

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010419\
 Data File : VX006920.D
 Acq On : 04 Jan 2019 18:18
 Operator : JC/MD
 Sample : K1057-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0651

Quant Time: Jan 04 23:28:15 2019
 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	642692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	978595	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	899556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	445904	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	335686	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
35) Dibromofluoromethane	5.50	113	300662	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	8.71	98	1158384	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.13	95	413113	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	

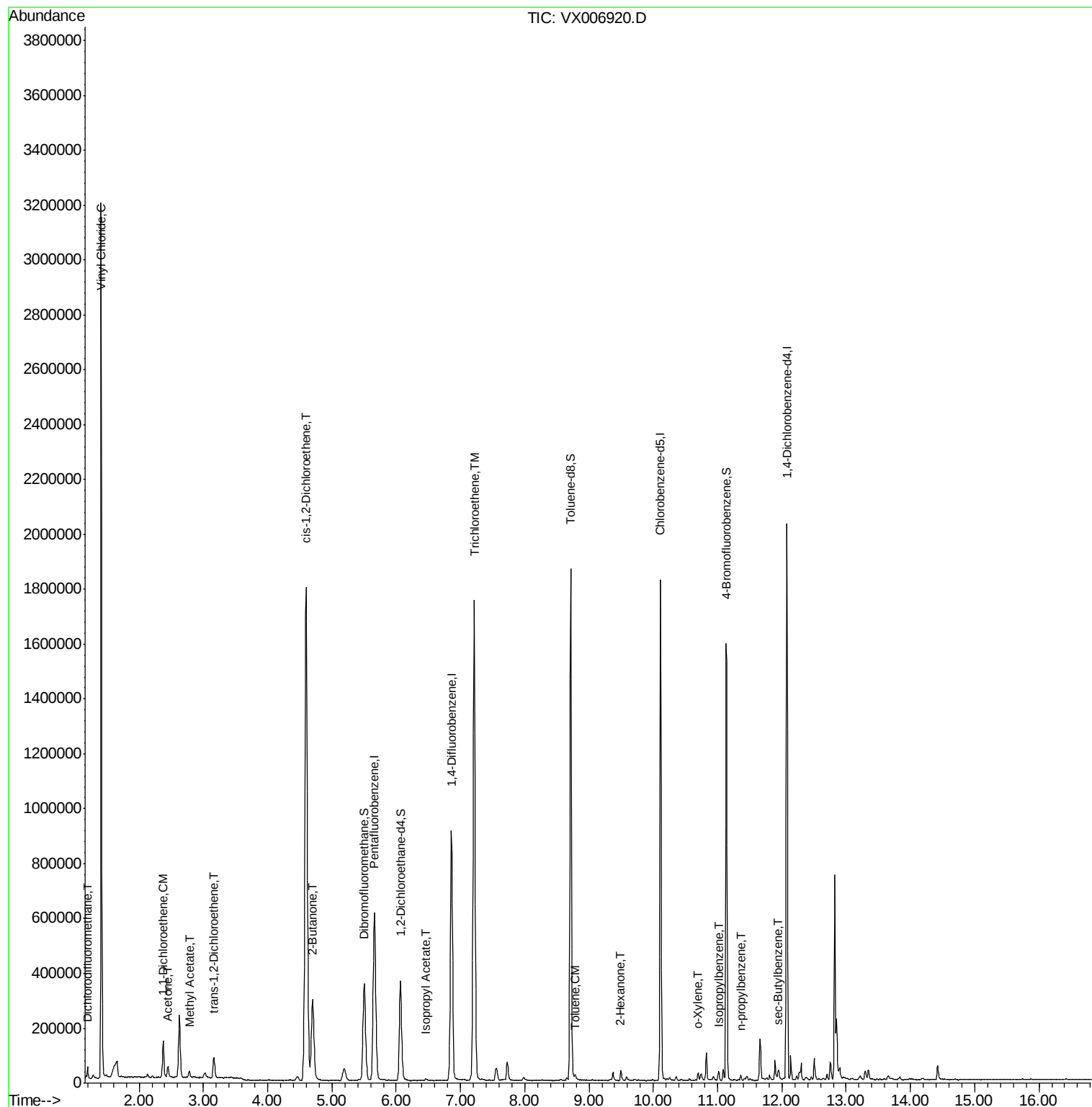
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	26521	4.511	ug/l	99
4) Vinyl Chloride	1.41	62	1950608	294.851	ug/l	99
12) 1,1-Dichloroethene	2.37	96	46308	8.064	ug/l	93
16) Acetone	2.45	43	46513	14.616	ug/l	92
18) Methyl Acetate	2.78	43	29256	3.126	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	31558	4.960	ug/l	94
25) 2-Butanone	4.70	43	529395	118.265	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	1205195	171.686	ug/l	92
43) Isopropyl Acetate	6.46	43	7843	0.611	ug/l #	90
44) Trichloroethene	7.21	130	695844	93.318	ug/l	99
52) Toluene	8.79	92	5733	0.360	ug/l	99
59) 2-Hexanone	9.49	43	19997	3.200	ug/l	97
69) o-Xylene	10.70	106	6547	0.540	ug/l	92
73) Isopropylbenzene	11.02	105	17261	0.566	ug/l	99
78) n-propylbenzene	11.36	91	9368	0.279	ug/l	93
85) sec-Butylbenzene	11.94	105	14904	0.483	ug/l	84

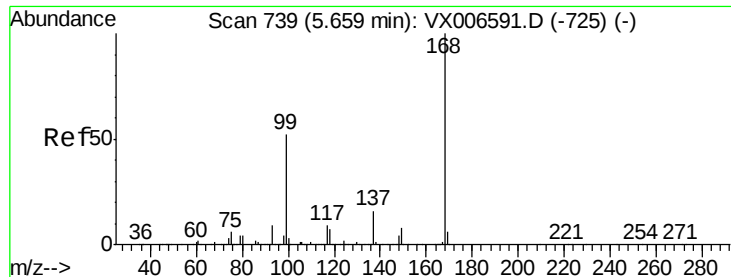
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 19 15:20:58 2018
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: VX006920.D

Acq: 04 Jan 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

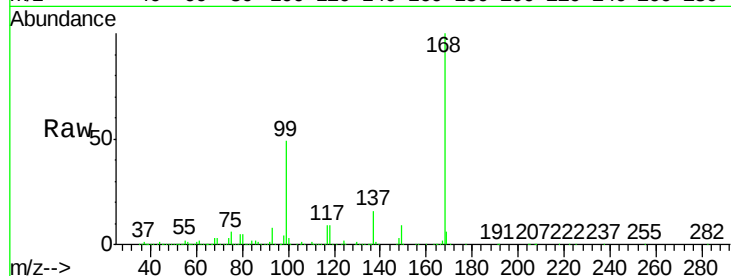
S32-0651

Tot Ion:168 Resp: 642692

Ion Ratio Lower Upper

168 100

99 49.0 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

200000

150000

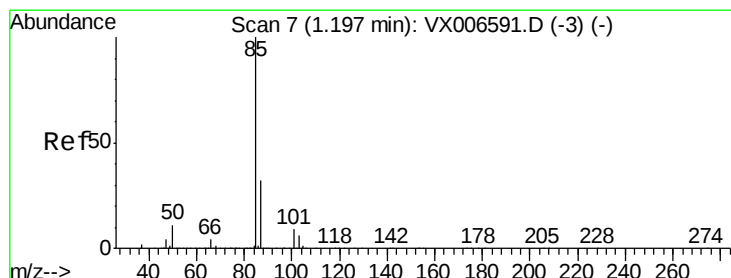
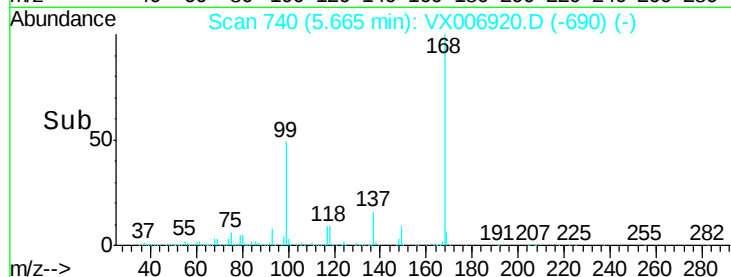
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 4.511 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006920.D

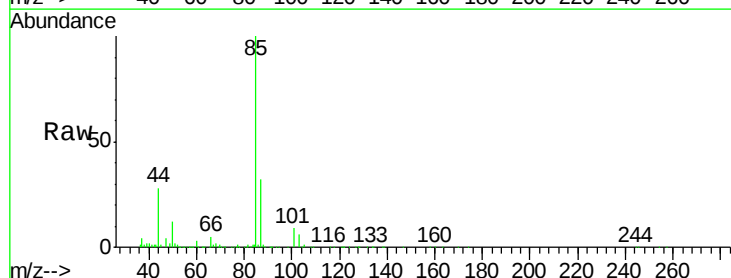
Acq: 04 Jan 2019 18:18

Tgt Ion: 85 Resp: 26521

Ion Ratio Lower Upper

85 100

87 31.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

15000

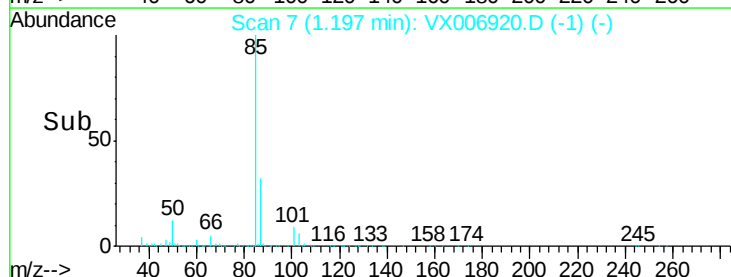
10000

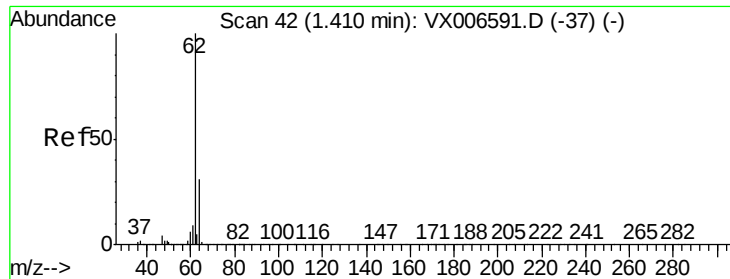
5000

0

Time-->

1.15 1.20 1.25 1.30





#4

Vinyl Chloride

Concen: 294.851 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006920.D

Acq: 04 Jan 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

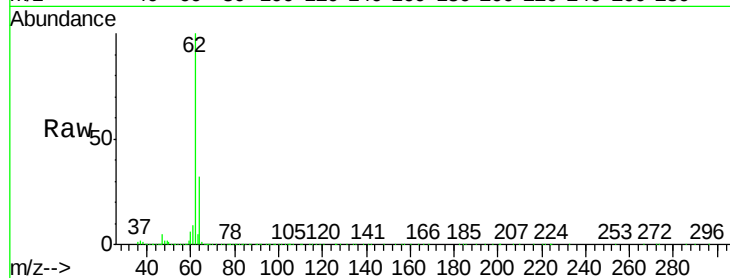
S32-0651

Tot Ion: 62 Resp: 1950608

Ion Ratio Lower Upper

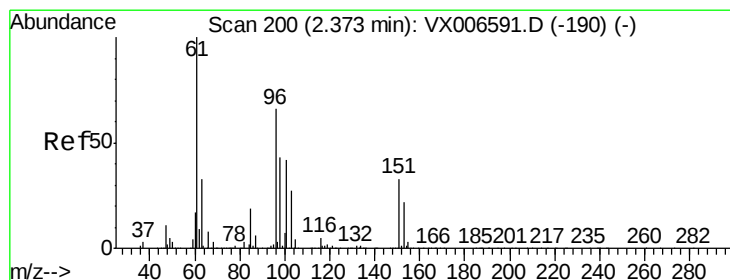
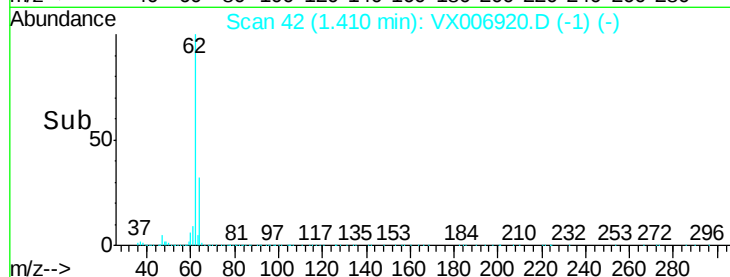
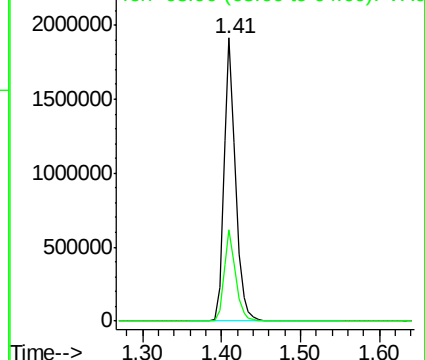
62 100

64 32.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#12

1,1-Dichloroethene

Concen: 8.064 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX006920.D

Acq: 04 Jan 2019 18:18

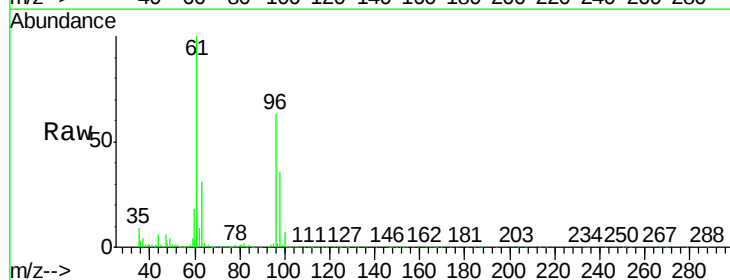
Tgt Ion: 96 Resp: 46308

Ion Ratio Lower Upper

96 100

61 158.2 121.4 182.2

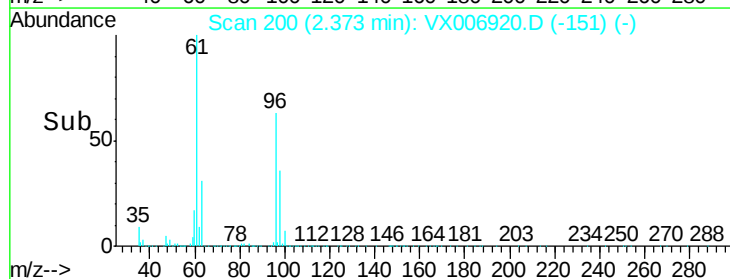
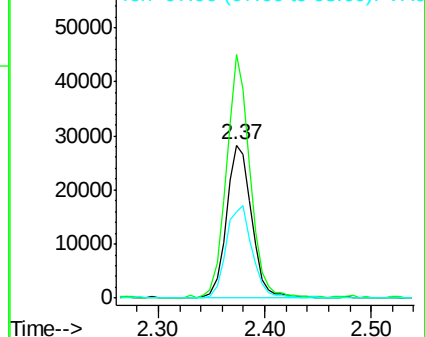
98 56.4 51.9 77.9

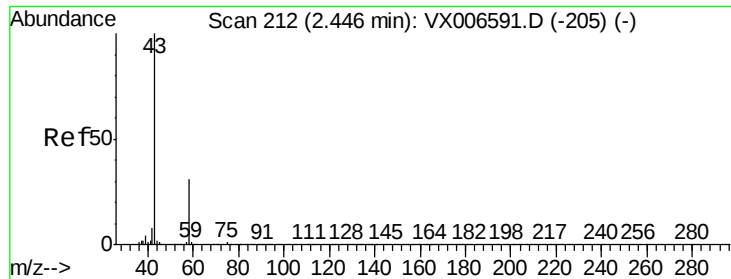


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

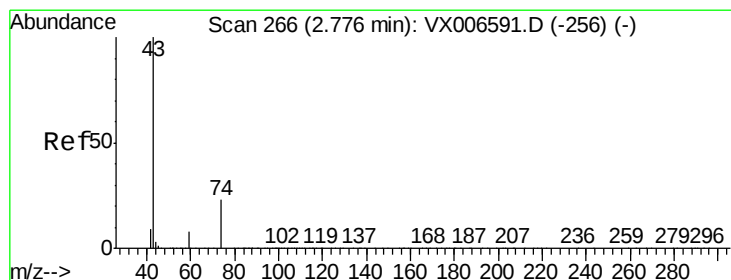
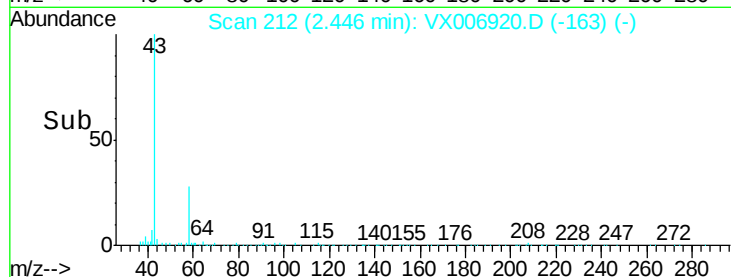
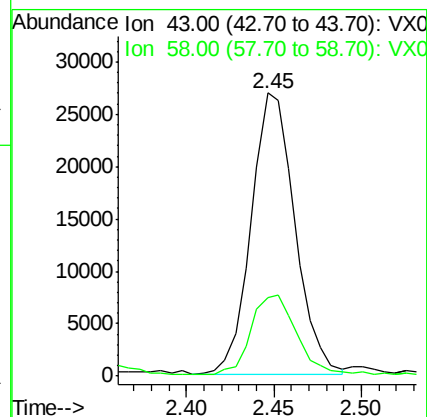
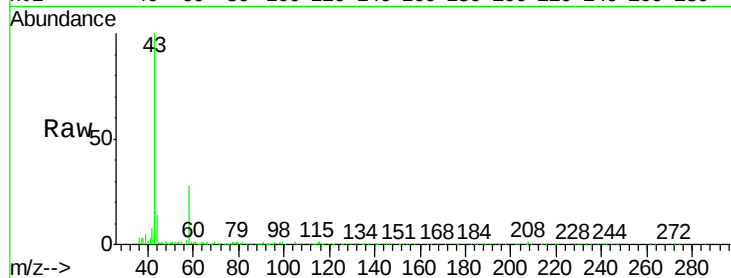




#16
Acetone
Concen: 14.616 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006920.D
Acq: 04 Jan 2019 18:18

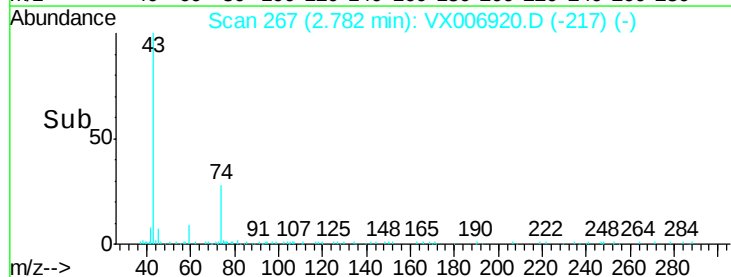
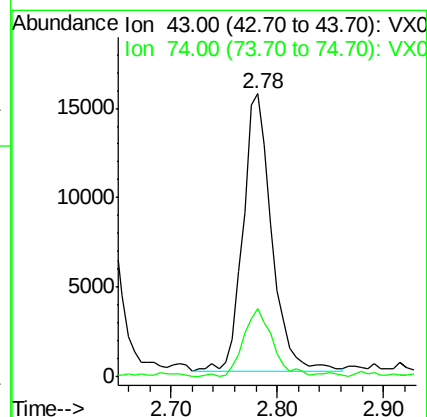
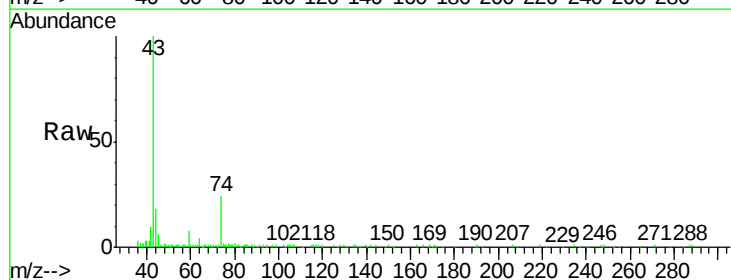
Instrument :
MSVOA_X
ClientSampleId :
S32-0651

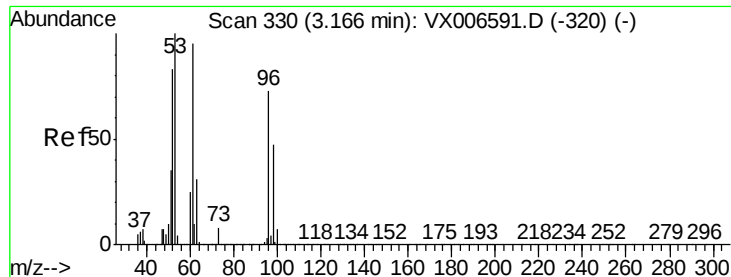
Tot Ion: 43 Resp: 46513
Ion Ratio Lower Upper
43 100
58 27.1 25.0 37.6



#18
Methyl Acetate
Concen: 3.126 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006920.D
Acq: 04 Jan 2019 18:18

Tgt Ion: 43 Resp: 29256
Ion Ratio Lower Upper
43 100
74 25.8 18.6 28.0





#21

trans-1,2-Dichloroethene

Concen: 4.960 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006920.D

Acq: 04 Jan 2019 18:18

Instrument :

MSVOA_X

ClientSampled :

S32-0651

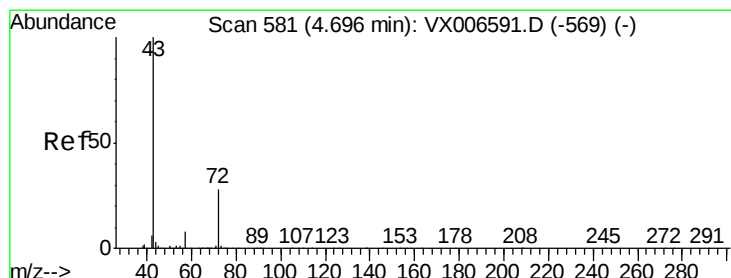
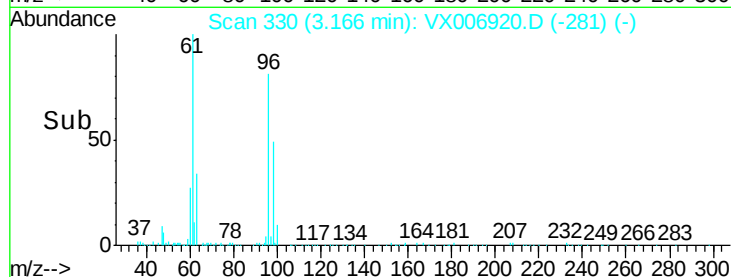
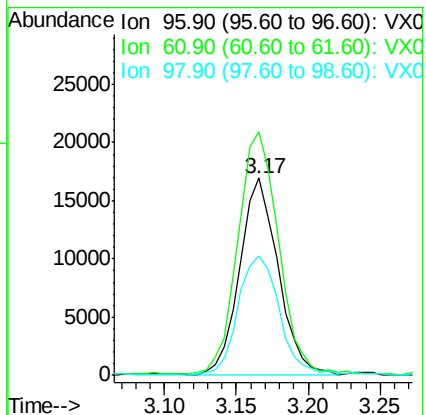
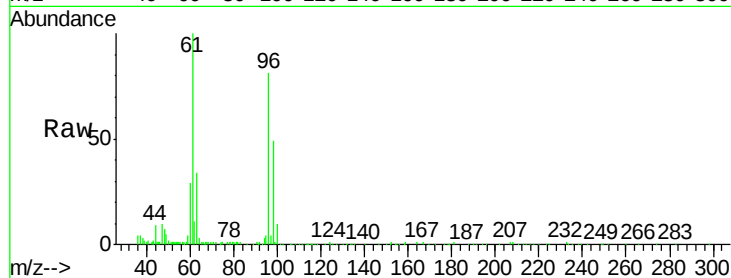
Tot Ion: 96 Resp: 31558

Ion Ratio Lower Upper

96 100

61 122.3 103.7 155.5

98 60.7 51.0 76.6



#25

2-Butanone

Concen: 118.265 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006920.D

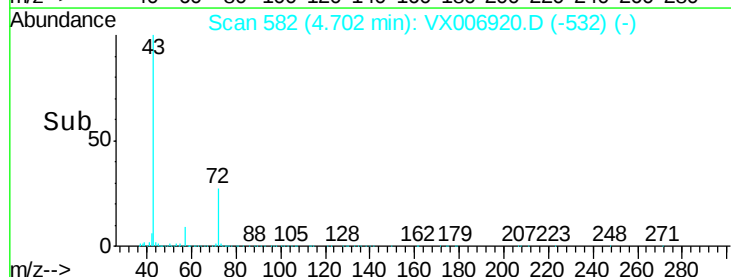
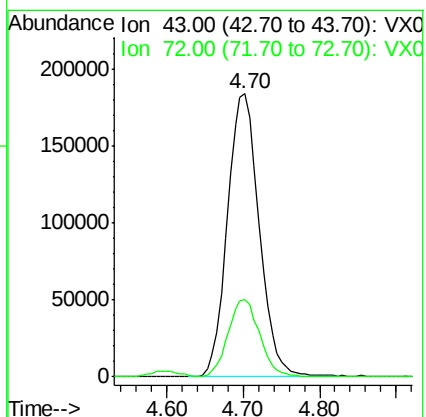
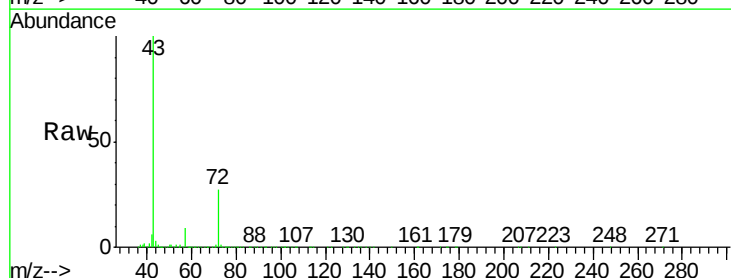
Acq: 04 Jan 2019 18:18

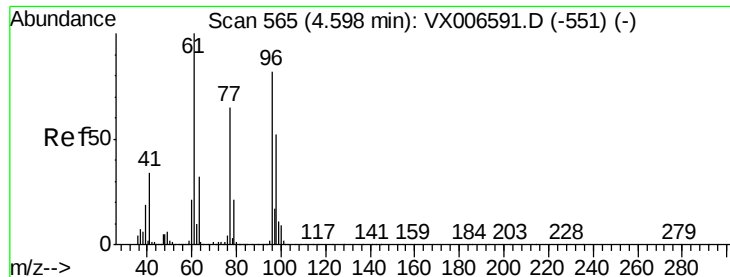
Tgt Ion: 43 Resp: 529395

Ion Ratio Lower Upper

43 100

72 27.3 22.4 33.6



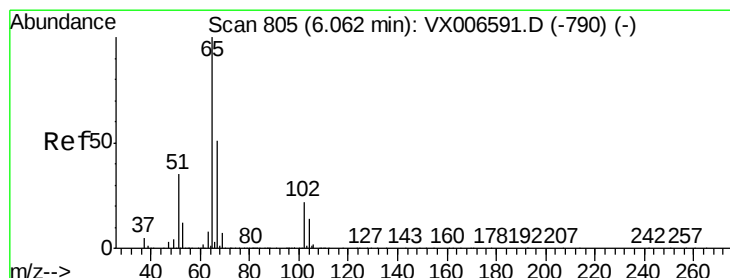
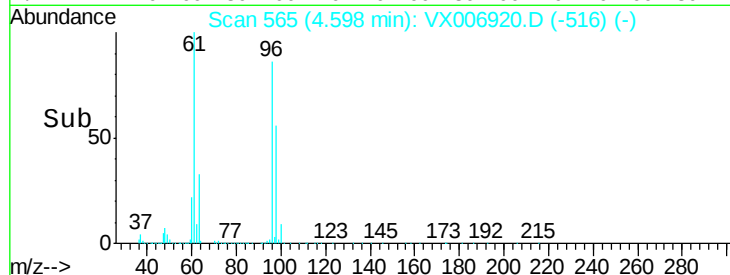
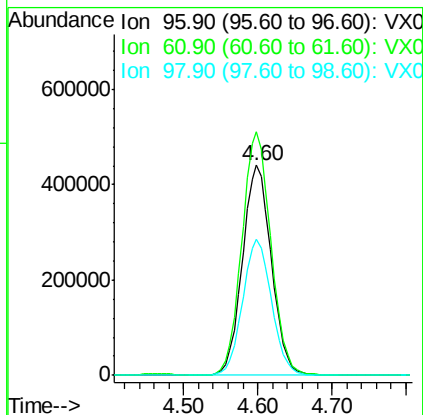
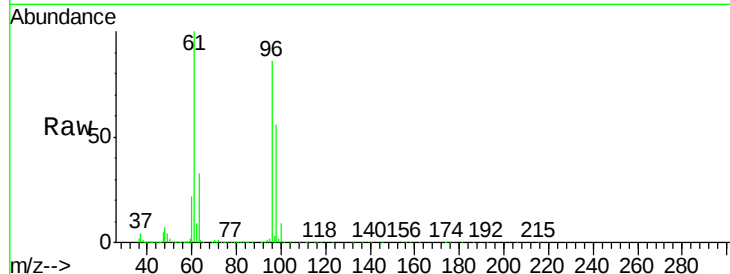


#27

cis-1,2-Dichloroethene
 Concen: 171.686 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006920.D
 Acq: 04 Jan 2019 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0651

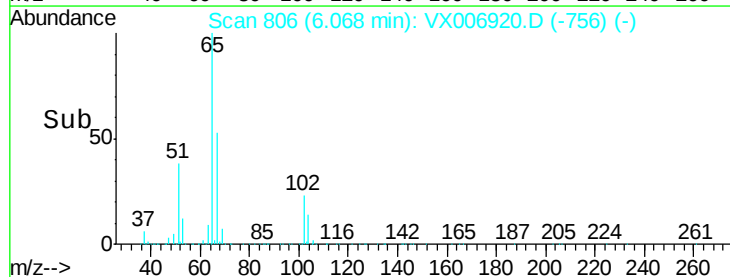
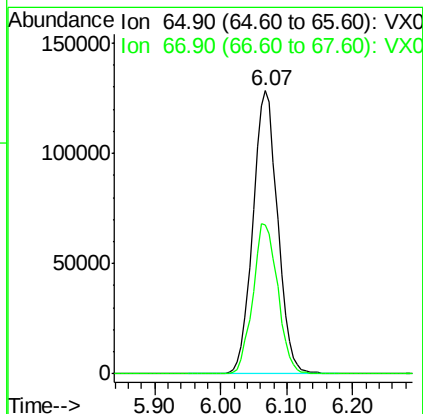
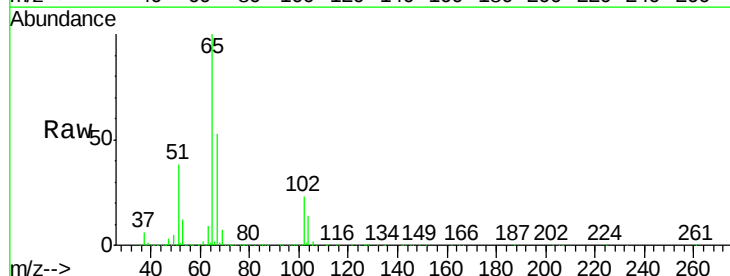
Tot Ion: 96 Resp: 1205195
 Ion Ratio Lower Upper
 96 100
 61 115.8 0.0 258.6
 98 64.7 0.0 132.0

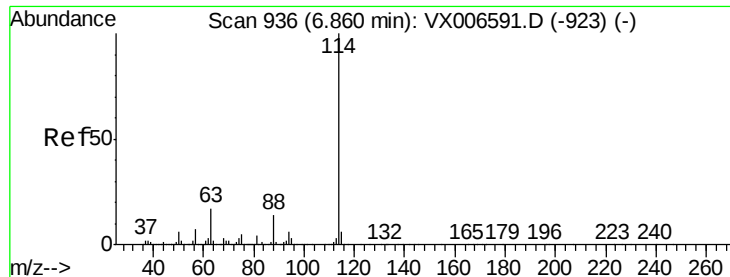


#33

1,2-Dichloroethane-d4
 Concen: 48.463 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006920.D
 Acq: 04 Jan 2019 18:18

Tgt Ion: 65 Resp: 335686
 Ion Ratio Lower Upper
 65 100
 67 53.1 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: VX006920.D

Acq: 04 Jan 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

S32-0651

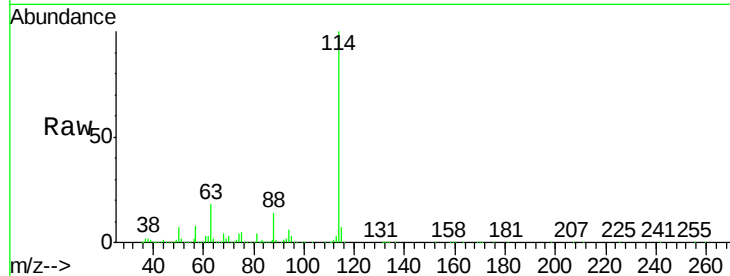
Tot Ion:114 Resp: 978595

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

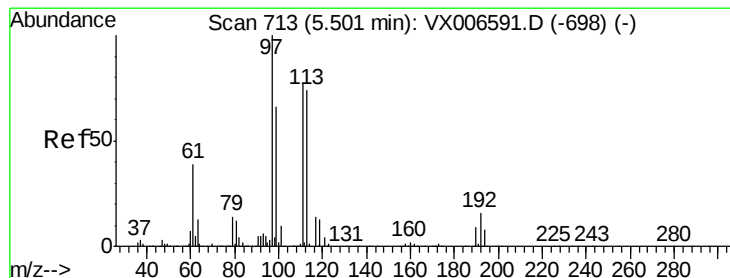
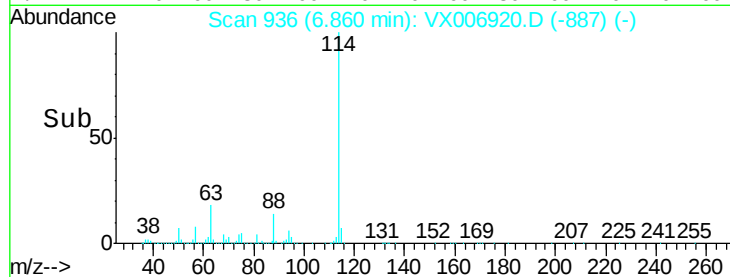
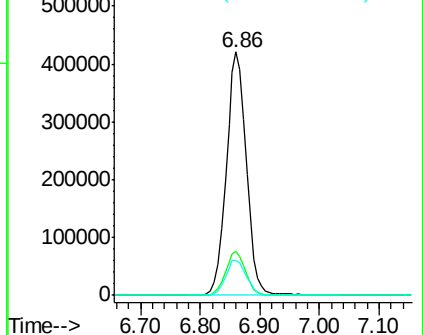
88 14.4 0.0 28.8



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: 48.584 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006920.D

Acq: 04 Jan 2019 18:18

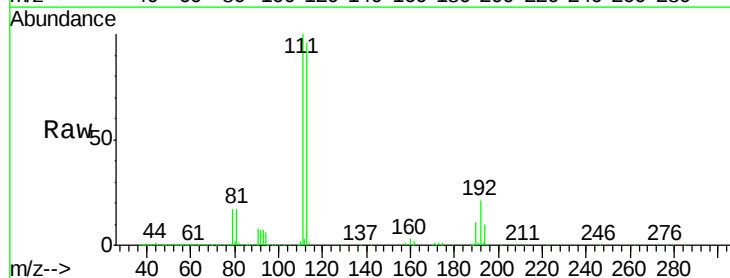
Tgt Ion:113 Resp: 300662

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

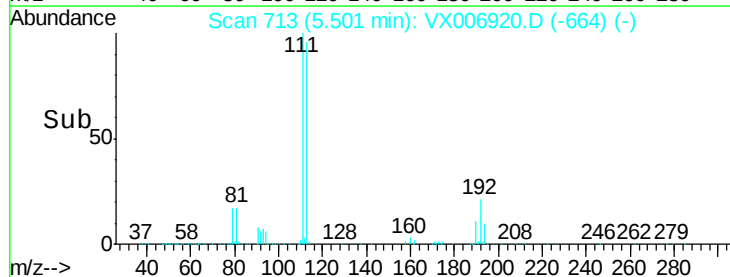
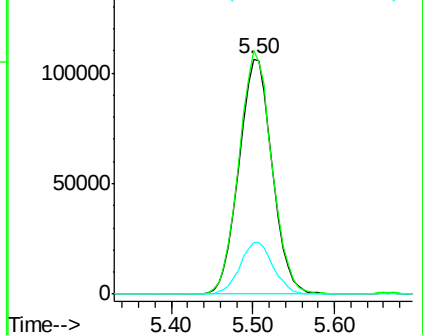
192 22.1 16.7 25.1

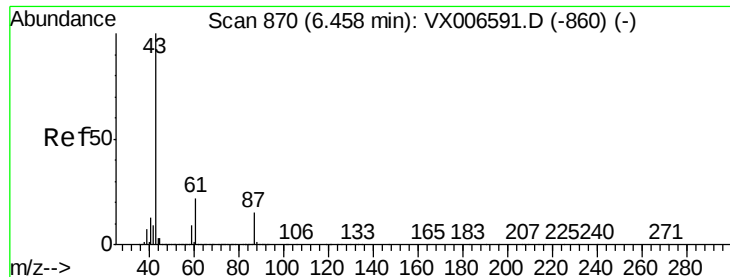


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 0.611 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006920.D

Acq: 04 Jan 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

S32-0651

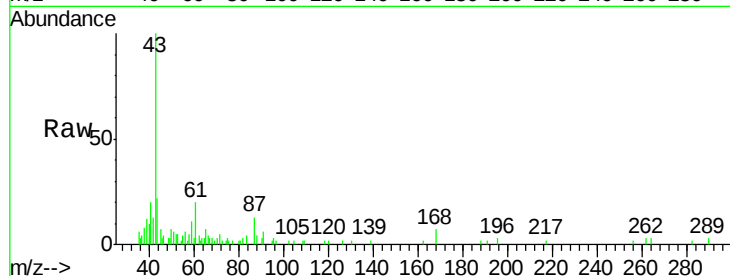
Tot Ion: 43 Resp: 7843

Ion Ratio Lower Upper

43 100

61 27.5 16.8 25.2#

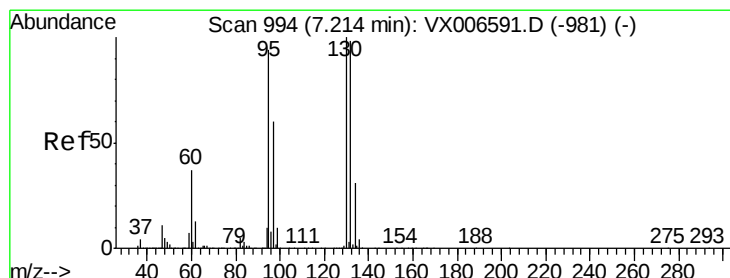
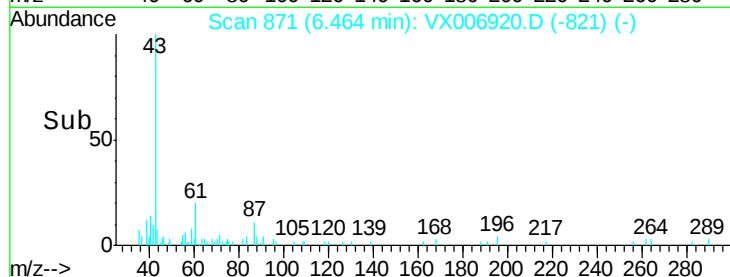
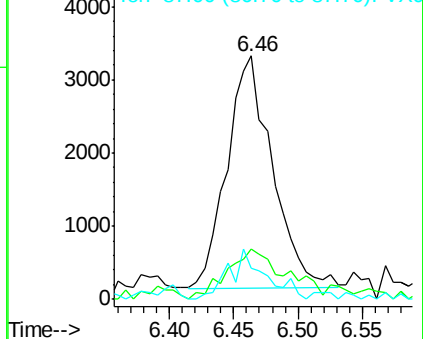
87 17.2 12.4 18.6



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



#44

Trichloroethene

Concen: 93.318 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006920.D

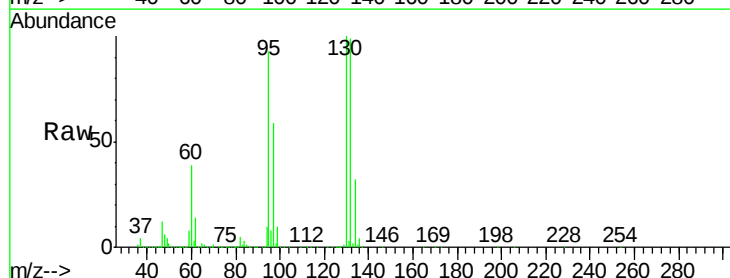
Acq: 04 Jan 2019 18:18

Tgt Ion:130 Resp: 695844

Ion Ratio Lower Upper

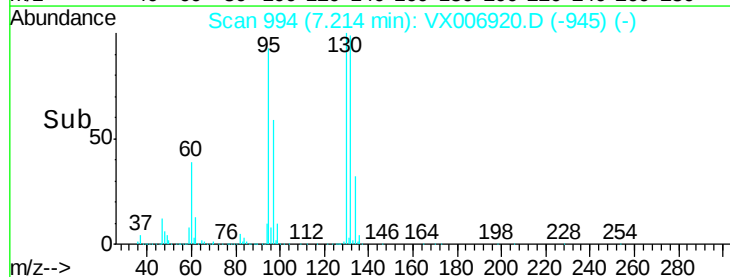
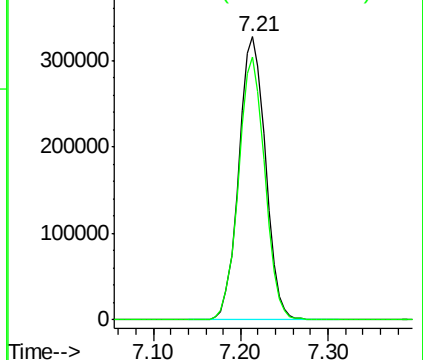
130 100

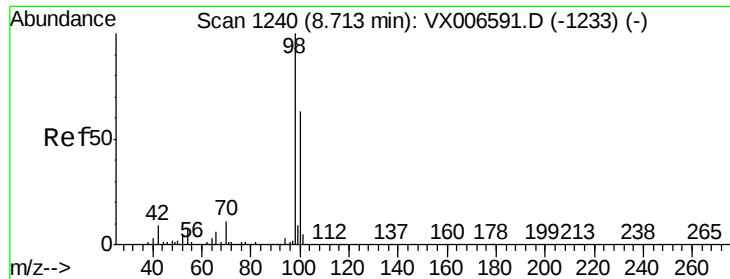
95 92.8 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.651 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006920.D

Acq: 04 Jan 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

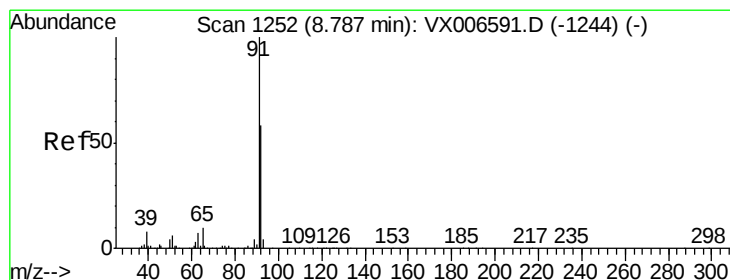
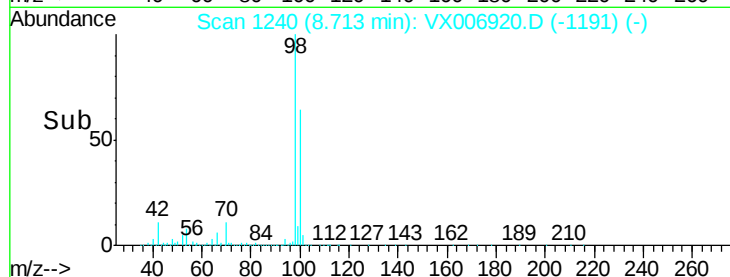
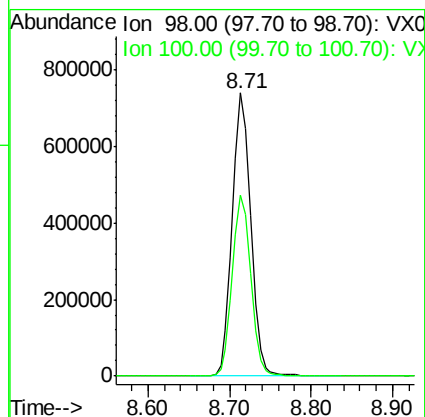
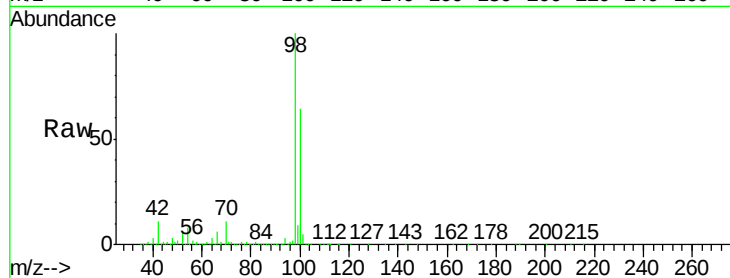
S32-0651

Tot Ion: 98 Resp: 1158384

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#52

Toluene

Concen: 0.360 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006920.D

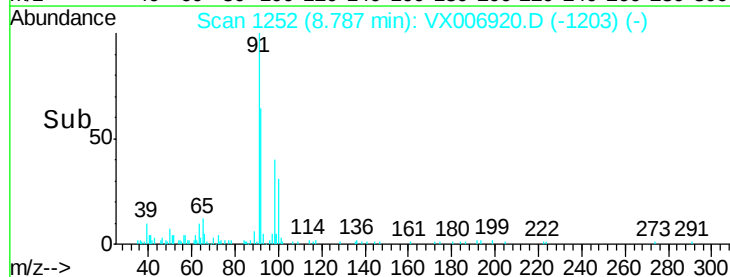
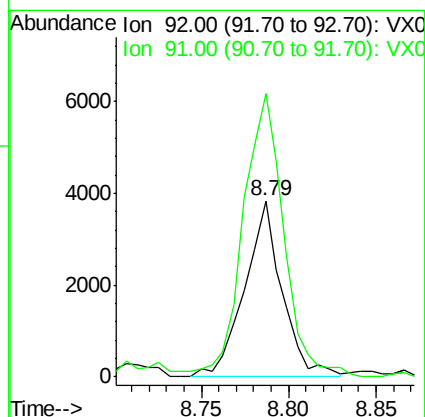
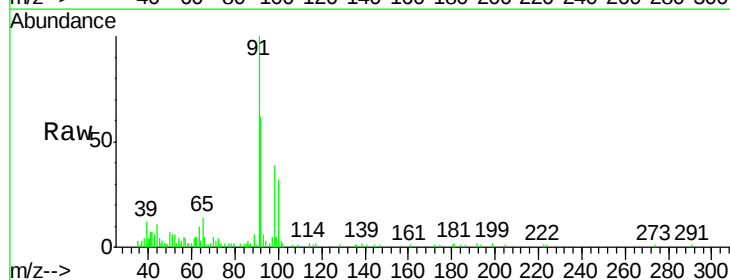
Acq: 04 Jan 2019 18:18

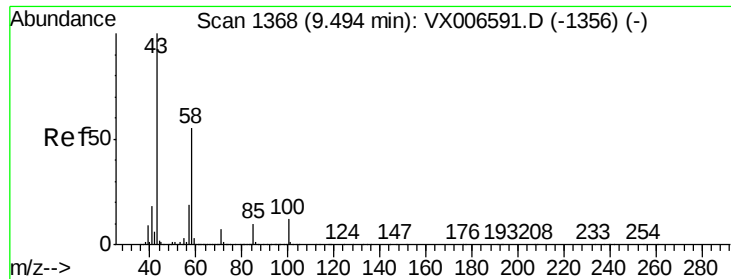
Tgt Ion: 92 Resp: 5733

Ion Ratio Lower Upper

92 100

91 173.1 137.6 206.4

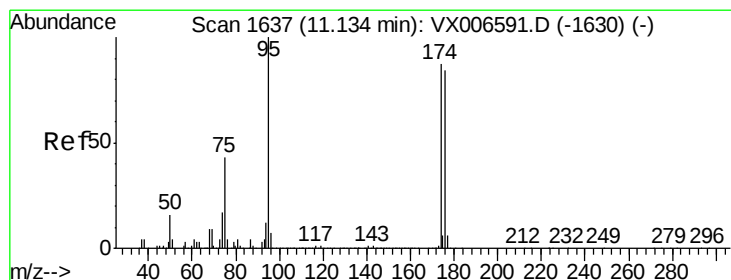
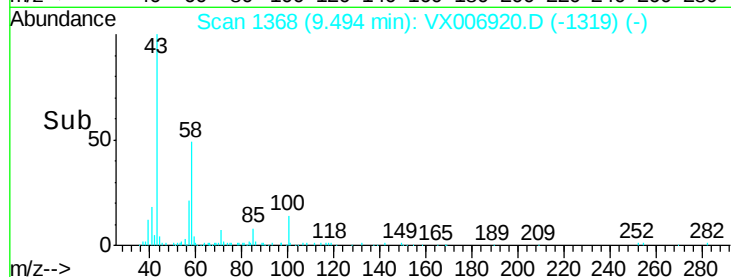
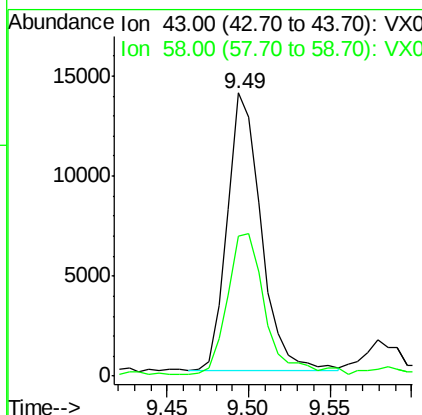
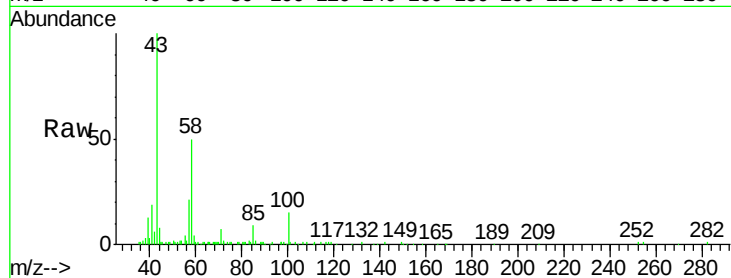




#59
2-Hexanone
Concen: 3.200 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006920.D
Acq: 04 Jan 2019 18:18

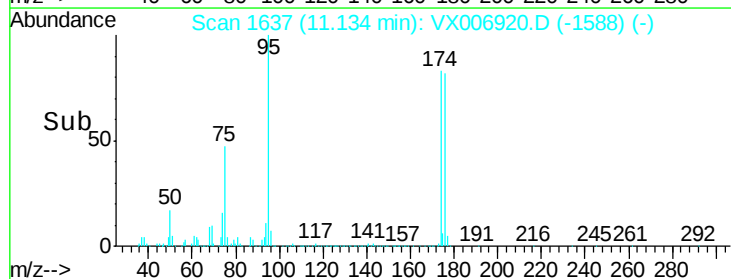
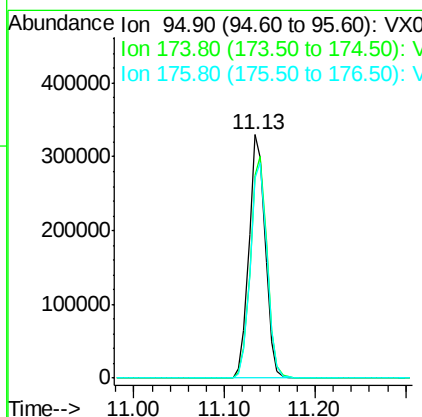
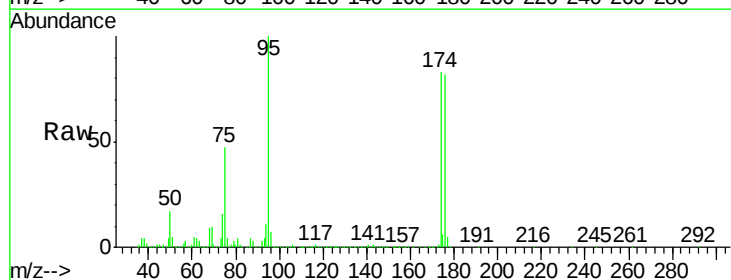
Instrument :
MSVOA_X
ClientSampleId :
S32-0651

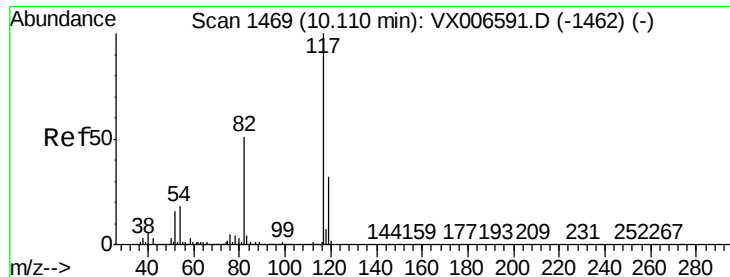
Tot Ion: 43 Resp: 19997
Ion Ratio Lower Upper
43 100
58 57.3 27.7 83.1



#62
4-Bromofluorobenzene
Concen: 48.347 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006920.D
Acq: 04 Jan 2019 18:18

Tgt Ion: 95 Resp: 413113
Ion Ratio Lower Upper
95 100
174 92.0 0.0 182.2
176 90.2 0.0 178.8

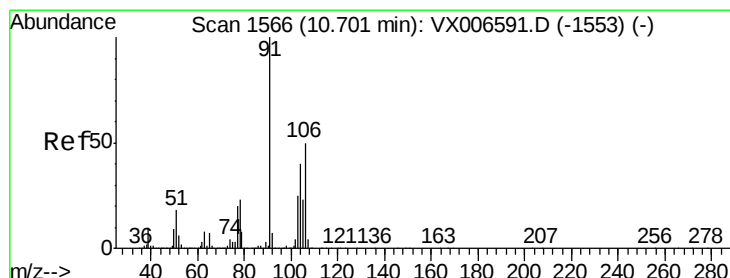
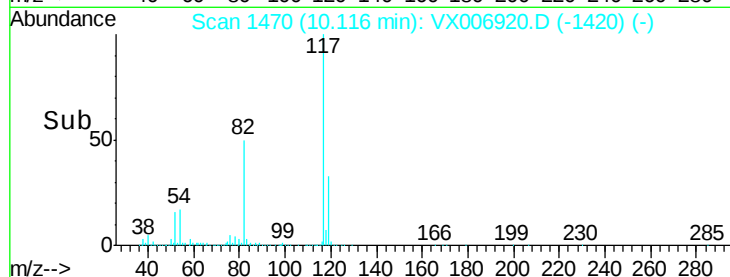
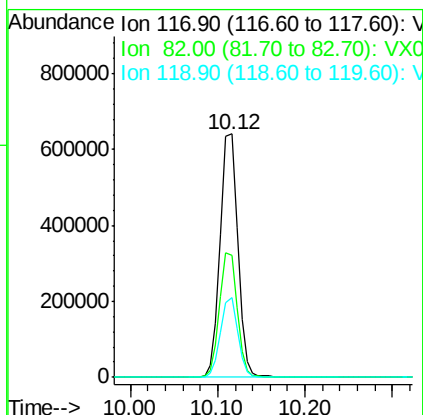
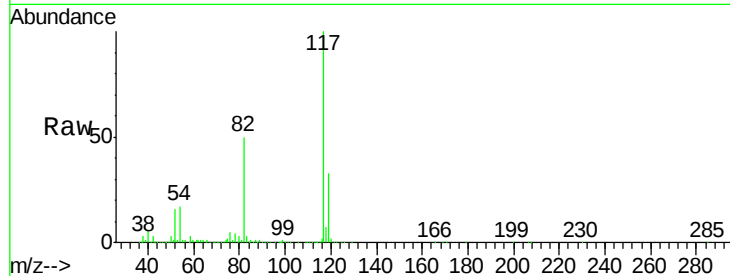




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006920.D
Acq: 04 Jan 2019 18:18

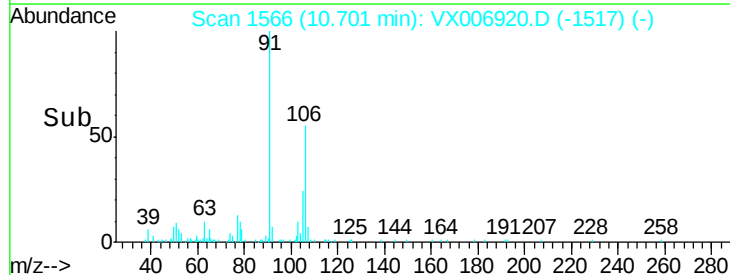
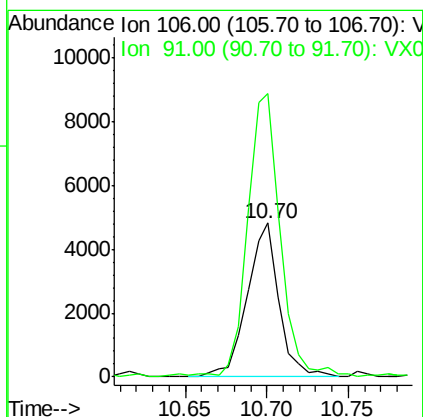
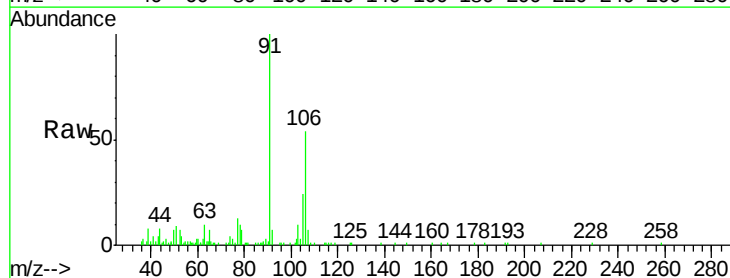
Instrument :
MSVOA_X
ClientSampleId :
S32-0651

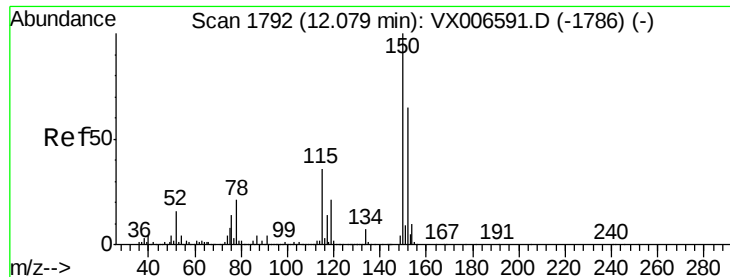
Tot Ion:117 Resp: 899556
Ion Ratio Lower Upper
117 100
82 50.3 41.0 61.6
119 32.8 25.4 38.0



#69
o-Xylene
Concen: 0.540 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006920.D
Acq: 04 Jan 2019 18:18

Tgt Ion:106 Resp: 6547
Ion Ratio Lower Upper
106 100
91 190.3 101.3 303.7



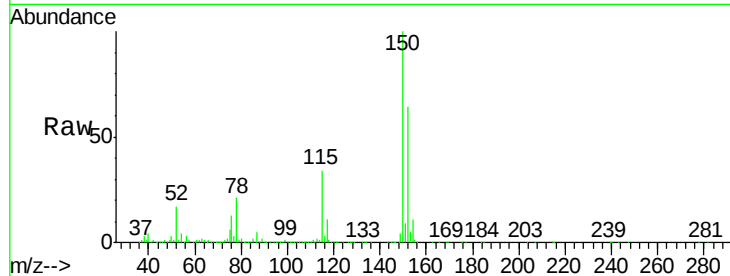


#72

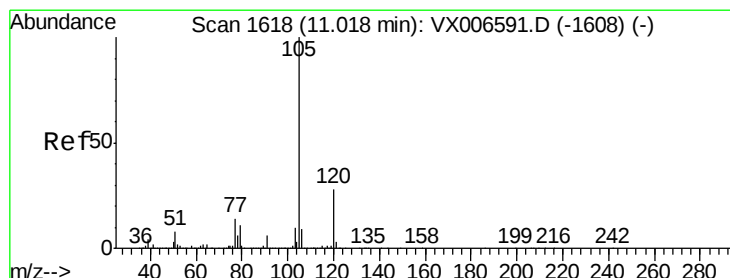
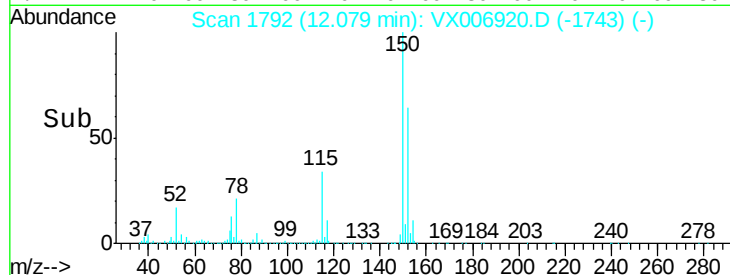
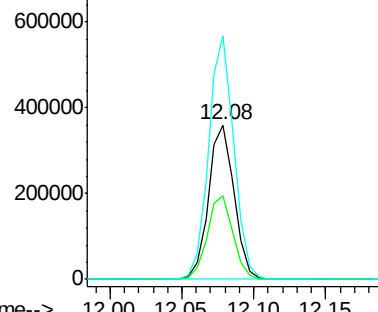
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006920.D
Acq: 04 Jan 2019 18:18

Instrument :
MSVOA_X
ClientSampleId :
S32-0651

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.2	39.1	117.2
150	155.5	0.0	344.8



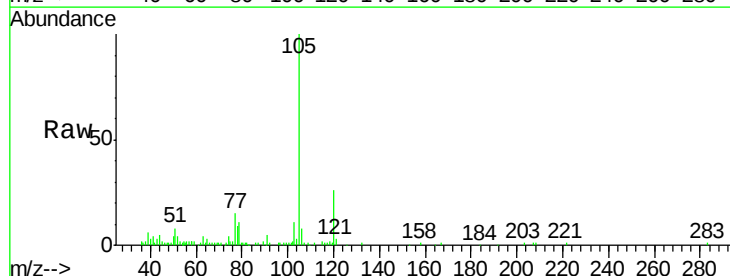
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



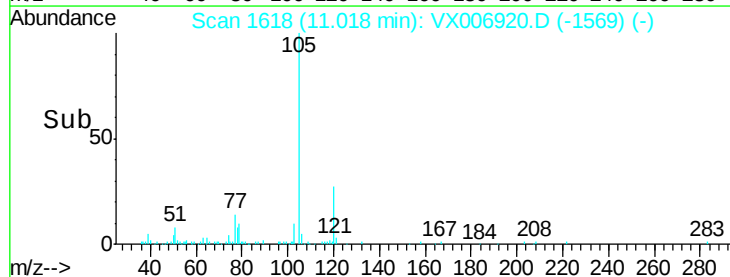
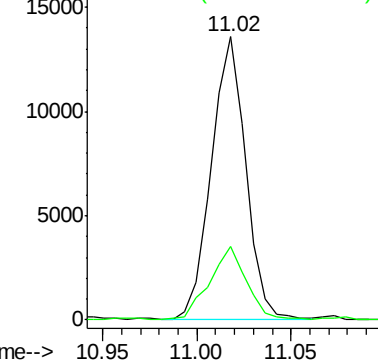
#73

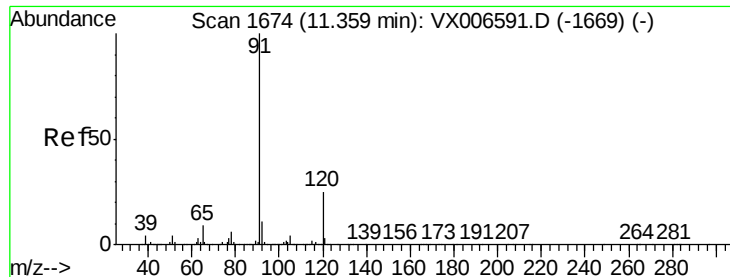
Isopropylbenzene
Concen: 0.566 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX006920.D
Acq: 04 Jan 2019 18:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.8	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: 0.279 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006920.D

Acq: 04 Jan 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

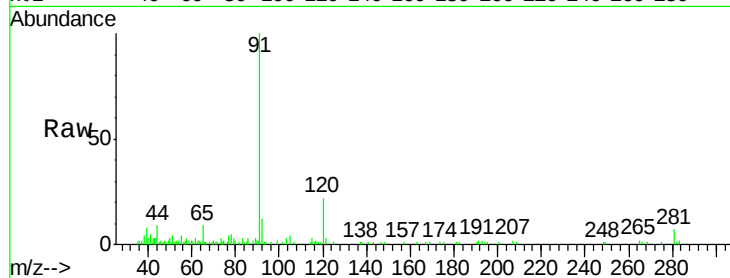
S32-0651

Tot Ion: 91 Resp: 9368

Ion Ratio Lower Upper

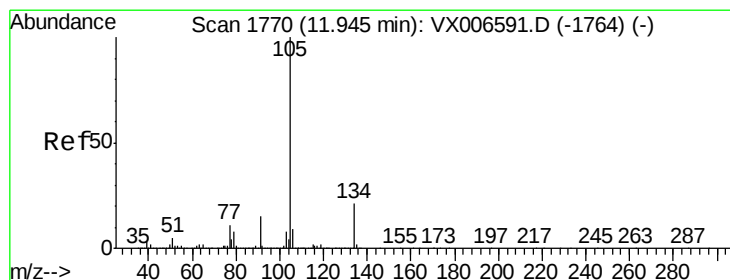
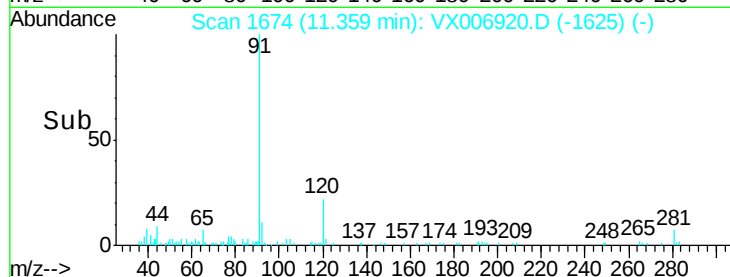
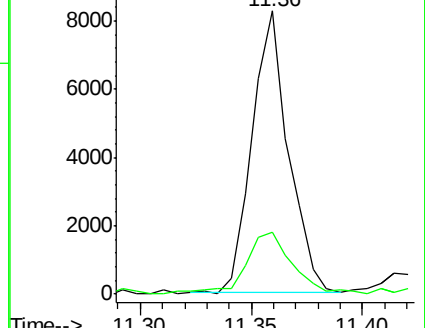
91 100

120 28.7 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX006591.D (-1669) (-)



#85

sec-Butylbenzene

Concen: 0.483 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006920.D

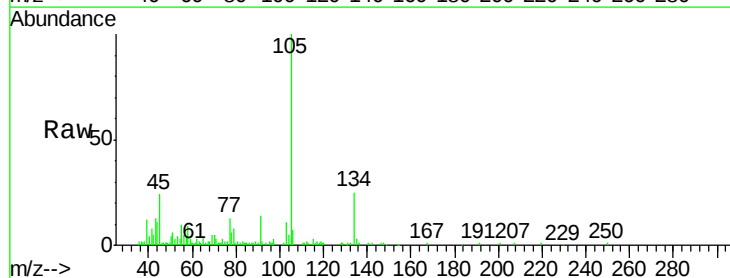
Acq: 04 Jan 2019 18:18

Tgt Ion: 105 Resp: 14904

Ion Ratio Lower Upper

105 100

134 28.8 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): VX006591.D (-1764) (-)

Ion 134.00 (133.70 to 134.70): VX006591.D (-1764) (-)

