

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120418\
 Data File : VX006285.D
 Acq On : 04 Dec 2018 18:15
 Operator : JC/MD
 Sample : J6232-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0643

Quant Time: Dec 05 01:14:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	822308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1260786	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1135558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	556983	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	412420	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.26%		
35) Dibromofluoromethane	5.51	113	400874	49.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.22%		
50) Toluene-d8	8.71	98	1463459	49.29	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.58%		
62) 4-Bromofluorobenzene	11.13	95	547346	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.84%		

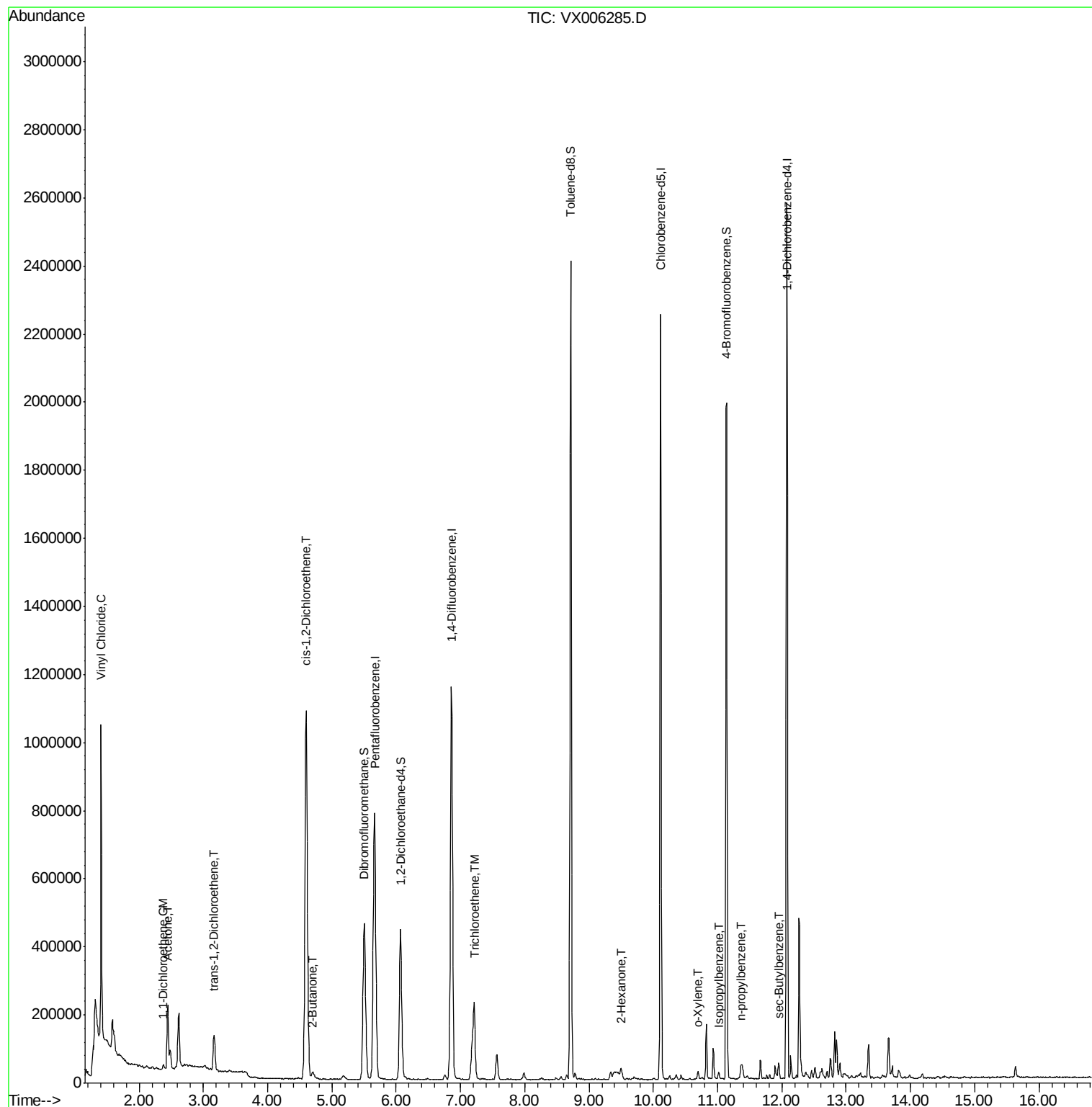
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	569174	63.916	ug/l	98
12) 1,1-Dichloroethene	2.38	96	5880	0.790	ug/l	85
16) Acetone	2.45	43	203226	51.587	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	41542	5.239	ug/l	97
25) 2-Butanone	4.70	43	34428	6.125	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	745341	84.269	ug/l	89
44) Trichloroethene	7.21	130	86991	9.030	ug/l	93
59) 2-Hexanone	9.50	43	9411	1.067	ug/l	90
69) o-Xylene	10.69	106	4928	0.311	ug/l	90
73) Isopropylbenzene	11.02	105	10157	0.264	ug/l	92
78) n-propylbenzene	11.36	91	16275	0.381	ug/l	95
85) sec-Butylbenzene	11.94	105	13451	0.346	ug/l #	73

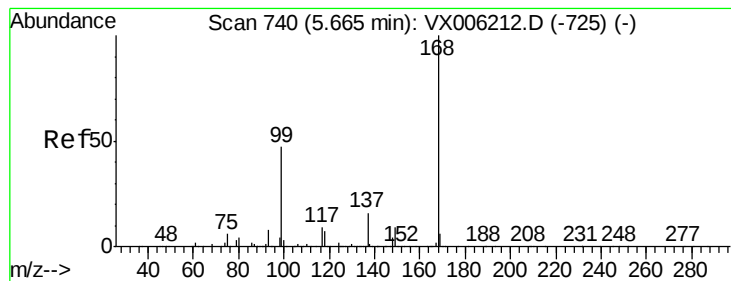
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX120418\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006285.D

Acq: 04 Dec 2018 18:15

Instrument :

MSVOA_X

ClientSampleId :

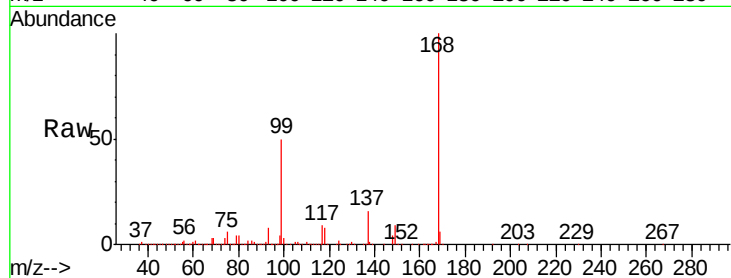
S32-0643

Tgt Ion:168 Resp: 822308

Ion Ratio Lower Upper

168 100

99 50.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

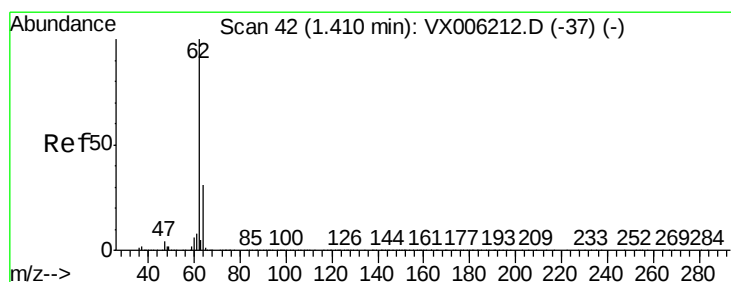
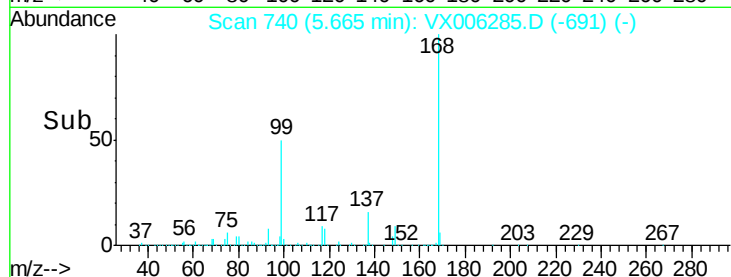
300000

200000

100000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 63.916 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006285.D

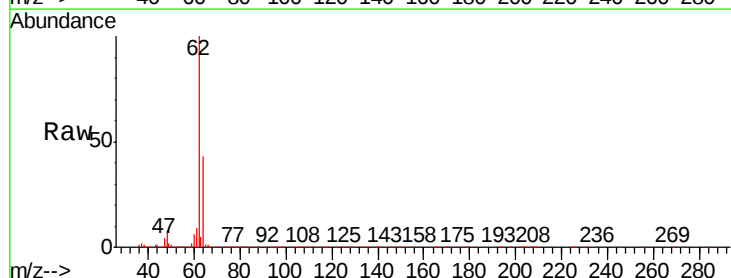
Acq: 04 Dec 2018 18:15

Tgt Ion: 62 Resp: 569174

Ion Ratio Lower Upper

62 100

64 32.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

600000

500000

400000

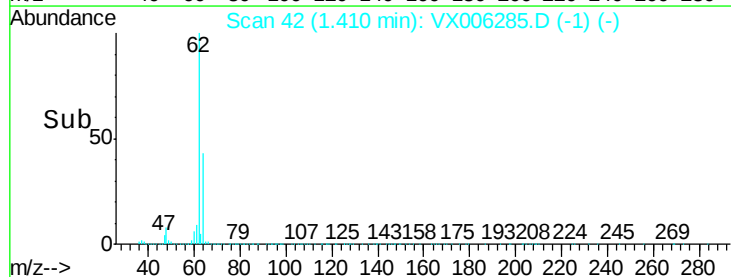
300000

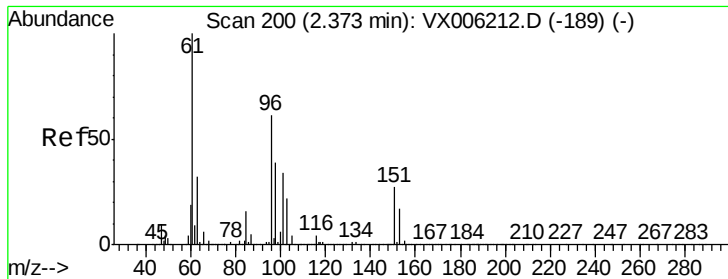
200000

100000

0

Time--> 1.30 1.35 1.40 1.45 1.50





#12

1,1-Dichloroethene

Concen: 0.790 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX006285.D

Acq: 04 Dec 2018 18:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0643

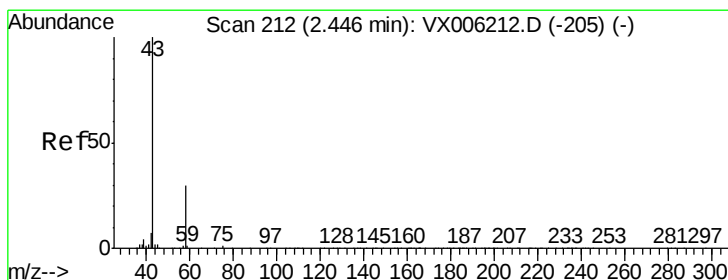
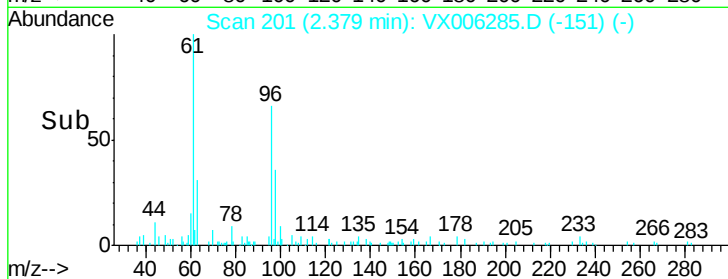
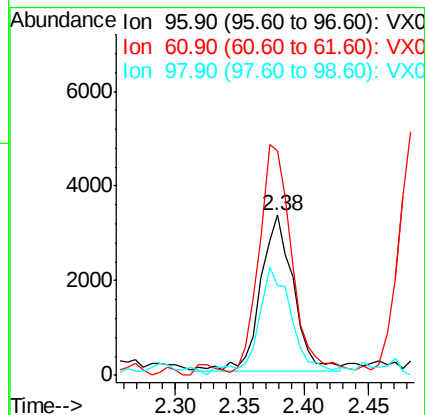
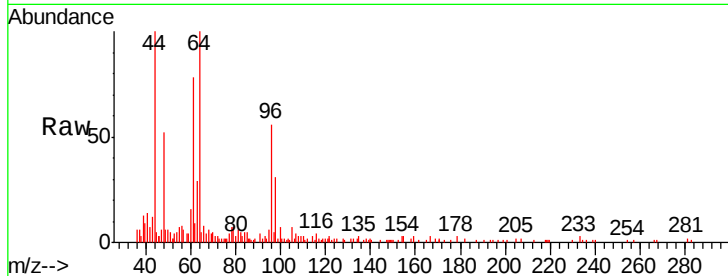
Tgt Ion: 96 Resp: 5880

Ion Ratio Lower Upper

96 100

61 144.9 131.7 197.5

98 52.9 51.8 77.6



#16

Acetone

Concen: 51.587 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006285.D

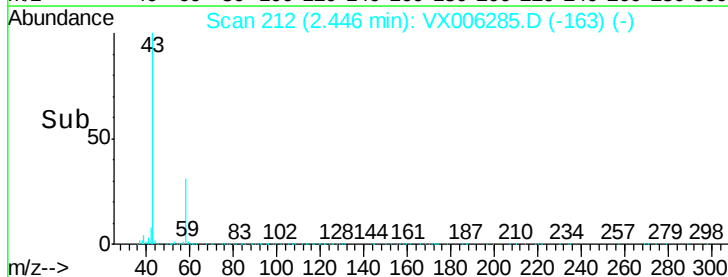
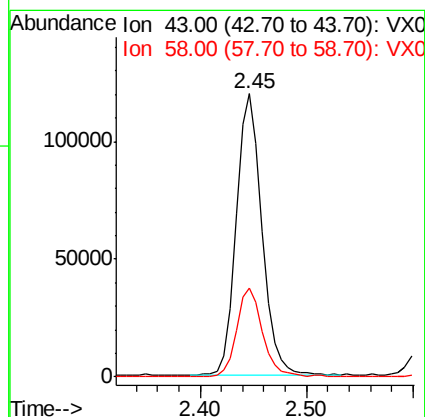
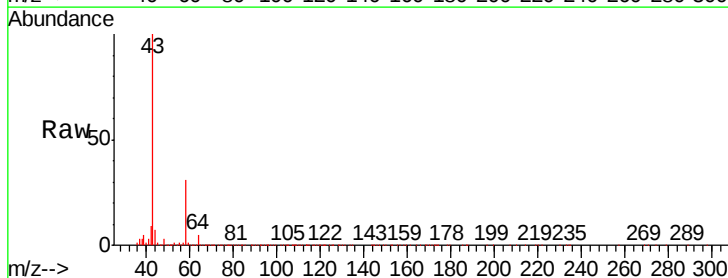
Acq: 04 Dec 2018 18:15

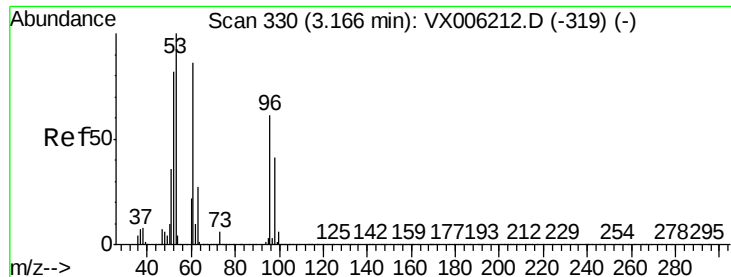
Tgt Ion: 43 Resp: 203226

Ion Ratio Lower Upper

43 100

58 31.2 24.0 36.0





#21

trans-1,2-Dichloroethene

Concen: 5.239 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX006285.D

Acq: 04 Dec 2018 18:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0643

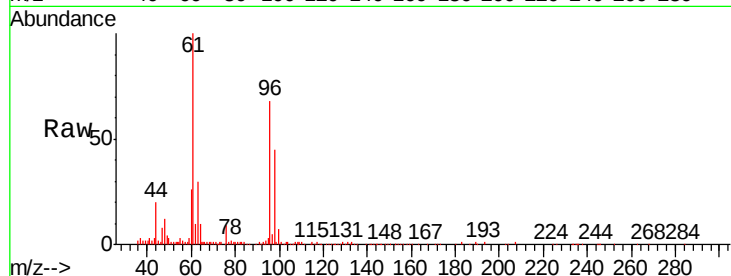
Tgt Ion: 96 Resp: 41542

Ion Ratio Lower Upper

96 100

61 146.9 113.3 169.9

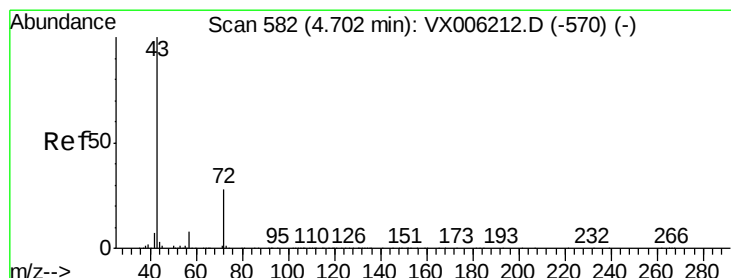
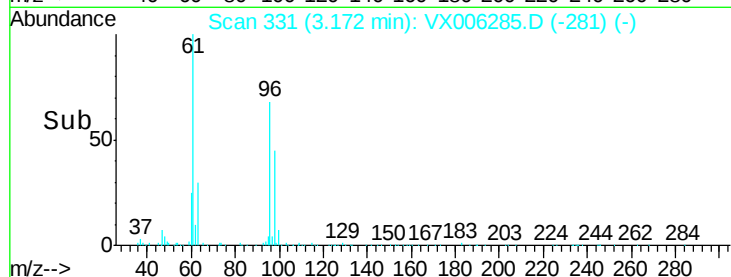
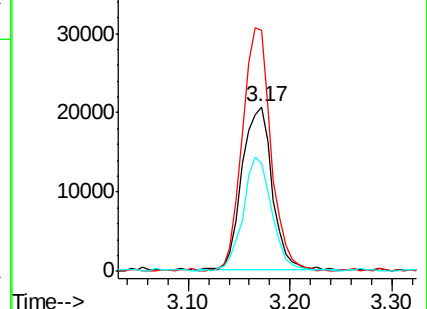
98 65.7 53.2 79.8



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



#25

2-Butanone

Concen: 6.125 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006285.D

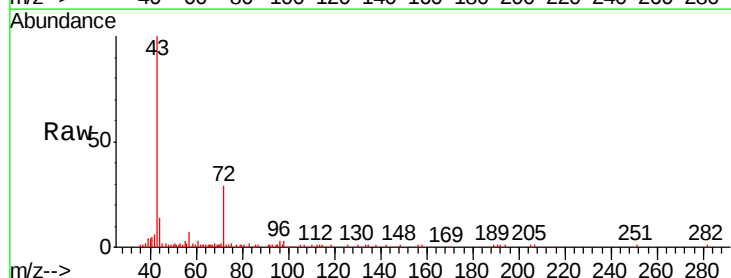
Acq: 04 Dec 2018 18:15

Tgt Ion: 43 Resp: 34428

Ion Ratio Lower Upper

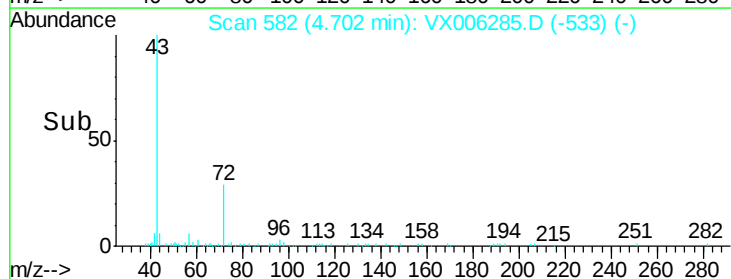
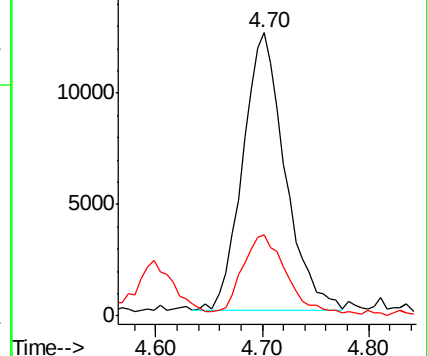
43 100

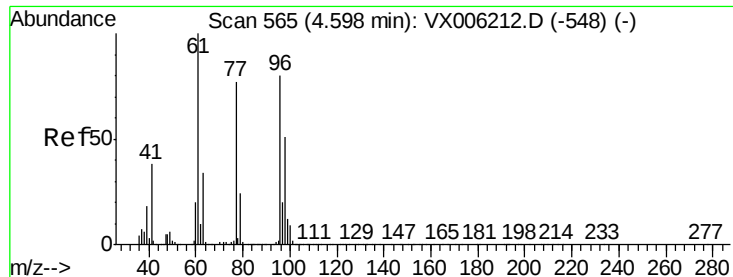
72 28.0 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



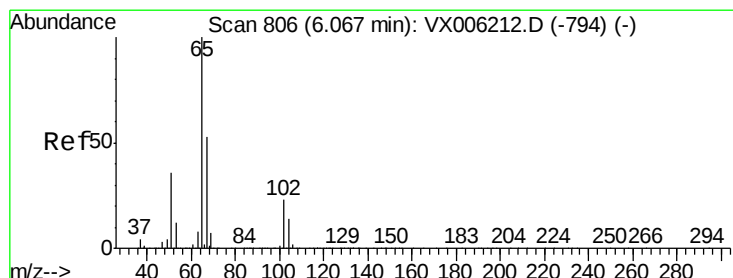
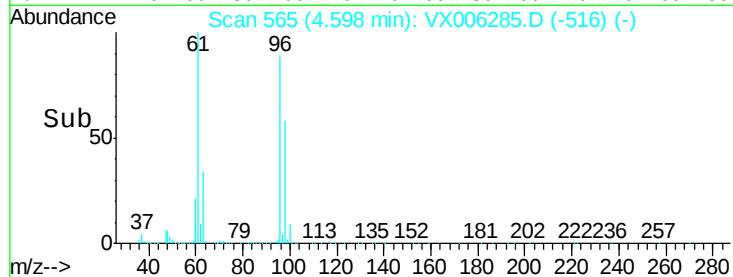
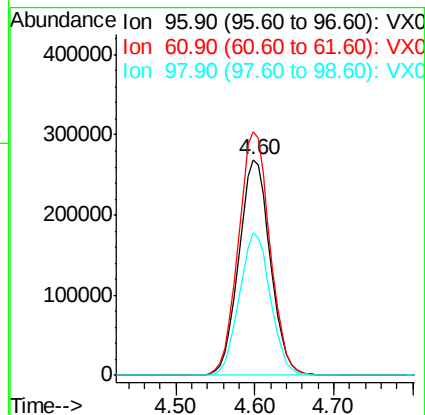
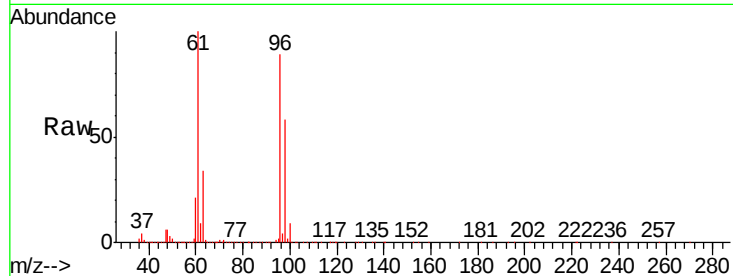


#27

cis-1,2-Dichloroethene
 Concen: 84.269 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006285.D
 Acq: 04 Dec 2018 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0643

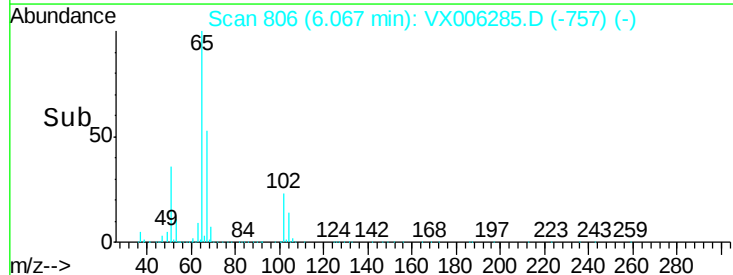
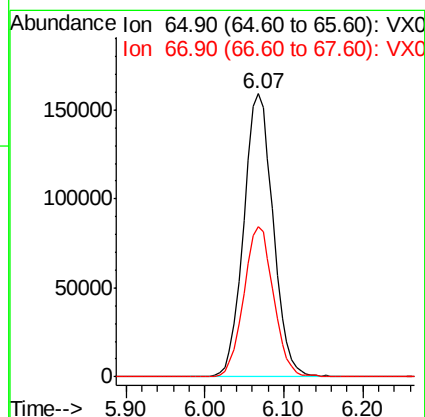
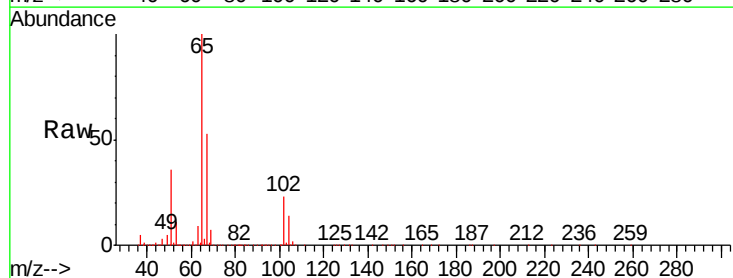
Tgt Ion	Ratio	Lower	Upper
96	100		
61	113.4	0.0	265.0
98	65.4	0.0	130.2

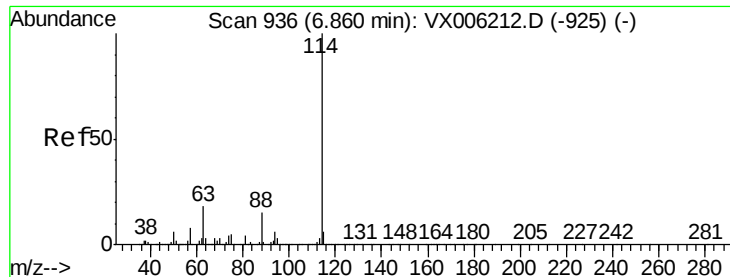


#33

1,2-Dichloroethane-d4
 Concen: 49.130 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006285.D
 Acq: 04 Dec 2018 18:15

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006285.D

Acq: 04 Dec 2018 18:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0643

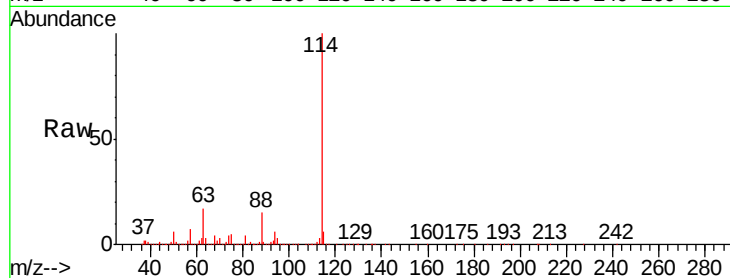
Tgt Ion:114 Resp: 1260786

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.6

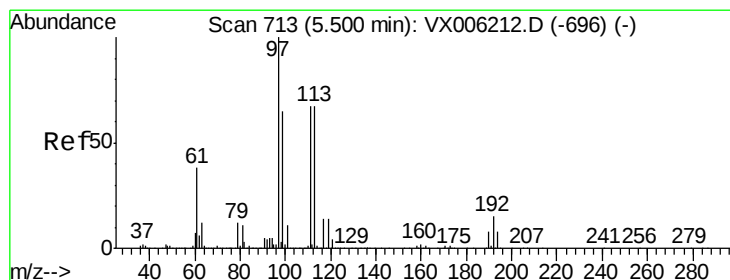
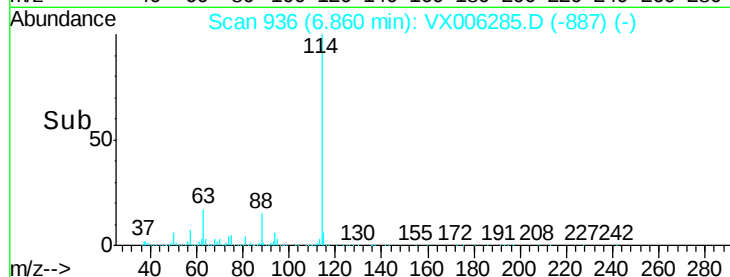
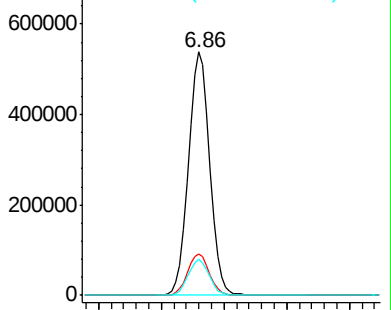
88 15.0 0.0 29.0



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: 49.108 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006285.D

Acq: 04 Dec 2018 18:15

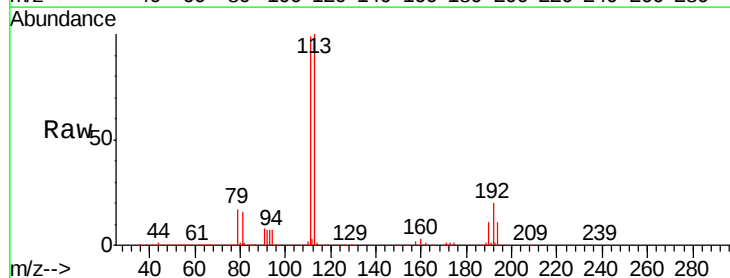
Tgt Ion:113 Resp: 400874

Ion Ratio Lower Upper

113 100

111 100.7 81.1 121.7

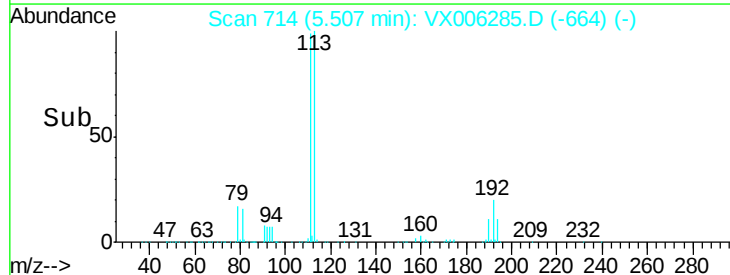
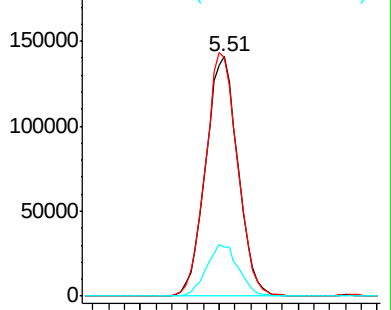
192 21.4 18.2 27.2

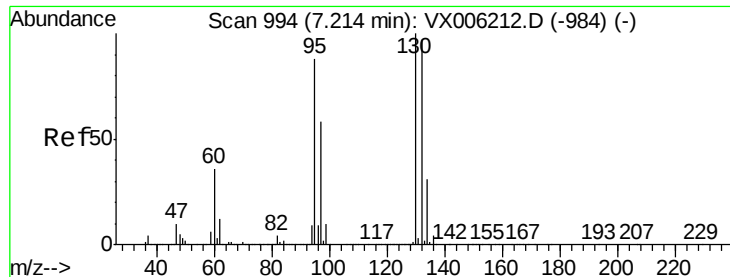


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 9.030 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006285.D

Acq: 04 Dec 2018 18:15

Instrument :

MSVOA_X

ClientSampleId :

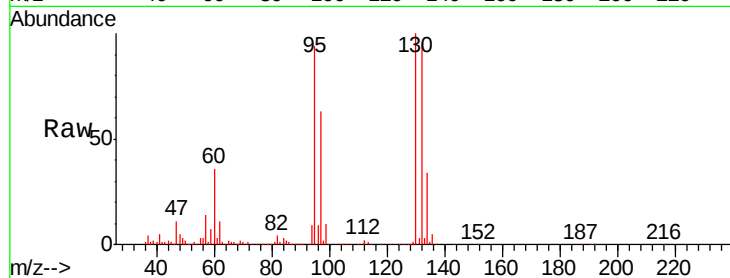
S32-0643

Tgt Ion:130 Resp: 86991

Ion Ratio Lower Upper

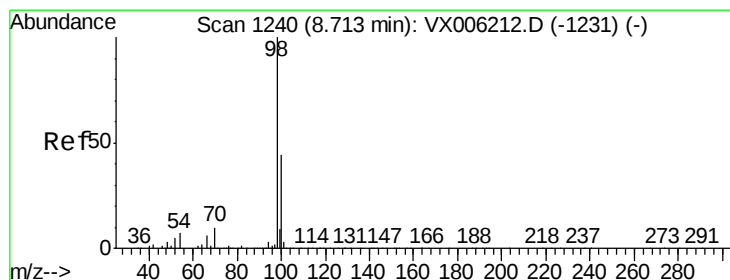
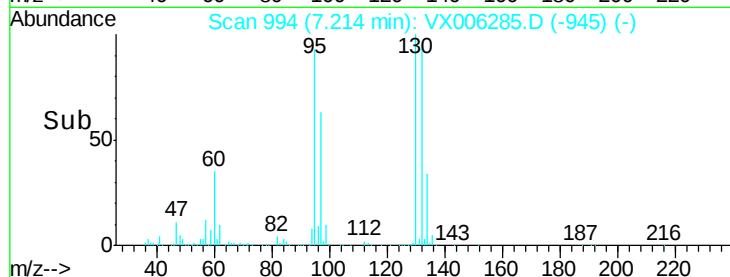
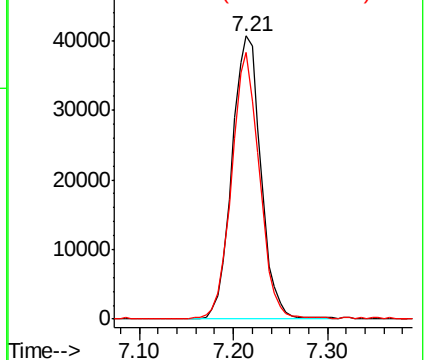
130 100

95 94.0 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.287 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006285.D

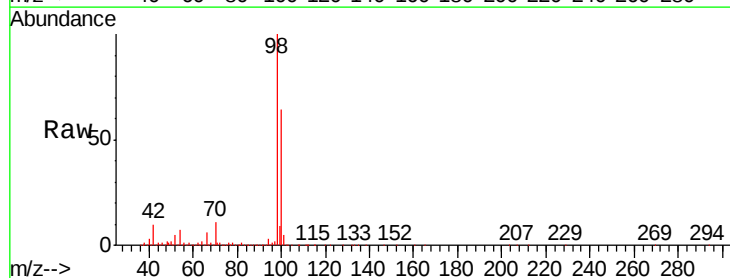
Acq: 04 Dec 2018 18:15

Tgt Ion: 98 Resp: 1463459

Ion Ratio Lower Upper

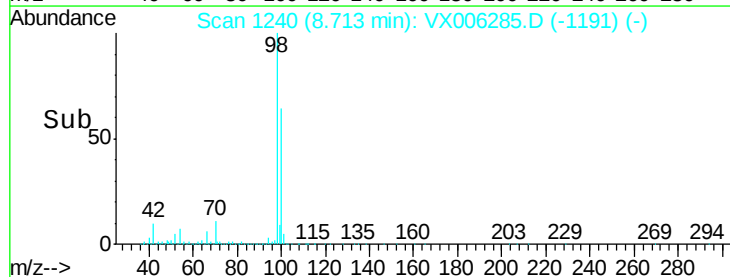
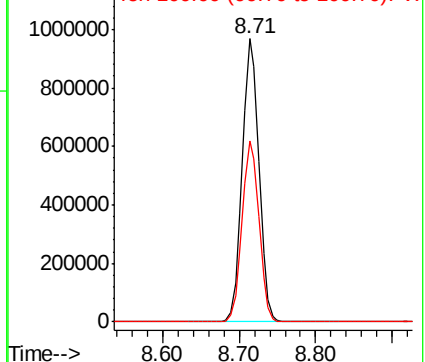
98 100

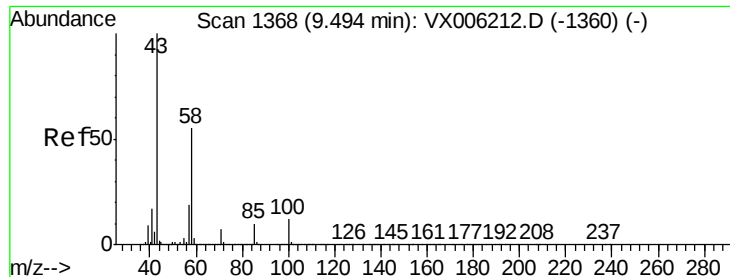
100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

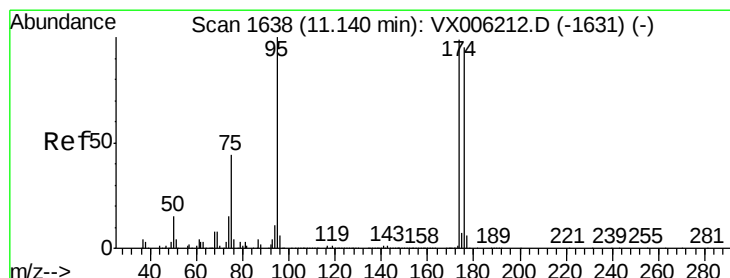
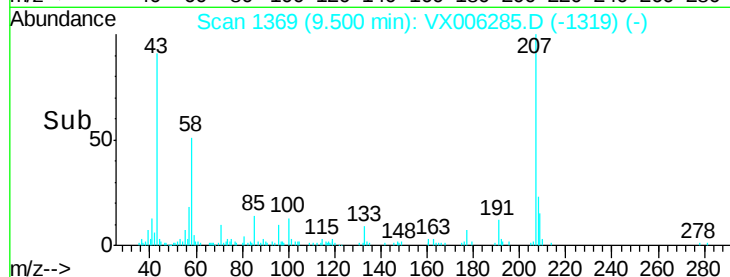
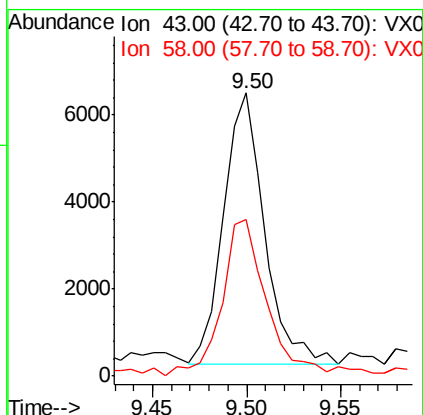
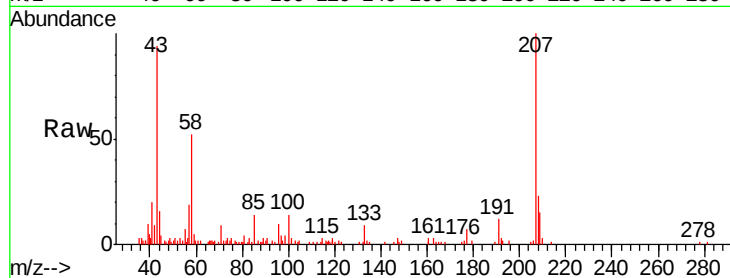




#59
2-Hexanone
Concen: 1.067 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX006285.D
Acq: 04 Dec 2018 18:15

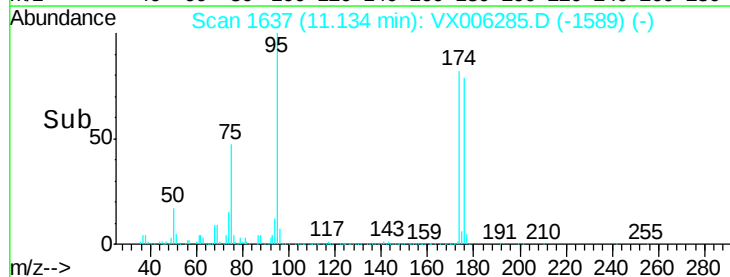
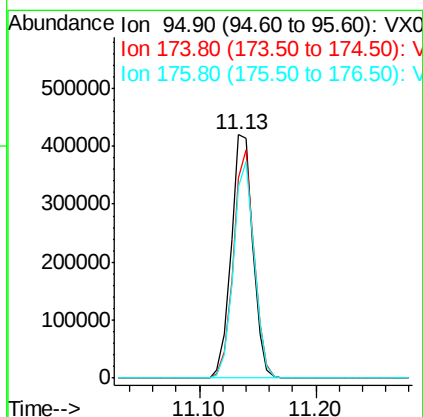
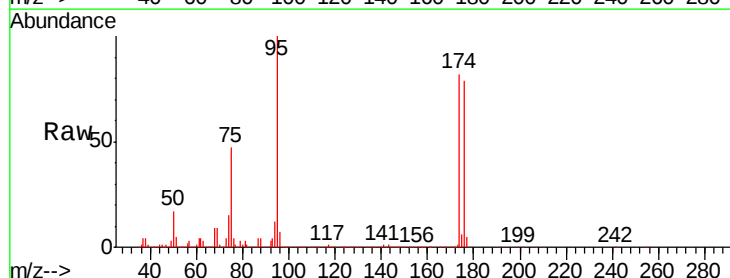
Instrument :
MSVOA_X
ClientSampleId :
S32-0643

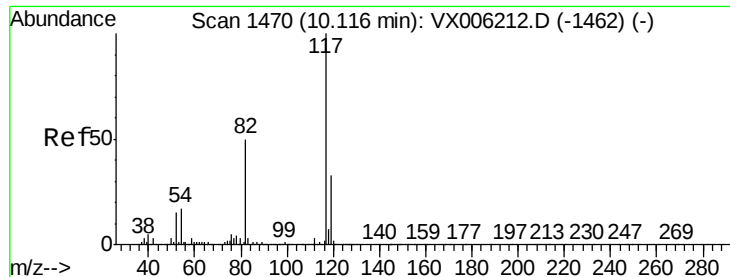
Tgt Ion: 43 Resp: 9411
Ion Ratio Lower Upper
43 100
58 62.6 27.7 83.1



#62
4-Bromofluorobenzene
Concen: 48.918 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006285.D
Acq: 04 Dec 2018 18:15

Tgt Ion: 95 Resp: 547346
Ion Ratio Lower Upper
95 100
174 88.9 0.0 187.0
176 85.7 0.0 181.8

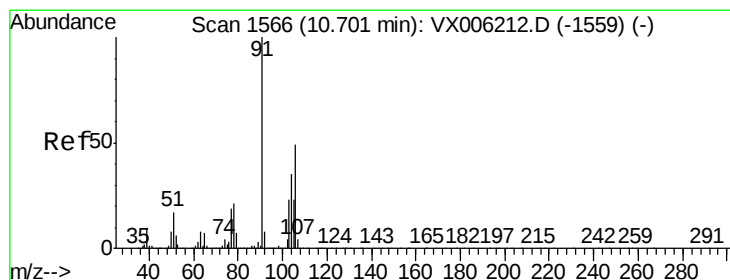
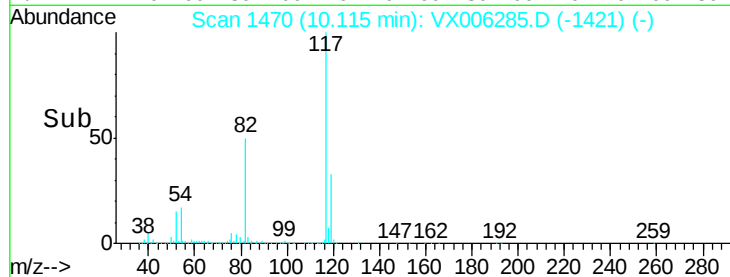
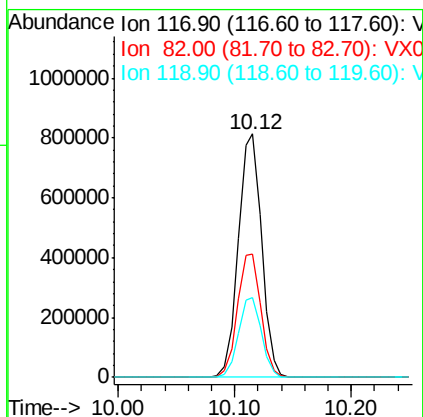
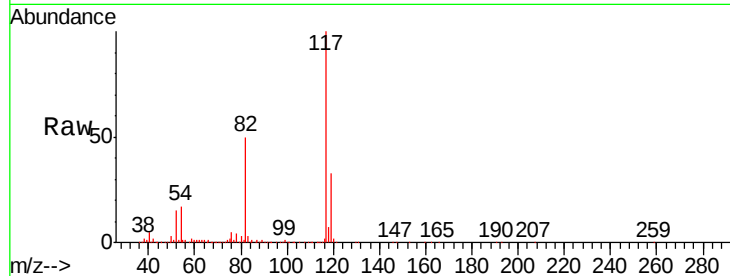




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006285.D
Acq: 04 Dec 2018 18:15

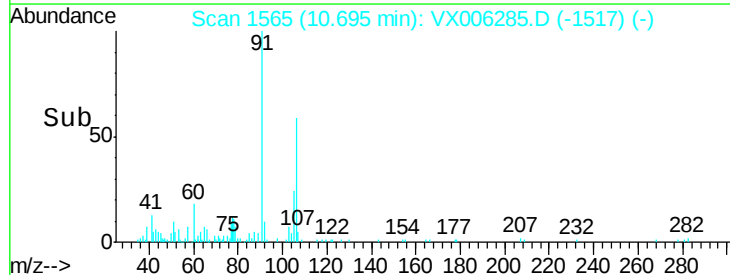
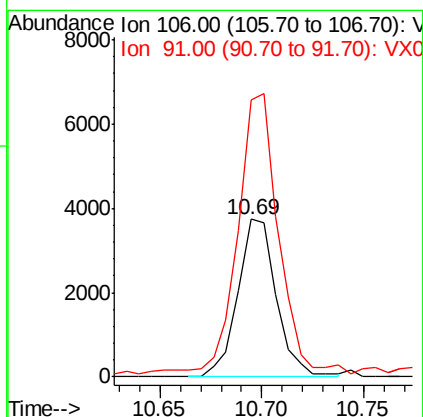
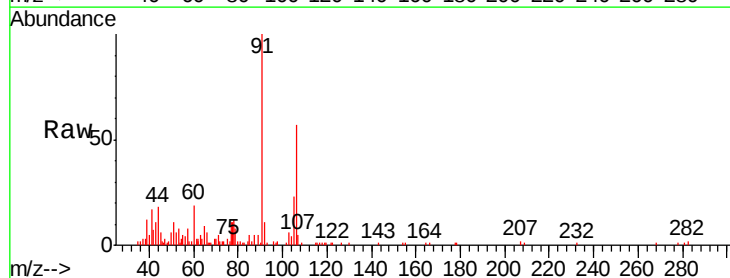
Instrument :
MSVOA_X
ClientSampled :
S32-0643

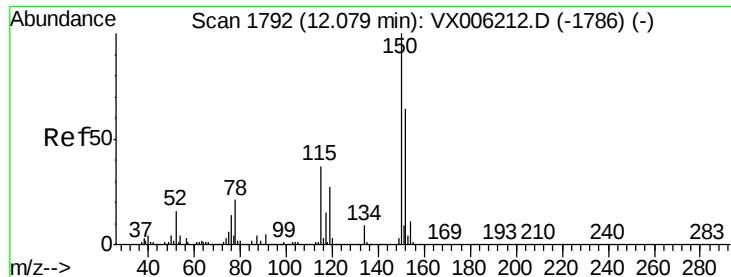
Tgt Ion:117 Resp: 1135558
Ion Ratio Lower Upper
117 100
82 50.4 39.6 59.4
119 33.0 26.3 39.5



#69
o-Xylene
Concen: 0.311 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006285.D
Acq: 04 Dec 2018 18:15

Tgt Ion:106 Resp: 4928
Ion Ratio Lower Upper
106 100
91 188.0 101.8 305.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006285.D

Acq: 04 Dec 2018 18:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0643

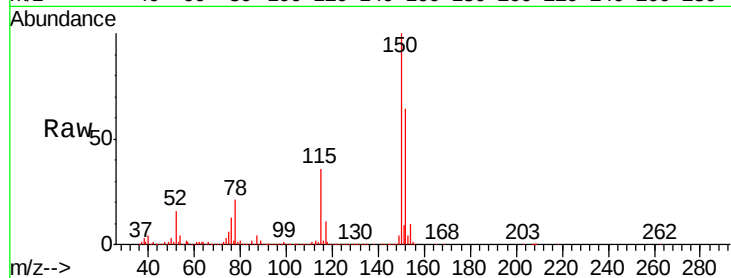
Tgt Ion:152 Resp: 556983

Ion Ratio Lower Upper

152 100

115 56.6 39.0 116.9

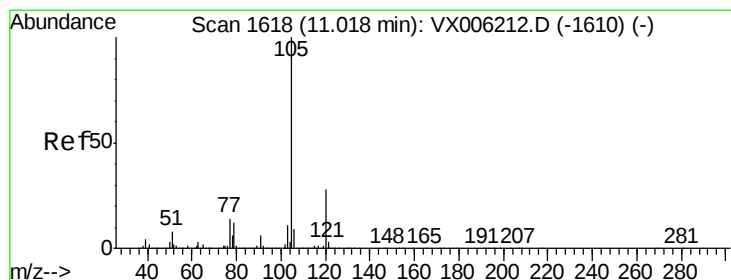
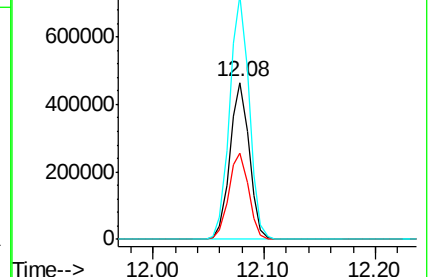
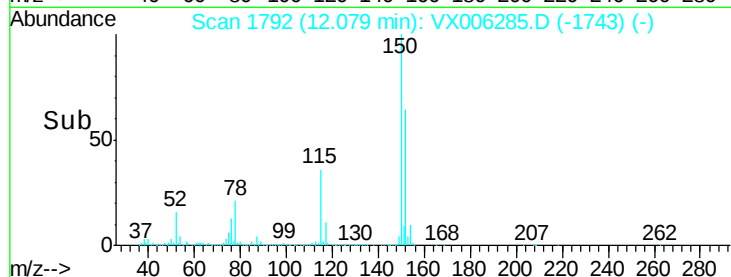
150 156.9 0.0 345.8



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: 0.264 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006285.D

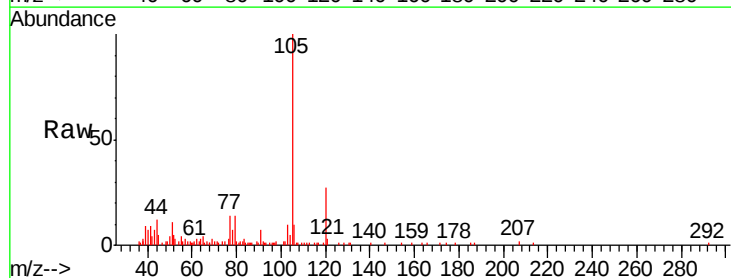
Acq: 04 Dec 2018 18:15

Tgt Ion:105 Resp: 10157

Ion Ratio Lower Upper

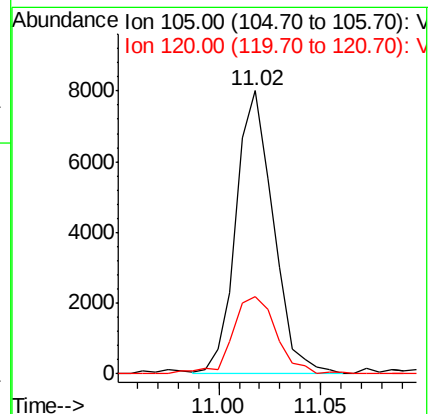
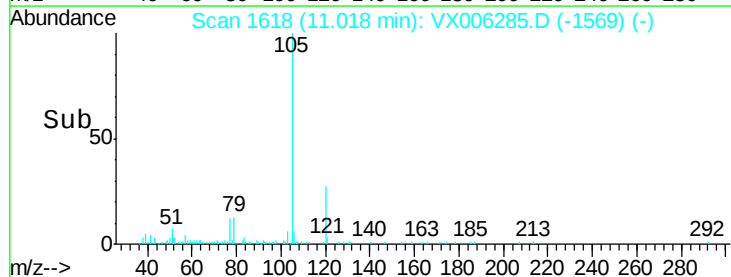
105 100

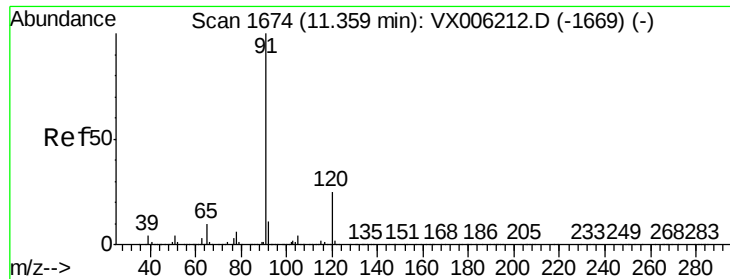
120 32.5 14.1 42.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.381 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006285.D

Acq: 04 Dec 2018 18:15

Instrument :

MSVOA_X

ClientSampleId :

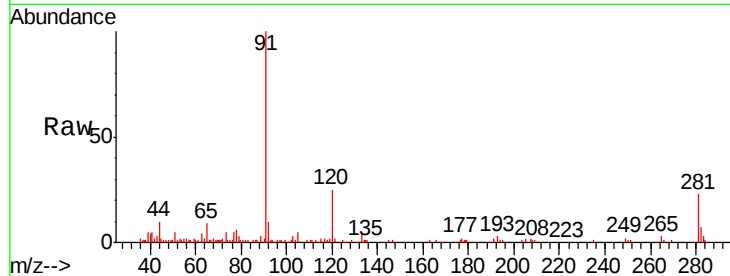
S32-0643

Tgt Ion: 91 Resp: 16275

Ion Ratio Lower Upper

91 100

120 27.8 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

15000

11000

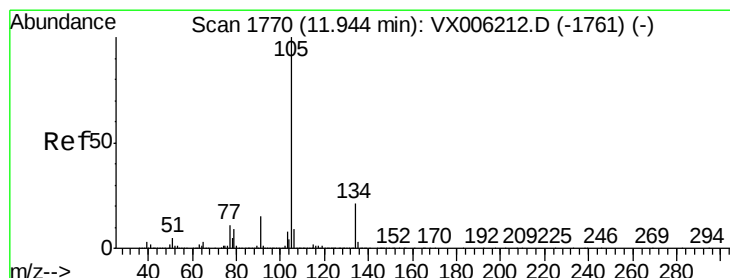
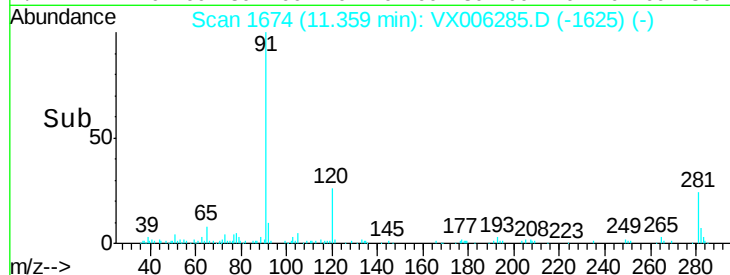
5000

0

Time-->

11.30 11.35 11.40

11.36



#85

sec-Butylbenzene

Concen: 0.346 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006285.D

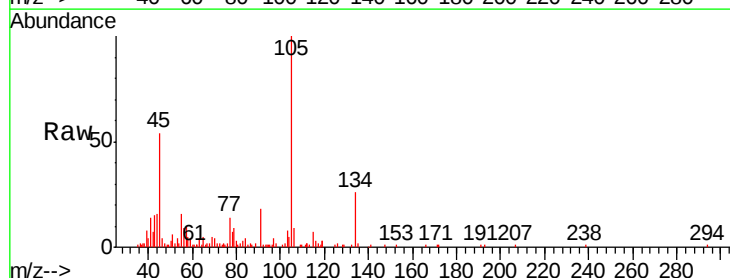
Acq: 04 Dec 2018 18:15

Tgt Ion: 105 Resp: 13451

Ion Ratio Lower Upper

105 100

134 34.2 10.8 32.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12000

10000

8000

6000

4000

2000

0

Time-->

11.90 12.00

11.94

