

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122718\
 Data File : VX006845.D
 Acq On : 27 Dec 2018 16:29
 Operator : JC/MD
 Sample : J6571-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 10827

Quant Time: Dec 28 06:04:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	674792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1005902	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	927090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	471586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	337984	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
35) Dibromofluoromethane	5.50	113	296571	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
50) Toluene-d8	8.71	98	1190544	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	11.13	95	439665	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	

Target Compounds

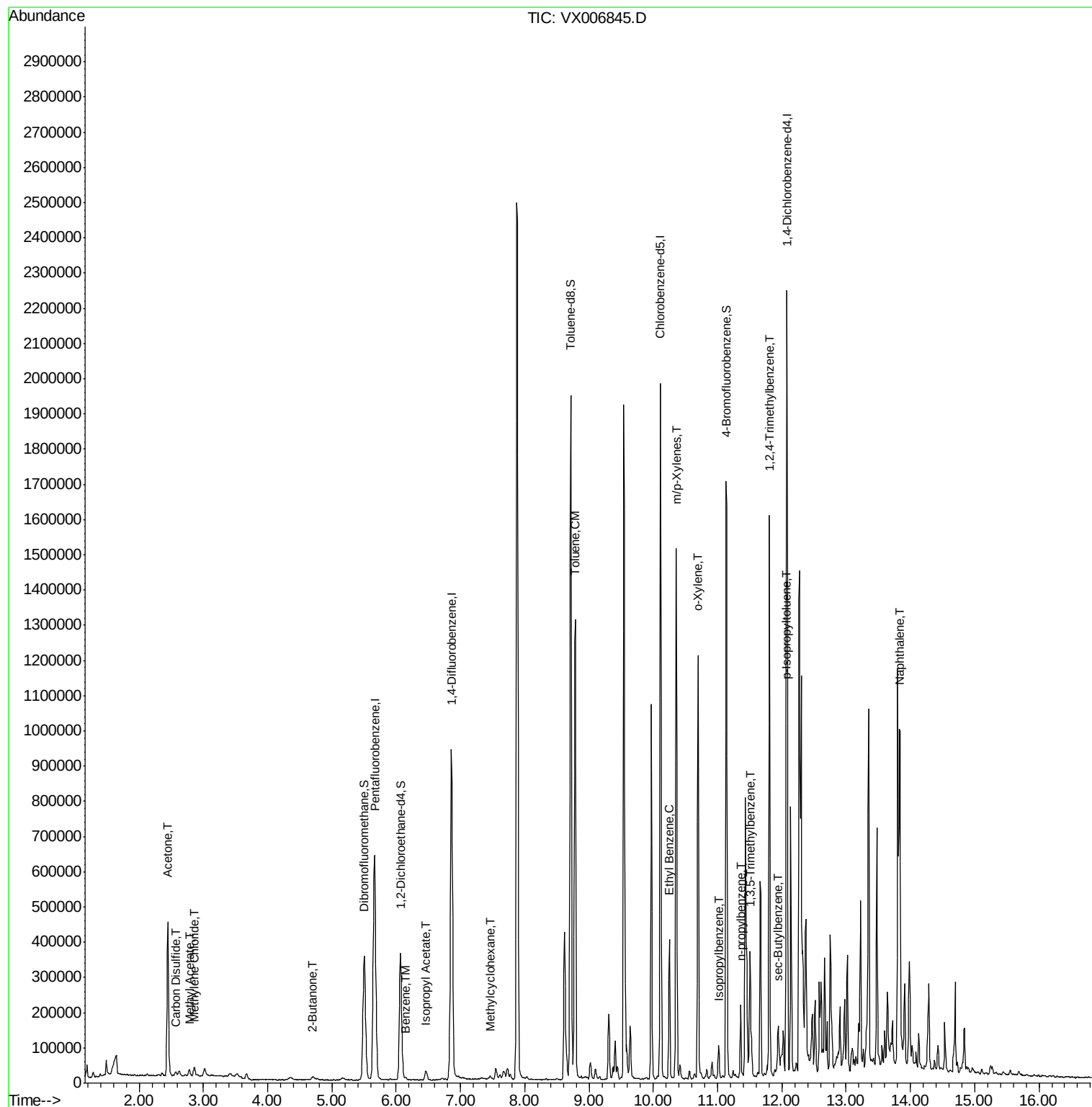
						Qvalue
16) Acetone	2.45	43	464318	138.965	ug/l	99
17) Carbon Disulfide	2.57	76	15717	0.985	ug/l #	92
18) Methyl Acetate	2.78	43	23754	2.418	ug/l	92
20) Methylene Chloride	2.85	84	12278	1.777	ug/l	92
25) 2-Butanone	4.70	43	15778	3.357	ug/l	90
39) Methylcyclohexane	7.46	83	4839	0.441	ug/l #	80
40) Benzene	6.15	78	5216	0.206	ug/l	99
43) Isopropyl Acetate	6.46	43	32168	2.438	ug/l	97
52) Toluene	8.79	92	500721	30.606	ug/l	100
67) Ethyl Benzene	10.25	91	227262	7.091	ug/l	99
68) m/p-Xylenes	10.36	106	384579	30.409	ug/l	99
69) o-Xylene	10.69	106	265562	21.265	ug/l	98
73) Isopropylbenzene	11.02	105	48576	1.506	ug/l	99
78) n-propylbenzene	11.36	91	119893	3.375	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	149624	5.631	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	678944	24.291	ug/l	99
85) sec-Butylbenzene	11.94	105	33423	1.025	ug/l	86
86) p-Isopropyltoluene	12.06	119	21497	0.750	ug/l	94
95) Naphthalene	13.83	128	468829	13.542	ug/l	98

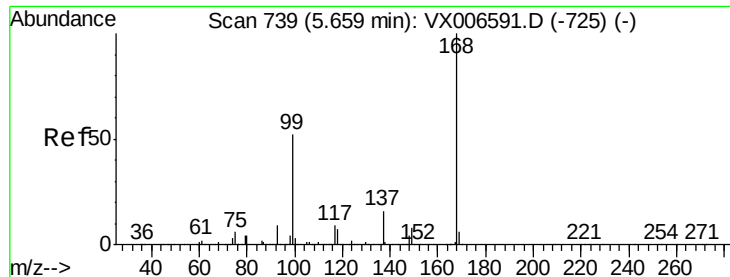
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006845.D

Acq: 27 Dec 2018 16:29

Instrument :

MSVOA_X

ClientSampled :

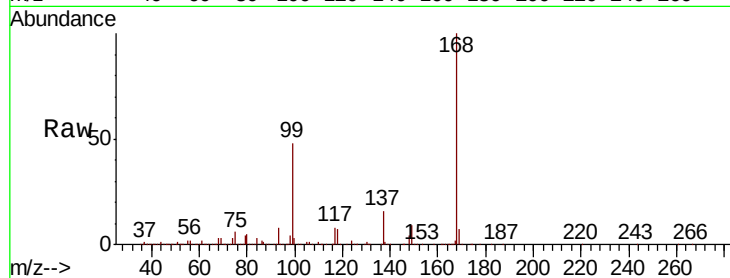
10827

Tot Ion:168 Resp: 674792

Ion Ratio Lower Upper

168 100

99 48.2 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

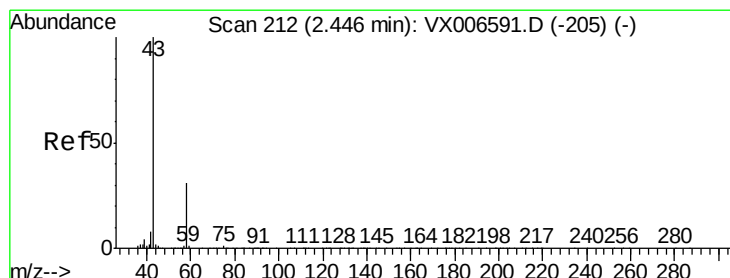
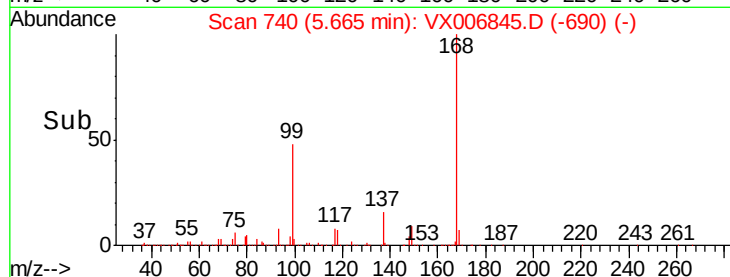
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 138.965 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006845.D

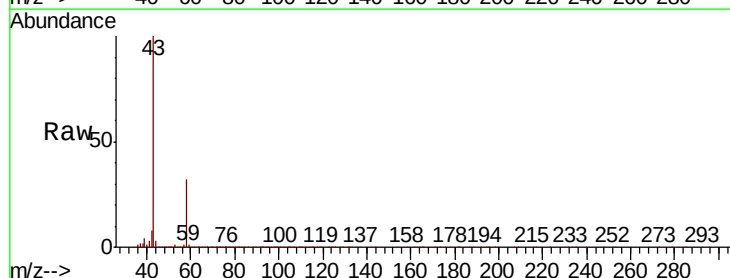
Acq: 27 Dec 2018 16:29

Tgt Ion: 43 Resp: 464318

Ion Ratio Lower Upper

43 100

58 31.7 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

300000

250000

200000

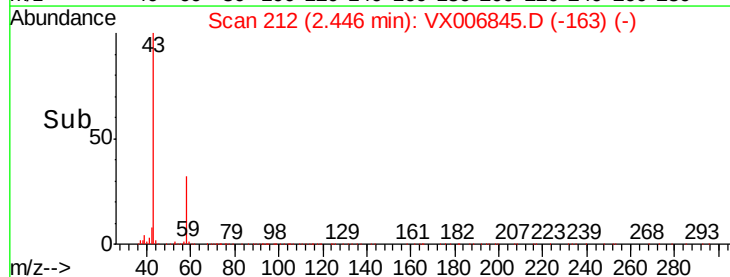
150000

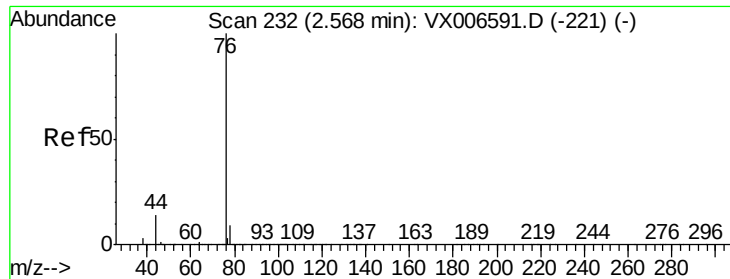
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 0.985 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006845.D

Acq: 27 Dec 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

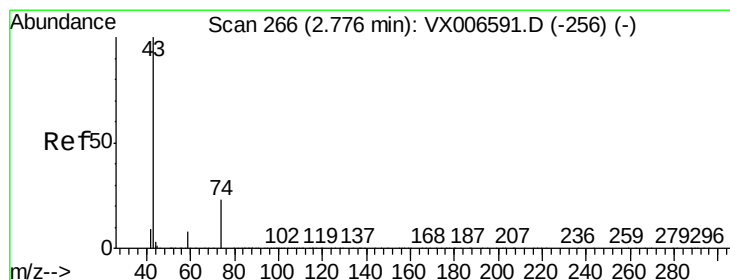
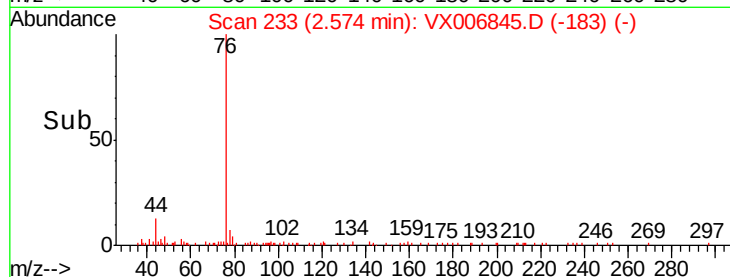
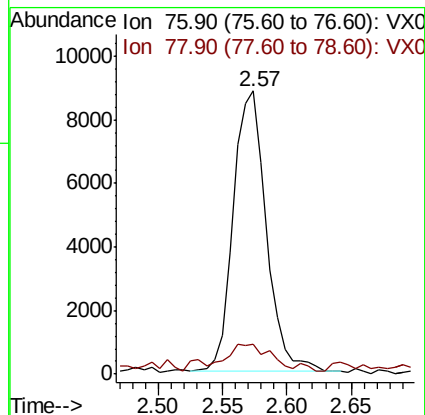
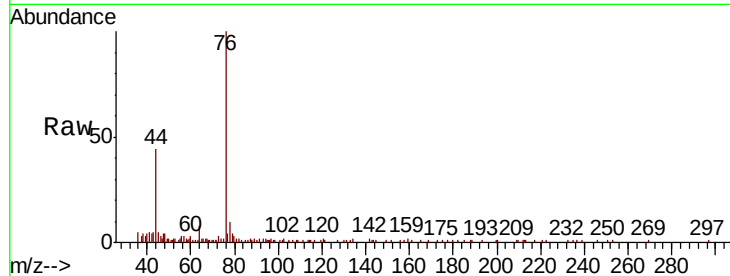
10827

Tot Ion: 76 Resp: 15717

Ion Ratio Lower Upper

76 100

78 6.0 7.0 10.6#



#18

Methyl Acetate

Concen: 2.418 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006845.D

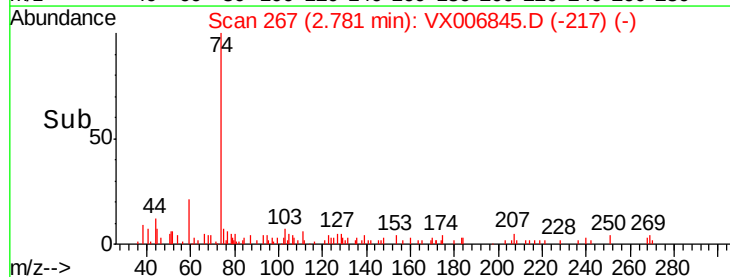
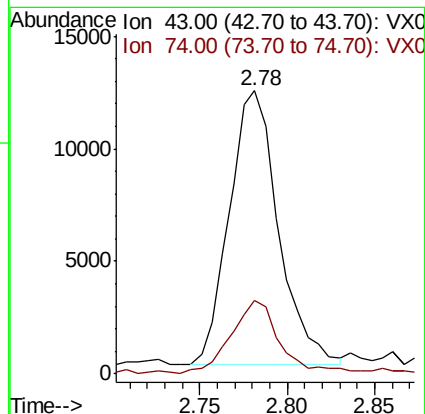
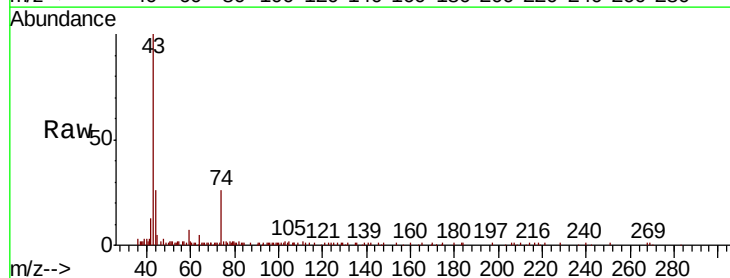
Acq: 27 Dec 2018 16:29

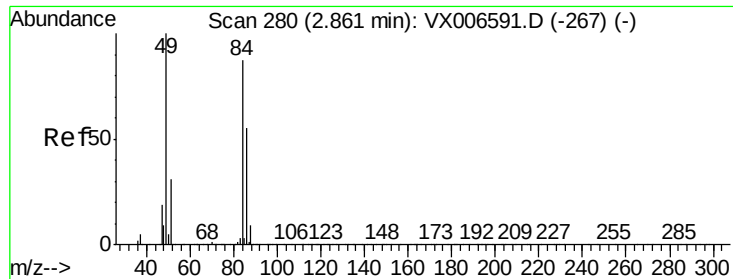
Tgt Ion: 43 Resp: 23754

Ion Ratio Lower Upper

43 100

74 27.0 18.6 28.0

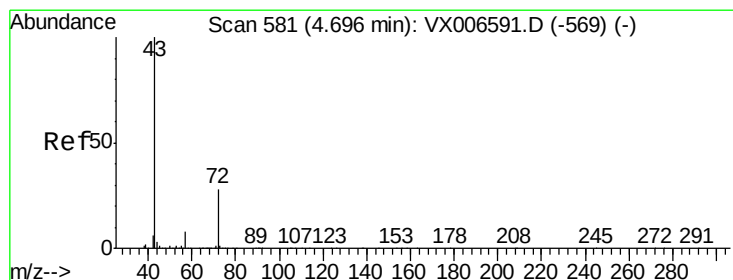
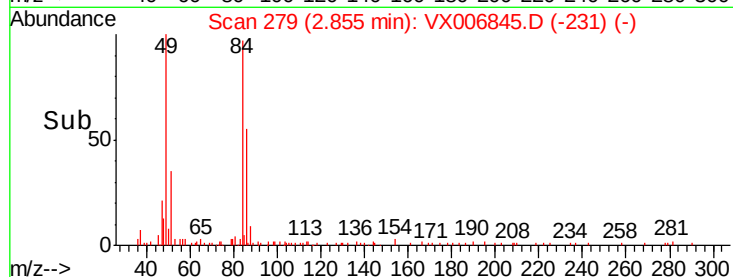
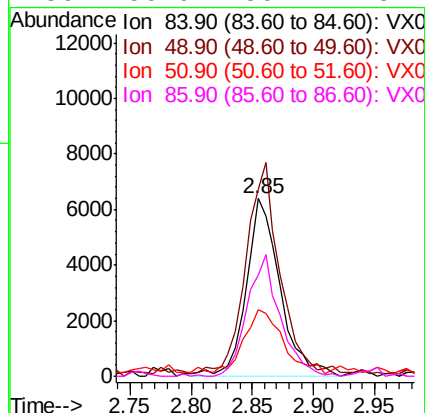
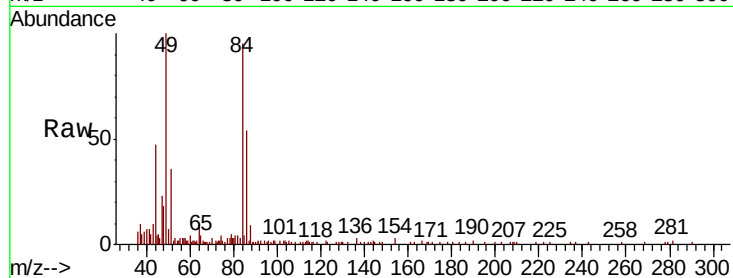




#20
Methylene Chloride
Concen: 1.777 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006845.D
Acq: 27 Dec 2018 16:29

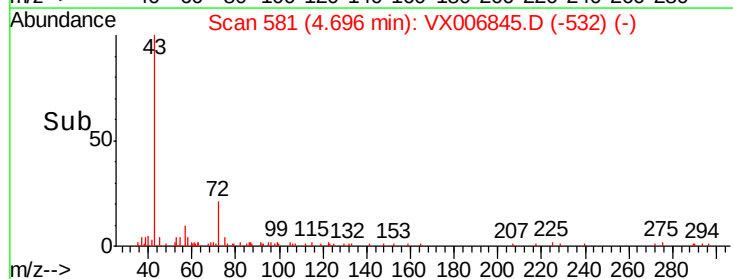
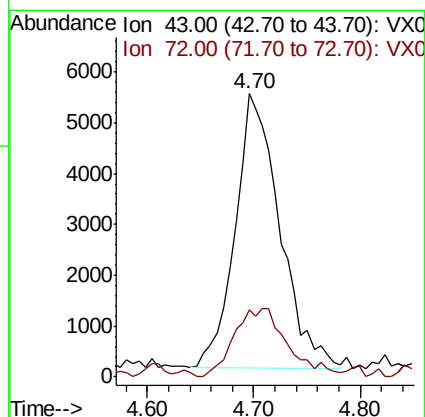
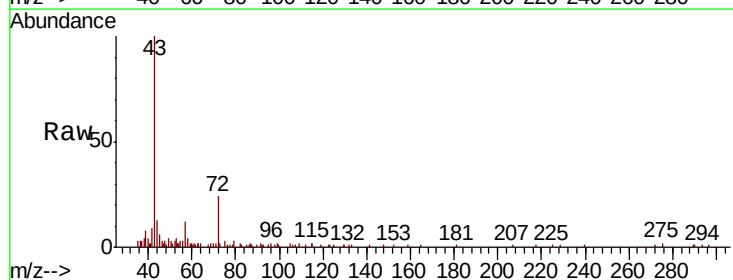
Instrument :
MSVOA_X
ClientSampleId :
10827

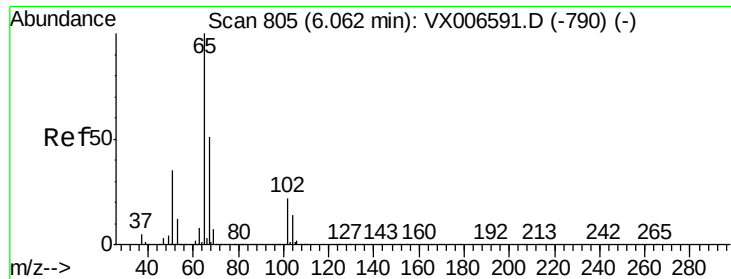
Tot Ion:	84	Resp:	12278
Ion	Ratio	Lower	Upper
84	100		
49	103.8	91.8	137.6
51	35.5	28.5	42.7
86	56.9	50.2	75.2



#25
2-Butanone
Concen: 3.357 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.00 min
Lab File: VX006845.D
Acq: 27 Dec 2018 16:29

Tgt Ion:	43	Resp:	15778
Ion	Ratio	Lower	Upper
43	100		
72	22.8	22.4	33.6

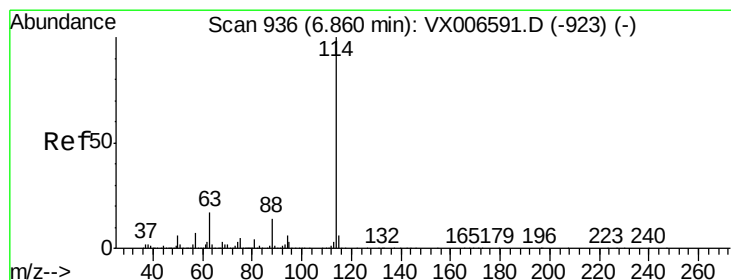
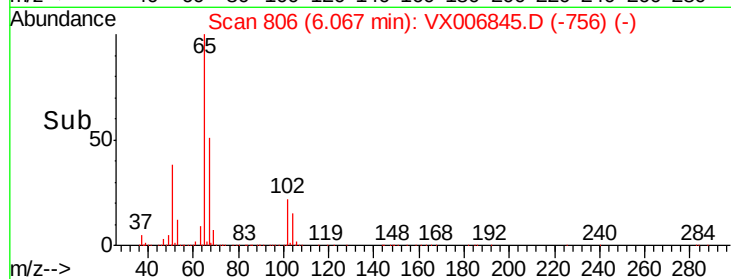
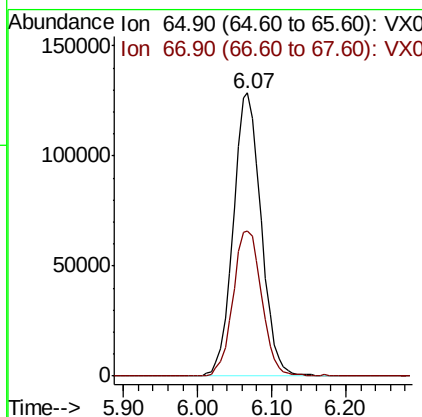
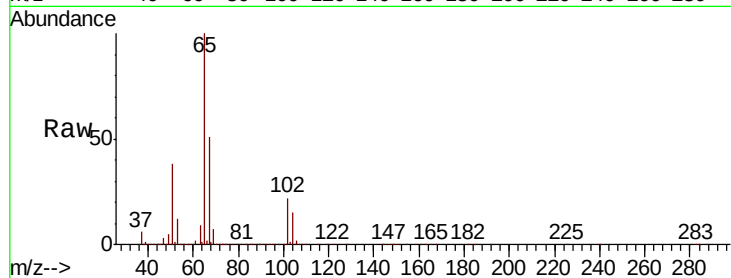




#33
 1,2-Dichloroethane-d4
 Concen: 46.474 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006845.D
 Acq: 27 Dec 2018 16:29

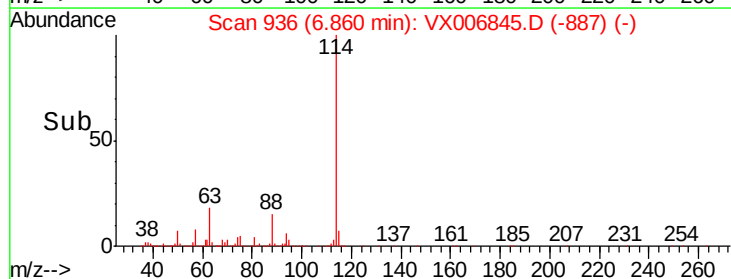
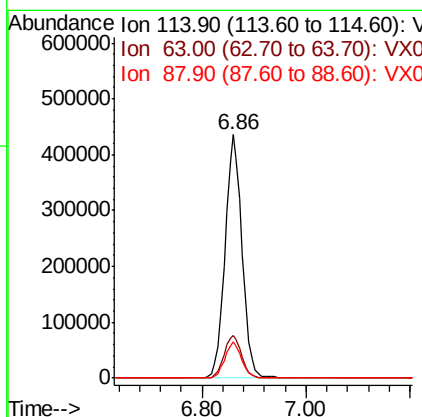
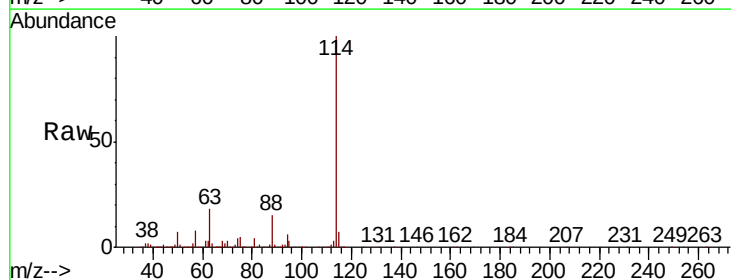
Instrument :
 MSVOA_X
 ClientSampled :
 10827

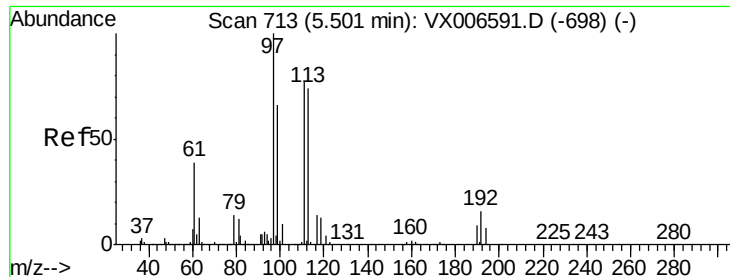
Tot Ion: 65 Resp: 337984
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006845.D
 Acq: 27 Dec 2018 16:29

Tgt Ion: 114 Resp: 1005902
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.8
 88 14.8 0.0 28.8





#35

Dibromofluoromethane

Concen: 46.622 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006845.D

Acq: 27 Dec 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

10827

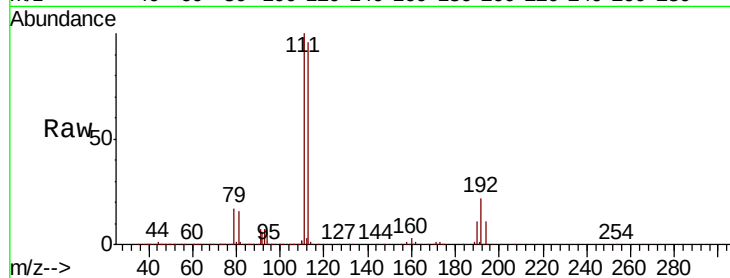
Tot Ion:113 Resp: 296571

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

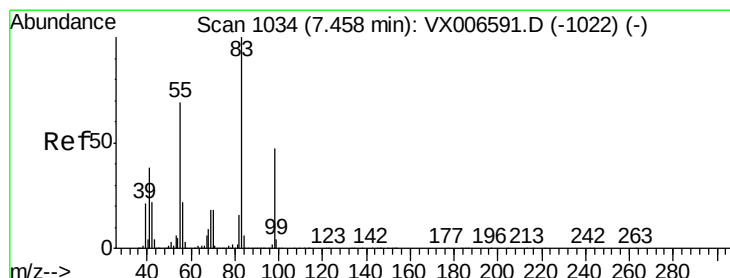
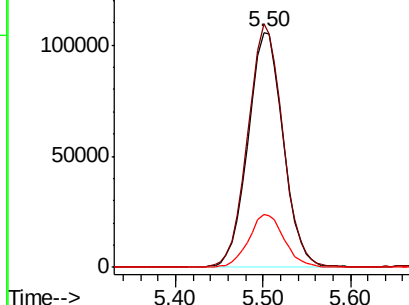
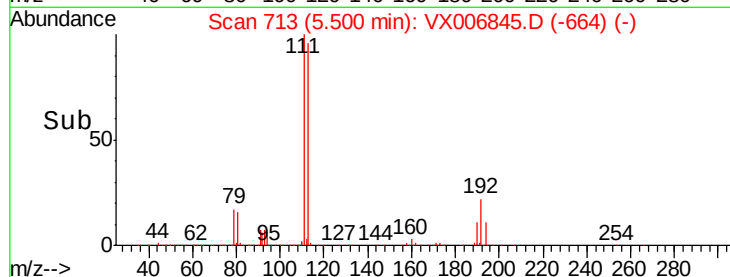
192 22.7 16.7 25.1



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

Methylcyclohexane

Concen: 0.441 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX006845.D

Acq: 27 Dec 2018 16:29

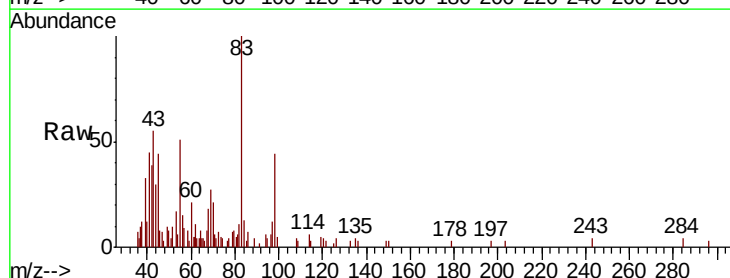
Tgt Ion: 83 Resp: 4839

Ion Ratio Lower Upper

83 100

55 43.5 54.9 82.3#

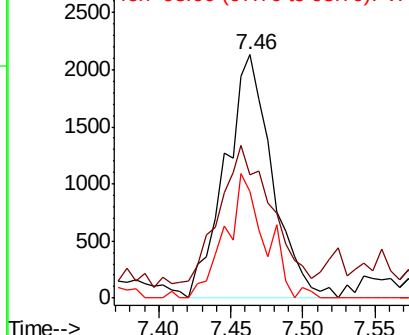
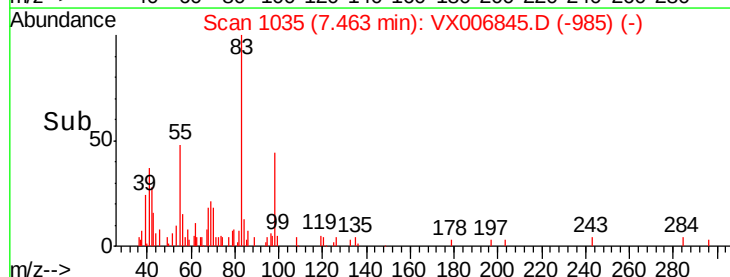
98 44.0 37.9 56.9

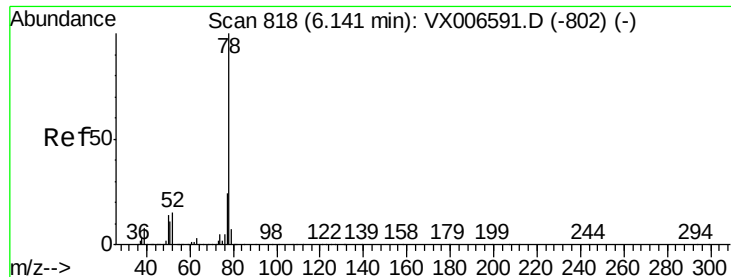


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.206 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX006845.D

Acq: 27 Dec 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

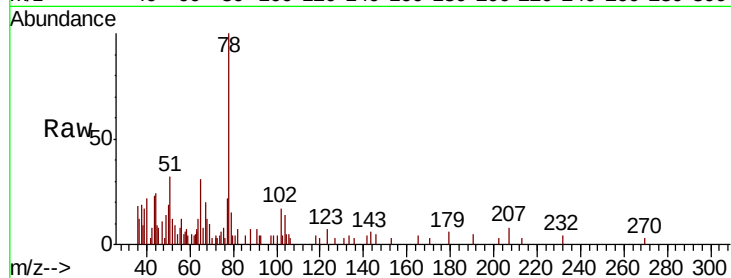
10827

Tot Ion: 78 Resp: 5216

Ion Ratio Lower Upper

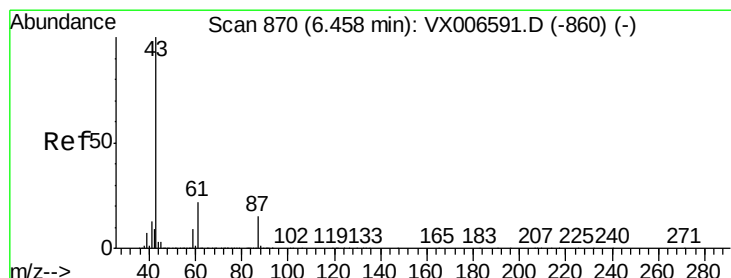
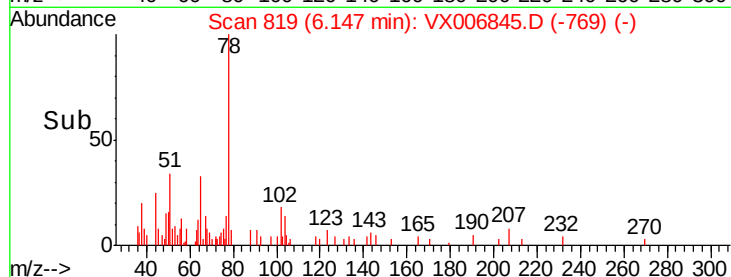
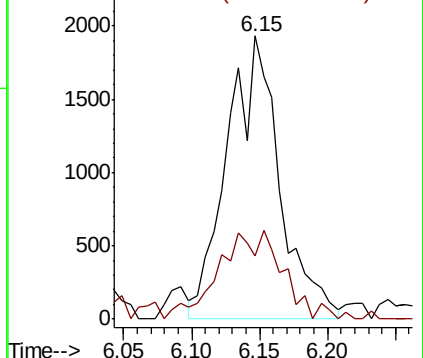
78 100

77 23.5 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#43

Isopropyl Acetate

Concen: 2.438 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006845.D

Acq: 27 Dec 2018 16:29

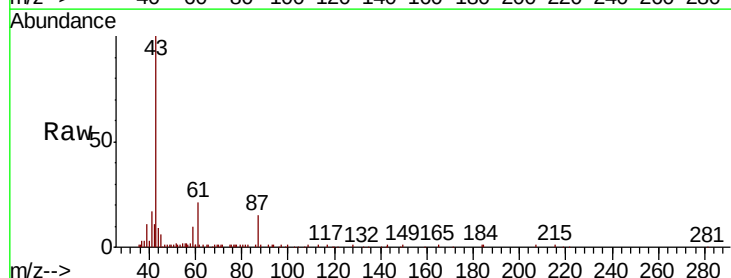
Tgt Ion: 43 Resp: 32168

Ion Ratio Lower Upper

43 100

61 22.6 16.8 25.2

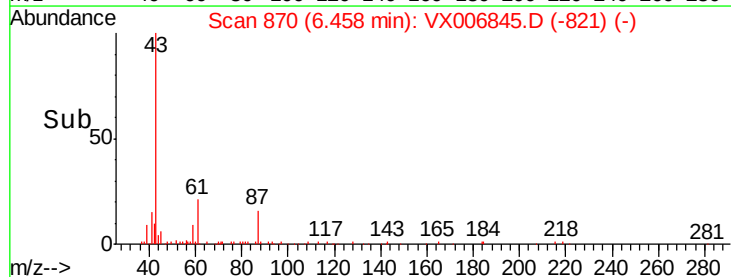
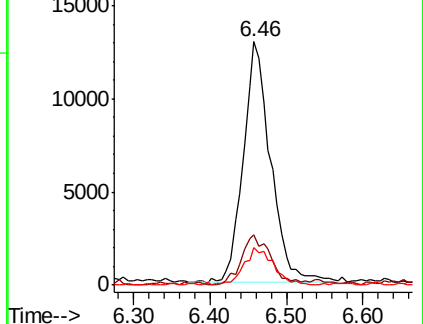
87 16.6 12.4 18.6

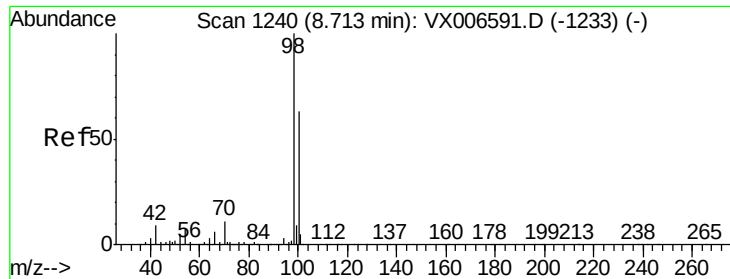


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 49.644 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006845.D

Acq: 27 Dec 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

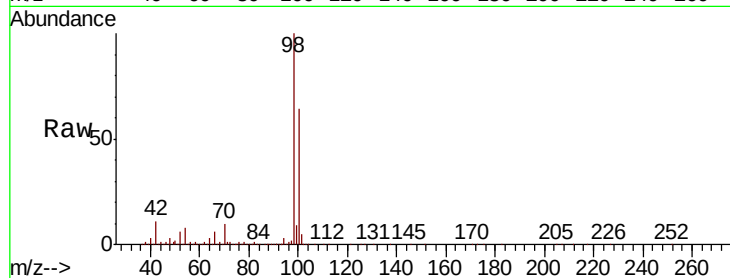
10827

Tot Ion: 98 Resp: 1190544

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

800000

600000

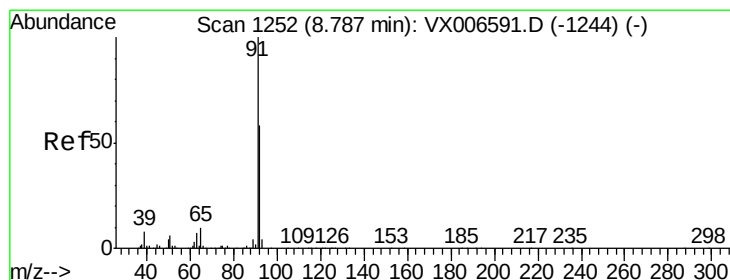
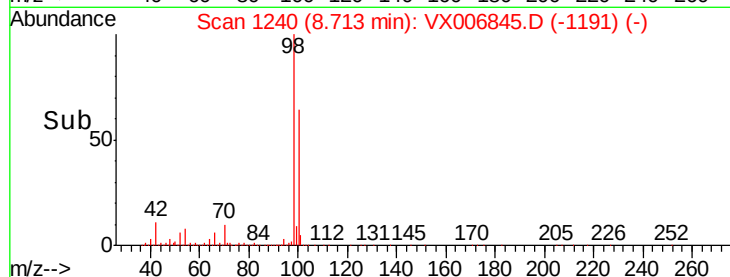
400000

200000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 30.606 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006845.D

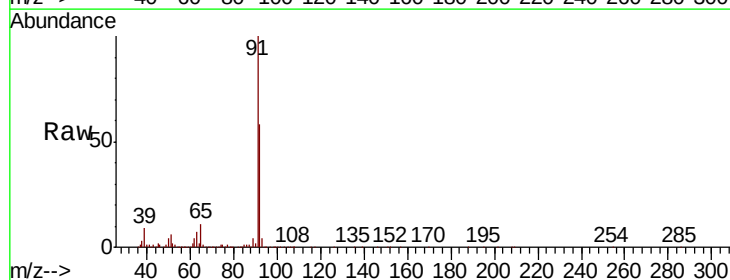
Acq: 27 Dec 2018 16:29

Tgt Ion: 92 Resp: 500721

Ion Ratio Lower Upper

92 100

91 172.4 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

600000

500000

400000

300000

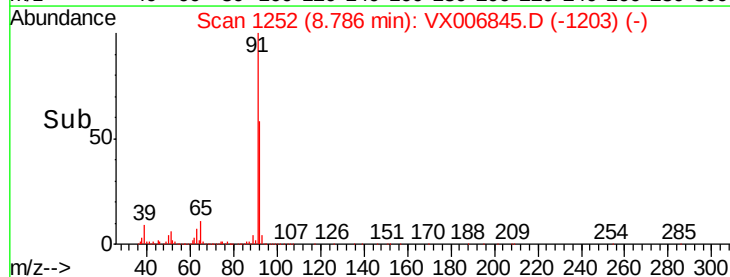
200000

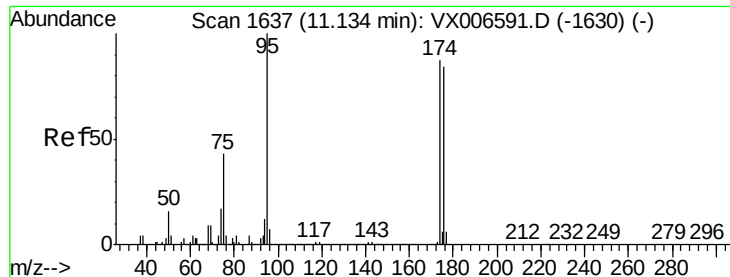
100000

0

8.70 8.75 8.80 8.85 8.90

Time-->

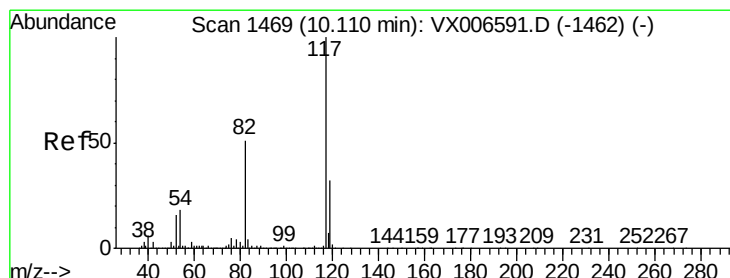
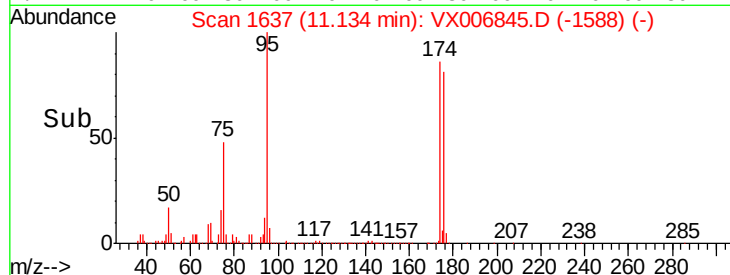
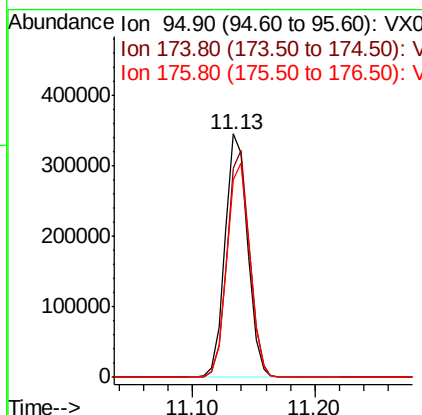
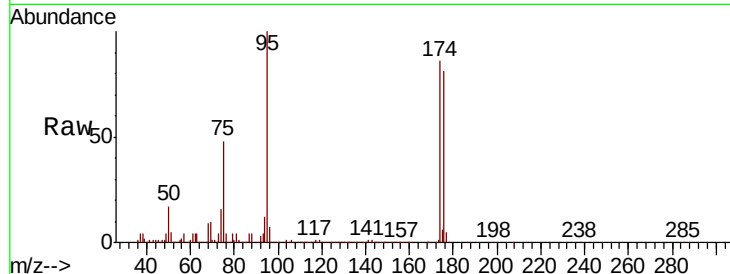




#62
4-Bromofluorobenzene
Concen: 50.058 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006845.D
Acq: 27 Dec 2018 16:29

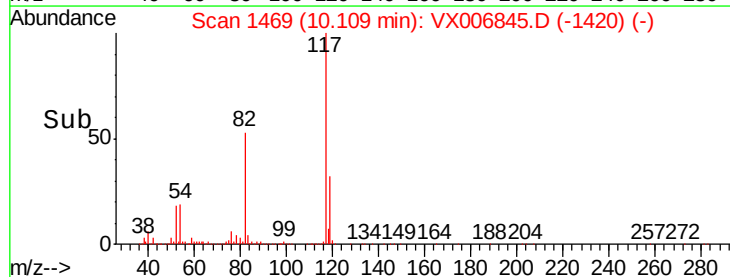
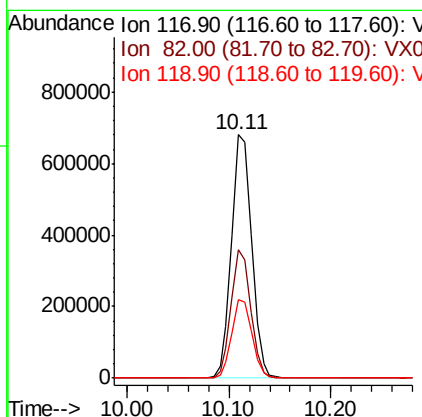
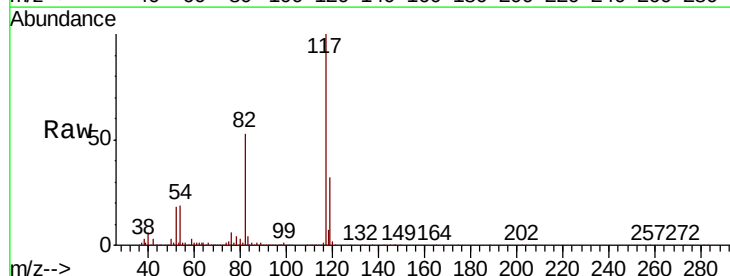
Instrument :
MSVOA_X
ClientSampleId :
10827

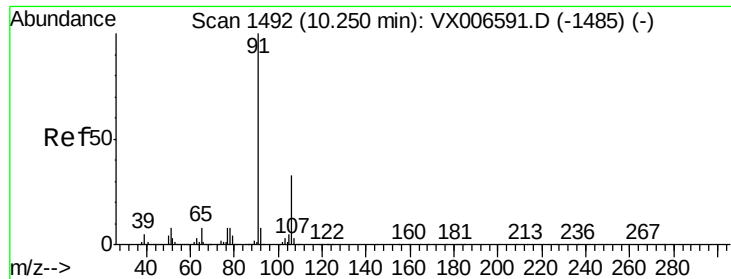
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	182.2
176	89.2	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006845.D
Acq: 27 Dec 2018 16:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.0	61.6
119	32.4	25.4	38.0





#67

Ethyl Benzene

Concen: 7.091 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006845.D

Acq: 27 Dec 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

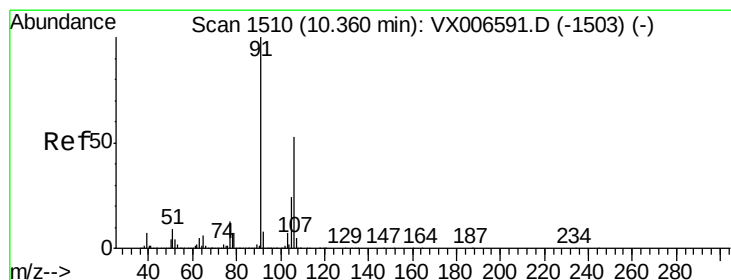
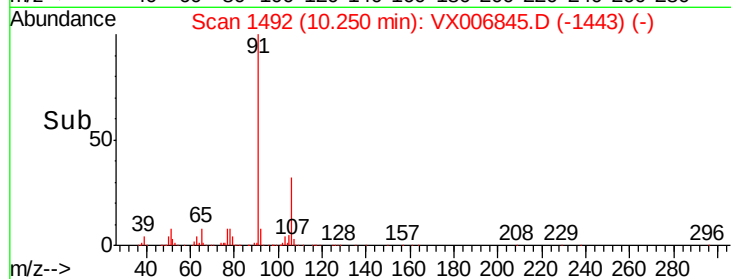
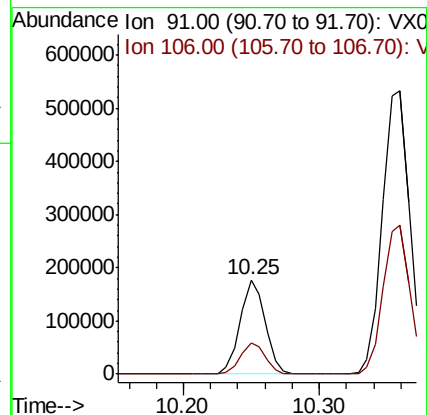
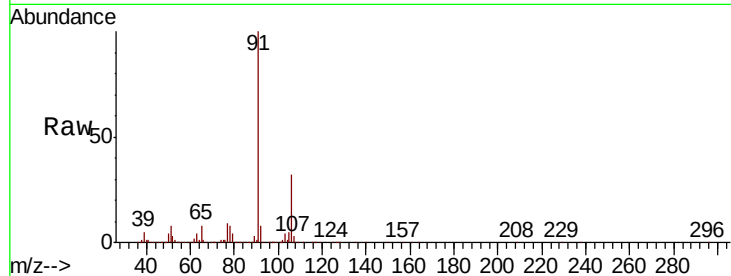
10827

Tot Ion: 91 Resp: 227262

Ion Ratio Lower Upper

91 100

106 32.4 26.4 39.6



#68

m/p-Xylenes

Concen: 30.409 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006845.D

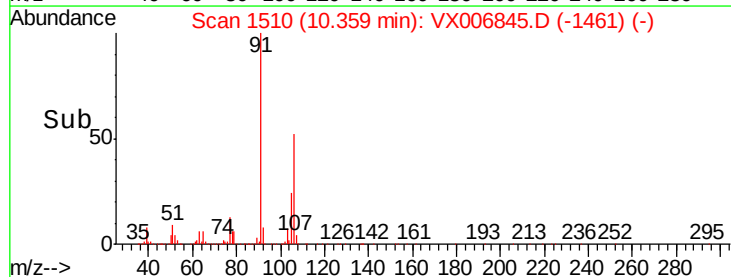
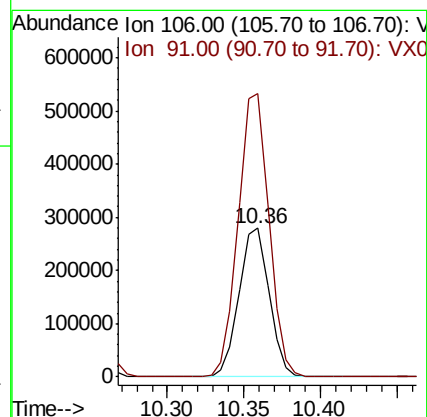
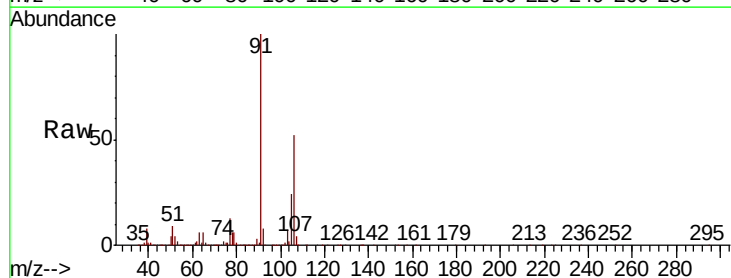
Acq: 27 Dec 2018 16:29

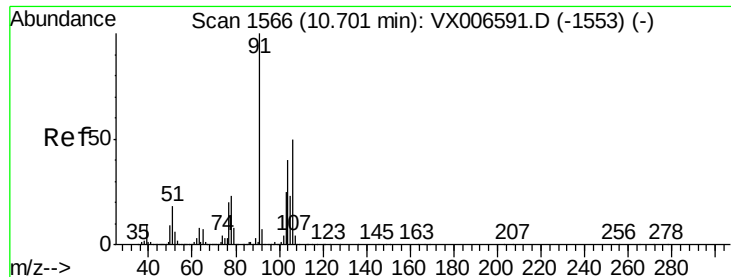
Tgt Ion: 106 Resp: 384579

Ion Ratio Lower Upper

106 100

91 193.3 155.8 233.6

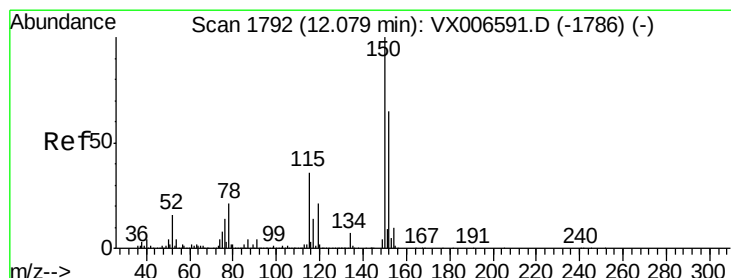
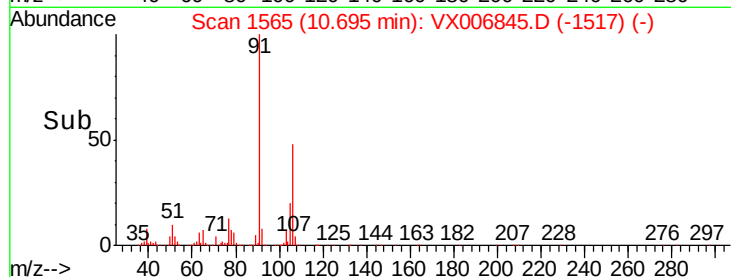
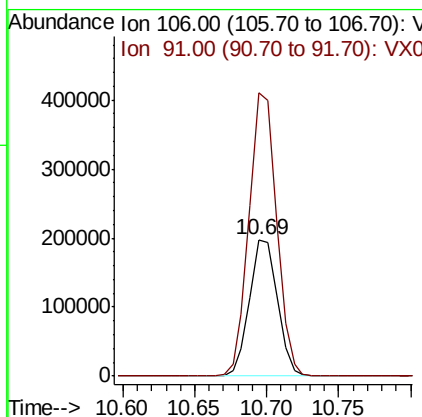
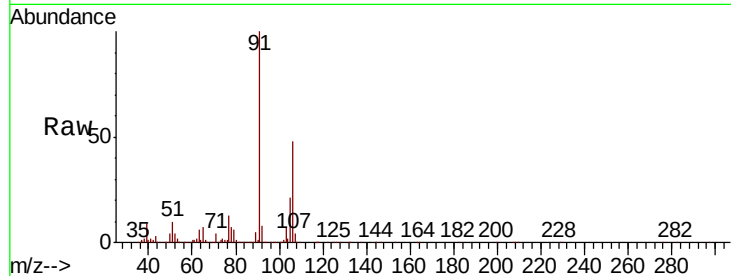




#69
o-Xylene
Concen: 21.265 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006845.D
Acq: 27 Dec 2018 16:29

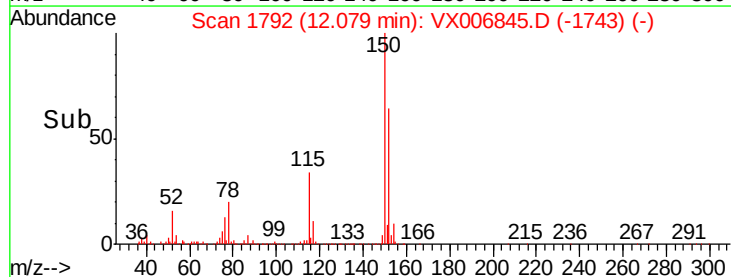
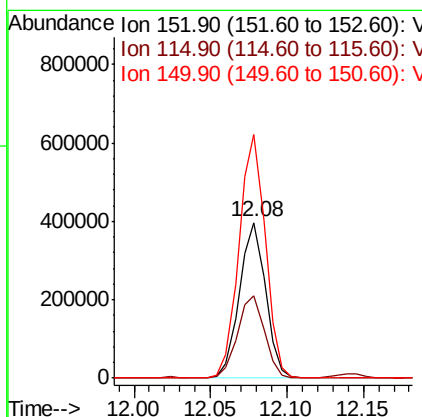
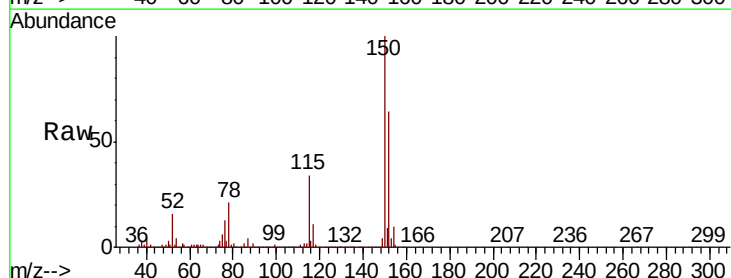
Instrument :
MSVOA_X
ClientSampleId :
10827

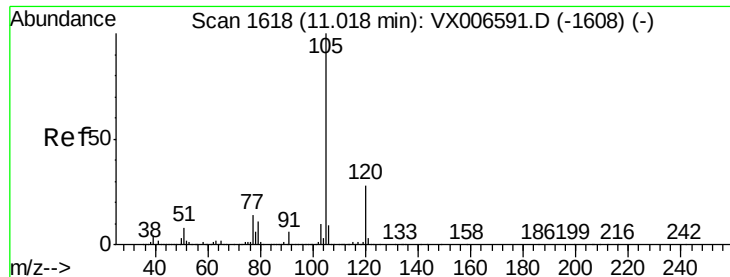
Tot Ion:106 Resp: 265562
Ion Ratio Lower Upper
106 100
91 205.7 101.3 303.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006845.D
Acq: 27 Dec 2018 16:29

Tgt Ion:152 Resp: 471586
Ion Ratio Lower Upper
152 100
115 54.2 39.1 117.2
150 157.3 0.0 344.8





#73

Isopropylbenzene

Concen: 1.506 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006845.D

Acq: 27 Dec 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

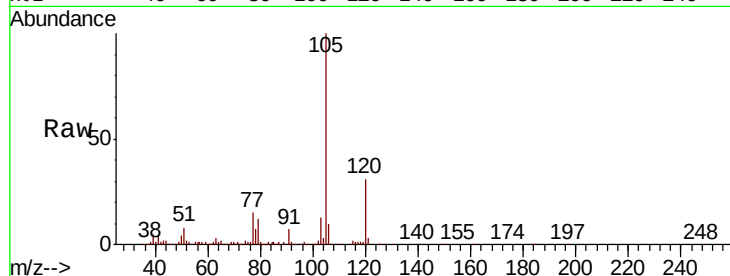
10827

Tot Ion:105 Resp: 48576

Ion Ratio Lower Upper

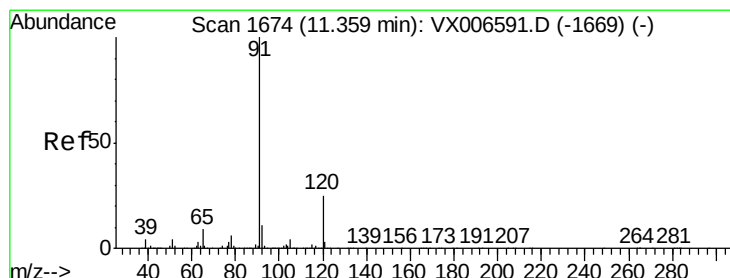
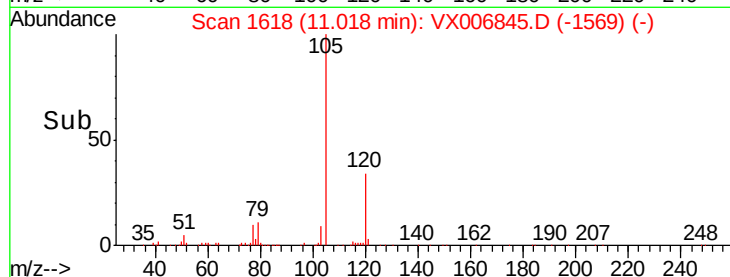
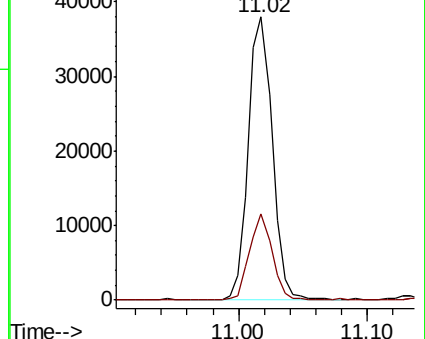
105 100

120 29.0 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 3.375 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006845.D

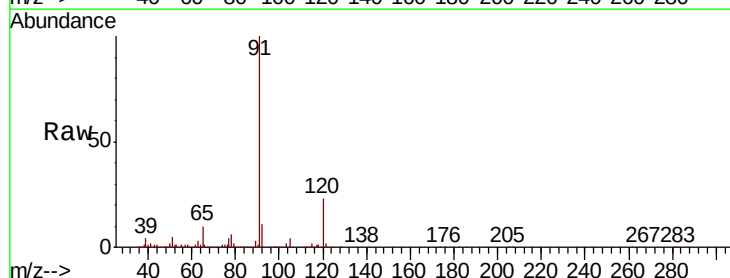
Acq: 27 Dec 2018 16:29

Tgt Ion: 91 Resp: 119893

Ion Ratio Lower Upper

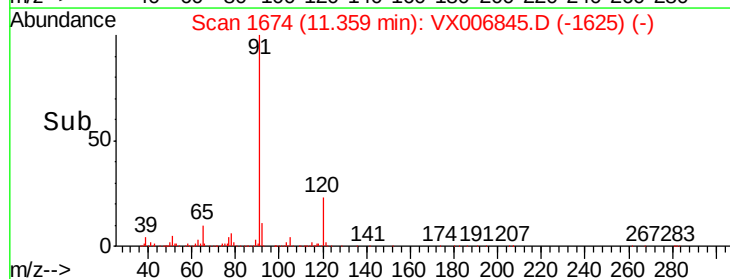
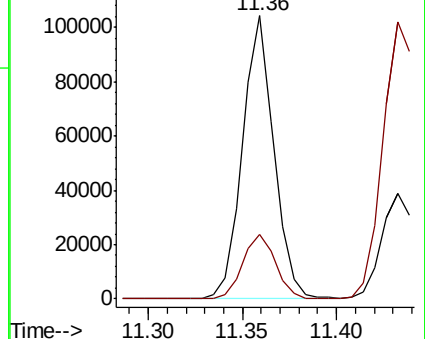
91 100

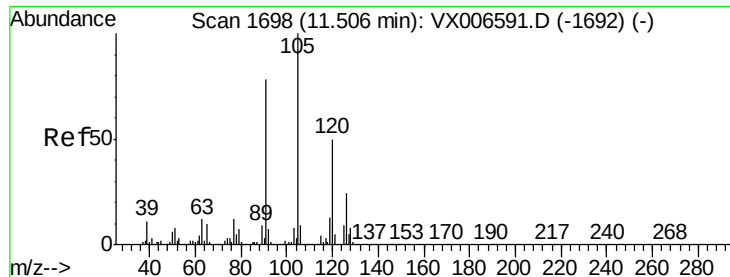
120 24.1 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

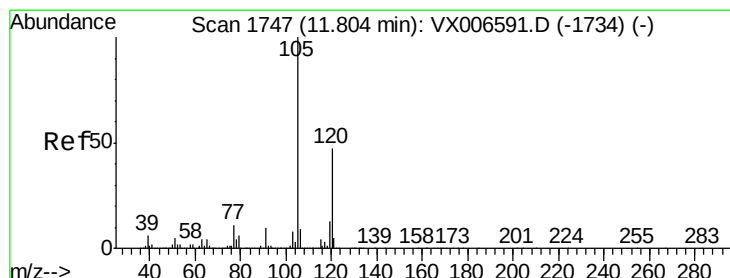
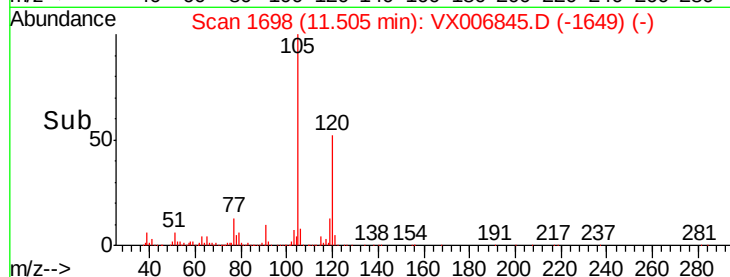
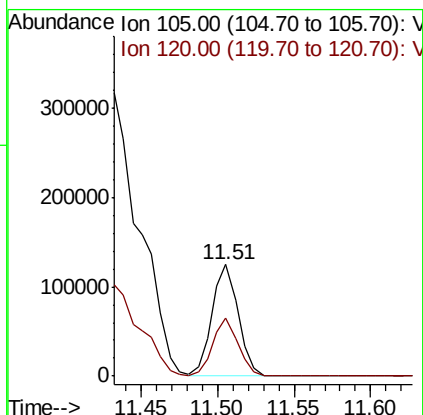
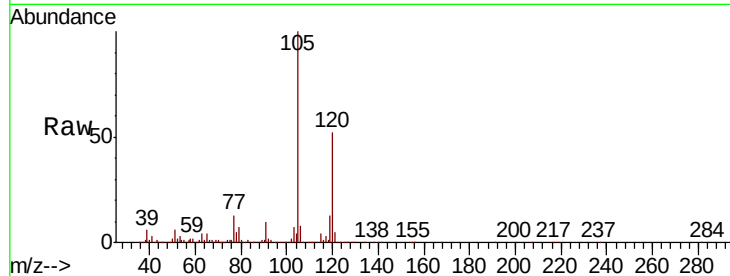




#80
 1,3,5-Trimethylbenzene
 Concen: 5.631 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006845.D
 Acq: 27 Dec 2018 16:29

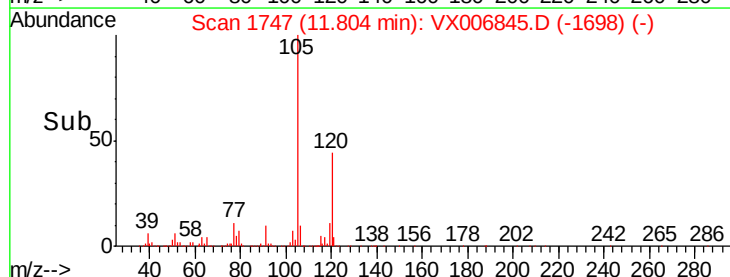
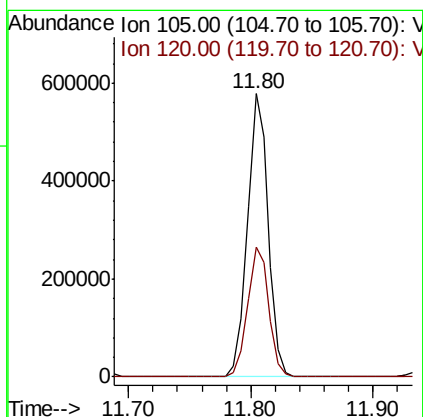
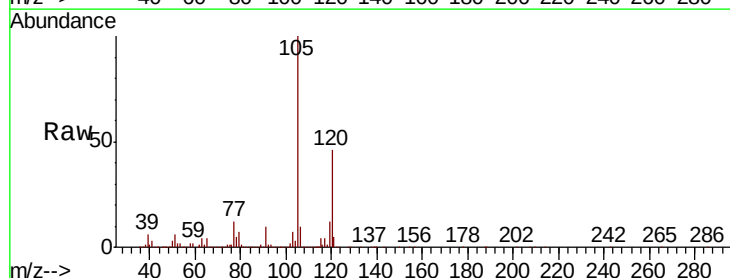
Instrument :
 MSVOA_X
 ClientSampled :
 10827

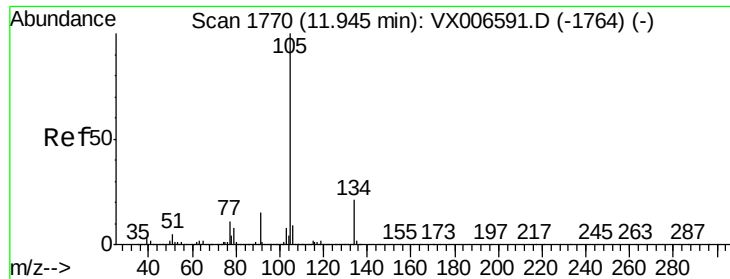
Tot Ion:105 Resp: 149624
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.1 75.3



#84
 1,2,4-Trimethylbenzene
 Concen: 24.291 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX006845.D
 Acq: 27 Dec 2018 16:29

Tgt Ion:105 Resp: 678944
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.2 69.6

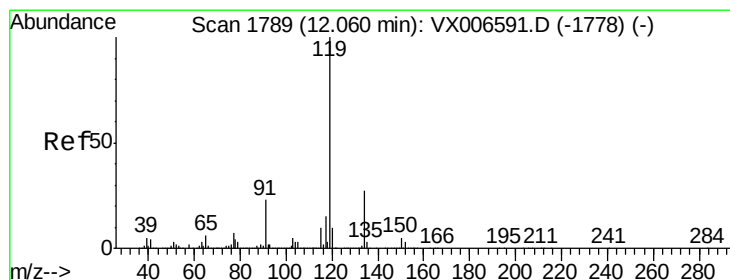
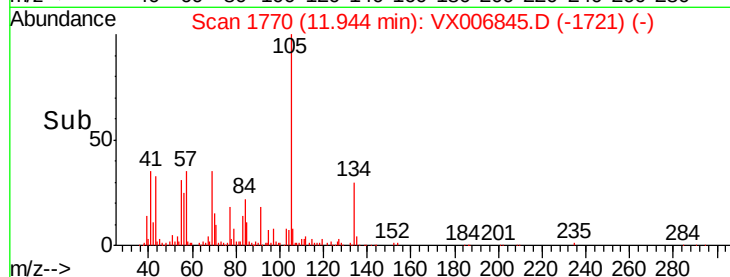
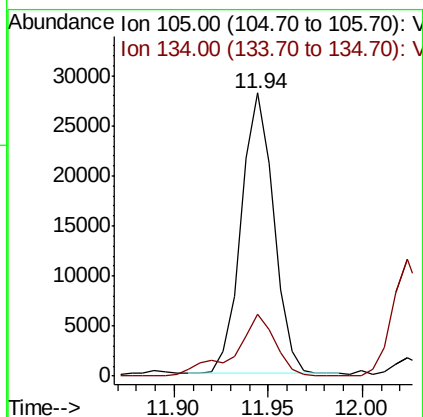
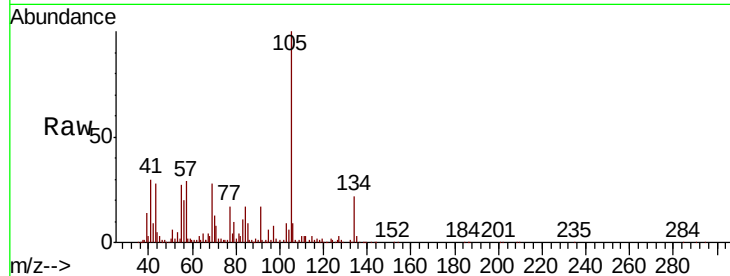




#85
 sec-Butylbenzene
 Concen: 1.025 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006845.D
 Acq: 27 Dec 2018 16:29

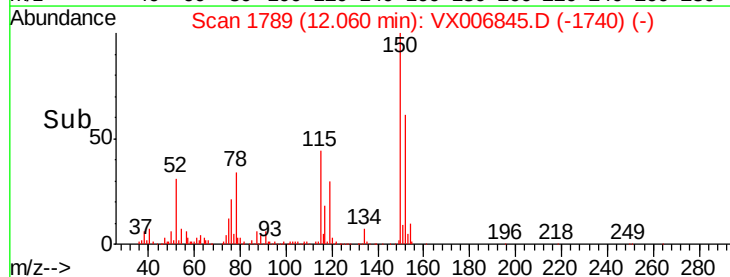
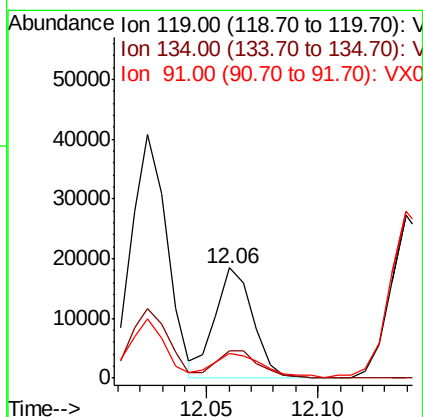
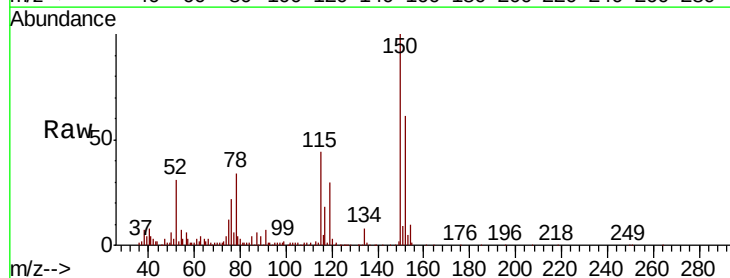
Instrument :
 MSVOA_X
 ClientSampleId :
 10827

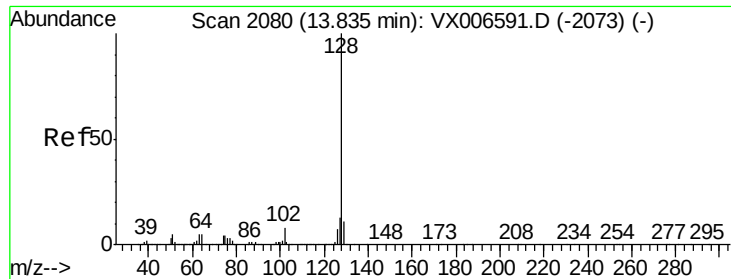
Tot Ion:105 Resp: 33423
 Ion Ratio Lower Upper
 105 100
 134 27.7 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 0.750 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX006845.D
 Acq: 27 Dec 2018 16:29

Tgt Ion:119 Resp: 21497
 Ion Ratio Lower Upper
 119 100
 134 27.7 14.0 41.9
 91 28.6 11.3 33.9





#95
Naphthalene
Concen: 13.542 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006845.D
Acq: 27 Dec 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
10827

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	11.6	8.6	13.0

