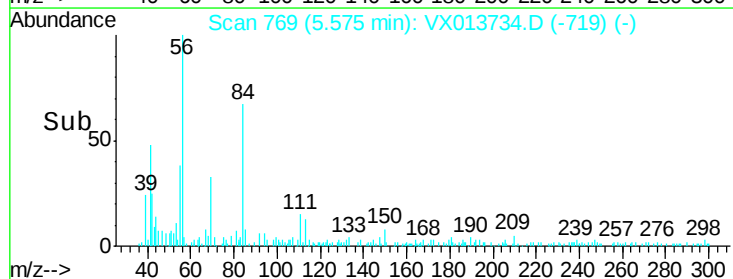
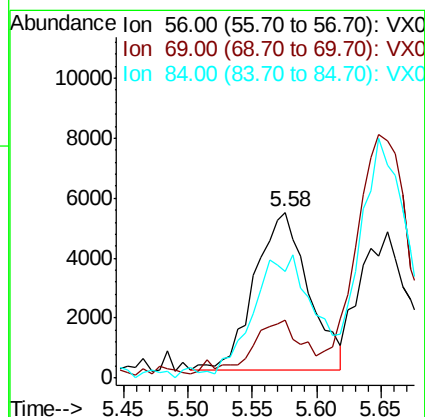
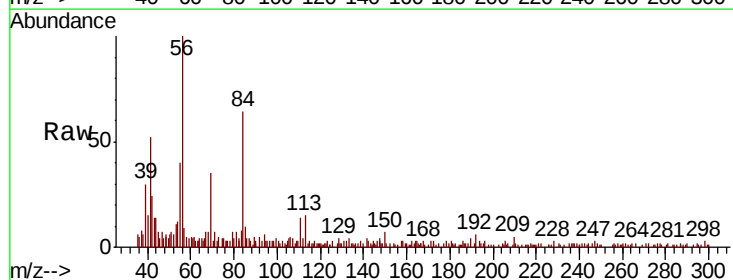
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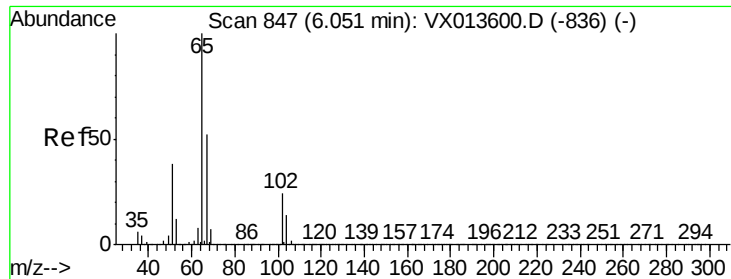
Tot Ion:	84	Resp:	16589
Ion	Ratio	Lower	Upper
84	100		
49	116.1	99.7	149.5
51	35.9	29.9	44.9
86	58.7	52.2	78.4



#31
Cyclohexane
Concen: 1.246 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion:	56	Resp:	15287
Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.6	36.8
84	61.0	70.0	105.0#

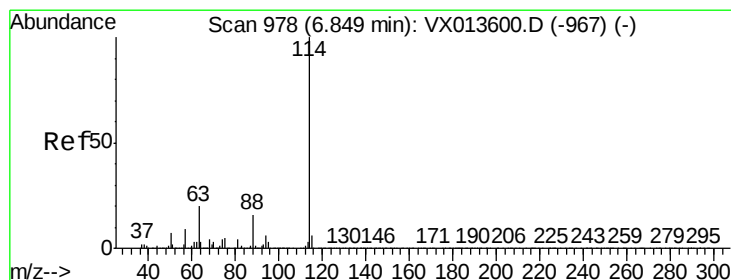
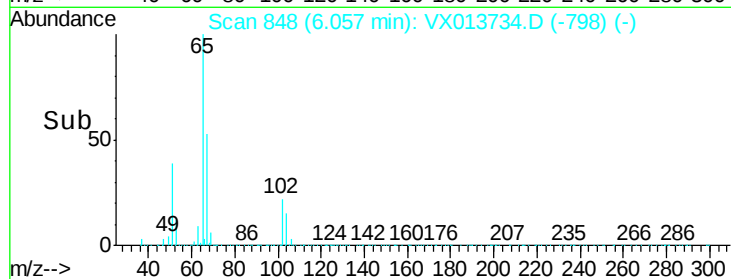
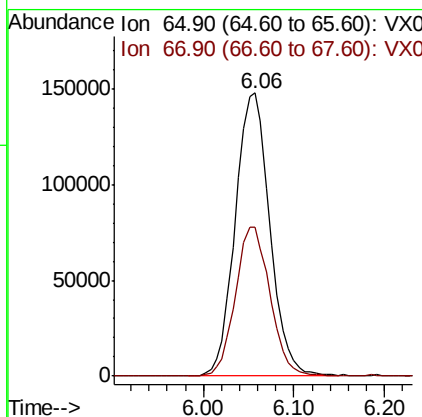
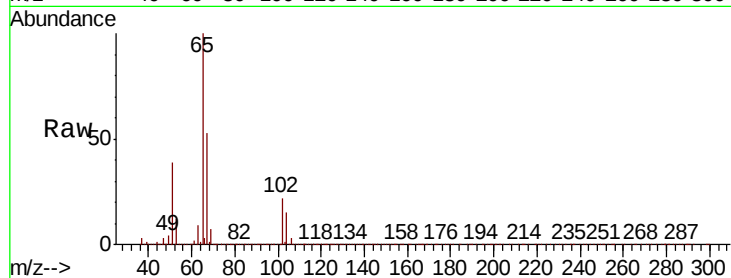




#33
 1,2-Dichloroethane-d4
 Concen: 46.919 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013734.D
 Acq: 03 Dec 2019 18:54

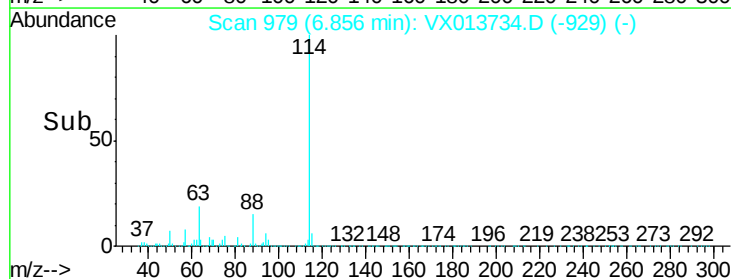
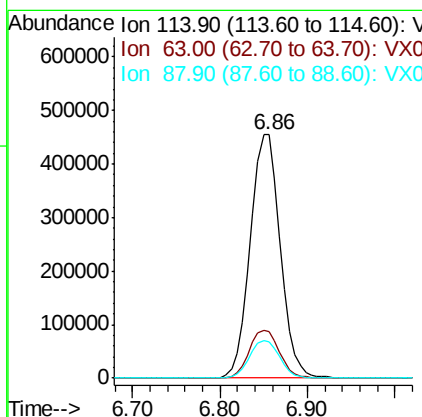
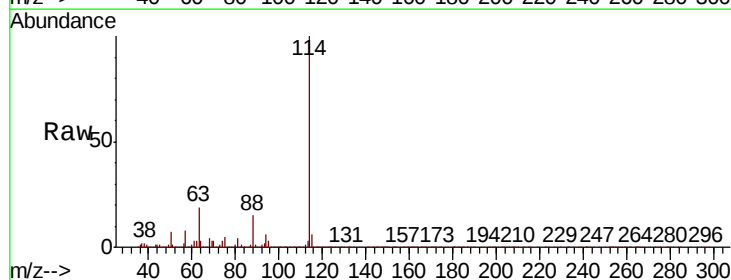
Instrument :
 MSVOA_X
 ClientSampleId :
 30582

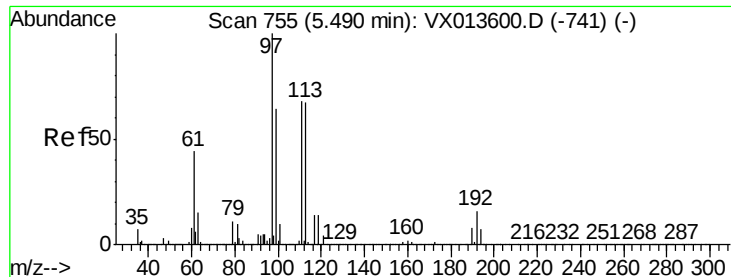
Tot Ion: 65 Resp: 389580
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX013734.D
 Acq: 03 Dec 2019 18:54

Tgt Ion: 114 Resp: 1088637
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.6
 88 15.0 0.0 31.4

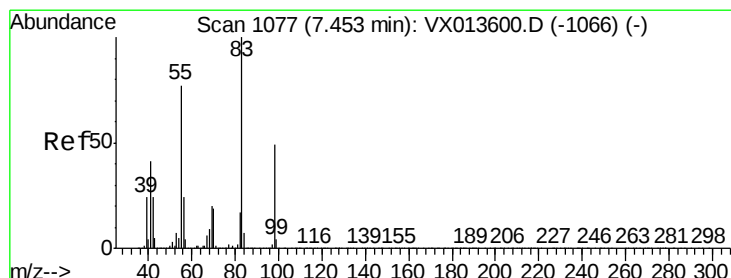
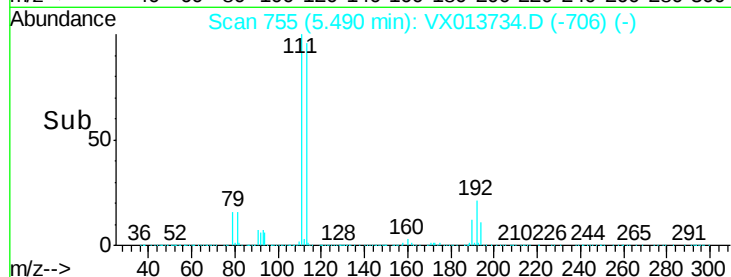
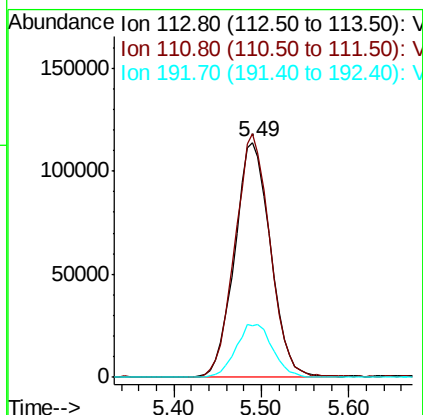
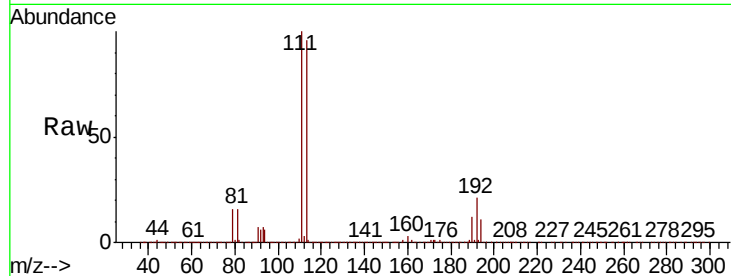




#35
Dibromofluoromethane
Concen: 48.284 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

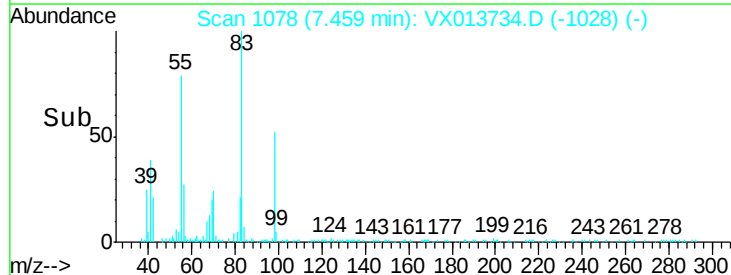
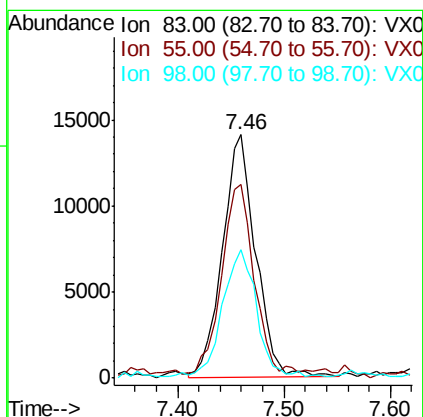
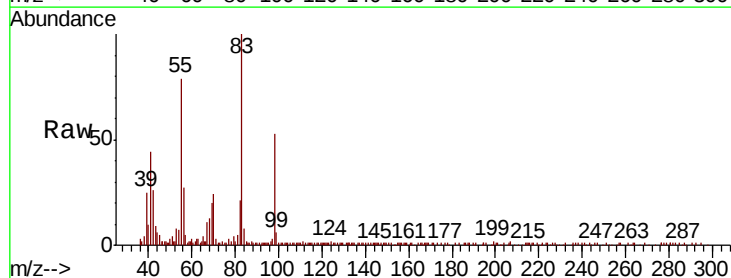
Instrument :
MSVOA_X
ClientSampleId :
30582

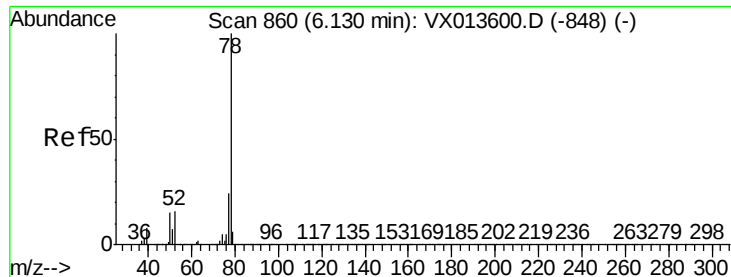
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.6	125.4
192	23.4	19.2	28.8



#39
Methylcyclohexane
Concen: 2.500 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.9	92.9
98	52.4	39.4	59.0





#40

Benzene

Concen: 24.031 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

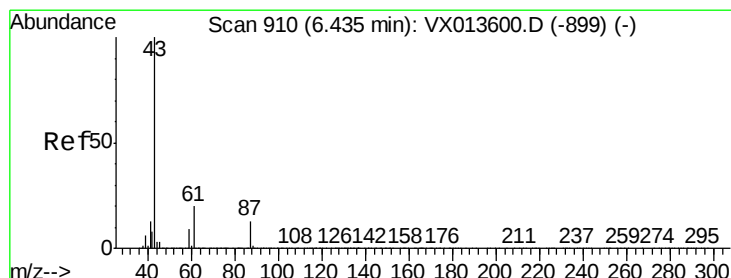
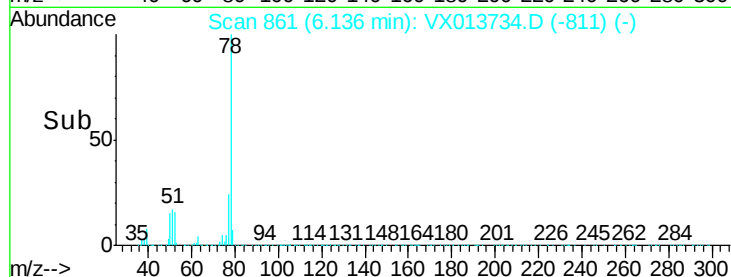
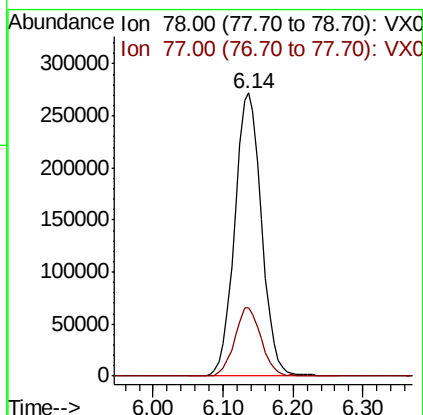
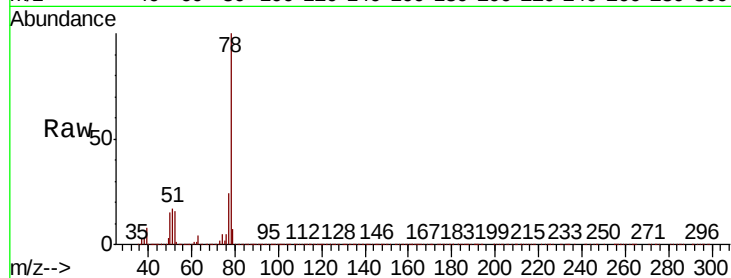
30582

Tot Ion: 78 Resp: 723262

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.4



#43

Isopropyl Acetate

Concen: 7.716 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

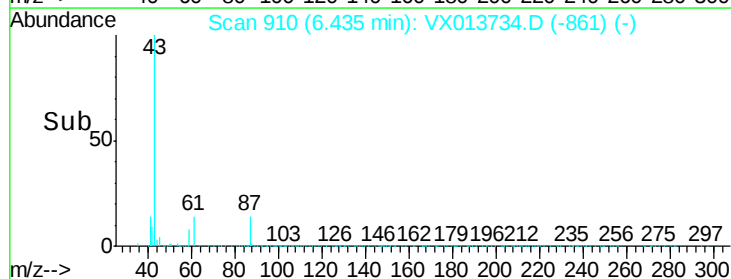
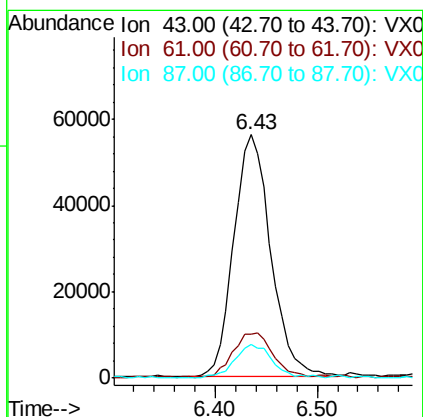
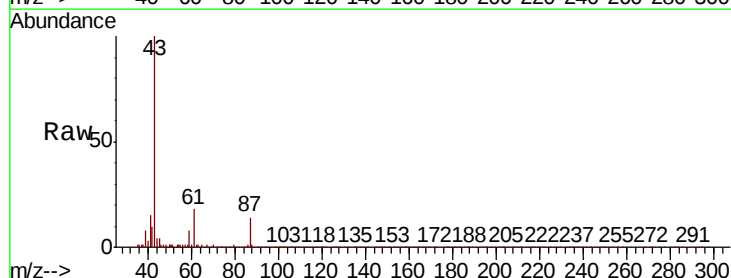
Tgt Ion: 43 Resp: 140830

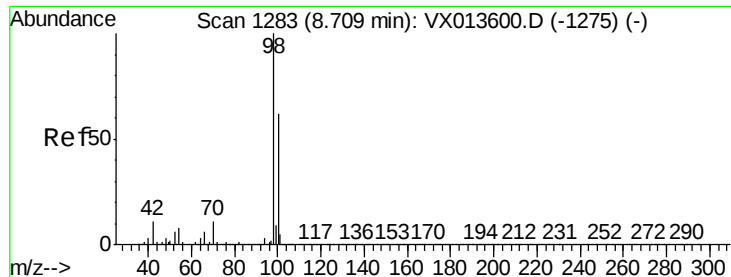
Ion Ratio Lower Upper

43 100

61 19.9 16.3 24.5

87 13.8 10.8 16.2

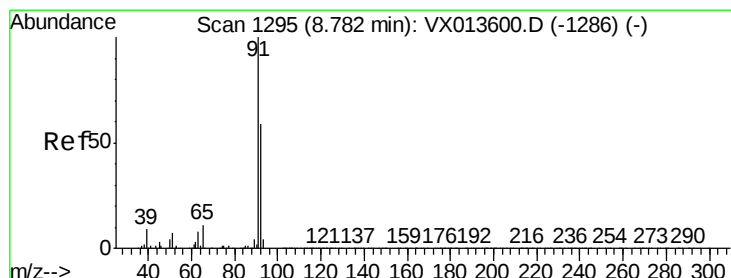
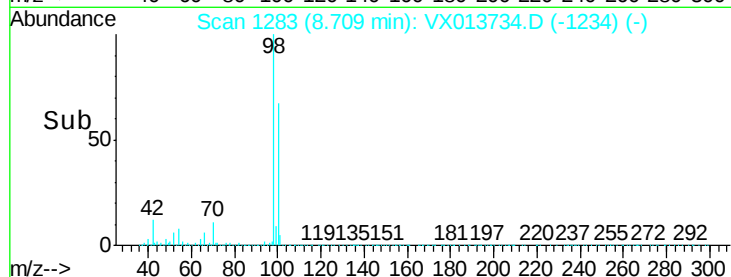
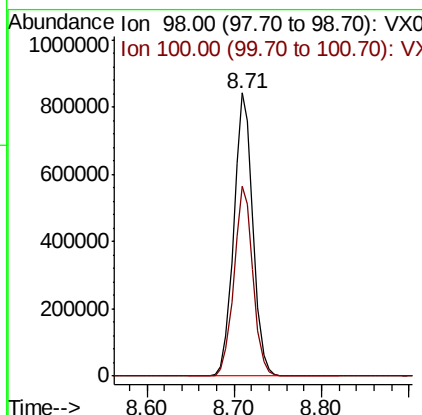
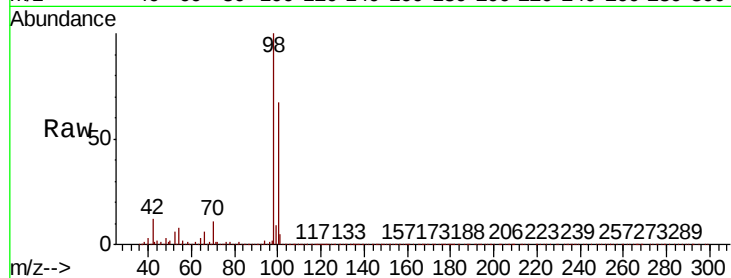




#50
Toluene-d8
Concen: 48.899 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

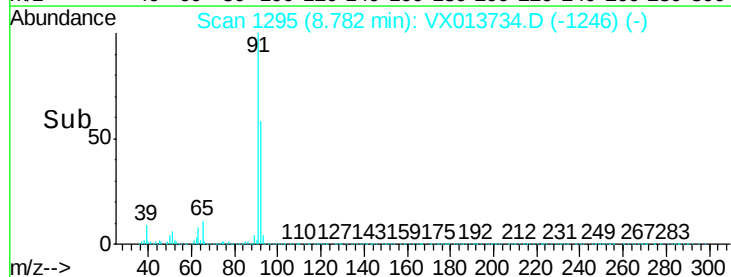
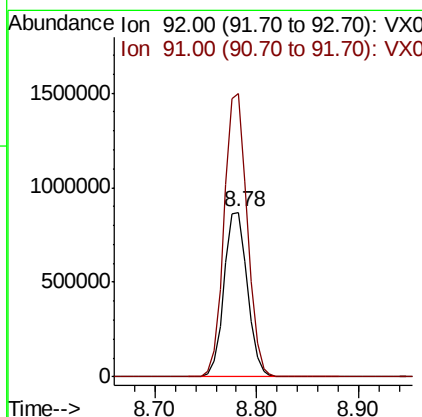
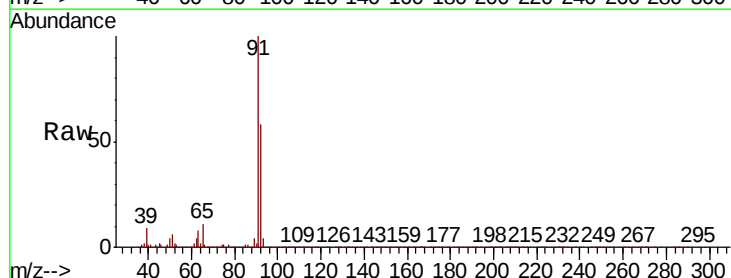
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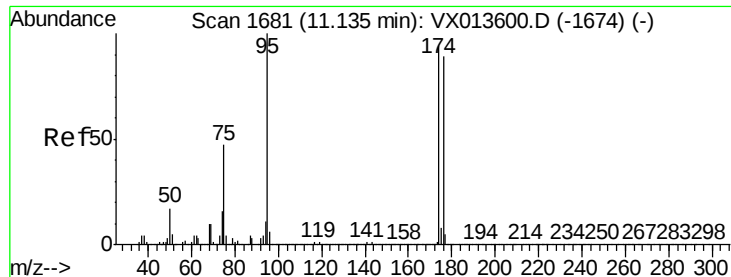
Tot Ion: 98 Resp: 1282193
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#52
Toluene
Concen: 73.639 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion: 92 Resp: 1376890
Ion Ratio Lower Upper
92 100
91 170.2 136.2 204.2

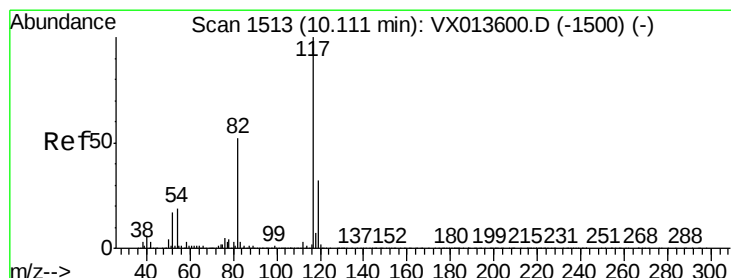
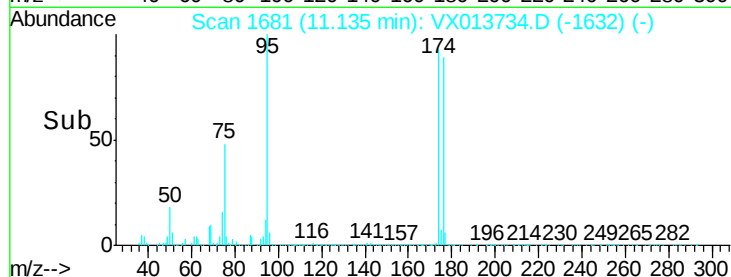
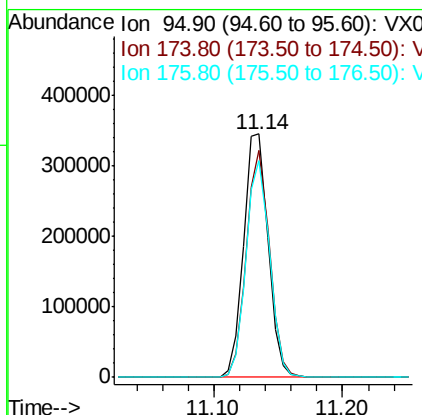
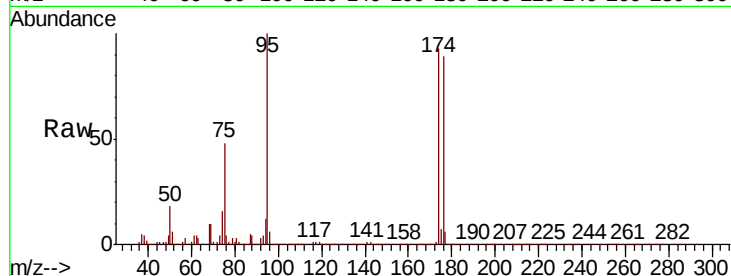




#62
4-Bromofluorobenzene
Concen: 47.851 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

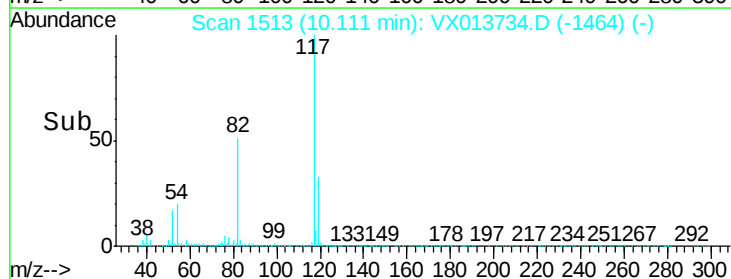
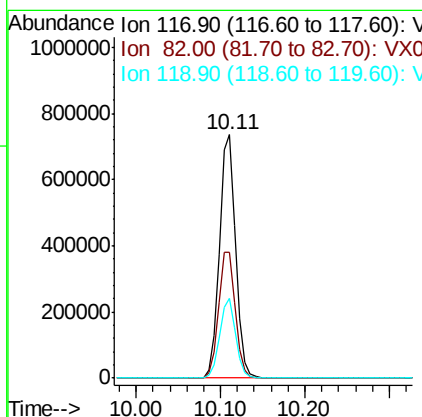
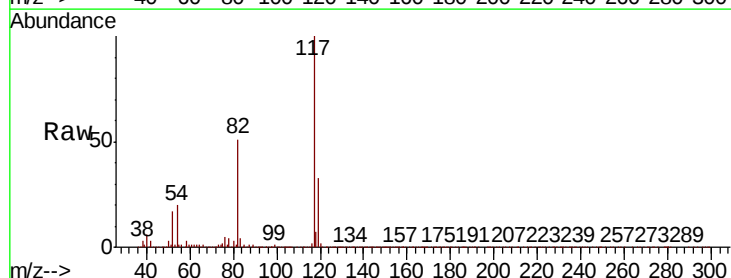
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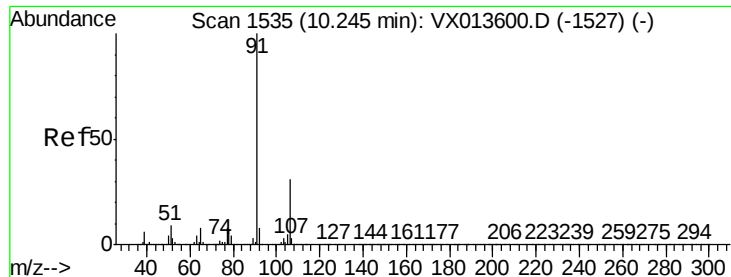
Tot Ion: 95 Resp: 452456
Ion Ratio Lower Upper
95 100
174 88.2 0.0 180.0
176 85.5 0.0 173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion: 117 Resp: 976644
Ion Ratio Lower Upper
117 100
82 51.4 41.8 62.8
119 32.8 25.8 38.8





#67

Ethyl Benzene

Concen: 12.134 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

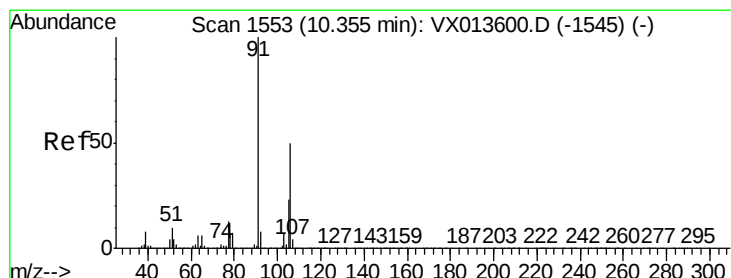
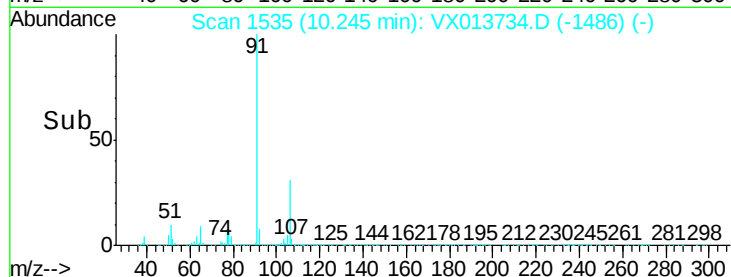
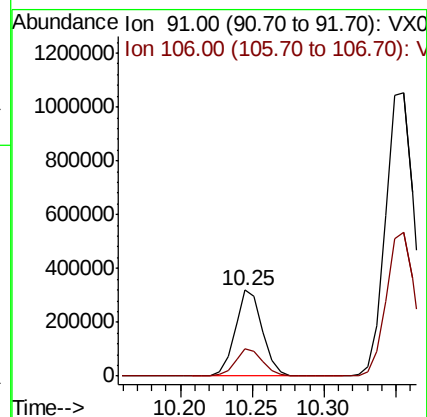
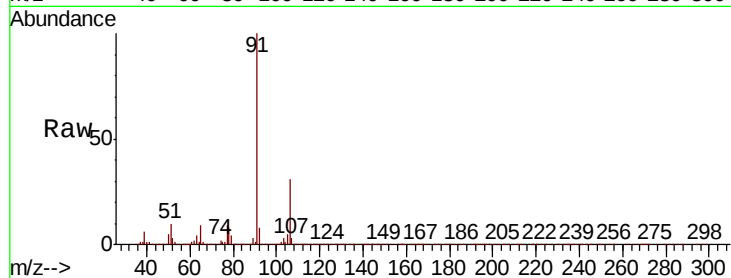
ClientSampleId :
30582

Tot Ion: 91 Resp: 422806

Ion Ratio Lower Upper

91 100

106 31.3 24.5 36.7



#68

m/p-Xylenes

Concen: 54.335 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013734.D

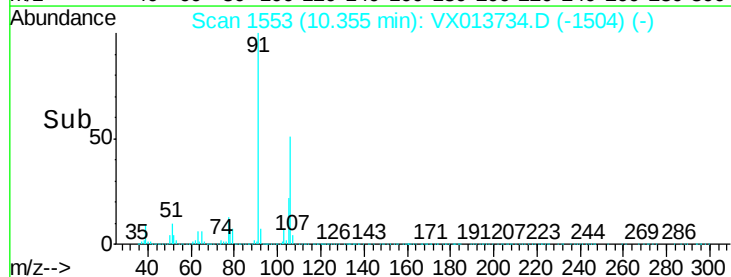
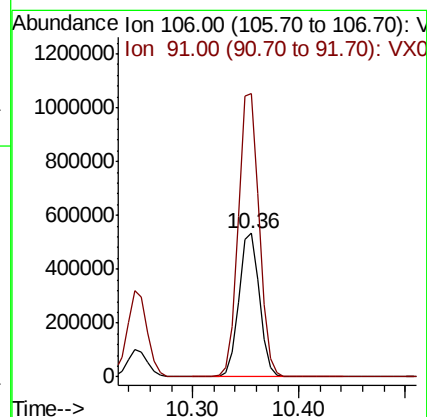
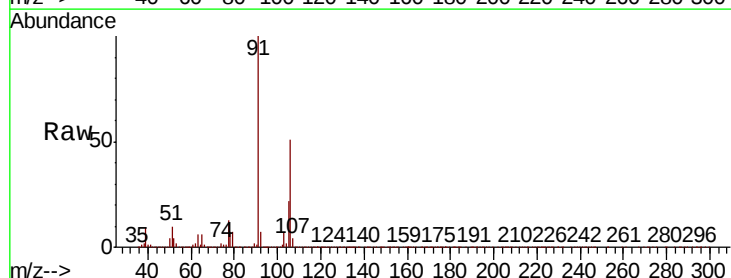
Acq: 03 Dec 2019 18:54

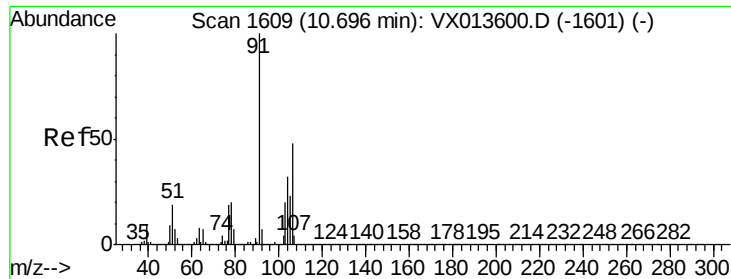
Tgt Ion: 106 Resp: 724838

Ion Ratio Lower Upper

106 100

91 200.1 159.0 238.4

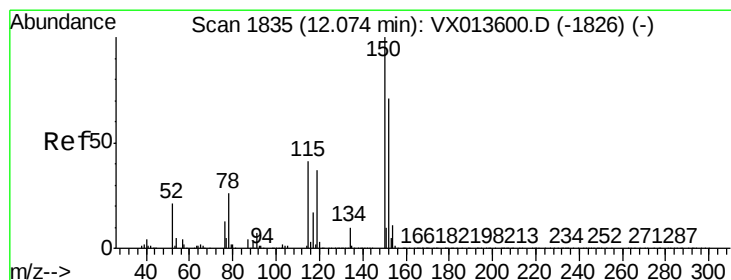
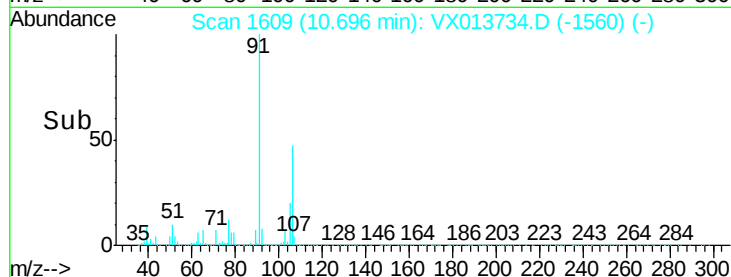
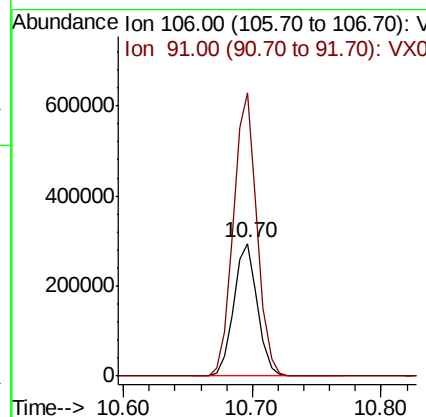
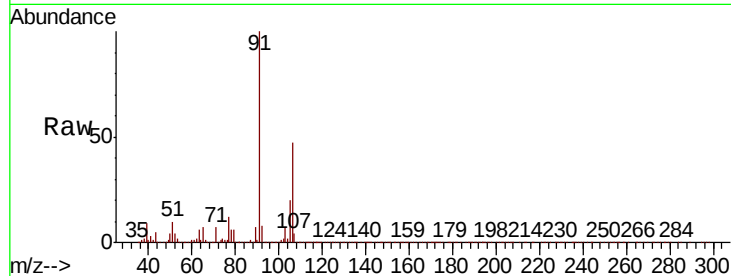




#69
o-Xylene
Concen: 29.063 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

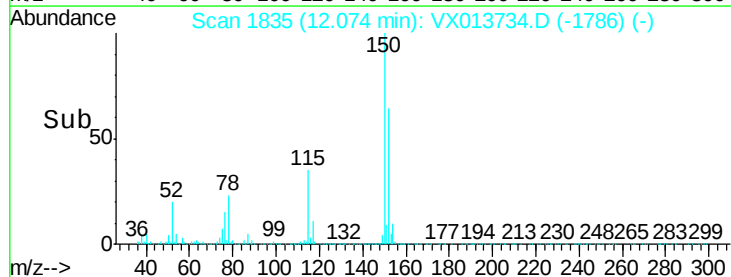
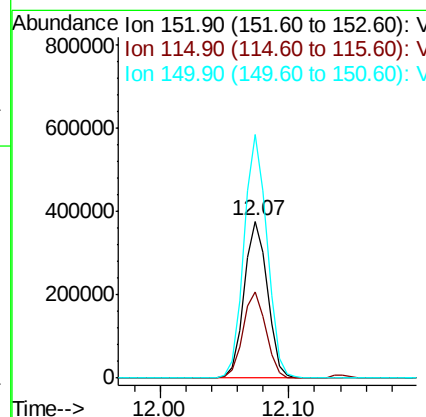
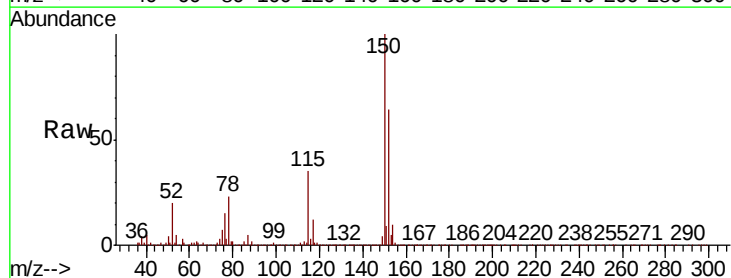
Instrument :
MSVOA_X
ClientSampleId :
30582

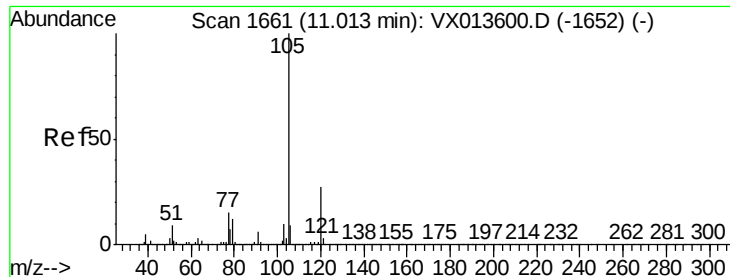
Tot Ion:106 Resp: 378126
Ion Ratio Lower Upper
106 100
91 213.5 104.1 312.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion:152 Resp: 469383
Ion Ratio Lower Upper
152 100
115 54.1 38.4 115.1
150 154.9 0.0 346.8





#73

Isopropylbenzene

Concen: 2.212 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

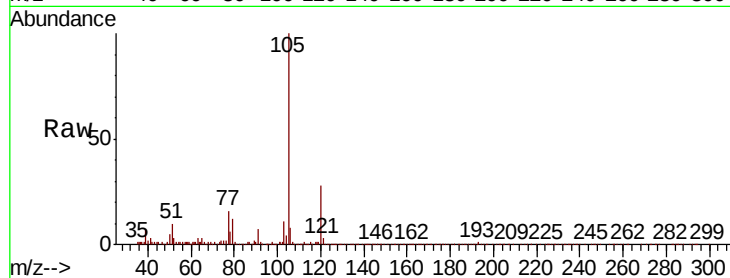
30582

Tot Ion: 105 Resp: 72832

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

40000

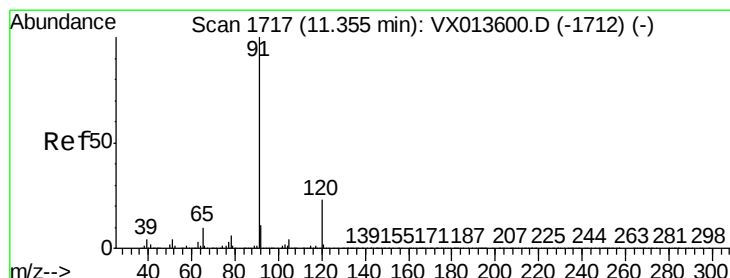
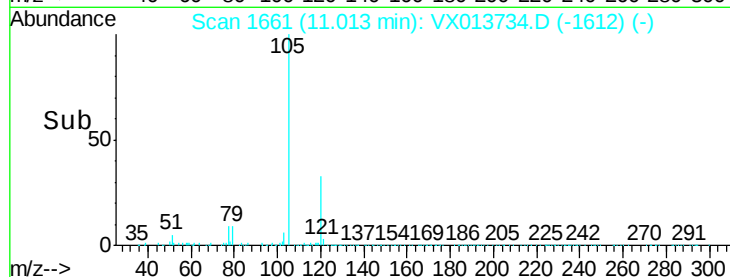
20000

0

11.01

10.95 11.00 11.05 11.10

Time-->



#78

n-propylbenzene

Concen: 1.854 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013734.D

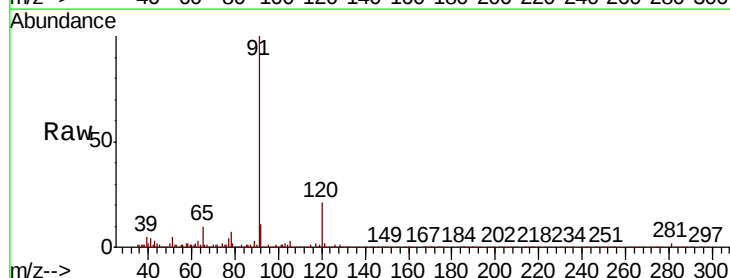
Acq: 03 Dec 2019 18:54

Tgt Ion: 91 Resp: 68142

Ion Ratio Lower Upper

91 100

120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

60000

40000

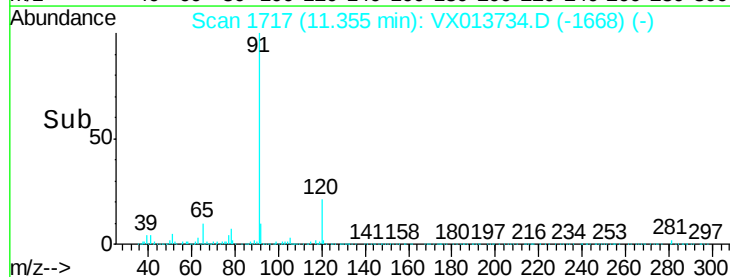
20000

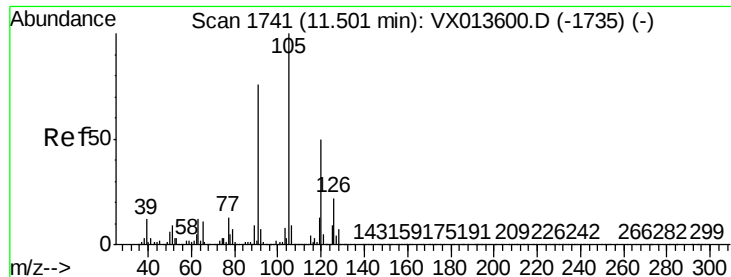
0

11.35

11.30 11.35 11.40

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 5.805 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

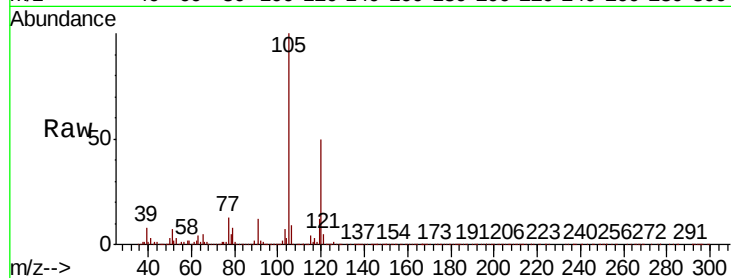
30582

Tot Ion:105 Resp: 156660

Ion Ratio Lower Upper

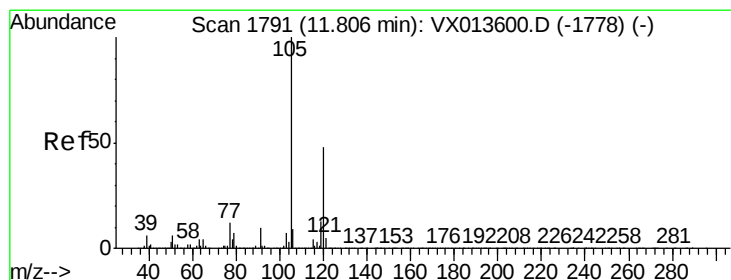
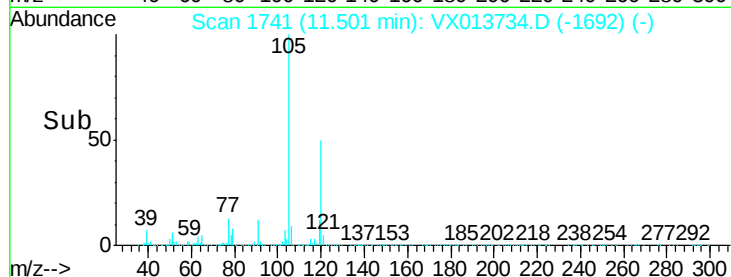
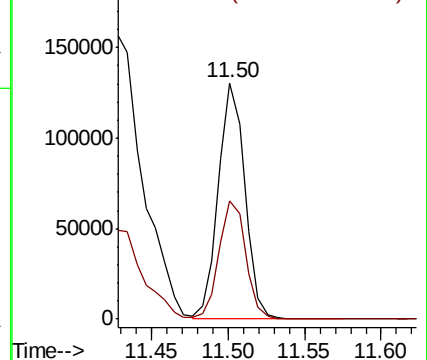
105 100

120 51.0 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 10.422 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX013734.D

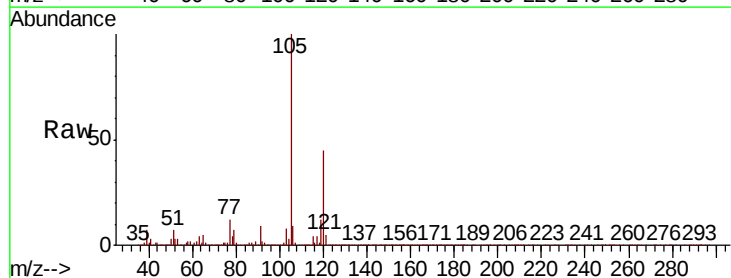
Acq: 03 Dec 2019 18:54

Tgt Ion:105 Resp: 285423

Ion Ratio Lower Upper

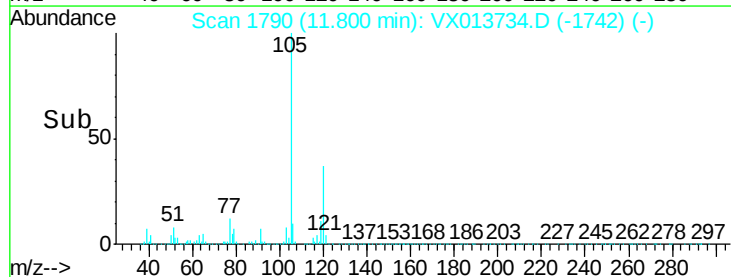
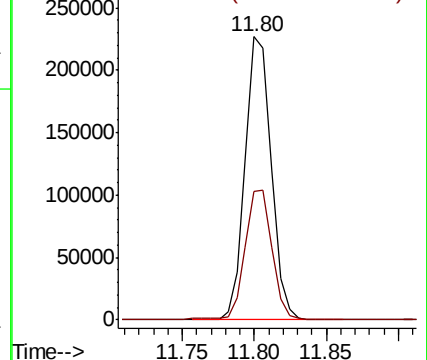
105 100

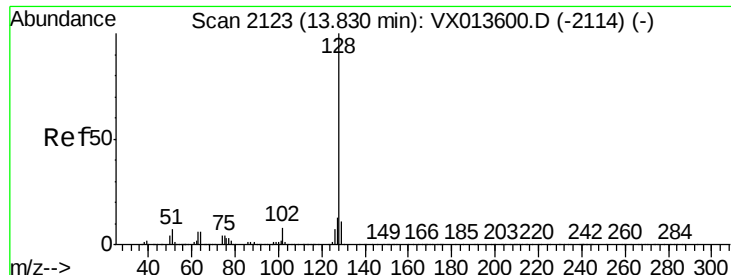
120 46.6 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 3.721 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

30582

Tot Ion:128 Resp: 118316

Ion Ratio Lower Upper

128 100

127 13.8 10.3 15.5

129 11.9 8.7 13.1

