

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120519\
 Data File : VX013772.D
 Acq On : 05 Dec 2019 13:27
 Operator : JC/SP
 Sample : K6134-01 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30573

Quant Time: Dec 06 02:52:30 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	661568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1002722	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	909292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	434660	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	361484	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
35) Dibromofluoromethane	5.49	113	297514	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	8.71	98	1220686	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.13	95	413554	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	

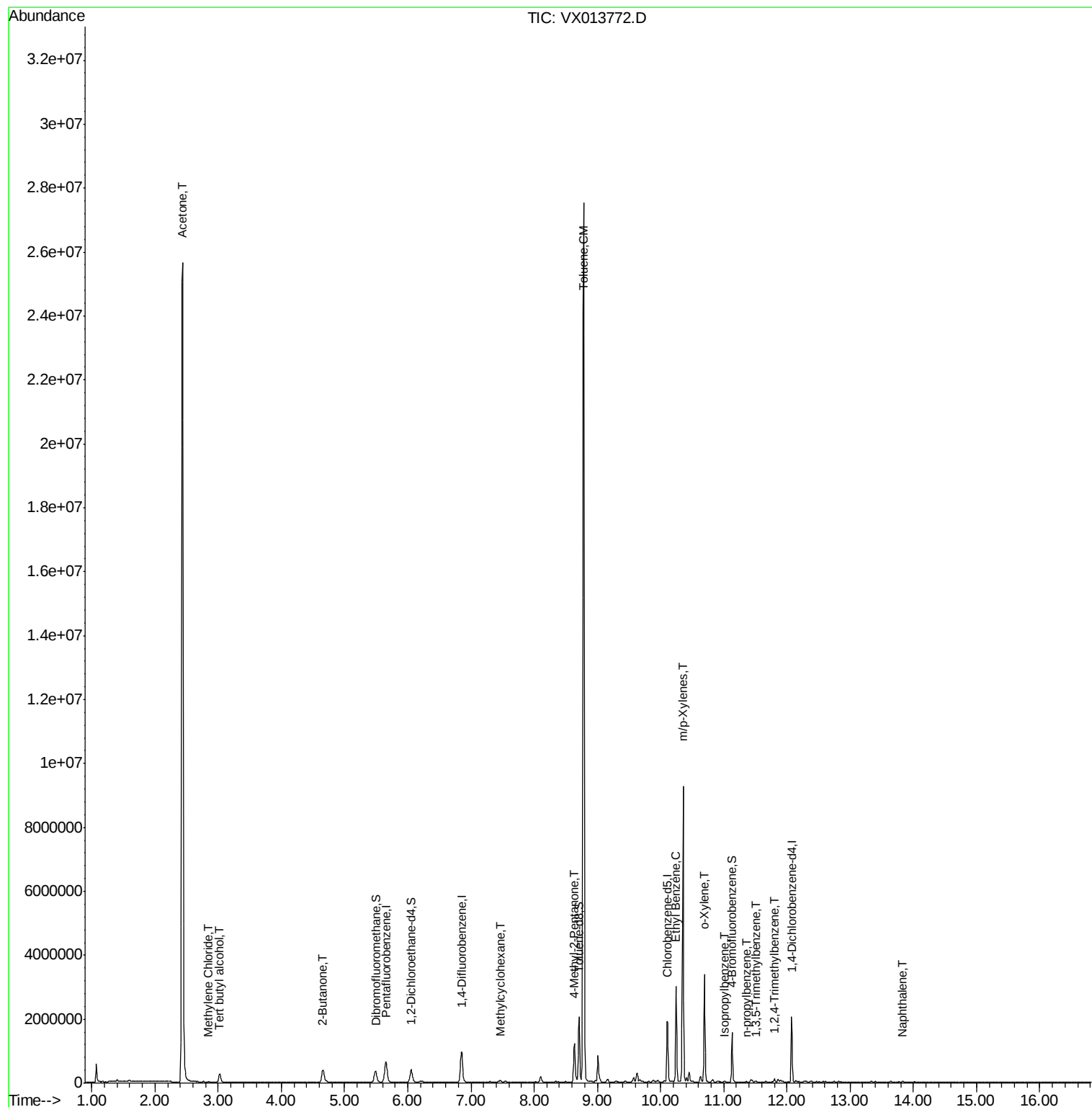
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	300073	158.308	ug/l	97
16) Acetone	2.42	43	21406590	5646.132	ug/l #	49
20) Methylene Chloride	2.85	84	3650	0.501	ug/l	88
25) 2-Butanone	4.65	43	663513	117.755	ug/l	100
39) Methylcyclohexane	7.46	83	24508	2.178	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	701912	66.378	ug/l	100
52) Toluene	8.78	92	11106121	644.873	ug/l	80
67) Ethyl Benzene	10.25	91	1697357	52.321	ug/l	98
68) m/p-Xylenes	10.36	106	2197730	176.948	ug/l	99
69) o-Xylene	10.70	106	732964	60.508	ug/l	99
73) Isopropylbenzene	11.01	105	11793	0.387	ug/l	85
78) n-propylbenzene	11.35	91	12273	0.361	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	11698	0.468	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	49970	1.970	ug/l	99
95) Naphthalene	13.83	128	10724	0.364	ug/l #	80

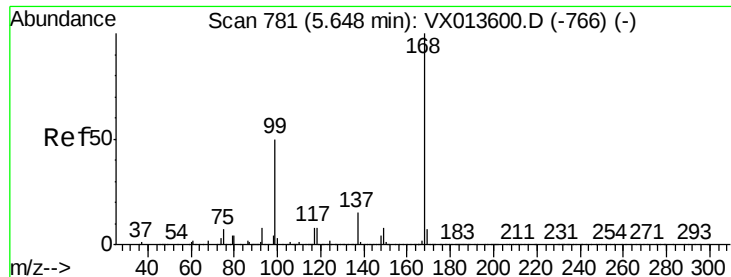
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120519\
Data File : VX013772.D
Acq On : 05 Dec 2019 13:27
Operator : JC/SP
Sample : K6134-01 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
30573

Quant Time: Dec 06 02:52:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration



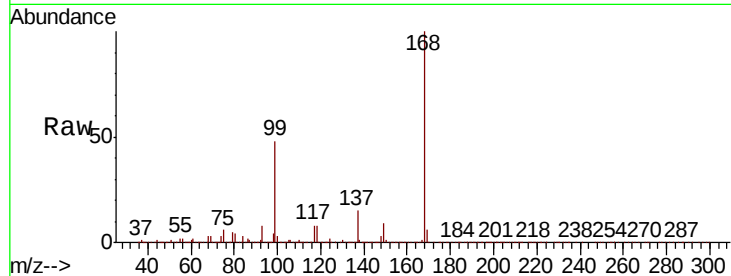


#1

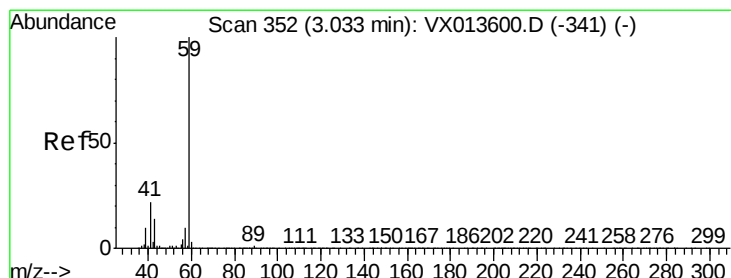
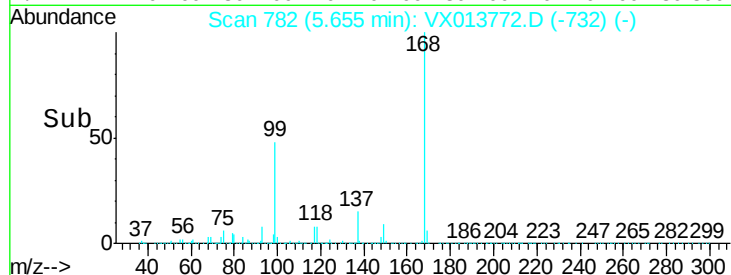
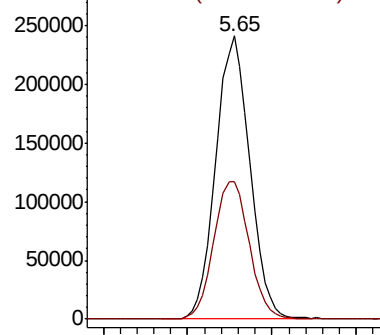
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX013772.D
 Acq: 05 Dec 2019 13:27

Instrument :
 MSVOA_X
 ClientSampled :
 30573

Tot Ion:168 Resp: 661568
 Ion Ratio Lower Upper
 168 100
 99 48.4 39.8 59.8



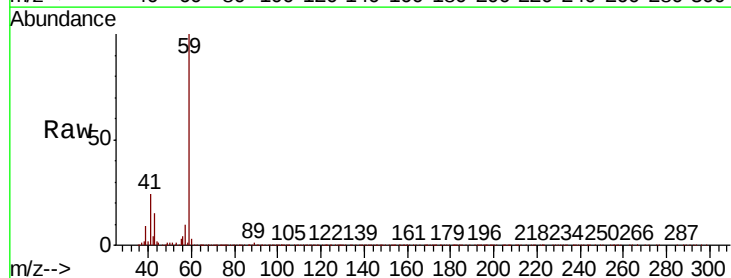
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



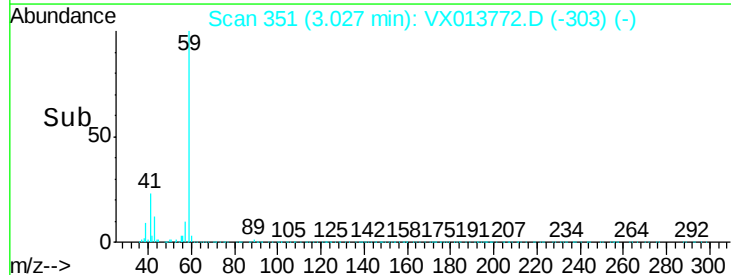
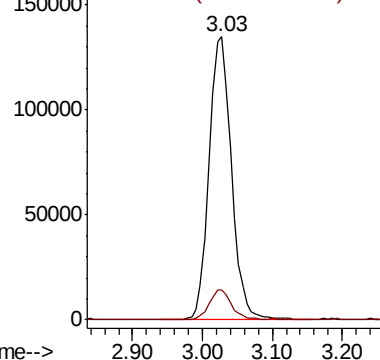
#11

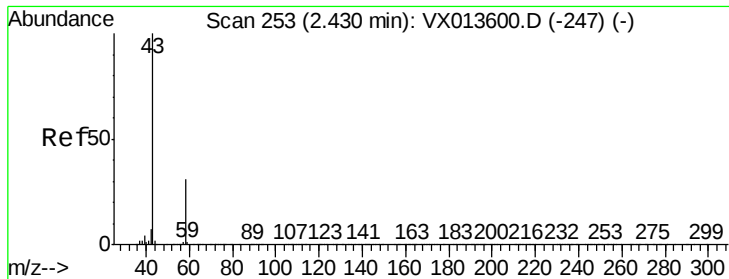
Tert butyl alcohol
 Concen: 158.308 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX013772.D
 Acq: 05 Dec 2019 13:27

Tgt Ion: 59 Resp: 300073
 Ion Ratio Lower Upper
 59 100
 57 10.7 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0

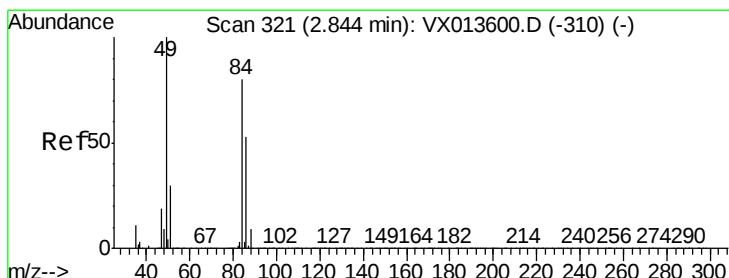
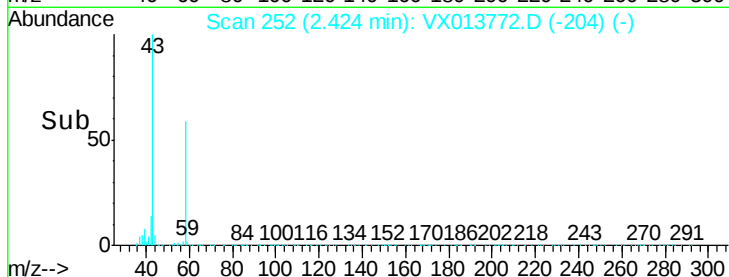
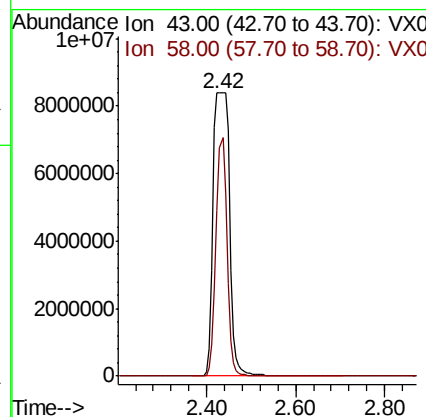
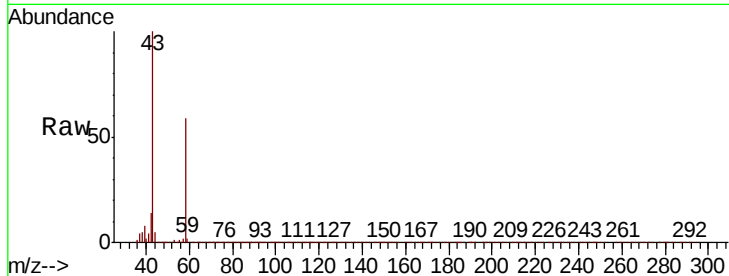




#16
Acetone
Concen: 5646.132 ug/l
RT: 2.42 min Scan# 252
Delta R.T. -0.01 min
Lab File: VX013772.D
Acq: 05 Dec 2019 13:27

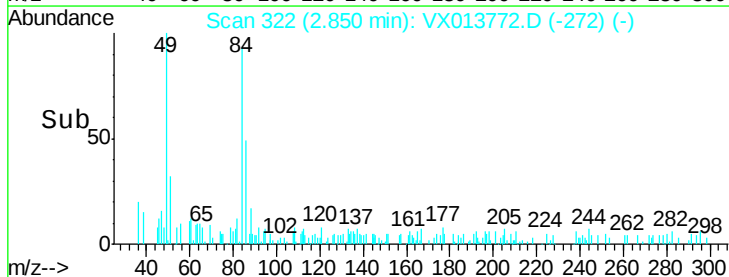
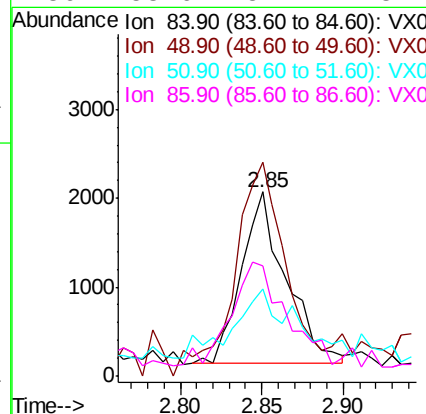
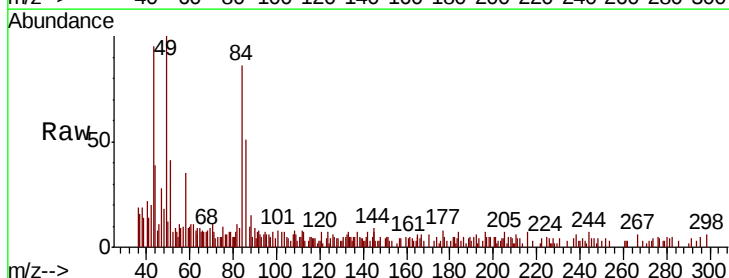
Instrument :
MSVOA_X
ClientSampleId :
30573

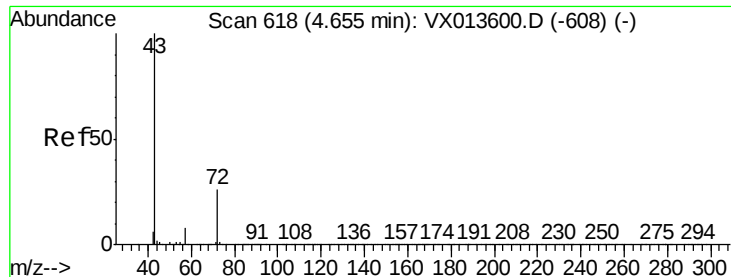
Tot Ion: 43 Resp: 21406590
Ion Ratio Lower Upper
43 100
58 58.5 24.6 36.8#



#20
Methylene Chloride
Concen: 0.501 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013772.D
Acq: 05 Dec 2019 13:27

Tgt Ion: 84 Resp: 3650
Ion Ratio Lower Upper
84 100
49 113.6 99.7 149.5
51 30.2 29.9 44.9
86 53.6 52.2 78.4





#25

2-Butanone

Concen: 117.755 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX013772.D

Acq: 05 Dec 2019 13:27

Instrument :

MSVOA_X

ClientSampled :

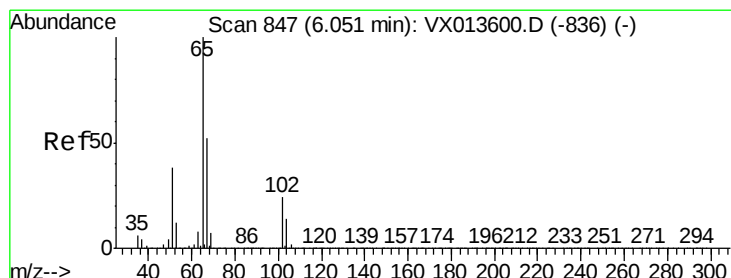
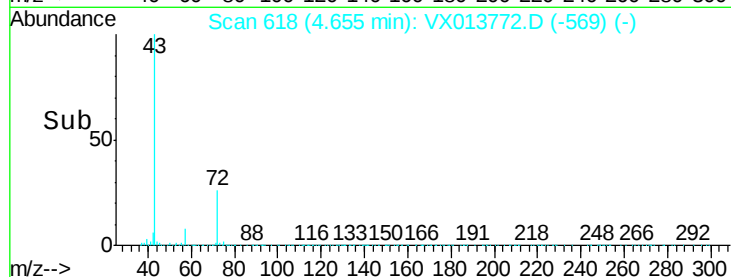
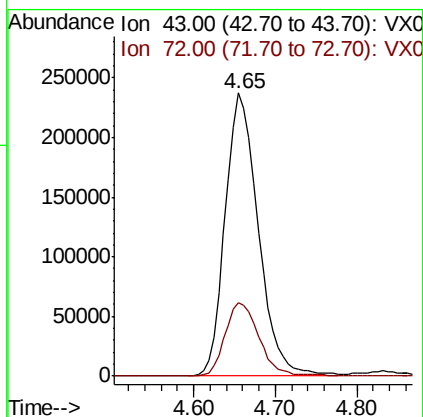
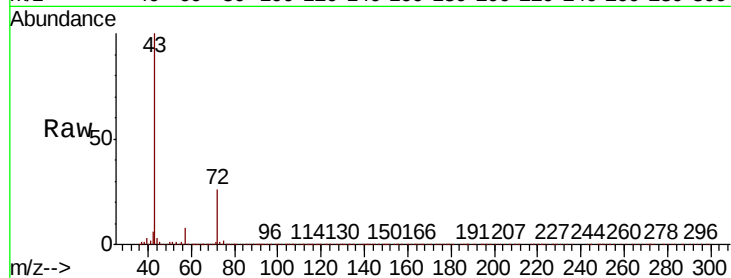
30573

Tot Ion: 43 Resp: 663513

Ion Ratio Lower Upper

43 100

72 25.8 20.6 31.0



#33

1,2-Dichloroethane-d4

Concen: 47.072 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013772.D

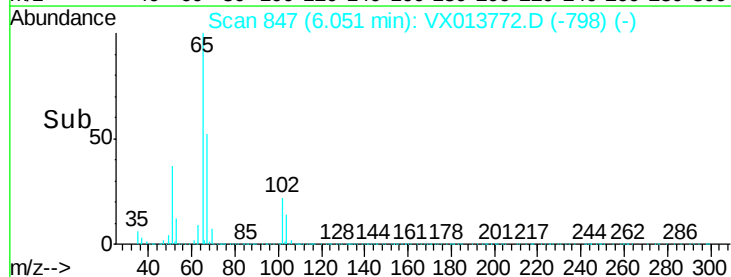
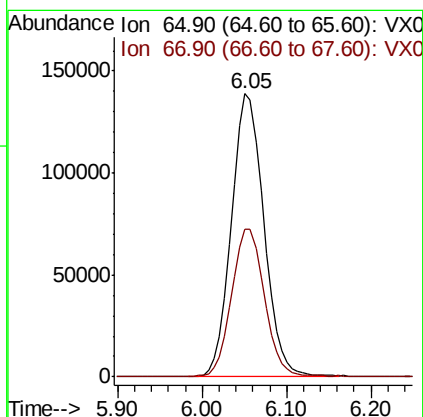
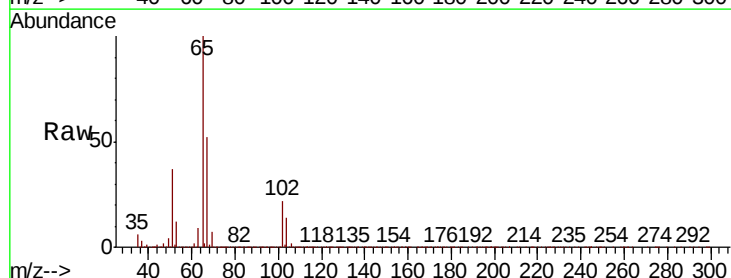
Acq: 05 Dec 2019 13:27

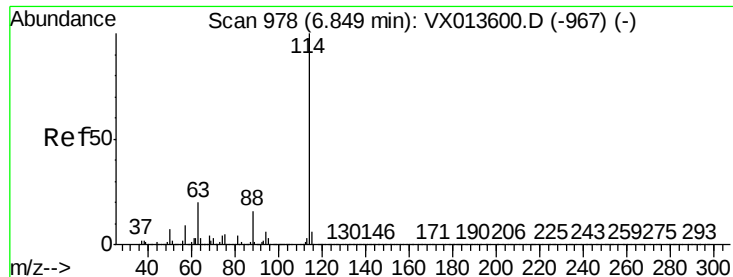
Tgt Ion: 65 Resp: 361484

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013772.D

Acq: 05 Dec 2019 13:27

Instrument :

MSVOA_X

ClientSampled :

30573

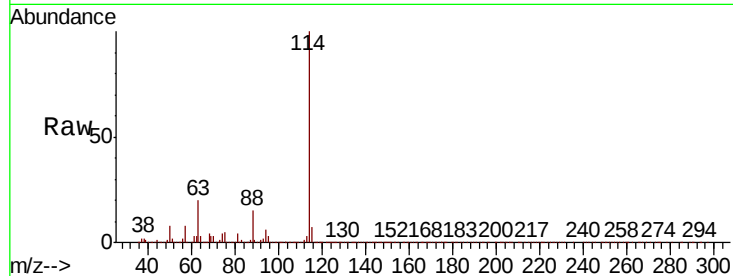
Tot Ion:114 Resp: 1002722

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

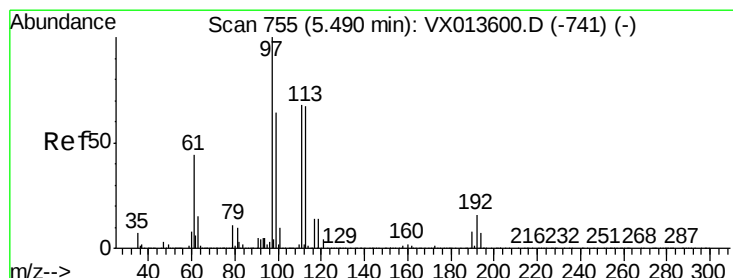
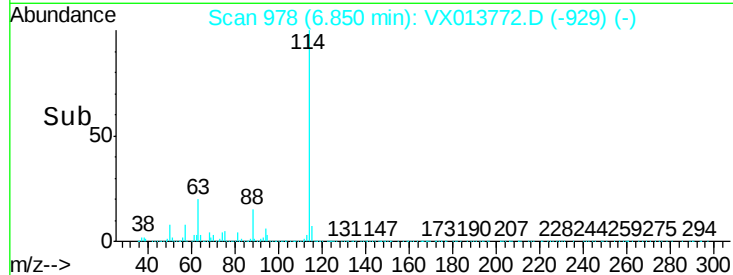
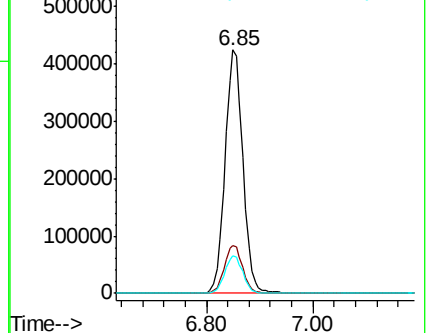
88 15.5 0.0 31.4



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: 47.994 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013772.D

Acq: 05 Dec 2019 13:27

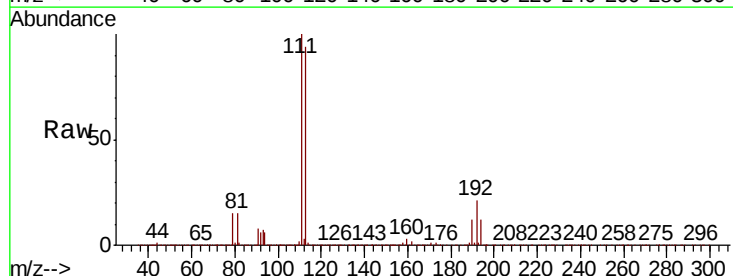
Tgt Ion:113 Resp: 297514

Ion Ratio Lower Upper

113 100

111 104.6 83.6 125.4

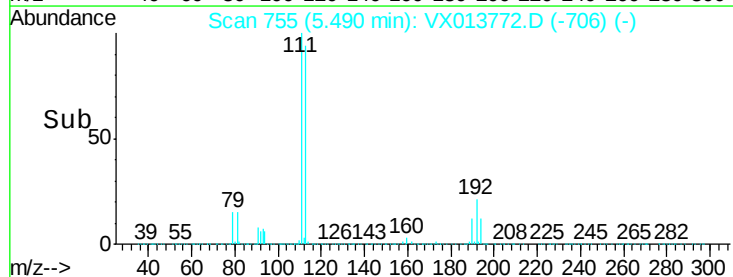
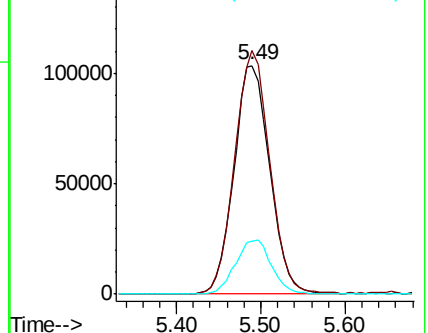
192 23.8 19.2 28.8

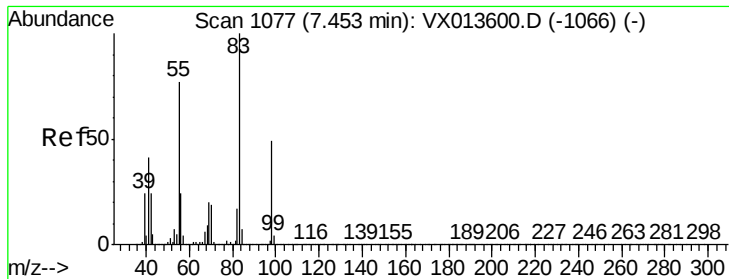


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

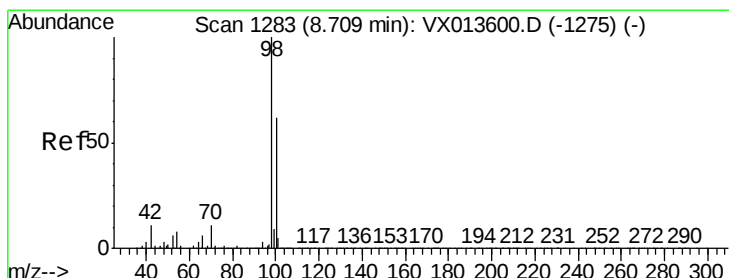
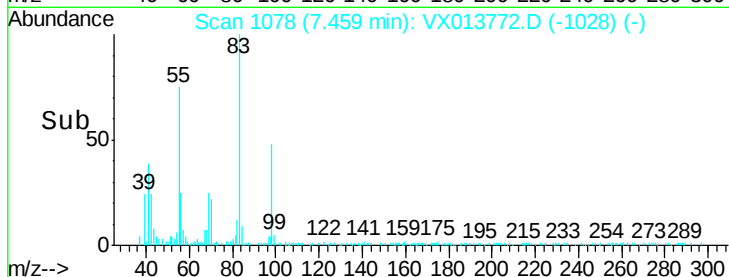
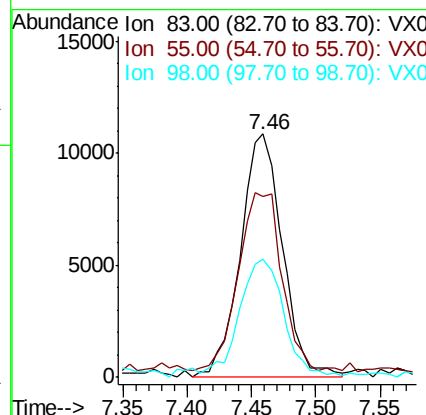
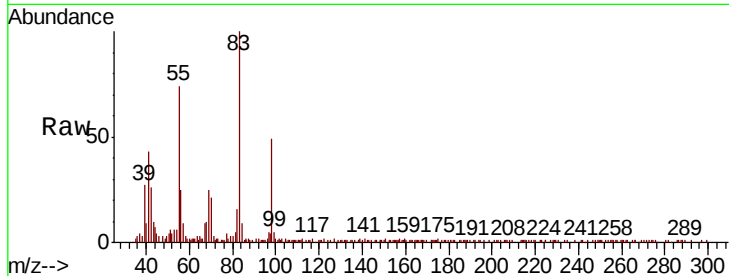




#39
Methvlcvclohexane
Concen: 2.178 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013772.D
Acq: 05 Dec 2019 13:27

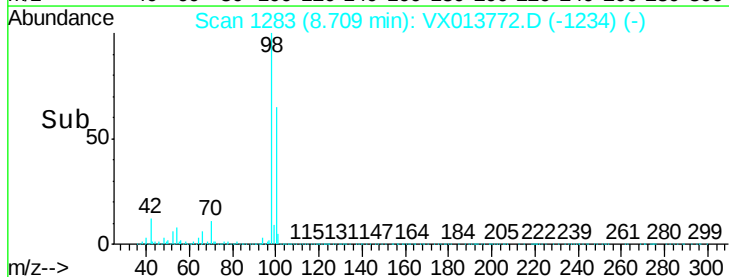
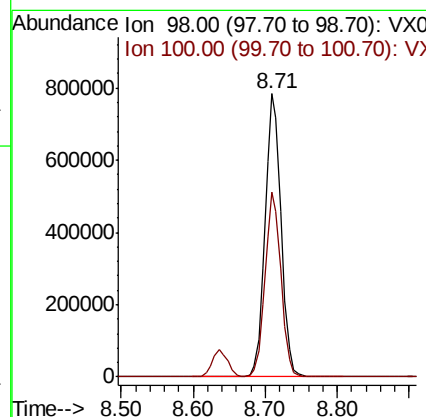
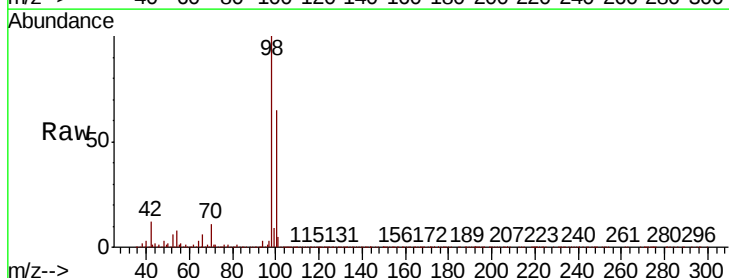
Instrument :
MSVOA_X
ClientSampleId :
30573

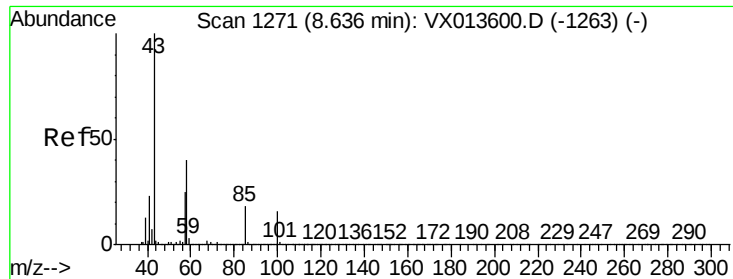
Tot Ion	Ratio	Lower	Upper
83	100		
55	71.5	61.9	92.9
98	48.0	39.4	59.0



#50
Toluene-d8
Concen: 50.542 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013772.D
Acq: 05 Dec 2019 13:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	53.1	79.7

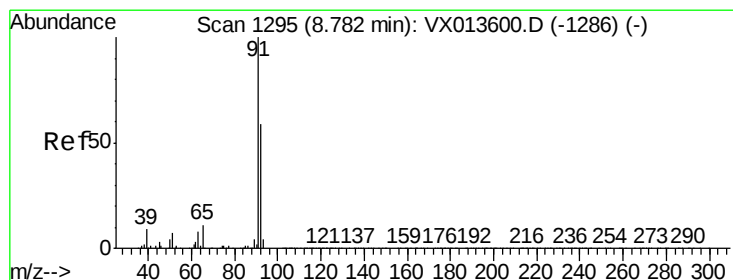
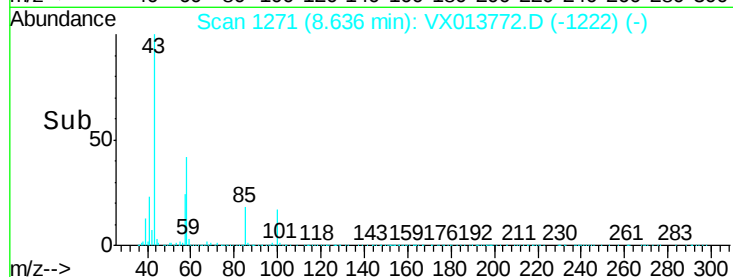
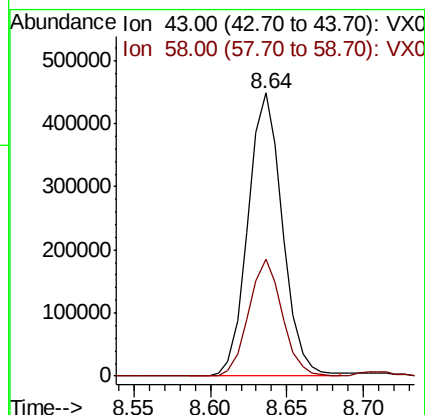
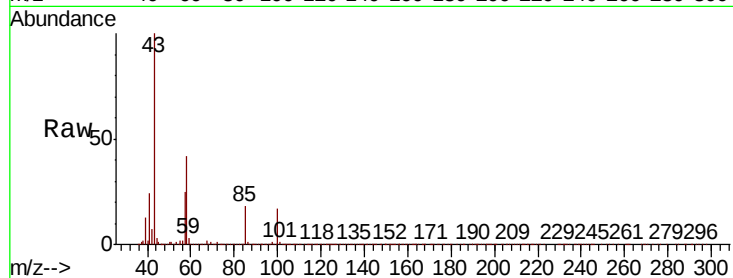




#51
4-Methyl-2-Pentanone
Concen: 66.378 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013772.D
Acq: 05 Dec 2019 13:27

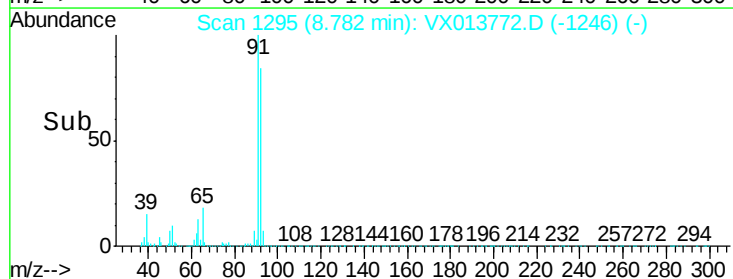
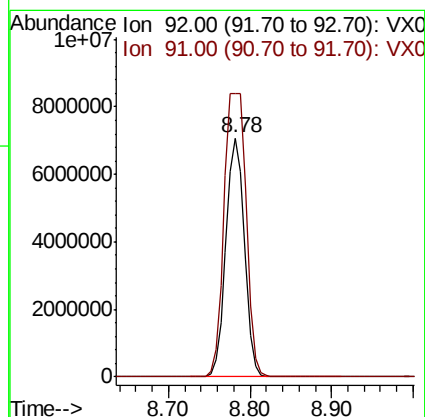
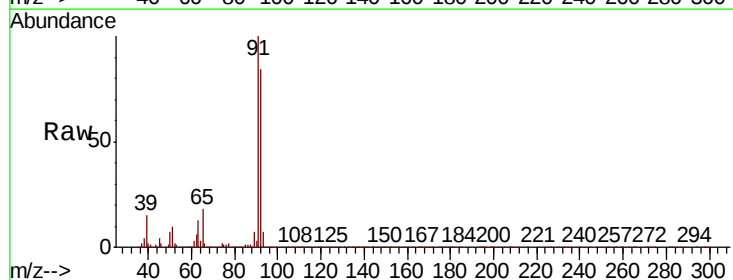
Instrument :
MSVOA_X
ClientSampleId :
30573

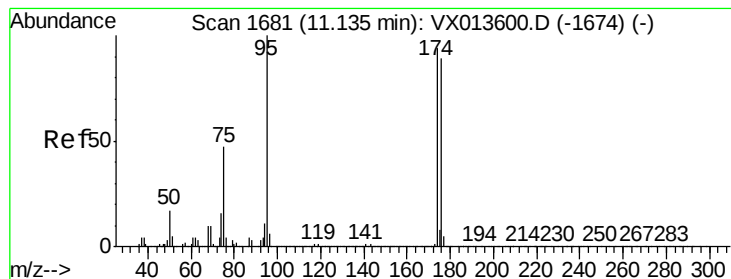
Tot Ion: 43 Resp: 701912
Ion Ratio Lower Upper
43 100
58 40.1 32.1 48.1



#52
Toluene
Concen: 644.873 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX013772.D
Acq: 05 Dec 2019 13:27

Tgt Ion: 92 Resp: 11106121
Ion Ratio Lower Upper
92 100
91 143.1 136.2 204.2





#62

4-Bromofluorobenzene

Concen: 47.485 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013772.D

Acq: 05 Dec 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

30573

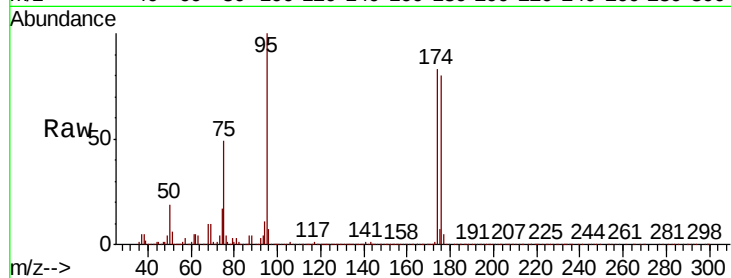
Tot Ion: 95 Resp: 413554

Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.0

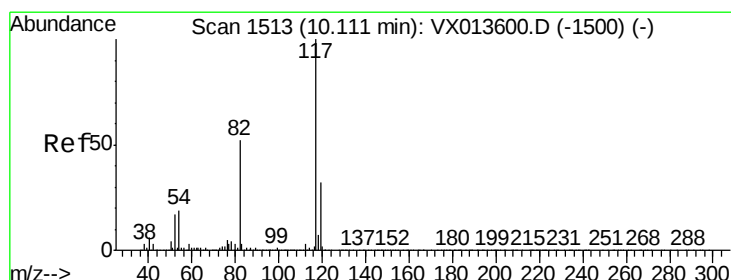
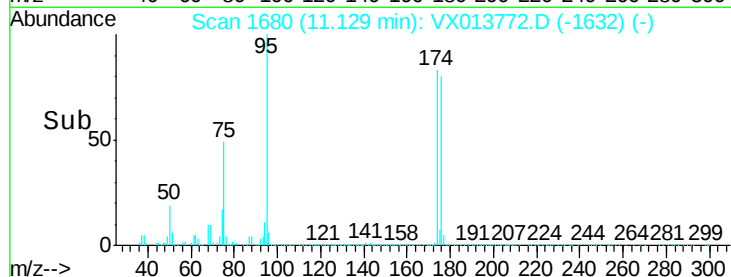
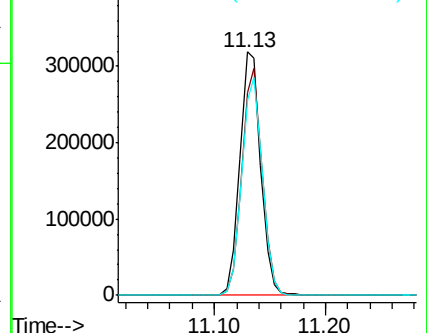
176 88.2 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013772.D

Acq: 05 Dec 2019 13:27

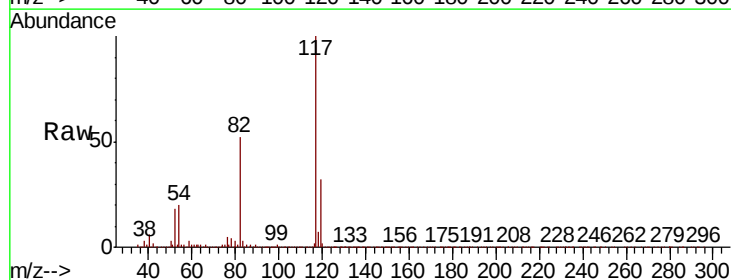
Tgt Ion: 117 Resp: 909292

Ion Ratio Lower Upper

117 100

82 51.6 41.8 62.8

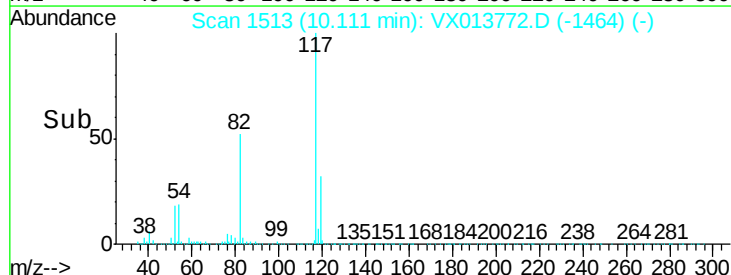
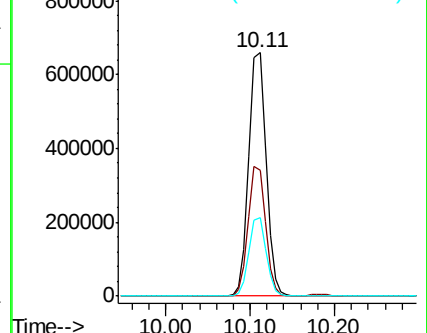
119 32.2 25.8 38.8

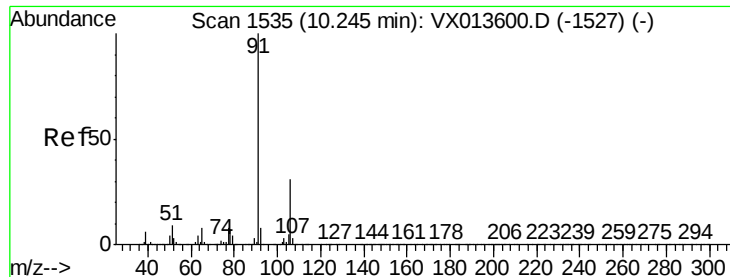


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 52.321 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013772.D

Acq: 05 Dec 2019 13:27

Instrument :

MSVOA_X

ClientSampled :

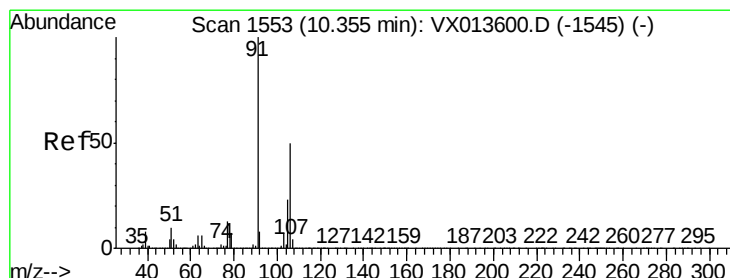
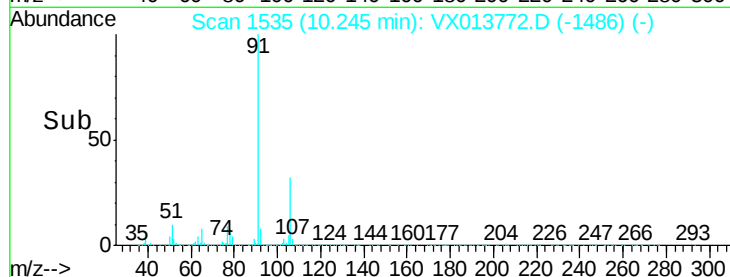
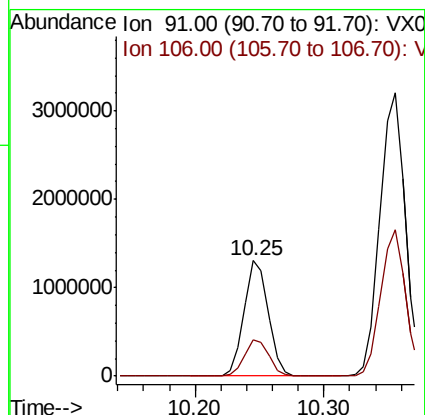
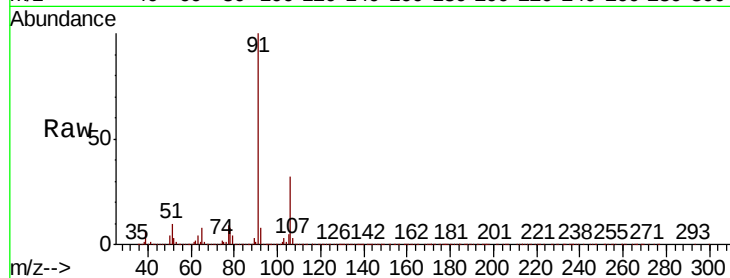
30573

Tot Ion: 91 Resp: 1697357

Ion Ratio Lower Upper

91 100

106 31.7 24.5 36.7



#68

m/p-Xylenes

Concen: 176.948 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013772.D

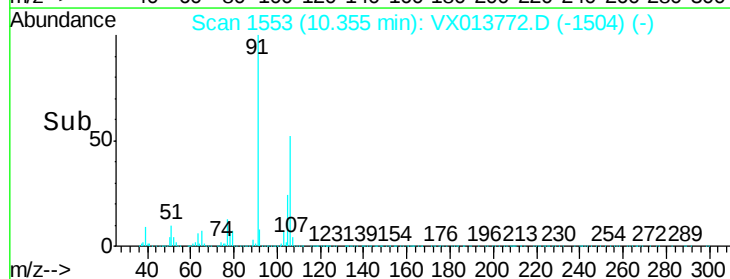
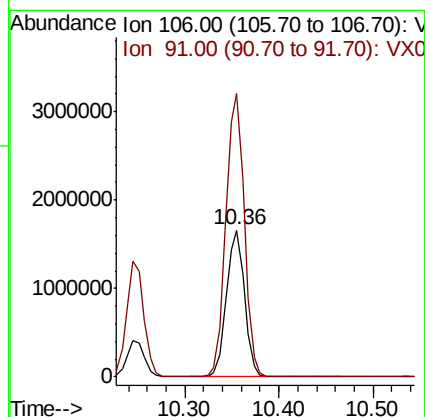
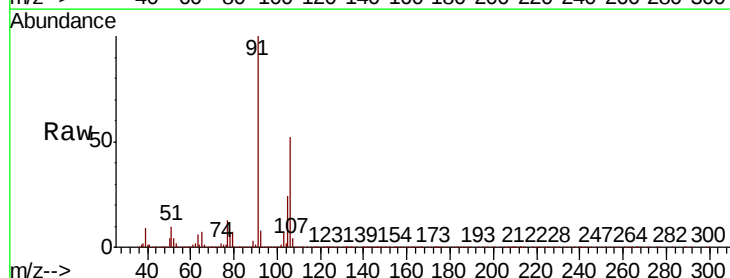
Acq: 05 Dec 2019 13:27

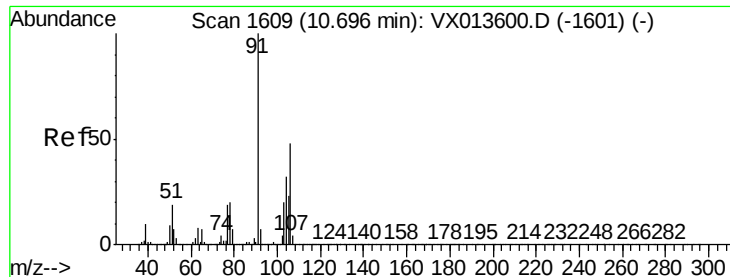
Tgt Ion: 106 Resp: 2197730

Ion Ratio Lower Upper

106 100

91 197.4 159.0 238.4

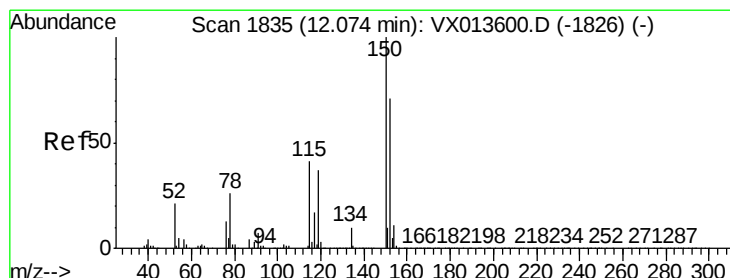
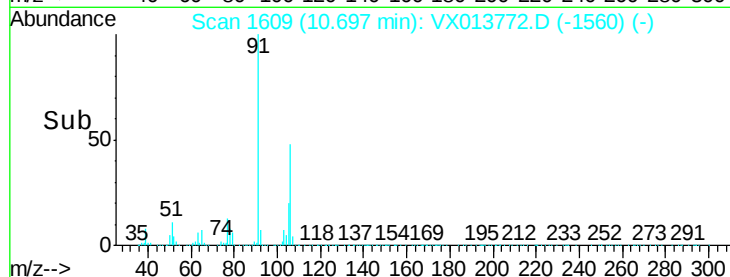
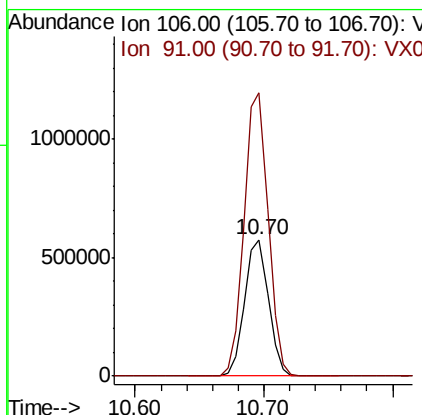
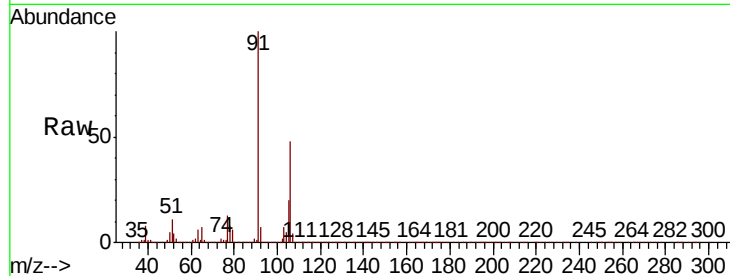




#69
o-Xylene
Concen: 60.508 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013772.D
Acq: 05 Dec 2019 13:27

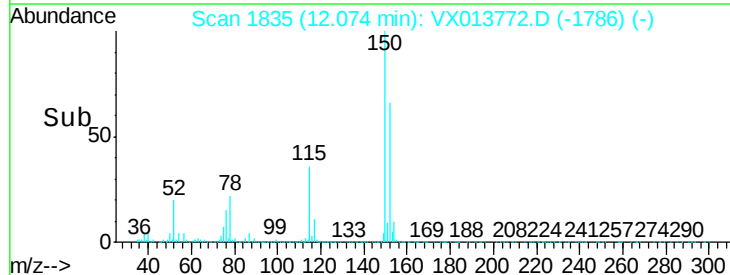
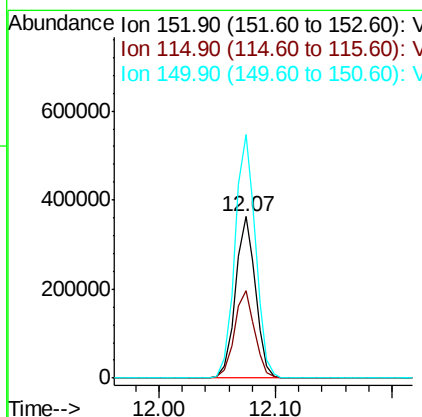
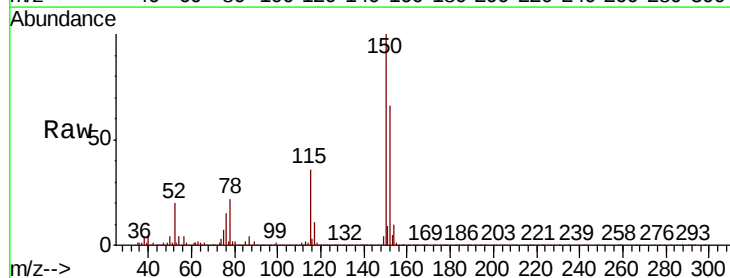
Instrument :
MSVOA_X
ClientSampled :
30573

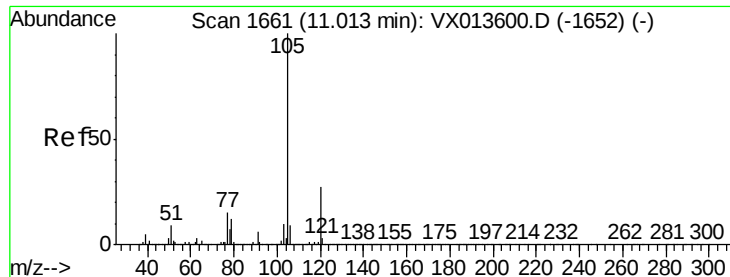
Tot Ion:106 Resp: 732964
Ion Ratio Lower Upper
106 100
91 210.0 104.1 312.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013772.D
Acq: 05 Dec 2019 13:27

Tgt Ion:152 Resp: 434660
Ion Ratio Lower Upper
152 100
115 54.5 38.4 115.1
150 154.2 0.0 346.8





#73

Isopropylbenzene

Concen: 0.387 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013772.D

Acq: 05 Dec 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

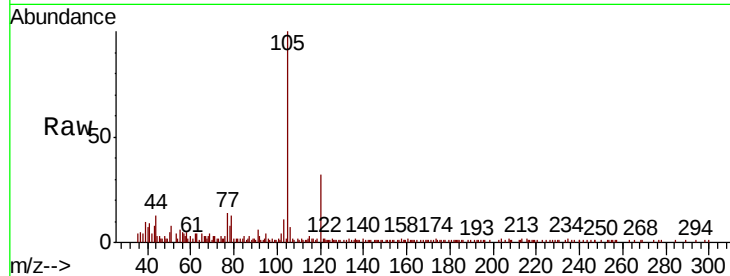
30573

Tot Ion:105 Resp: 11793

Ion Ratio Lower Upper

105 100

120 34.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

10000

8000

6000

4000

2000

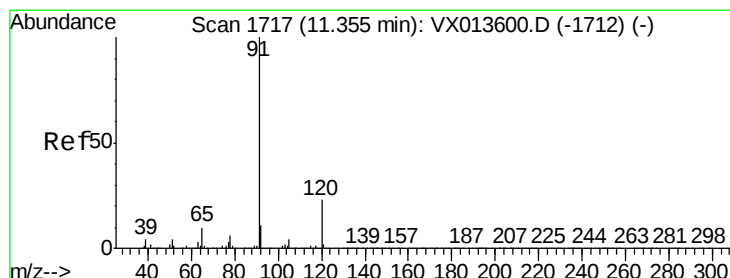
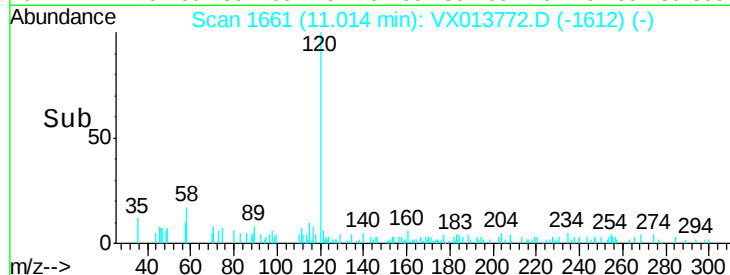
0

Time-->

10.95

11.00

11.05



#78

n-propylbenzene

Concen: 0.361 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013772.D

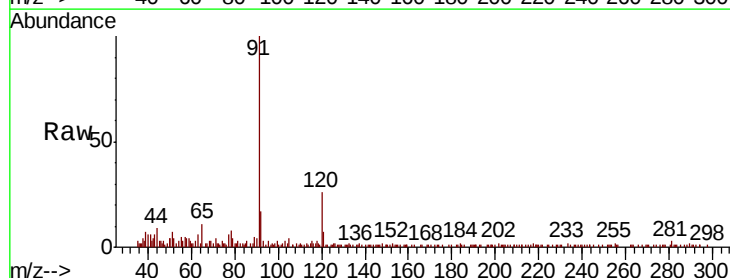
Acq: 05 Dec 2019 13:27

Tgt Ion: 91 Resp: 12273

Ion Ratio Lower Upper

91 100

120 28.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.35

10000

8000

6000

4000

2000

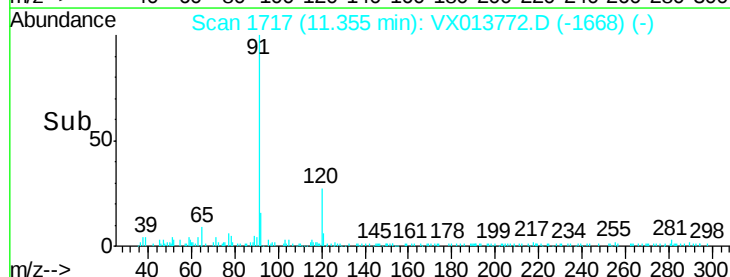
0

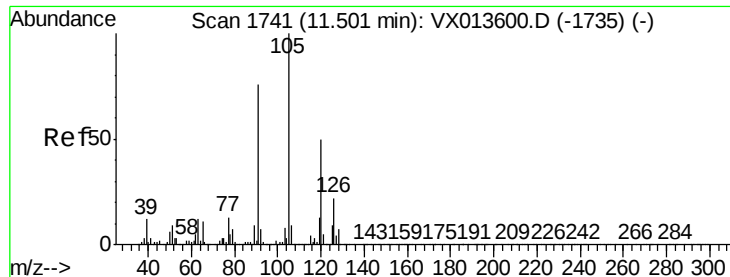
Time-->

11.30

11.35

11.40





#80

1,3,5-Trimethylbenzene

Concen: 0.468 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013772.D

Acq: 05 Dec 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

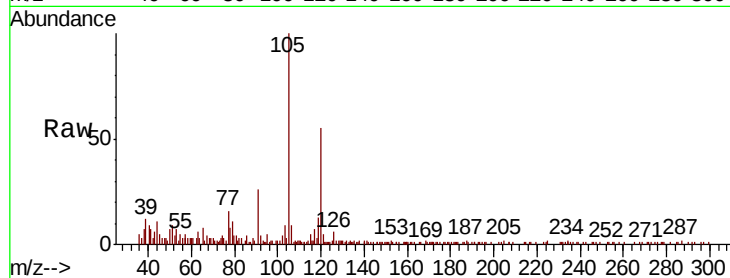
30573

Tot Ion:105 Resp: 11698

Ion Ratio Lower Upper

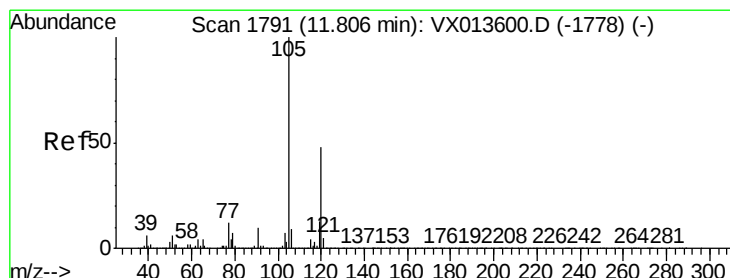
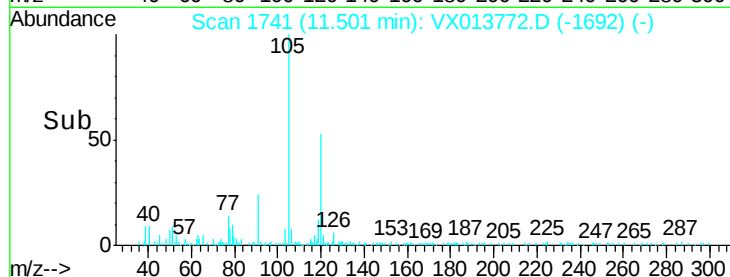
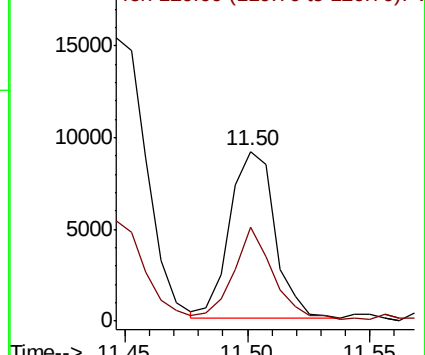
105 100

120 48.0 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: 1.970 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX013772.D

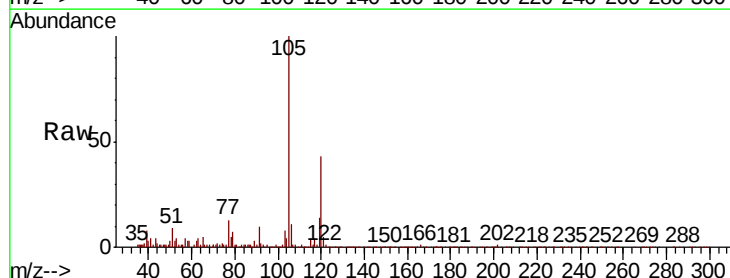
Acq: 05 Dec 2019 13:27

Tgt Ion:105 Resp: 49970

Ion Ratio Lower Upper

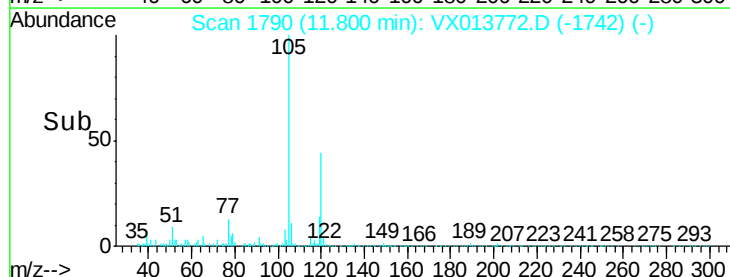
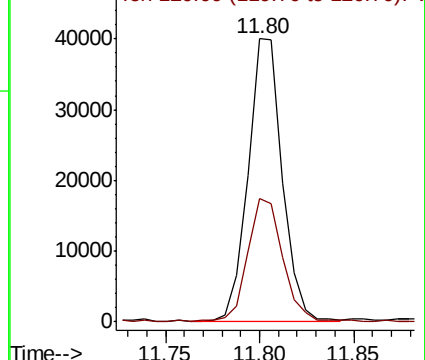
105 100

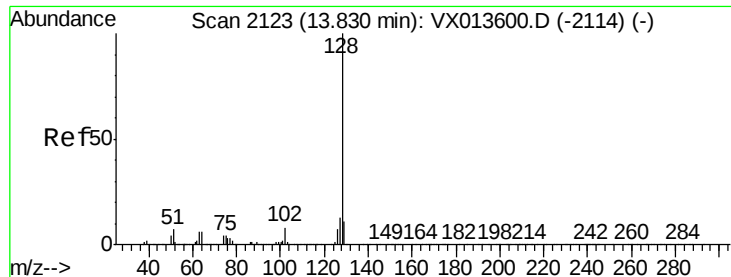
120 45.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 0.364 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013772.D

Acq: 05 Dec 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

30573

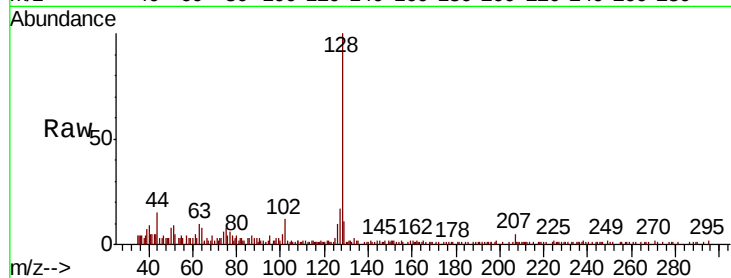
Tot Ion:128 Resp: 10724

Ion Ratio Lower Upper

128 100

127 21.4 10.3 15.5#

129 17.8 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

