

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120518\
 Data File : VX006298.D
 Acq On : 05 Dec 2018 14:11
 Operator : JC/MD
 Sample : J6240-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-EB-2018-2

Quant Time: Dec 06 00:16:26 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	829953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1245017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1122907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	532274	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	412129	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
35) Dibromofluoromethane	5.50	113	392792	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
50) Toluene-d8	8.71	98	1452261	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.13	95	530419	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	

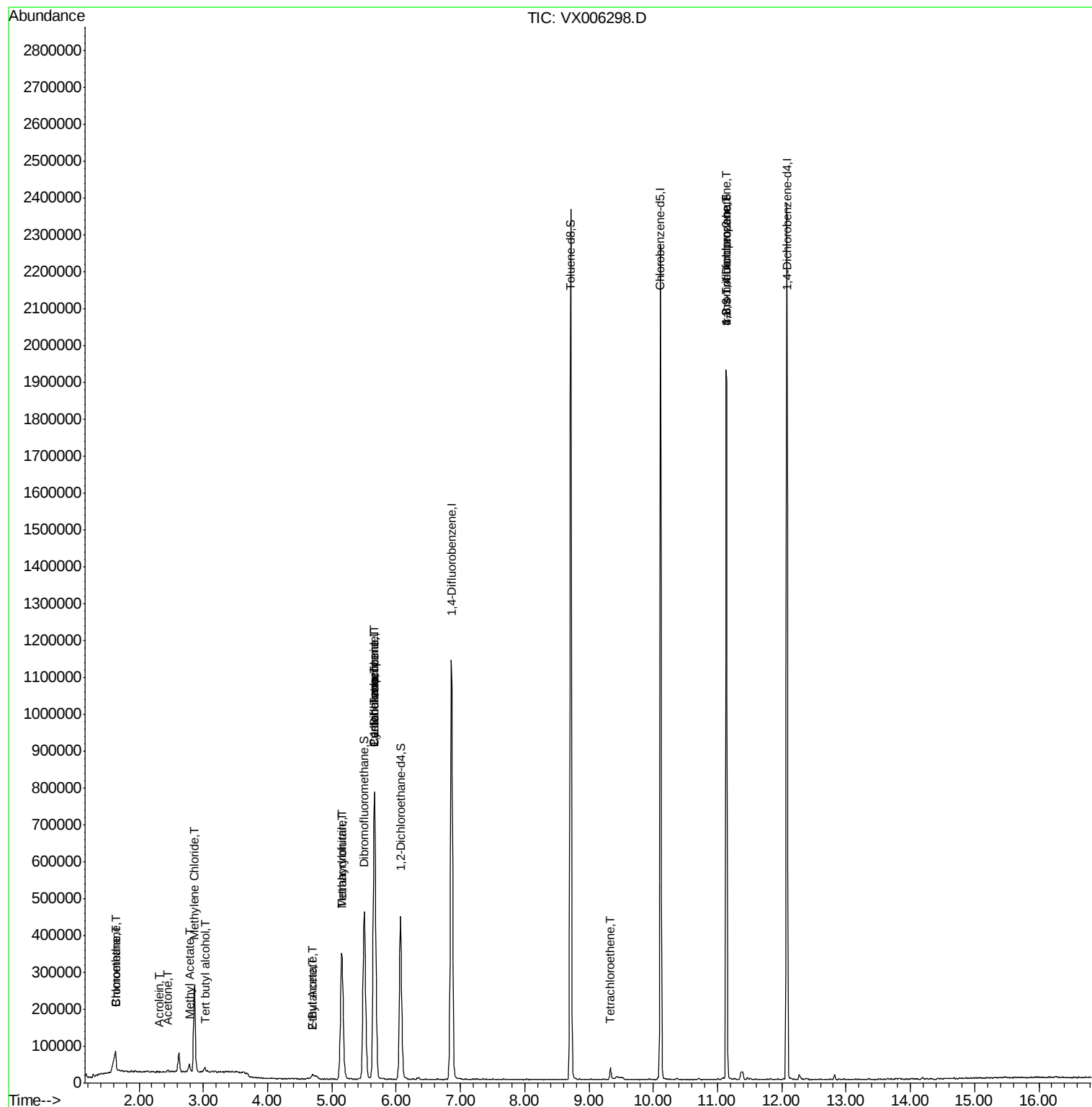
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2202	0.354	ug/l #	50
6) Chloroethane	1.64	64	4553	0.826	ug/l #	65
11) Tert butyl alcohol	3.03	59	8025	3.463	ug/l #	75
13) Acrolein	2.32	56	425	0.336	ug/l #	13
16) Acetone	2.45	43	6332	1.593	ug/l	94
18) Methyl Acetate	2.78	43	24528	1.845	ug/l	97
20) Methylene Chloride	2.86	84	109780	12.973	ug/l	95
25) 2-Butanone	4.70	43	24487	4.316	ug/l	95
29) Tetrahydrofuran	5.15	42	317956	80.639	ug/l	98
31) Cyclohexane	5.66	56	12588	1.028	ug/l #	7
36) 1,1-Dichloropropene	5.66	75	52310	4.989	ug/l #	48
37) Ethyl Acetate	4.70	43	24487	2.086	ug/l #	72
38) Carbon Tetrachloride	5.66	117	74053	6.004	ug/l #	16
41) Methacrylonitrile	5.15	41	176444	27.311	ug/l #	42
64) Tetrachloroethene	9.34	164	2177	0.257	ug/l #	79
76) 1,2,3-Trichloropropane	11.13	75	240779	23.436	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	240779	54.999	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006298.D

Acq: 05 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

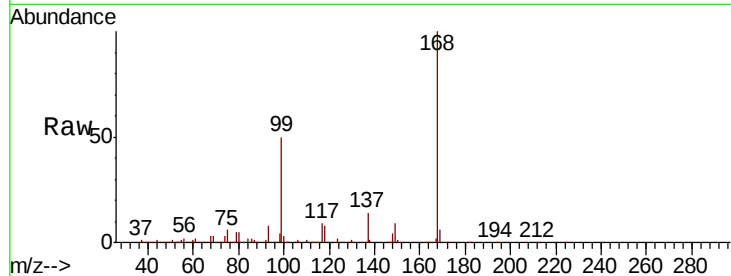
S32-EB-2018-2

Tot Ion:168 Resp: 829953

Ion Ratio Lower Upper

168 100

99 49.5 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

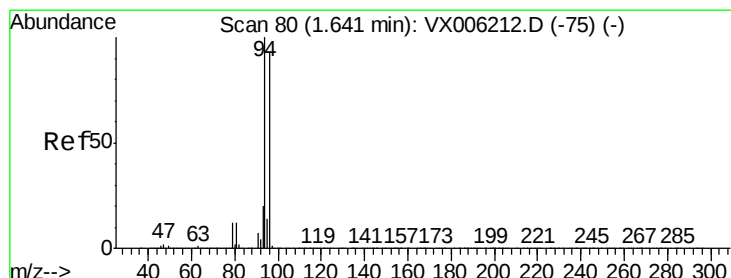
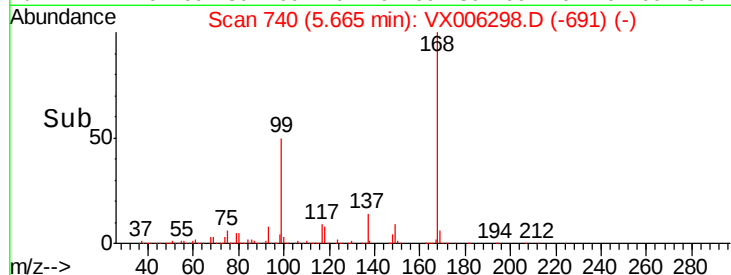
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.354 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006298.D

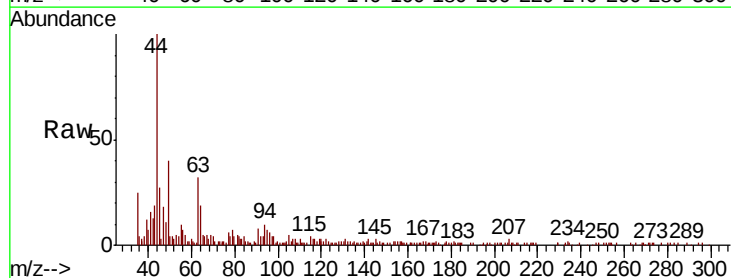
Acq: 05 Dec 2018 14:11

Tgt Ion: 94 Resp: 2202

Ion Ratio Lower Upper

94 100

96 45.1 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

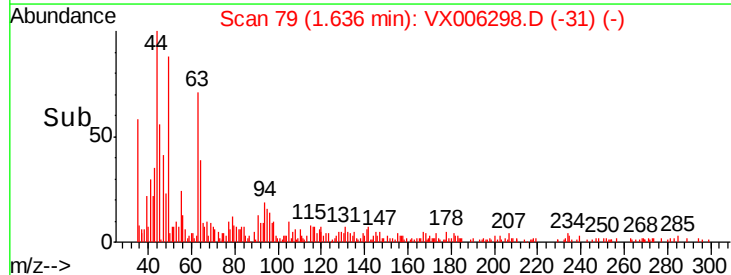
1000

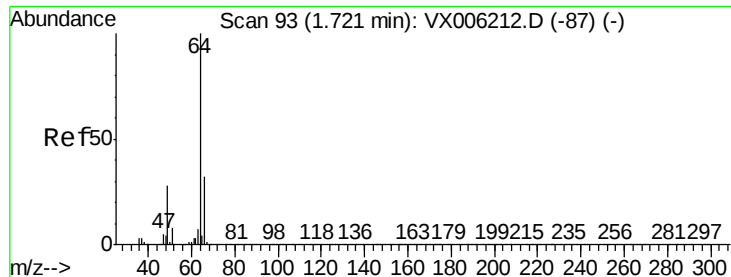
500

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.826 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.09 min

Lab File: VX006298.D

Acq: 05 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

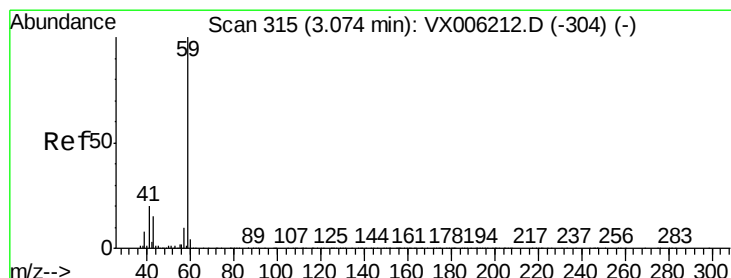
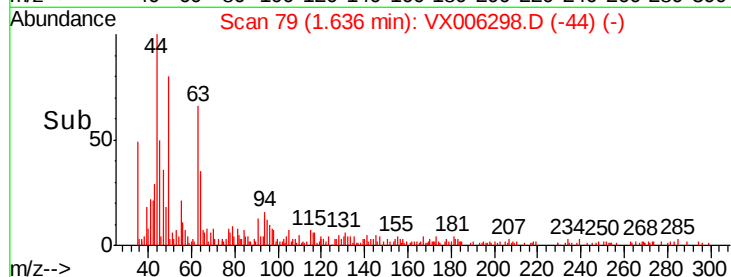
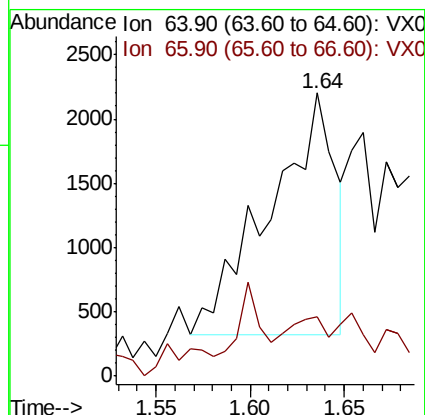
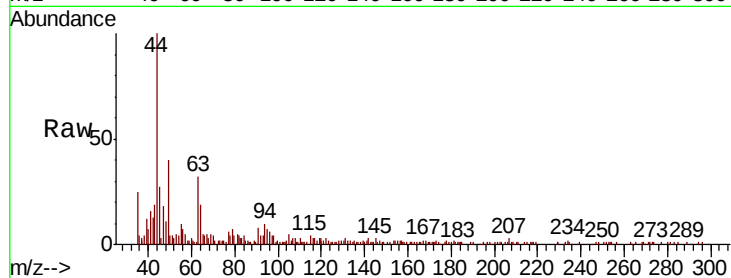
S32-EB-2018-2

Tot Ion: 64 Resp: 4553

Ion Ratio Lower Upper

64 100

66 13.0 25.9 38.9#



#11

Tert butyl alcohol

Concen: 3.463 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX006298.D

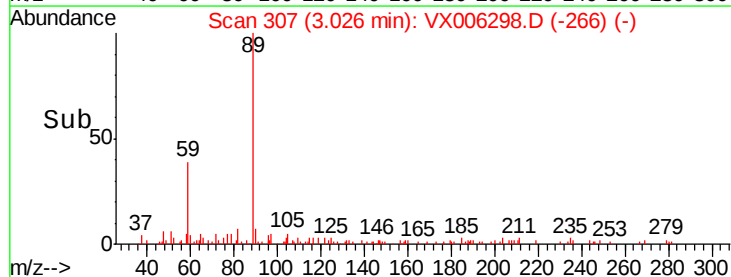
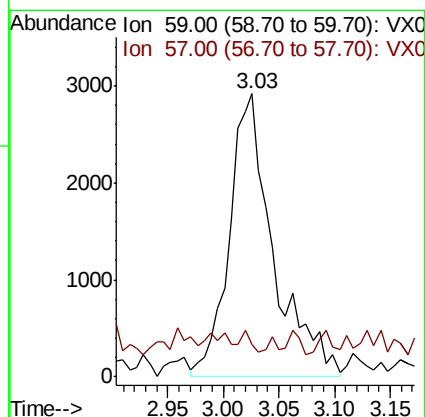
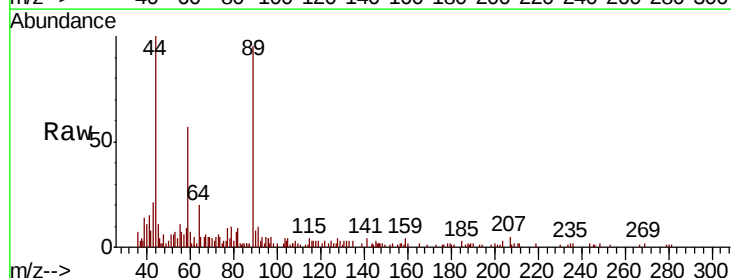
Acq: 05 Dec 2018 14:11

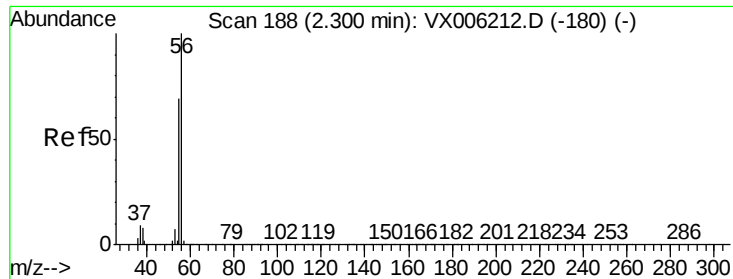
Tgt Ion: 59 Resp: 8025

Ion Ratio Lower Upper

59 100

57 1.0 8.2 12.2#

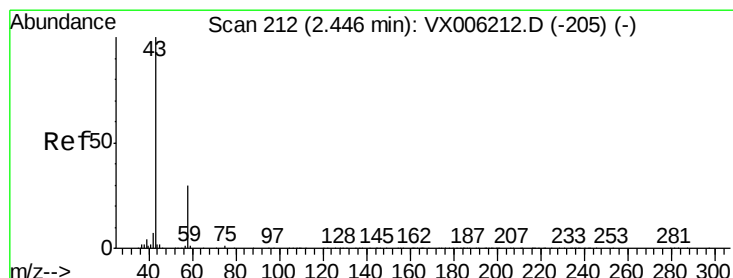
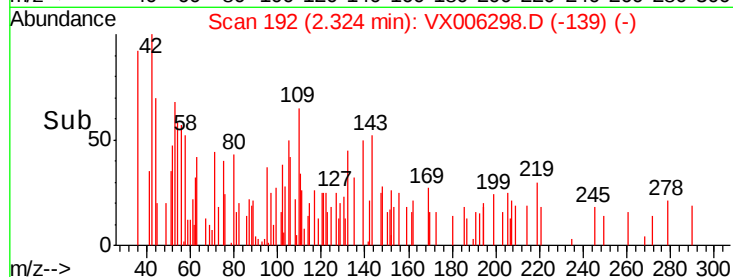
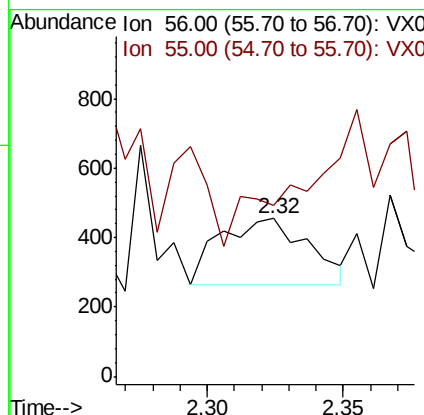
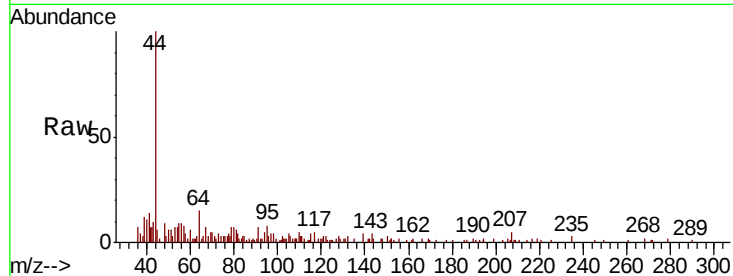




#13
Acrolein
Concen: 0.336 ug/l
RT: 2.32 min Scan# 192
Delta R.T. 0.02 min
Lab File: VX006298.D
Acq: 05 Dec 2018 14:11

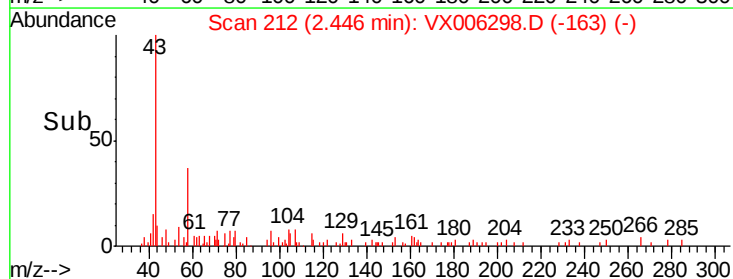
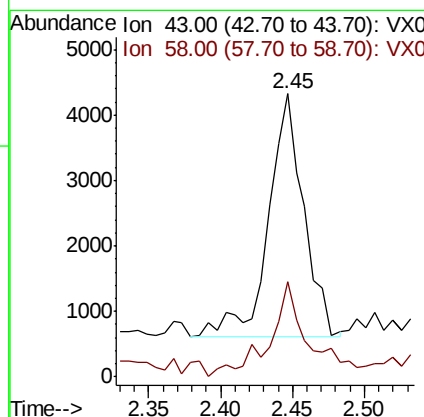
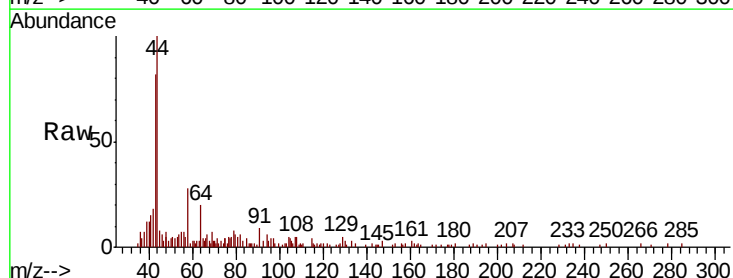
Instrument :
MSVOA_X
ClientSampleId :
S32-EB-2018-2

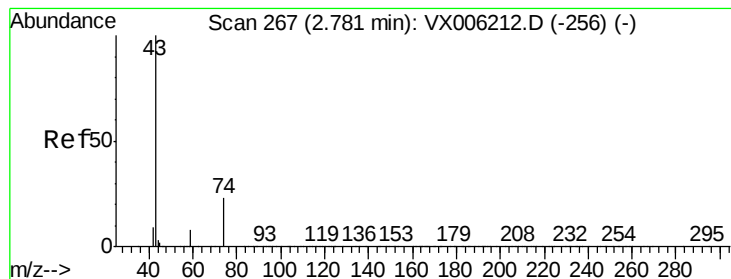
Tot Ion: 56 Resp: 425
Ion Ratio Lower Upper
56 100
55 0.0 57.8 86.6#



#16
Acetone
Concen: 1.593 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006298.D
Acq: 05 Dec 2018 14:11

Tgt Ion: 43 Resp: 6332
Ion Ratio Lower Upper
43 100
58 33.2 24.0 36.0





#18

Methyl Acetate

Concen: 1.845 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006298.D

Acq: 05 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

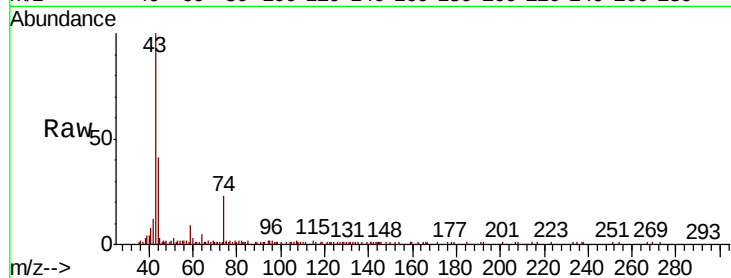
S32-EB-2018-2

Tot Ion: 43 Resp: 24528

Ion Ratio Lower Upper

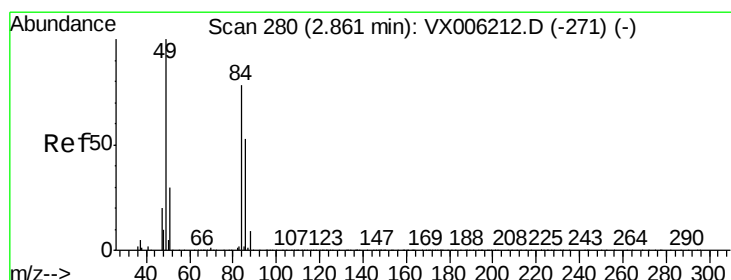
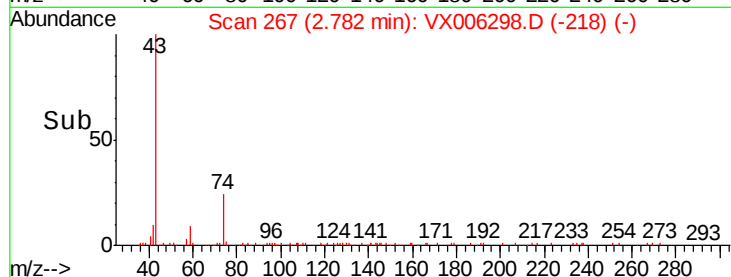
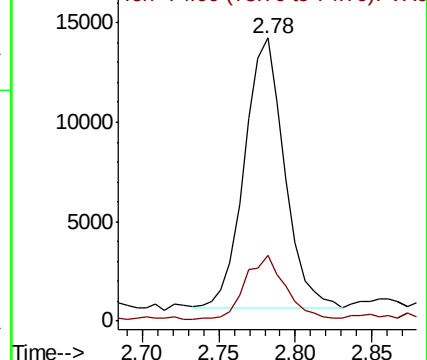
43 100

74 23.6 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 12.973 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX006298.D

Acq: 05 Dec 2018 14:11

Tgt Ion: 84 Resp: 109780

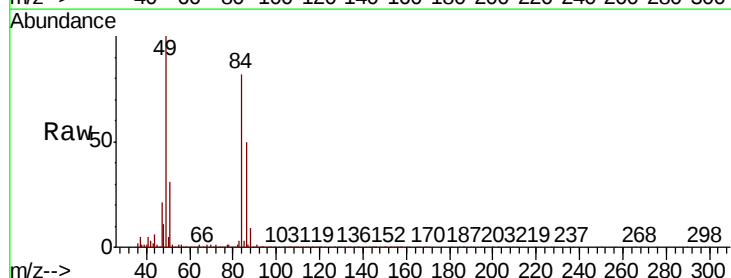
Ion Ratio Lower Upper

84 100

49 121.8 102.2 153.4

51 37.5 31.1 46.7

86 60.7 53.7 80.5

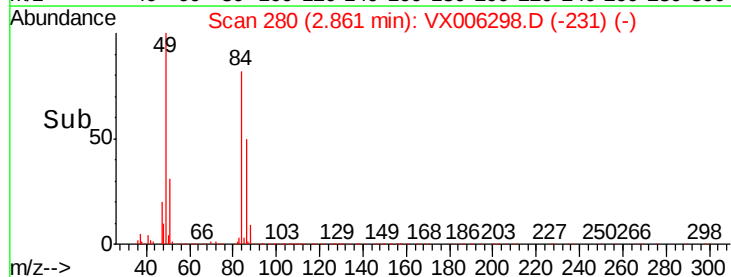
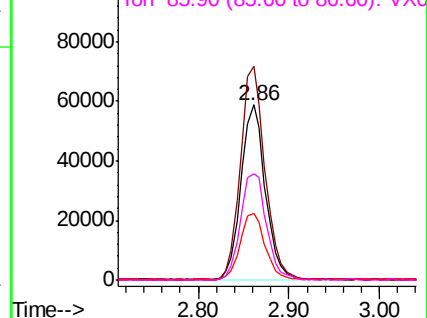


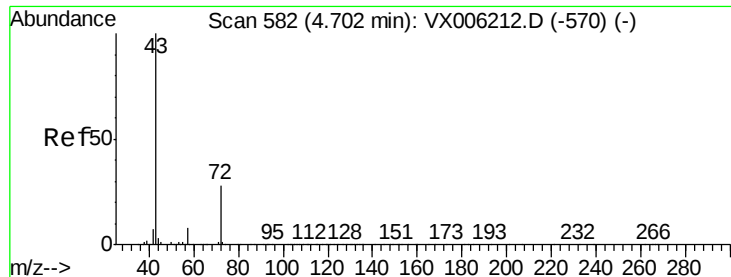
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 4.316 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006298.D

Acq: 05 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

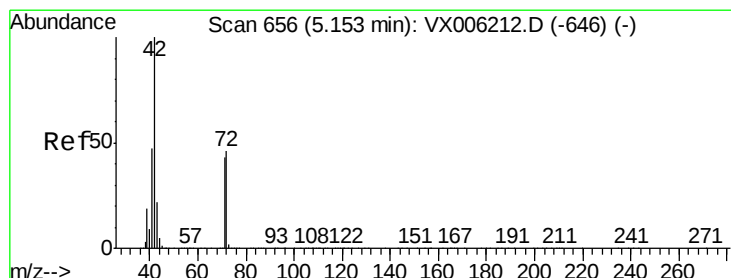
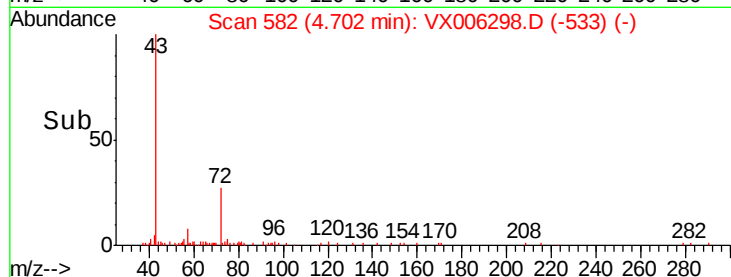
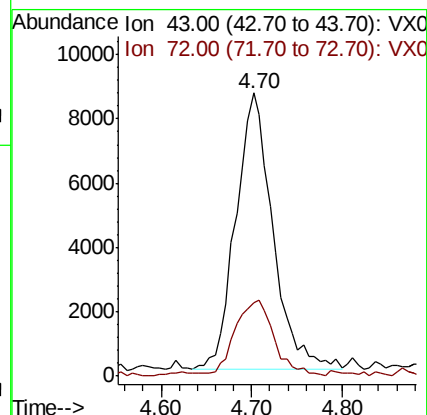
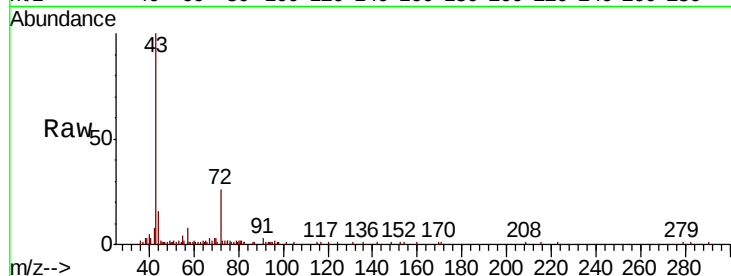
S32-EB-2018-2

Tot Ion: 43 Resp: 24487

Ion Ratio Lower Upper

43 100

72 25.7 22.6 33.8



#29

Tetrahydrofuran

Concen: 80.639 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006298.D

Acq: 05 Dec 2018 14:11

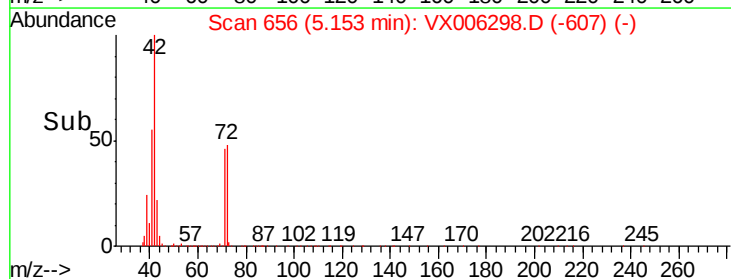
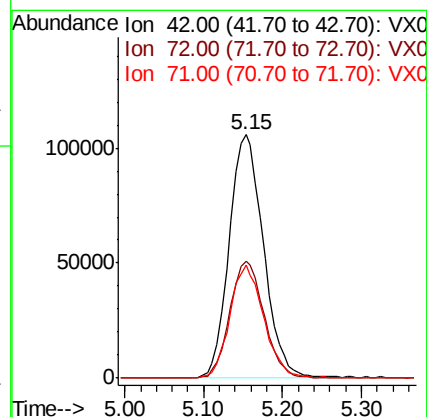
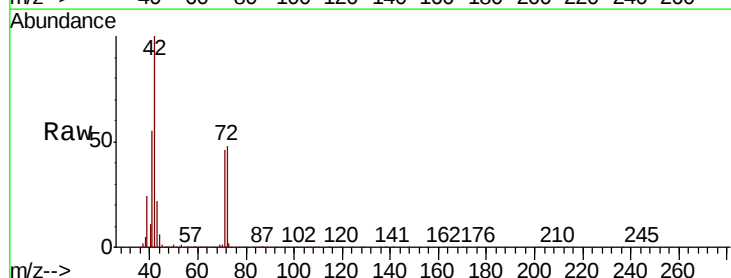
Tgt Ion: 42 Resp: 317956

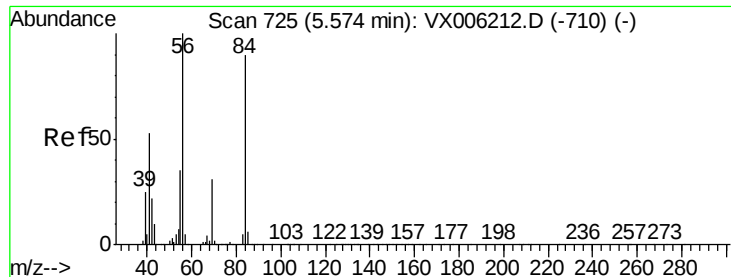
Ion Ratio Lower Upper

42 100

72 48.1 37.8 56.8

71 45.4 35.2 52.8

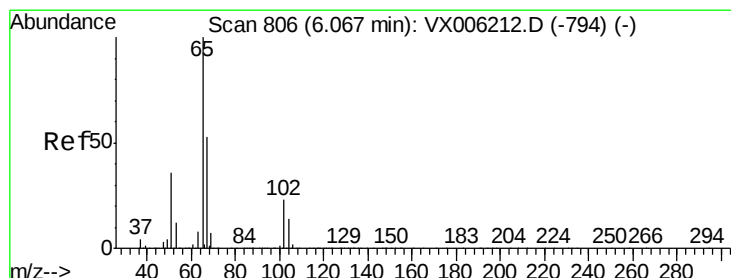
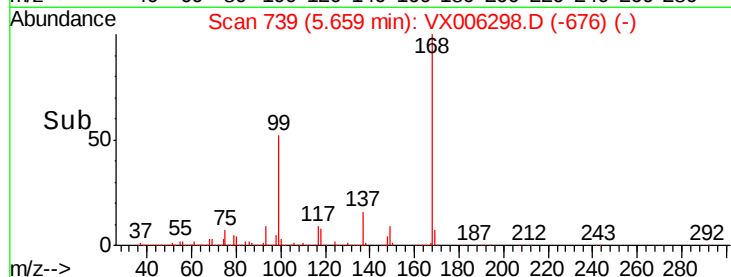
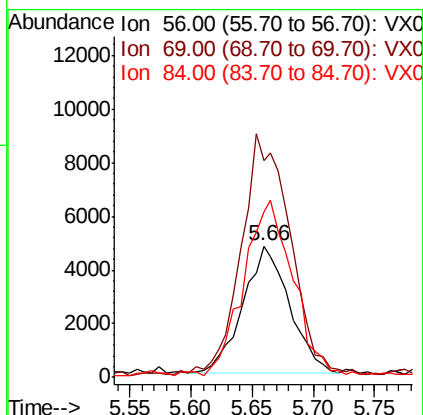
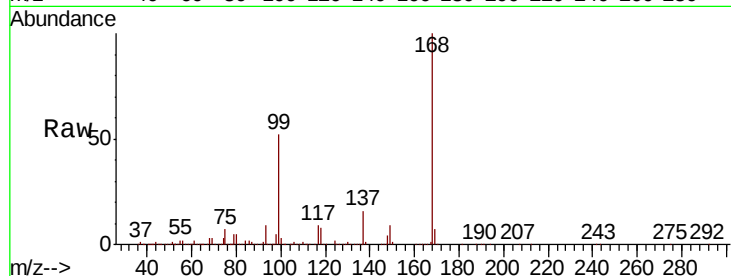




#31
Cyclohexane
Concen: 1.028 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006298.D
Acq: 05 Dec 2018 14:11

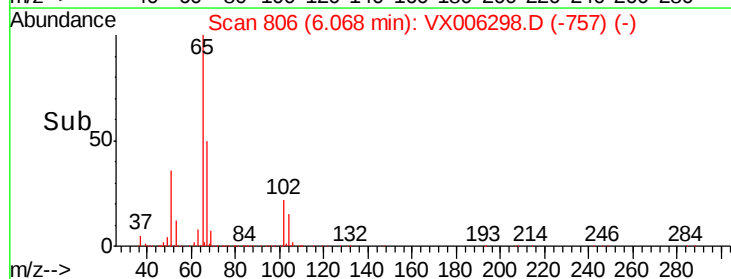
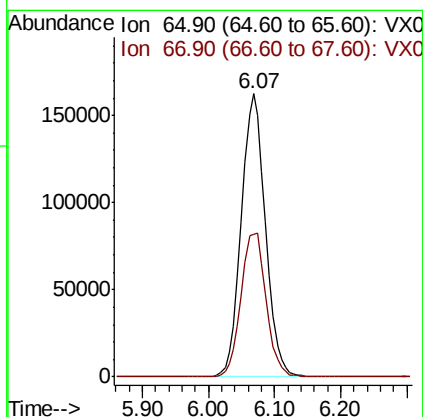
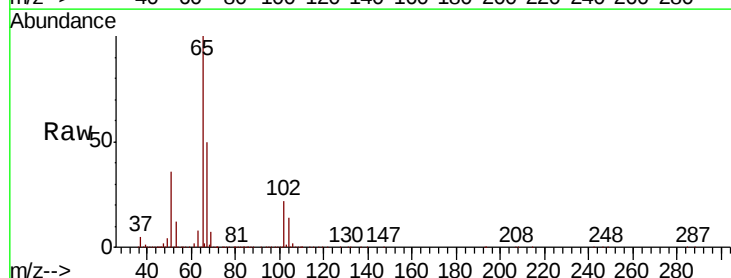
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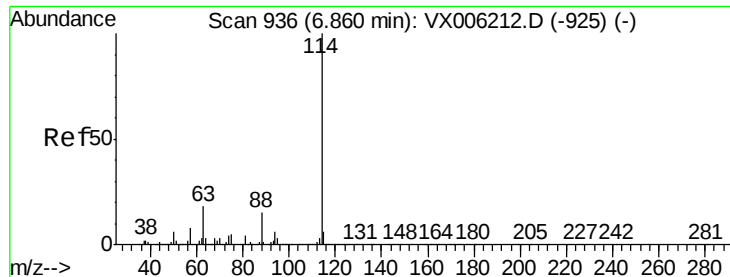
Tot Ion: 56 Resp: 12588
Ion Ratio Lower Upper
56 100
69 168.1 24.5 36.7#
84 126.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 48.643 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006298.D
Acq: 05 Dec 2018 14:11

Tgt Ion: 65 Resp: 412129
Ion Ratio Lower Upper
65 100
67 53.1 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: VX006298.D

Acq: 05 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

S32-EB-2018-2

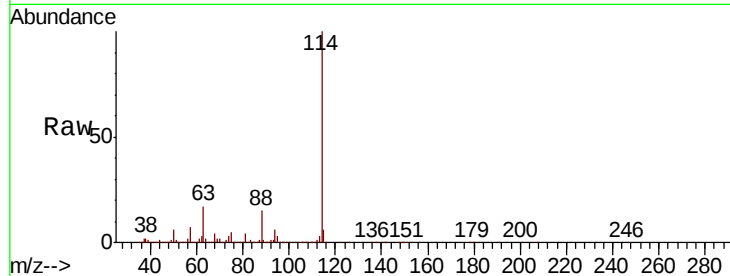
Tot Ion:114 Resp: 1245017

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

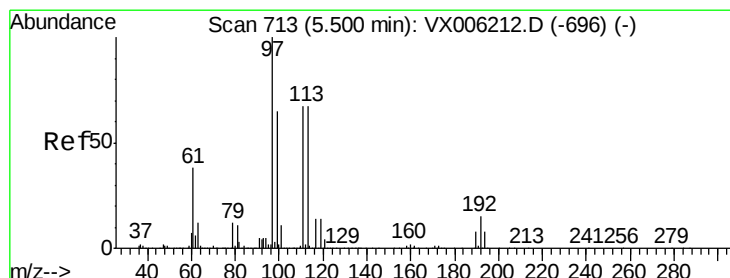
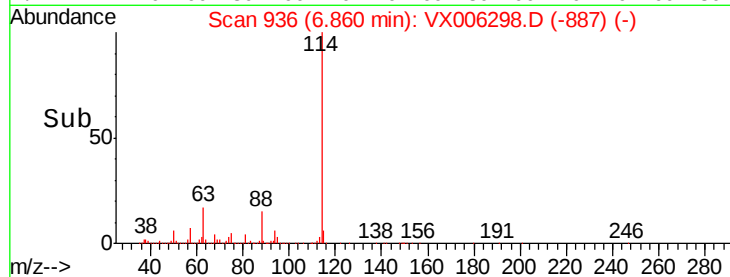
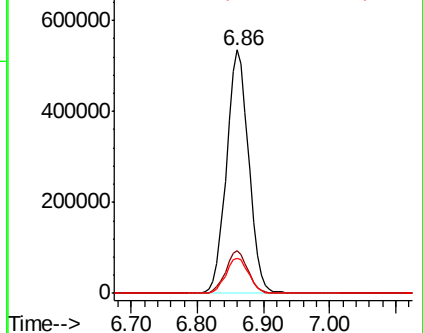
88 14.6 0.0 29.0



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: 48.727 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006298.D

Acq: 05 Dec 2018 14:11

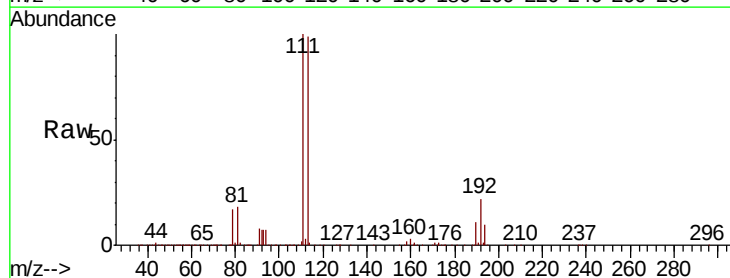
Tgt Ion:113 Resp: 392792

Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

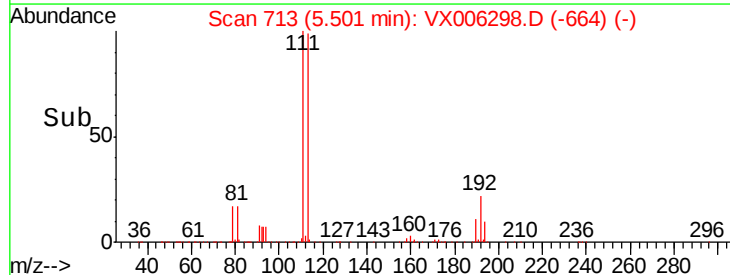
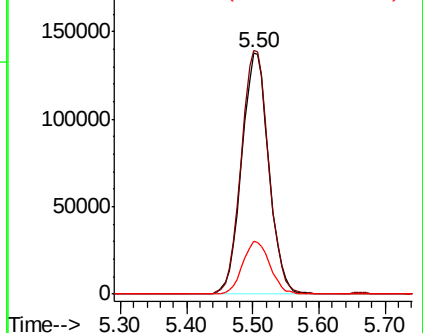
192 22.1 18.2 27.2

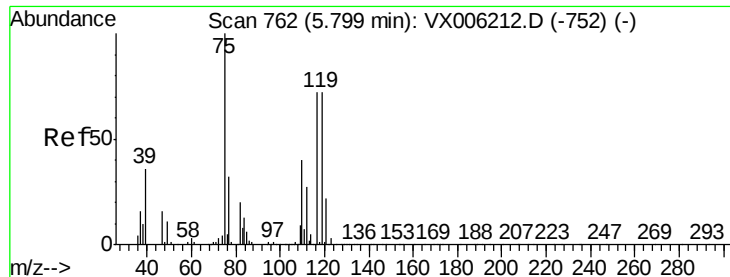


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

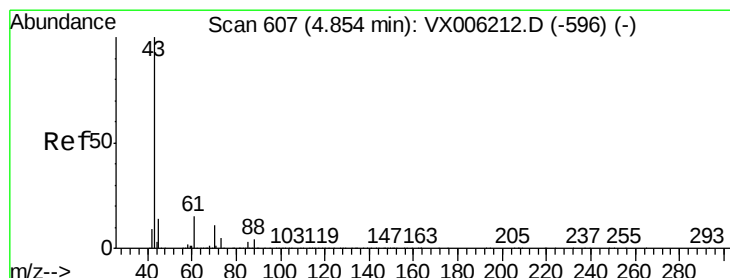
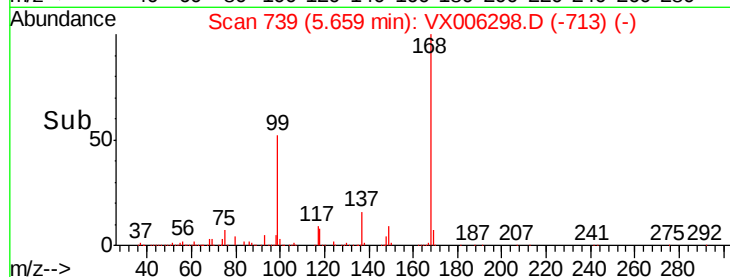
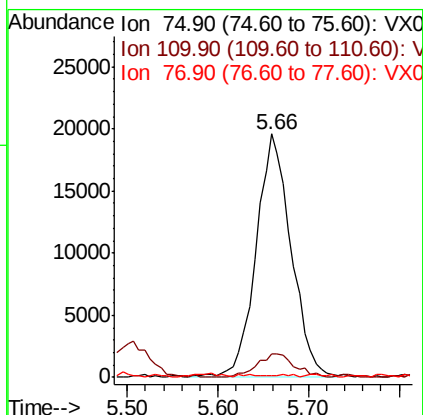
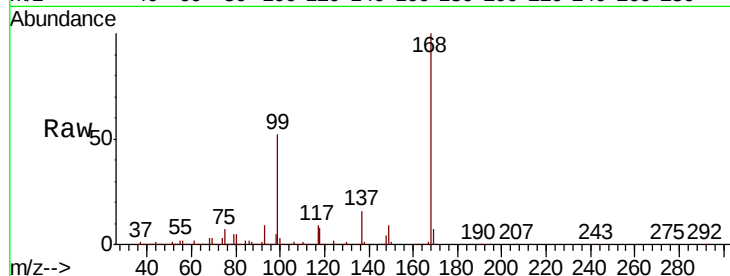




#36
 1,1-Dichloropropene
 Concen: 4.989 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006298.D
 Acq: 05 Dec 2018 14:11

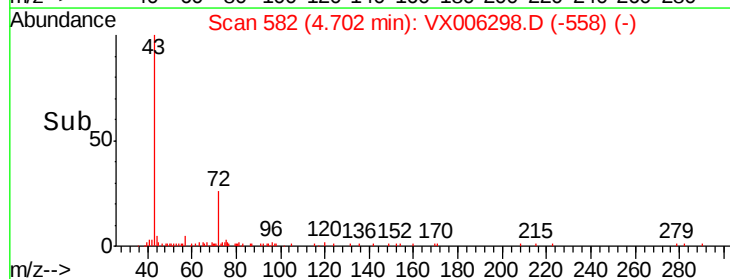
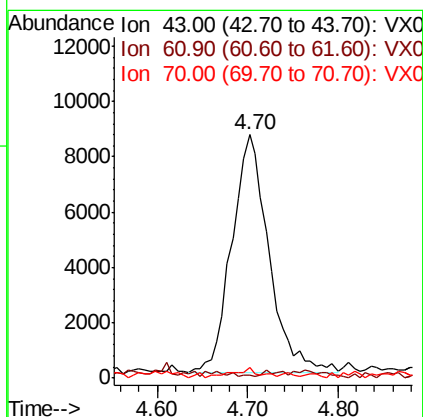
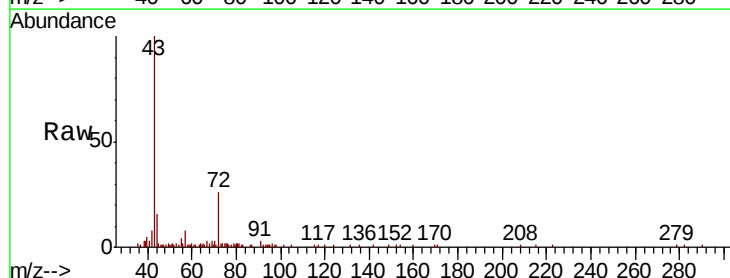
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-EB-2018-2

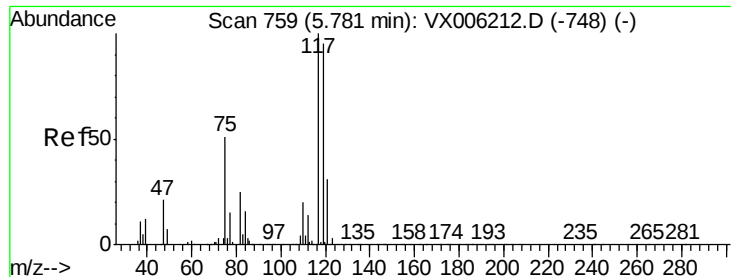
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	20.4	61.3#
77	0.2	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 2.086 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. -0.15 min
 Lab File: VX006298.D
 Acq: 05 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.6	11.5	17.3#
70	3.3	9.0	13.6#

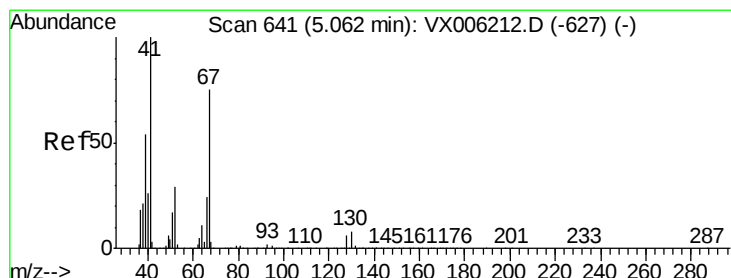
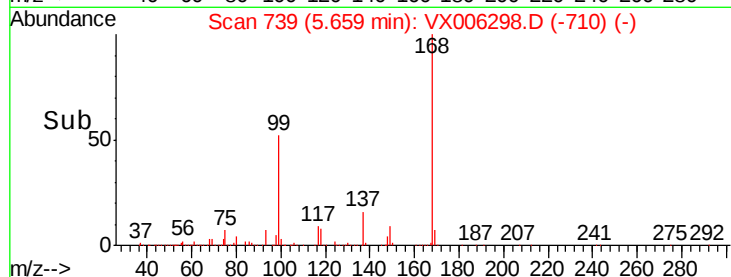
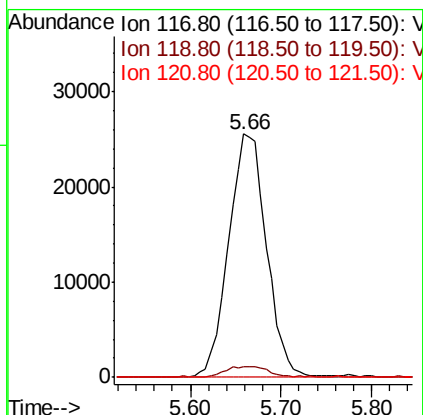
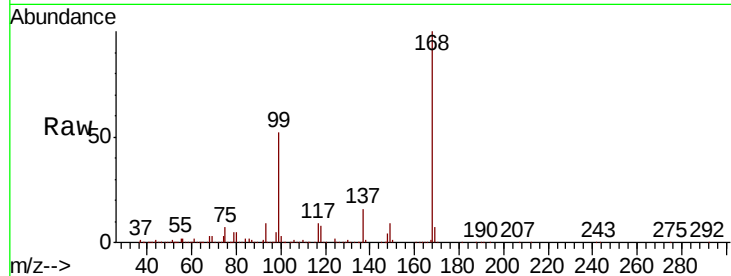




#38
Carbon Tetrachloride
Concen: 6.004 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX006298.D
Acq: 05 Dec 2018 14:11

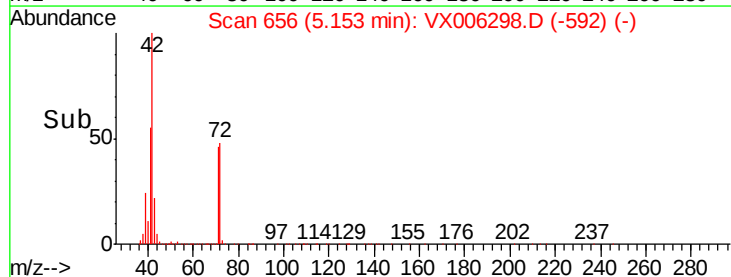
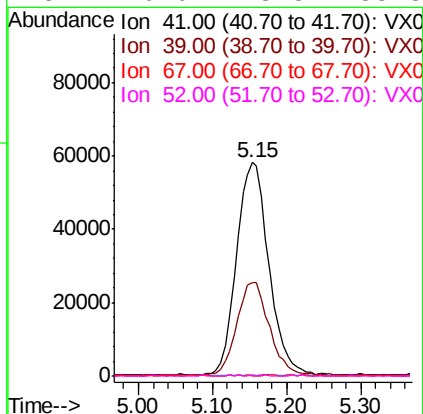
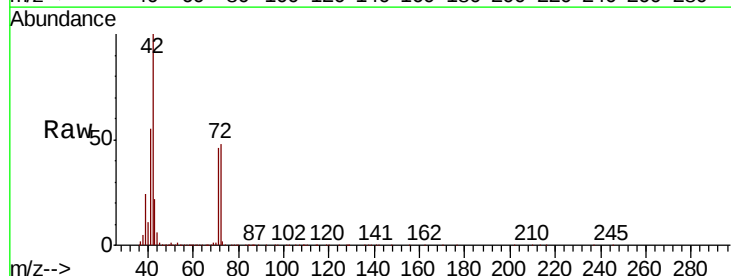
Instrument :
MSVOA_X
ClientSampleId :
S32-EB-2018-2

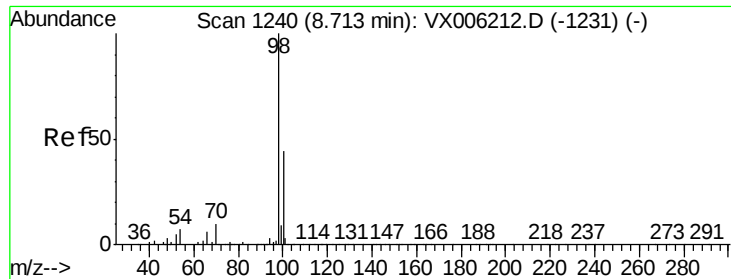
Tot Ion:117 Resp: 74053
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 27.311 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.09 min
Lab File: VX006298.D
Acq: 05 Dec 2018 14:11

Tgt Ion: 41 Resp: 176444
Ion Ratio Lower Upper
41 100
39 43.2 44.0 66.0#
67 0.0 61.4 92.0#
52 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 49.529 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006298.D

Acq: 05 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

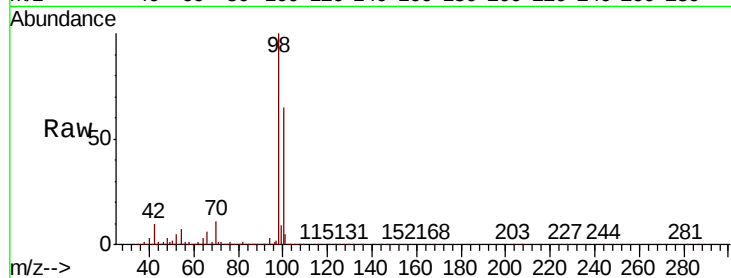
S32-EB-2018-2

Tot Ion: 98 Resp: 1452261

Ion Ratio Lower Upper

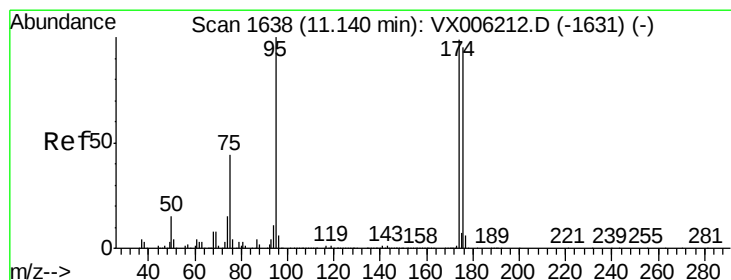
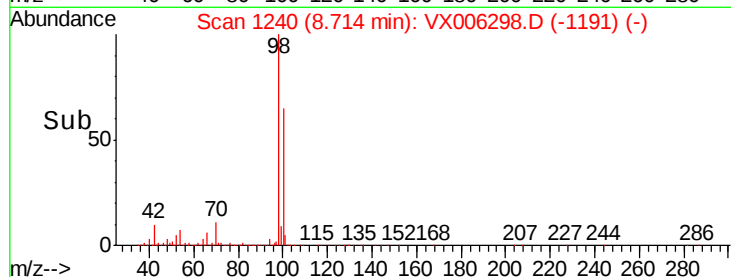
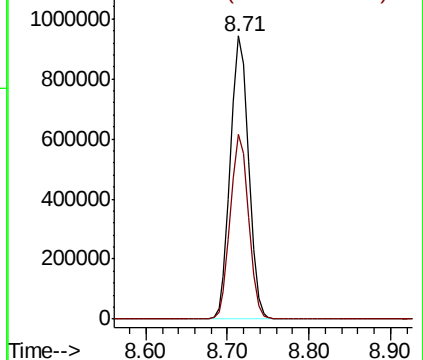
98 100

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



#62

4-Bromofluorobenzene

Concen: 48.006 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006298.D

Acq: 05 Dec 2018 14:11

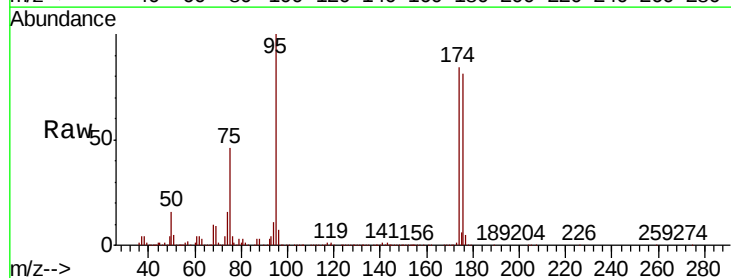
Tgt Ion: 95 Resp: 530419

Ion Ratio Lower Upper

95 100

174 89.1 0.0 187.0

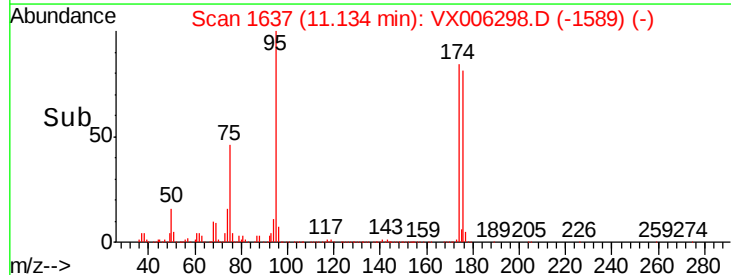
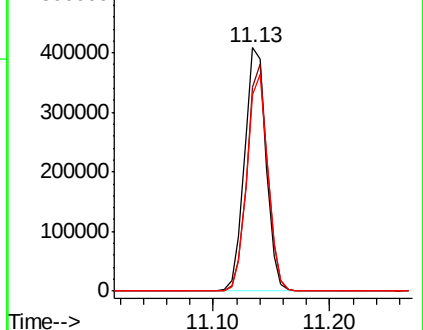
176 86.8 0.0 181.8

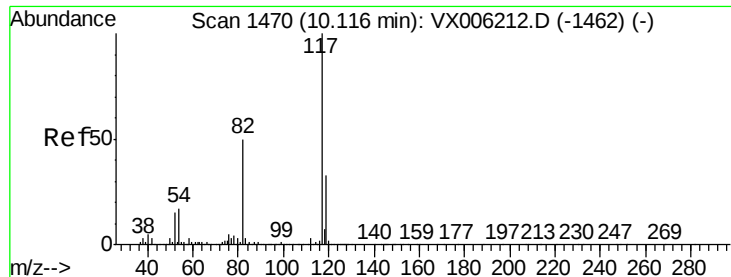


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

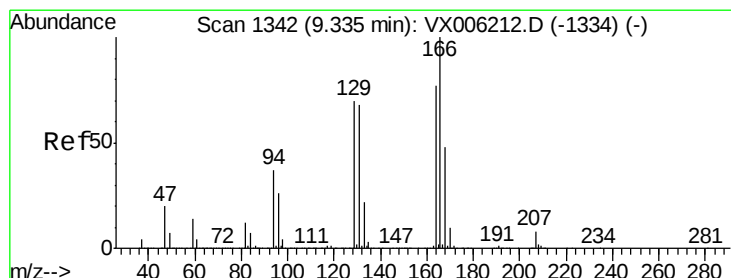
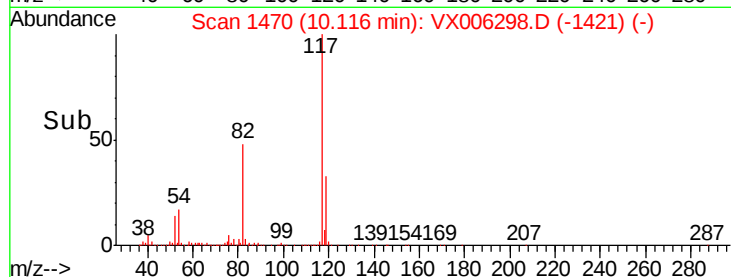
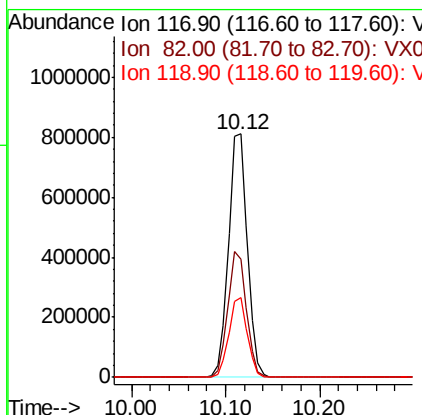
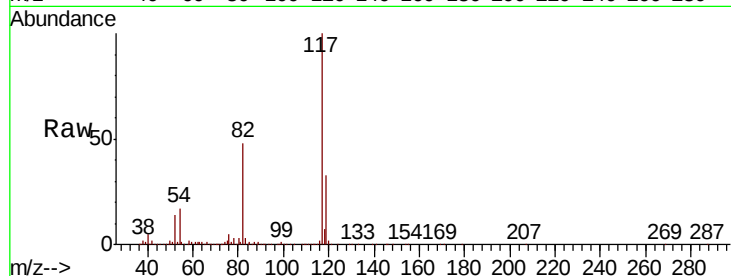




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006298.D
Acq: 05 Dec 2018 14:11

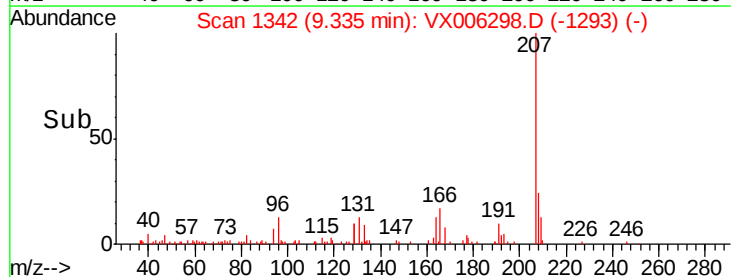
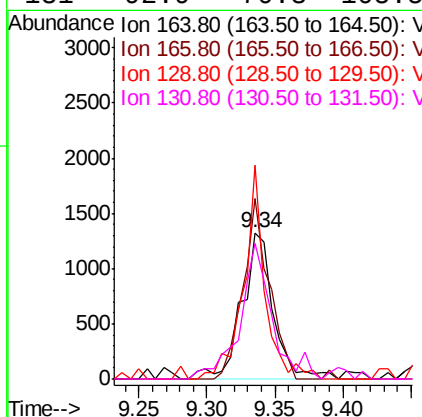
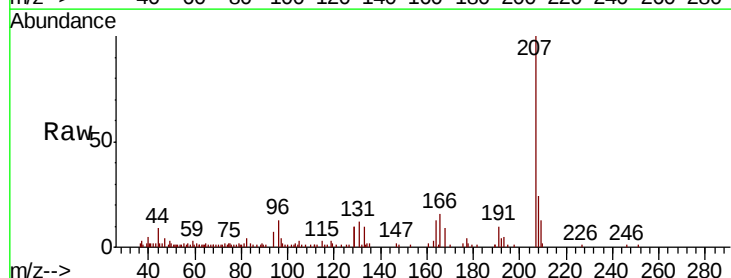
Instrument :
MSVOA_X
ClientSampleId :
S32-EB-2018-2

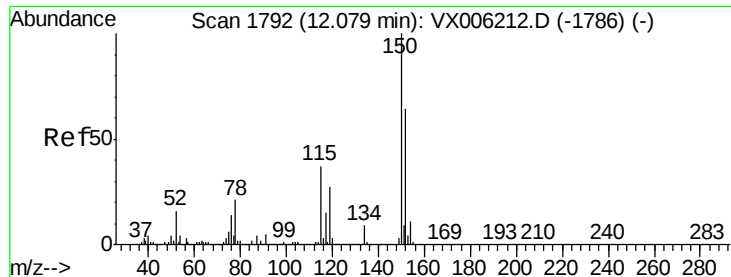
Tot Ion:117 Resp: 1122907
Ion Ratio Lower Upper
117 100
82 48.5 39.6 59.4
119 32.5 26.3 39.5



#64
Tetrachloroethene
Concen: 0.257 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006298.D
Acq: 05 Dec 2018 14:11

Tgt Ion:164 Resp: 2177
Ion Ratio Lower Upper
164 100
166 123.3 104.2 156.2
129 145.9 72.6 108.8#
131 92.9 70.3 105.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006298.D

Acq: 05 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

S32-EB-2018-2

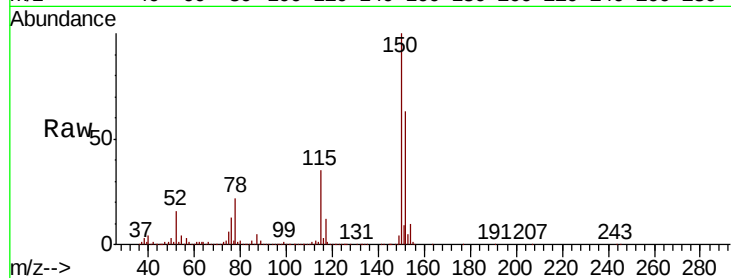
Tot Ion:152 Resp: 532274

Ion Ratio Lower Upper

152 100

115 55.9 39.0 116.9

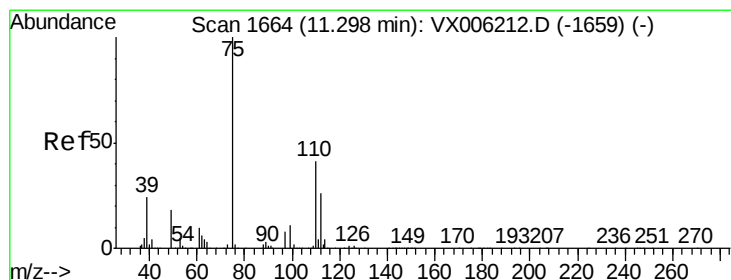
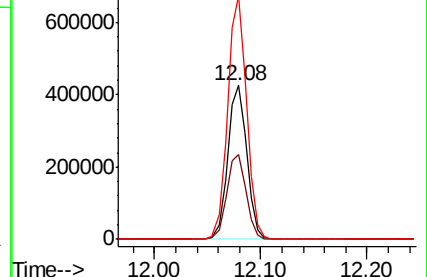
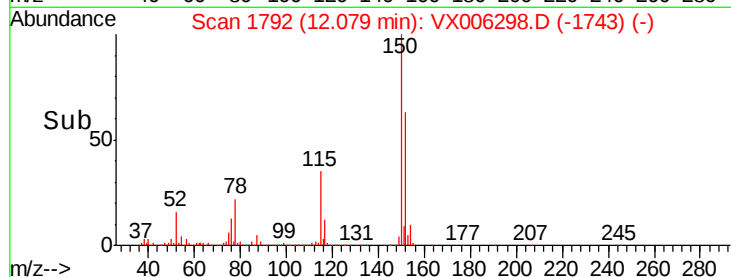
150 156.7 0.0 345.8



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



#76

1,2,3-Trichloropropane

Concen: 23.436 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006298.D

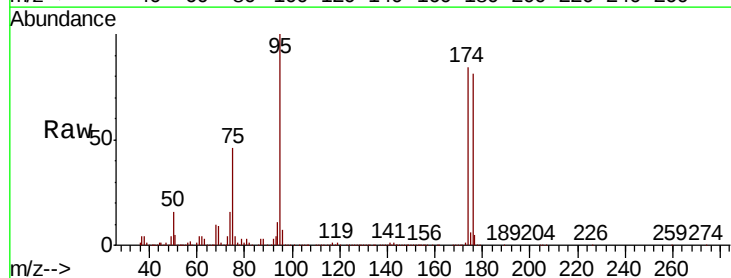
Acq: 05 Dec 2018 14:11

Tgt Ion: 75 Resp: 240779

Ion Ratio Lower Upper

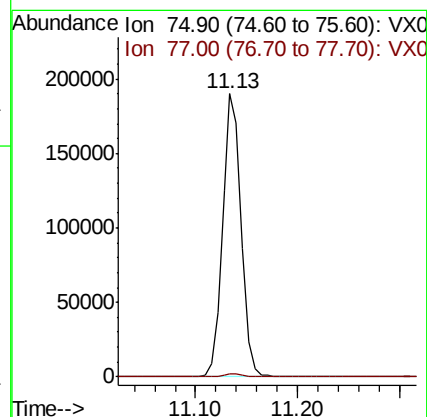
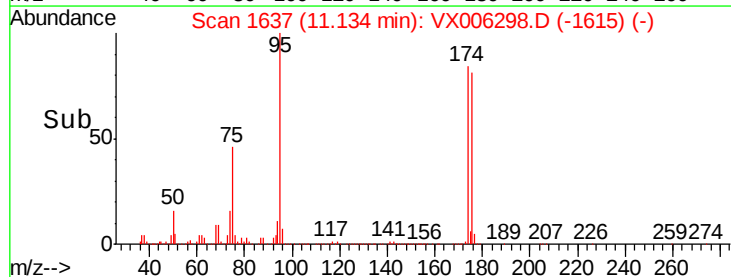
75 100

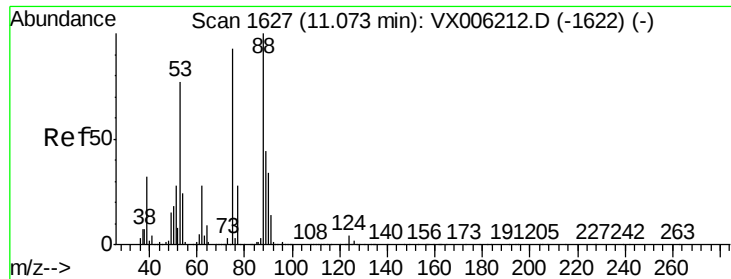
77 1.3 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.999 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006298.D

Acq: 05 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

S32-EB-2018-2

Tot Ion: 75 Resp: 240779

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.1 44.2 66.4#

