

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120418\
 Data File : VX006279.D
 Acq On : 04 Dec 2018 15:35
 Operator : JC/MD
 Sample : J6232-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-TB-2018-4

Quant Time: Dec 05 00:30:35 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	829314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1258176	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1147120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	556235	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	414357	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
35) Dibromofluoromethane	5.50	113	397358	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	8.71	98	1470280	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.13	95	542848	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	

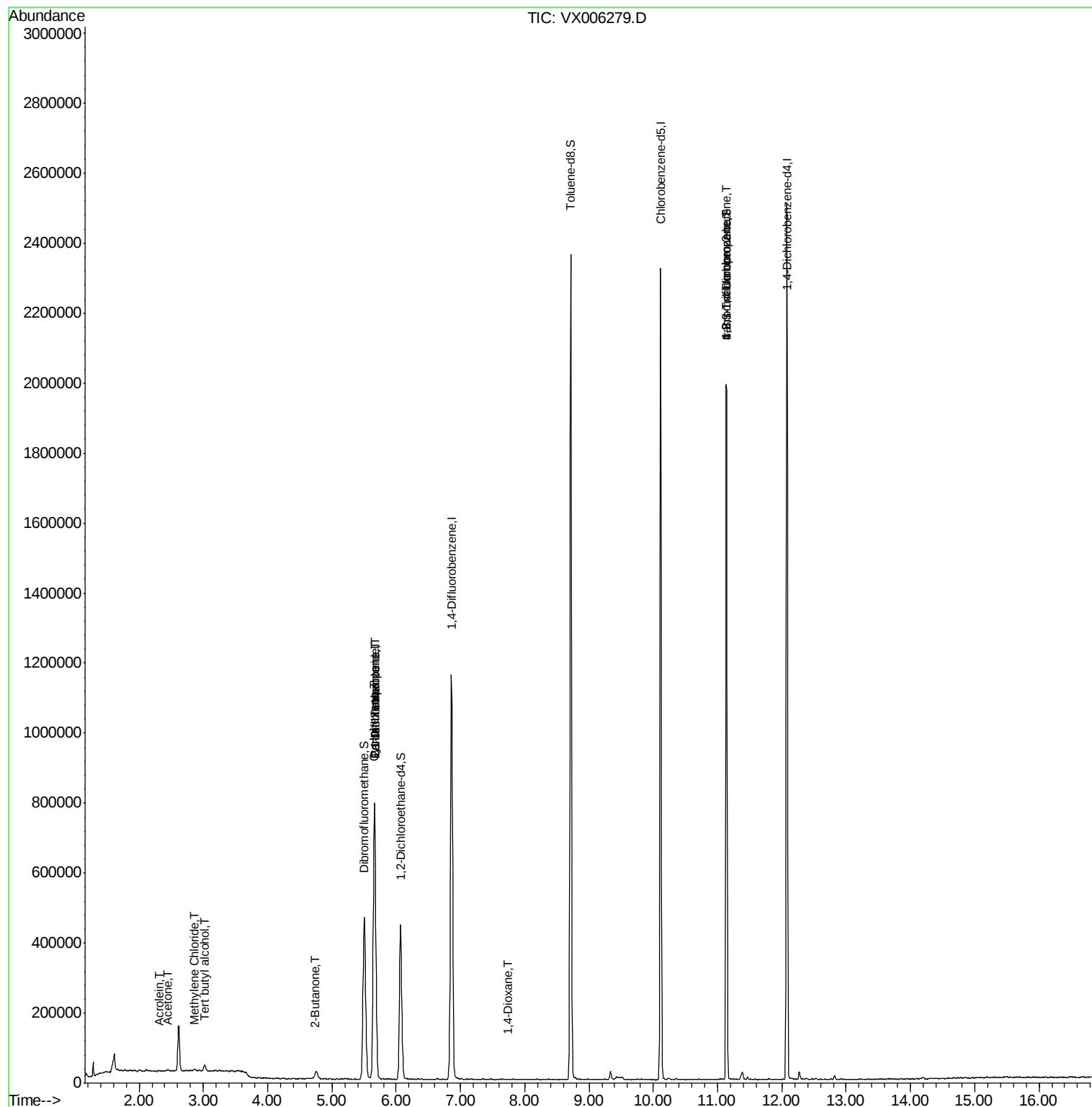
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	11273	4.869	ug/l #	80
13) Acrolein	2.31	56	689	0.544	ug/l #	75
16) Acetone	2.44	43	5340	1.344	ug/l #	75
20) Methylene Chloride	2.86	84	2735	0.323	ug/l	87
25) 2-Butanone	4.74	43	1320	0.233	ug/l #	47
31) Cyclohexane	5.65	56	13621	1.114	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	51859	4.895	ug/l #	48
38) Carbon Tetrachloride	5.66	117	75350	6.045	ug/l #	16
49) 1,4-Dioxane	7.75	88	52	0.219	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	249100	23.202	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	249100	54.448	ug/l #	15

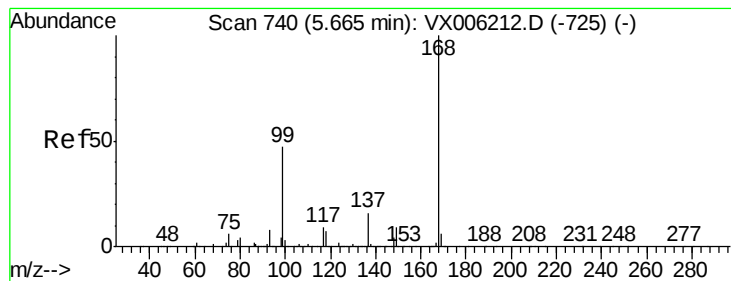
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006279.D

Acq: 04 Dec 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

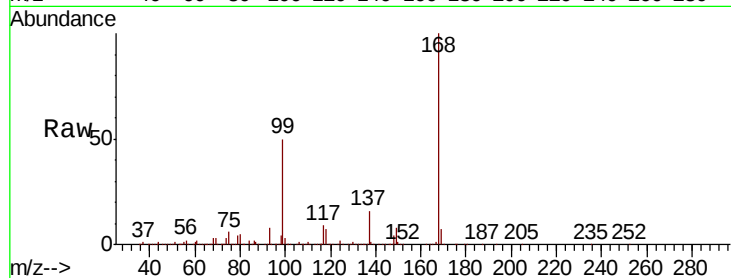
S32-TB-2018-4

Tot Ion:168 Resp: 829314

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

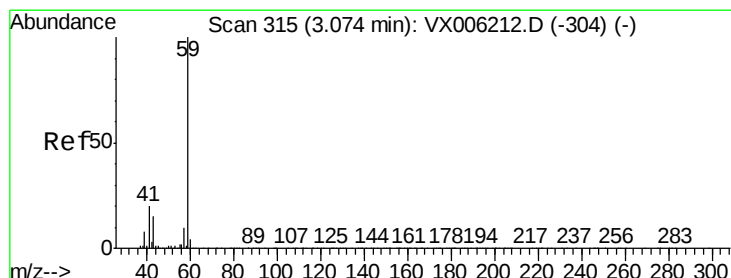
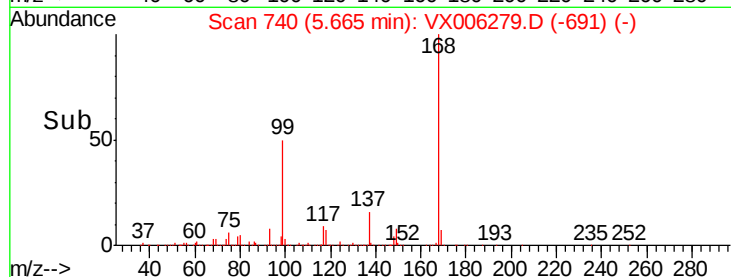
300000

200000

100000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 4.869 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX006279.D

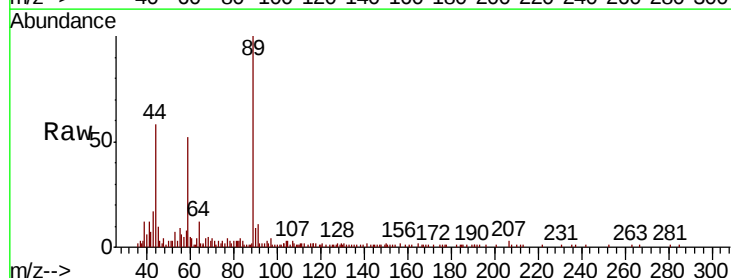
Acq: 04 Dec 2018 15:35

Tgt Ion: 59 Resp: 11273

Ion Ratio Lower Upper

59 100

57 2.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

5000

4000

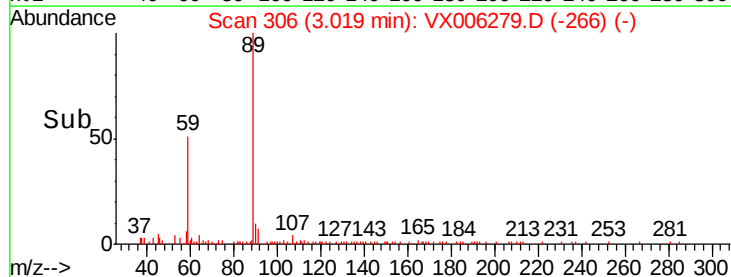
3000

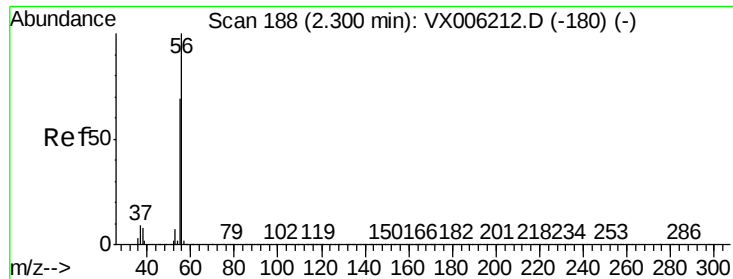
2000

1000

0

Time--> 2.90 3.00 3.10





#13

Acrolein

Concen: 0.544 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX006279.D

Acq: 04 Dec 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

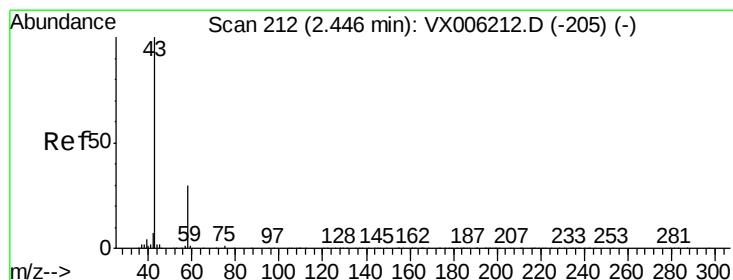
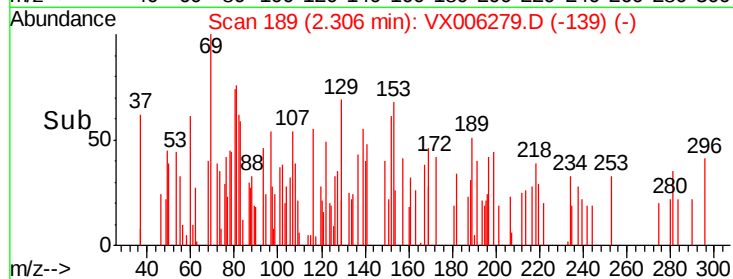
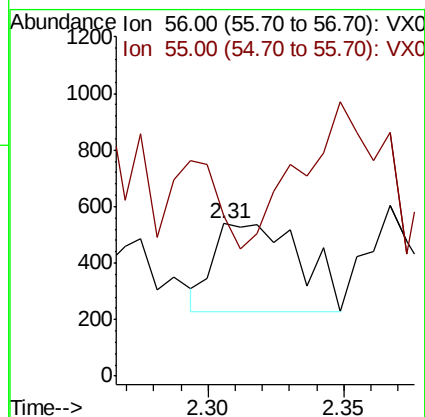
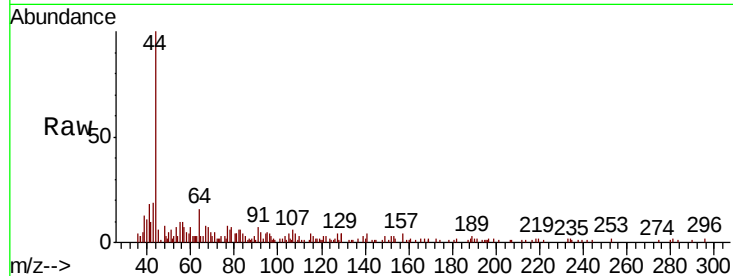
S32-TB-2018-4

Tot Ion: 56 Resp: 689

Ion Ratio Lower Upper

56 100

55 51.7 57.8 86.6#



#16

Acetone

Concen: 1.344 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006279.D

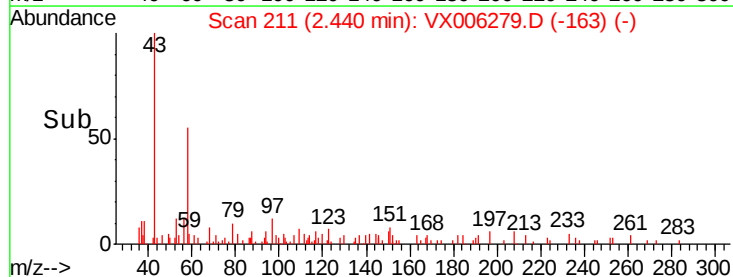
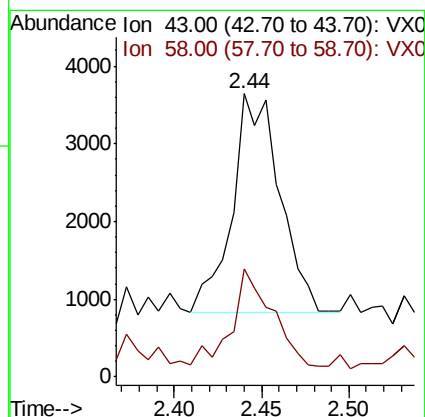
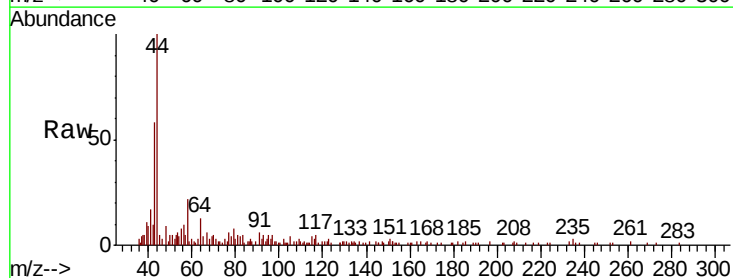
Acq: 04 Dec 2018 15:35

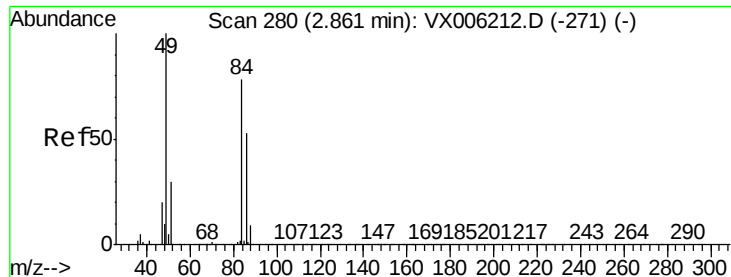
Tgt Ion: 43 Resp: 5340

Ion Ratio Lower Upper

43 100

58 43.4 24.0 36.0#





#20

Methylene Chloride

Concen: 0.323 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX006279.D

Acq: 04 Dec 2018 15:35

Instrument :

MSVOA_X

ClientSampled :

S32-TB-2018-4

Tot Ion: 84 Resp: 2735

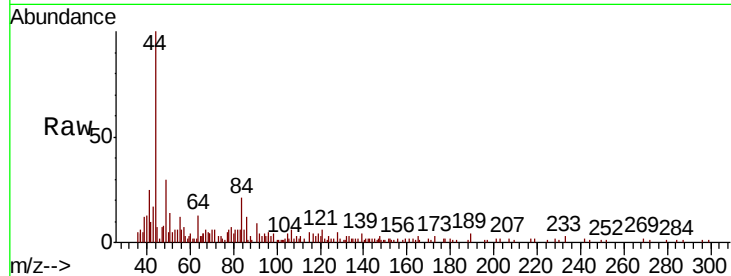
Ion Ratio Lower Upper

84 100

49 146.6 102.2 153.4

51 38.6 31.1 46.7

86 56.4 53.7 80.5

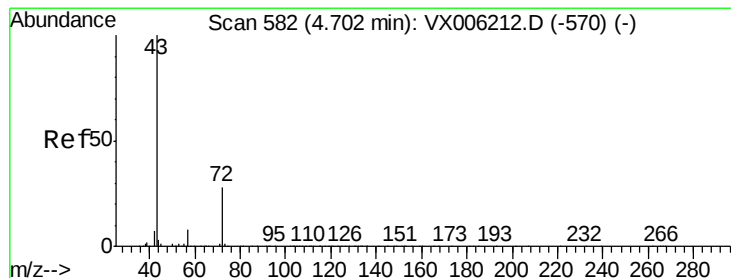
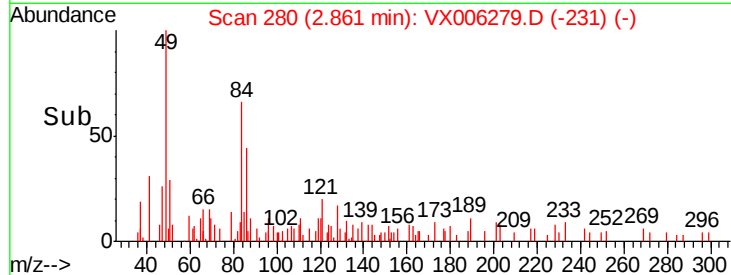
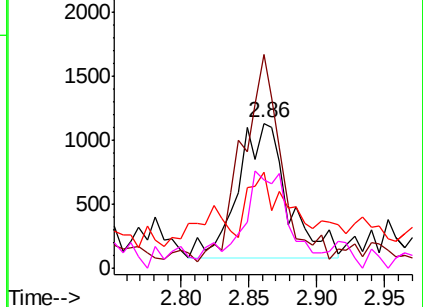


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.233 ug/l

RT: 4.74 min Scan# 588

Delta R.T. 0.04 min

Lab File: VX006279.D

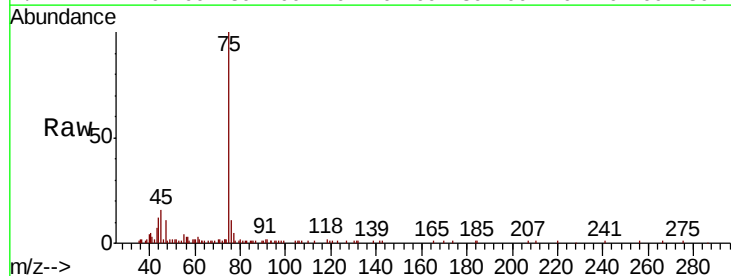
Acq: 04 Dec 2018 15:35

Tgt Ion: 43 Resp: 1320

Ion Ratio Lower Upper

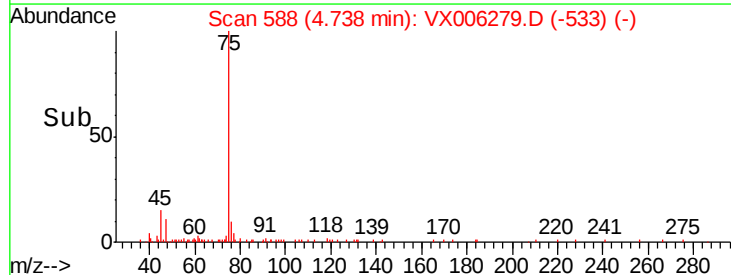
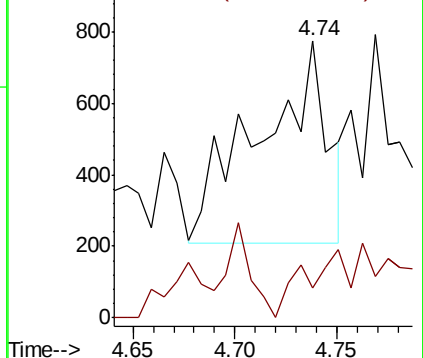
43 100

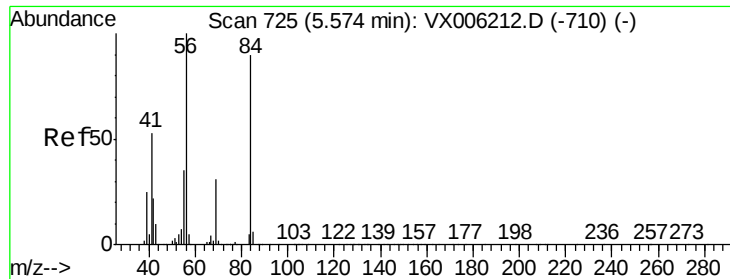
72 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

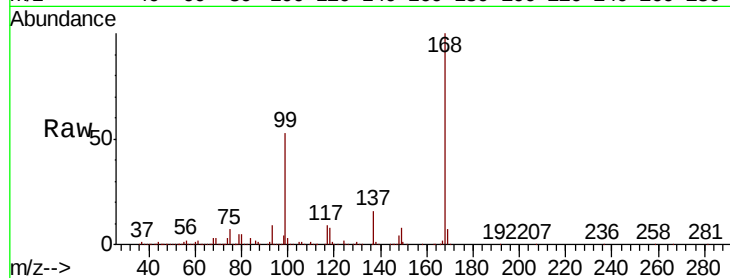




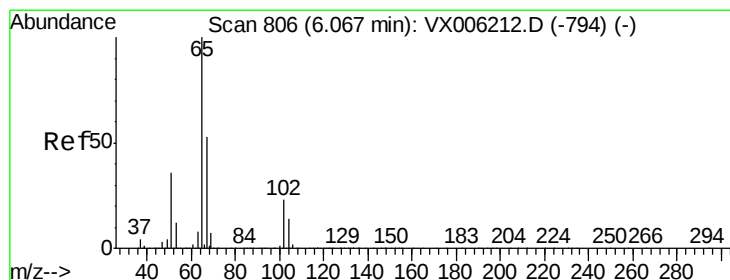
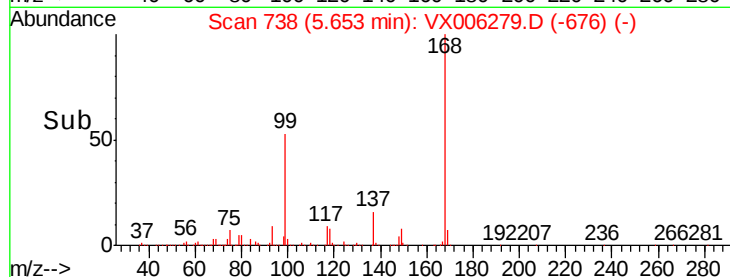
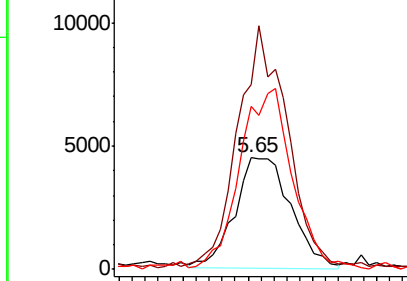
#31
Cyclohexane
Concen: 1.114 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX006279.D
Acq: 04 Dec 2018 15:35

Instrument :
MSVOA_X
ClientSampled :
S32-TB-2018-4

Tot Ion: 56 Resp: 13621
Ion Ratio Lower Upper
56 100
69 166.6 24.5 36.7#
84 149.8 71.8 107.6#

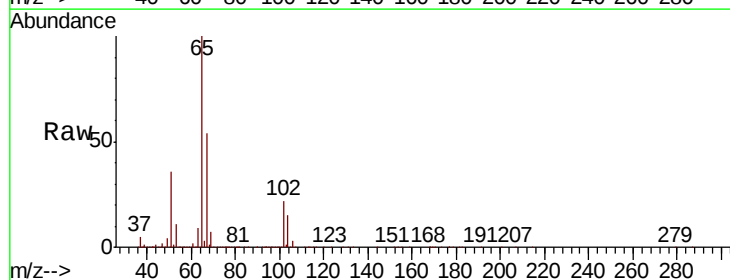


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

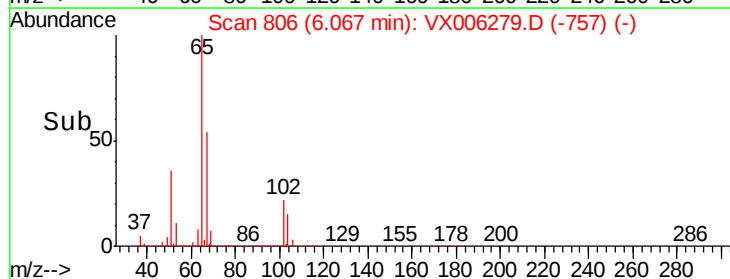
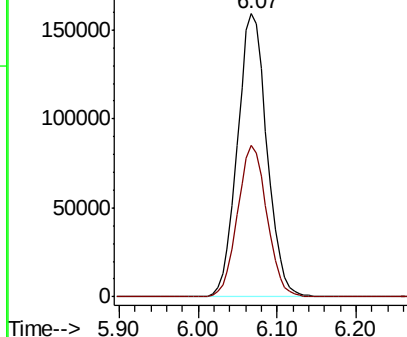


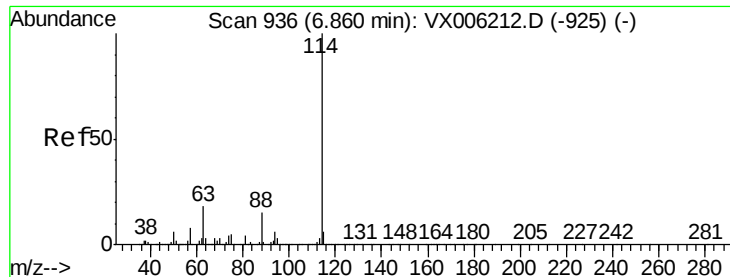
#33
1,2-Dichloroethane-d4
Concen: 48.944 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX006279.D
Acq: 04 Dec 2018 15:35

Tgt Ion: 65 Resp: 414357
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006279.D

Acq: 04 Dec 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2018-4

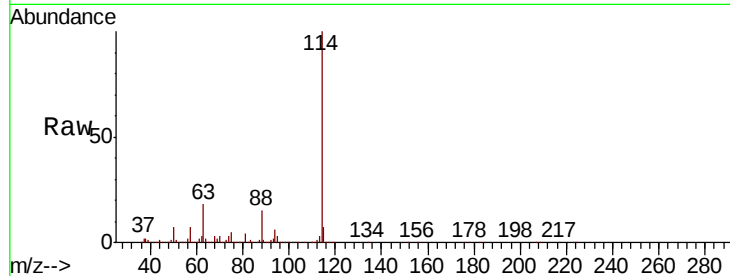
Tot Ion:114 Resp: 1258176

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

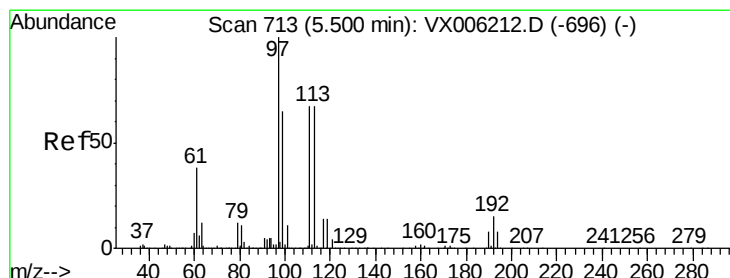
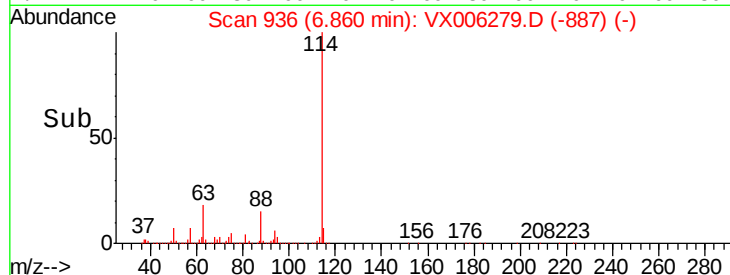
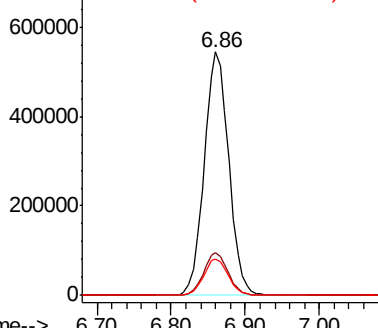
88 14.7 0.0 29.0



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: 48.778 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006279.D

Acq: 04 Dec 2018 15:35

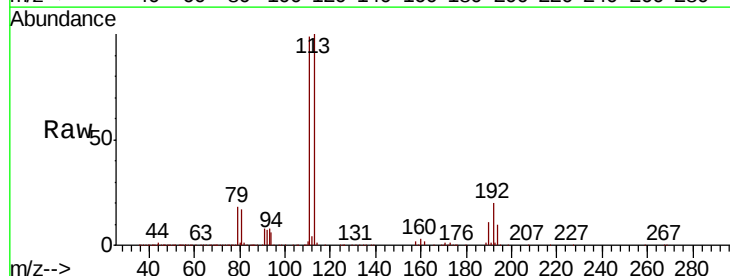
Tgt Ion:113 Resp: 397358

Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

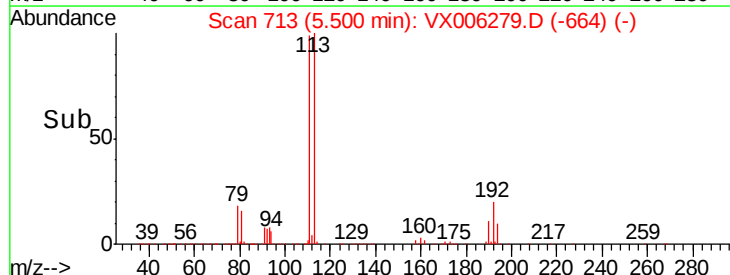
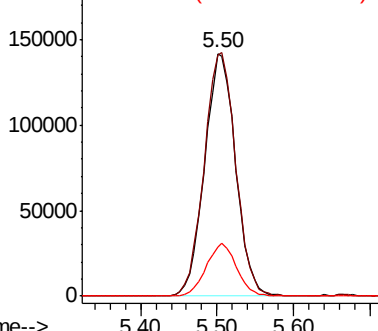
192 21.4 18.2 27.2

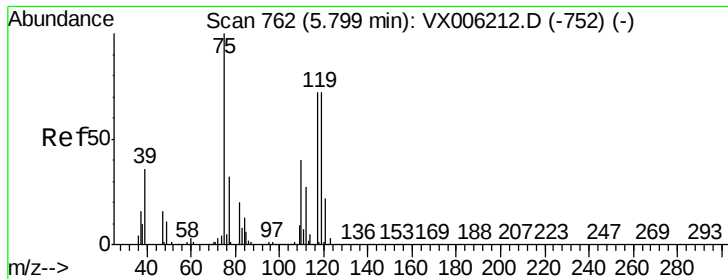


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.895 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006279.D

Acq: 04 Dec 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2018-4

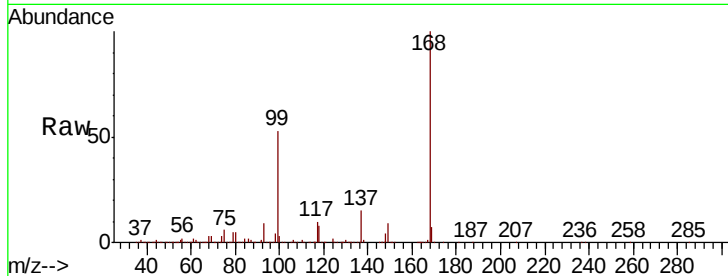
Tot Ion: 75 Resp: 51859

Ion Ratio Lower Upper

75 100

110 10.2 20.4 61.3#

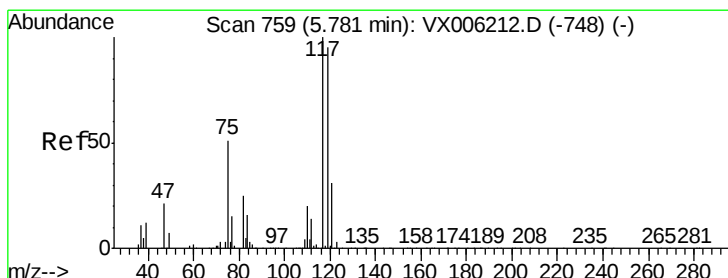
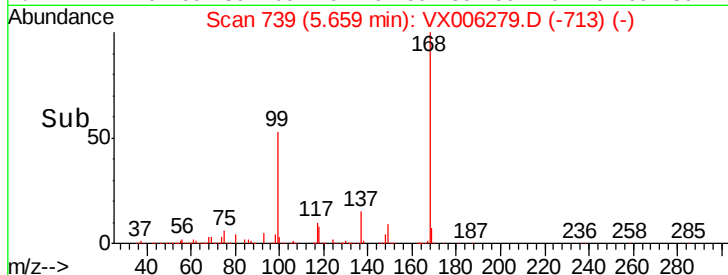
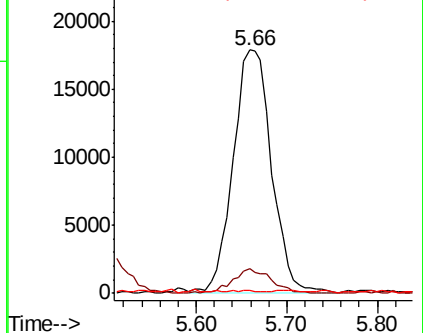
77 0.2 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.045 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006279.D

Acq: 04 Dec 2018 15:35

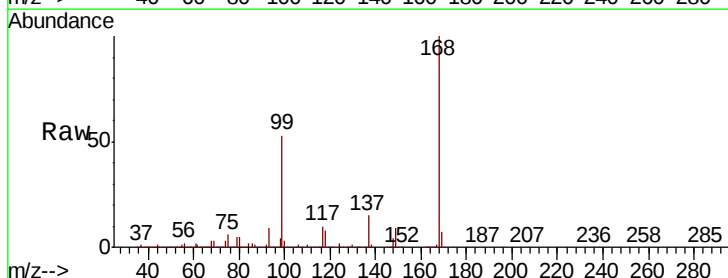
Tgt Ion:117 Resp: 75350

Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.8#

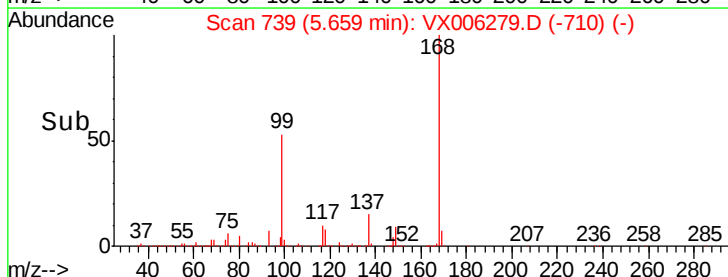
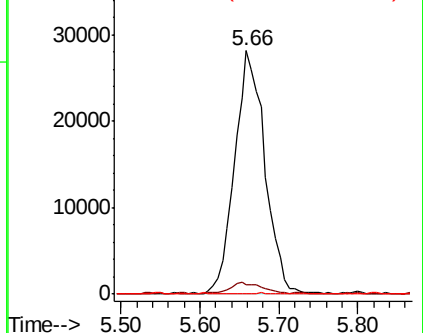
121 0.2 24.6 37.0#

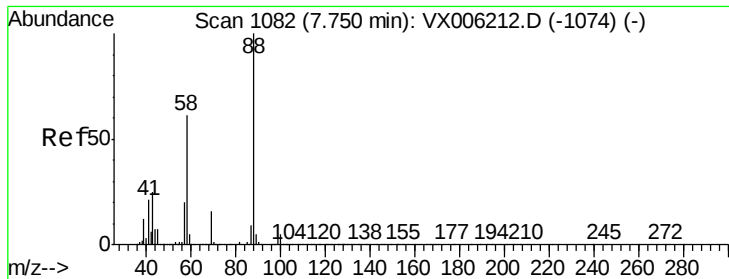


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

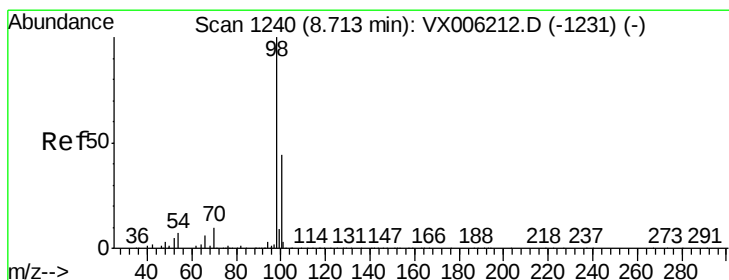
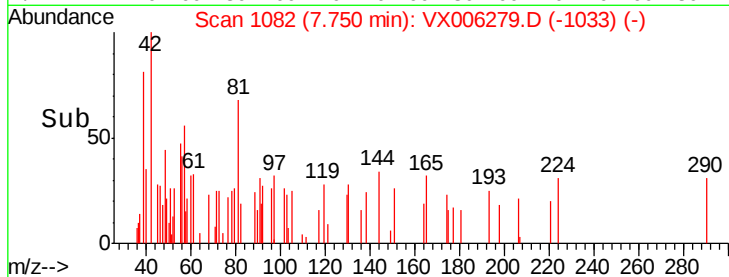
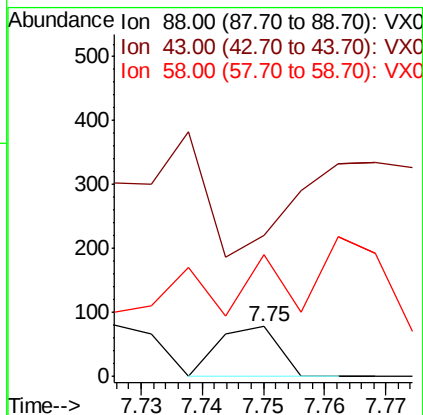
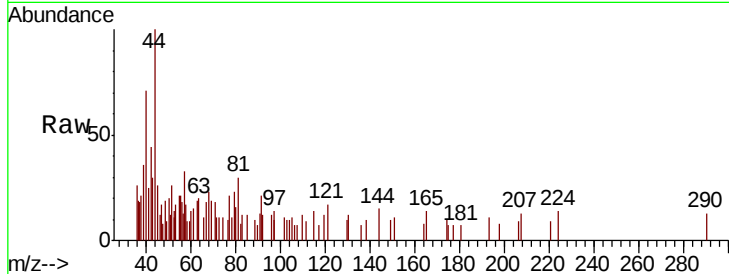




#49
1,4-Dioxane
Concen: 0.219 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX006279.D
Acq: 04 Dec 2018 15:35

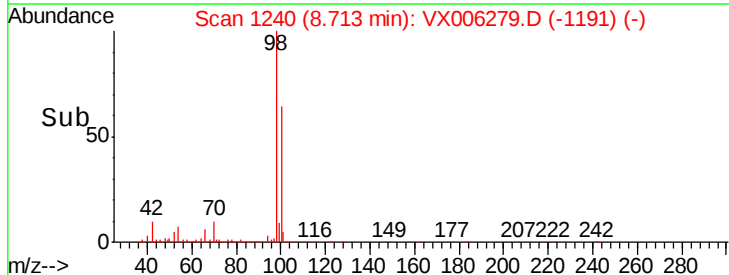
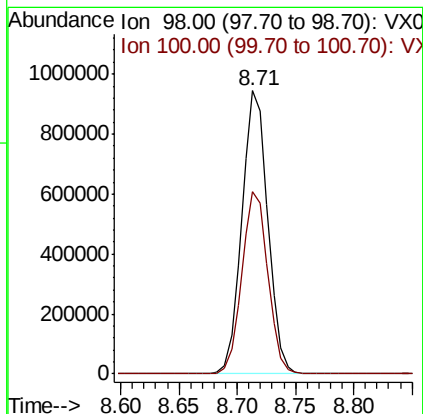
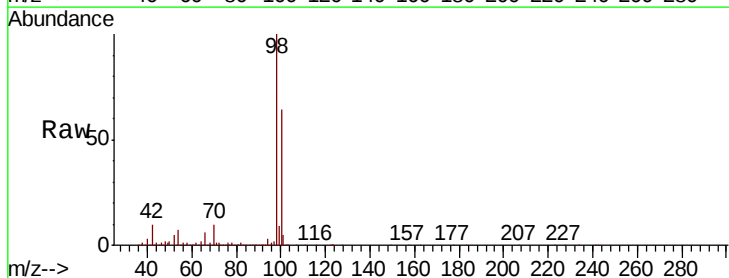
Instrument :
MSVOA_X
ClientSampled :
S32-TB-2018-4

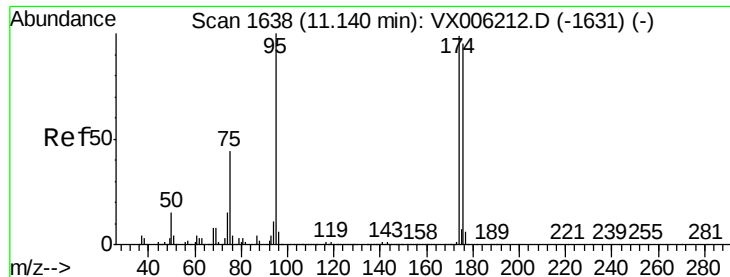
Tot Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 346.2 23.2 34.8#
58 440.4 51.4 77.0#



#50
Toluene-d8
Concen: 49.619 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006279.D
Acq: 04 Dec 2018 15:35

Tgt Ion: 98 Resp: 1470280
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 48.617 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006279.D

Acq: 04 Dec 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2018-4

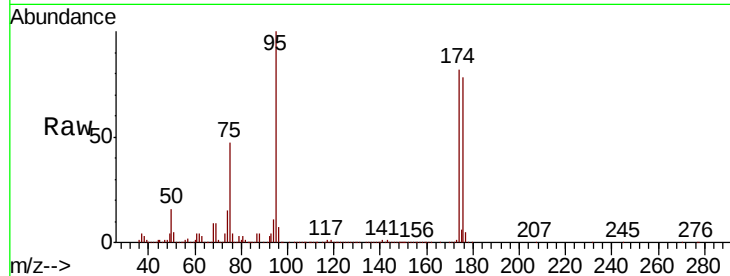
Tot Ion: 95 Resp: 542848

Ion Ratio Lower Upper

95 100

174 89.5 0.0 187.0

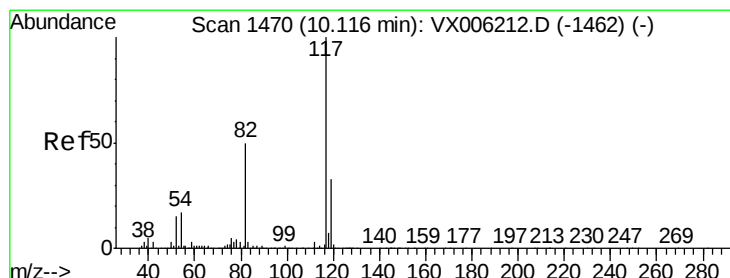
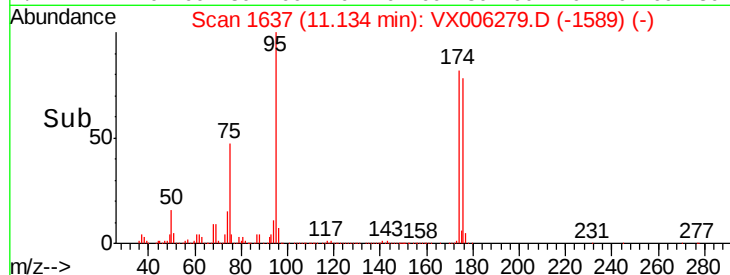
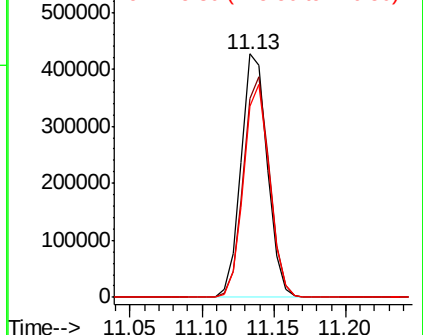
176 86.1 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006279.D

Acq: 04 Dec 2018 15:35

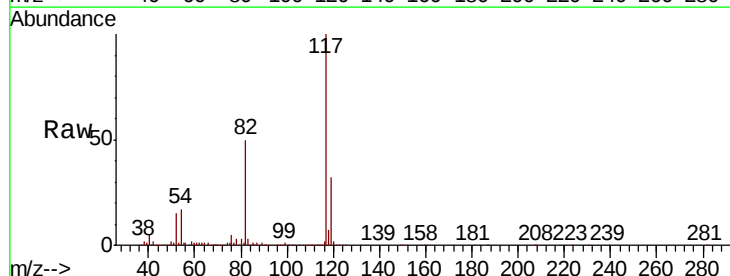
Tgt Ion: 117 Resp: 1147120

Ion Ratio Lower Upper

117 100

82 49.8 39.6 59.4

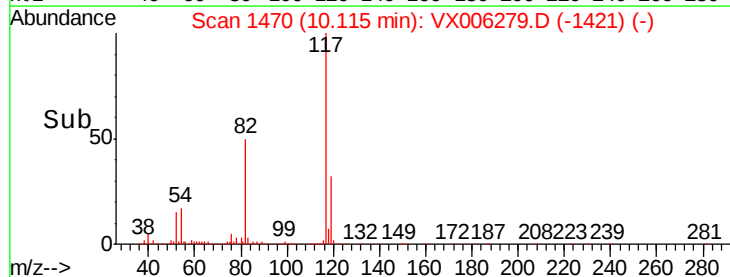
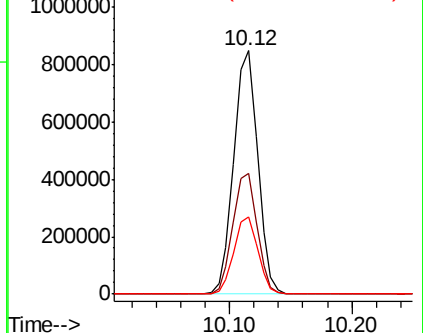
119 31.6 26.3 39.5

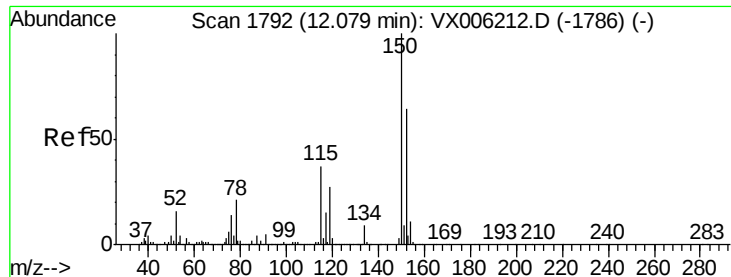


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006279.D

Acq: 04 Dec 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2018-4

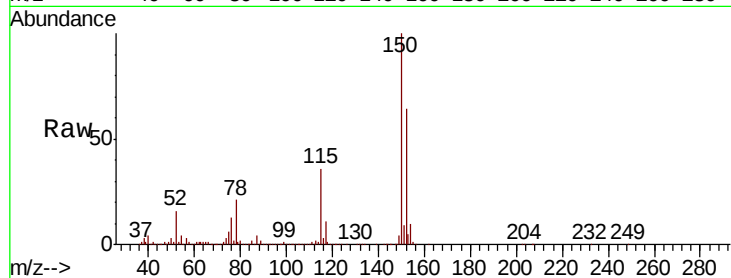
Tot Ion:152 Resp: 556235

Ion Ratio Lower Upper

152 100

115 55.5 39.0 116.9

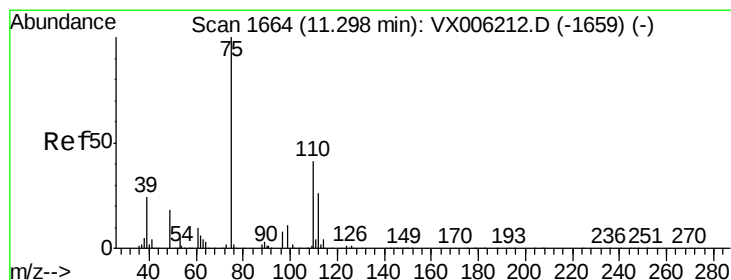
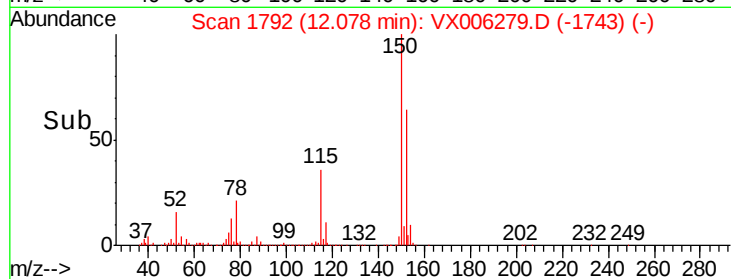
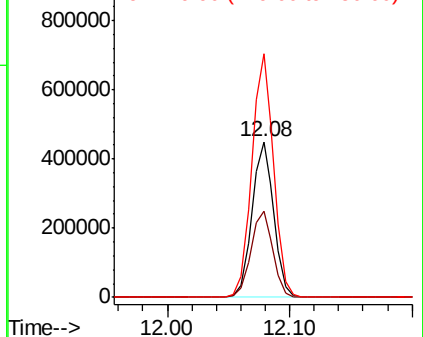
150 156.6 0.0 345.8



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: 23.202 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006279.D

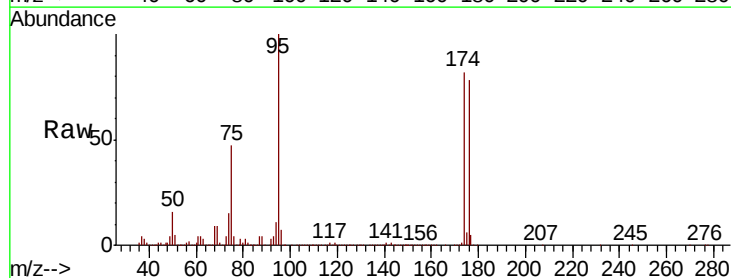
Acq: 04 Dec 2018 15:35

Tgt Ion: 75 Resp: 249100

Ion Ratio Lower Upper

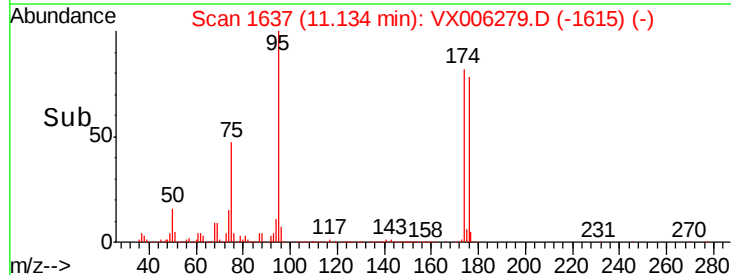
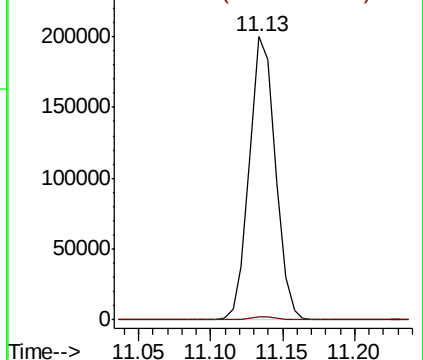
75 100

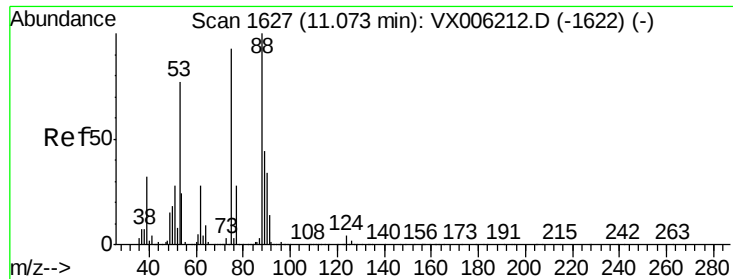
77 1.2 19.9 59.7#



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: 54.448 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006279.D

Acq: 04 Dec 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2018-4

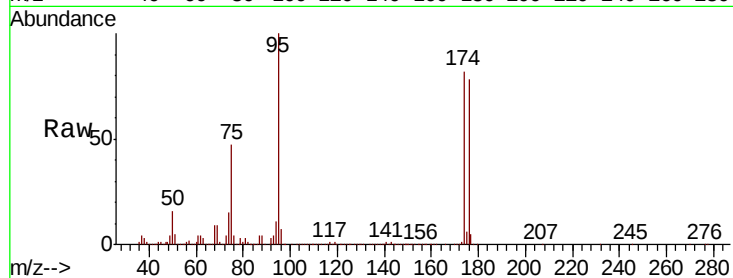
Tot Ion: 75 Resp: 249100

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.0 44.2 66.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

