

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120418\
 Data File : VX006281.D
 Acq On : 04 Dec 2018 16:28
 Operator : JC/MD
 Sample : J6232-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0644

Quant Time: Dec 05 00:31:13 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	840647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1278576	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1154841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	565014	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	423884	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	5.51	113	400726	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	8.71	98	1481905	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.13	95	553779	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	

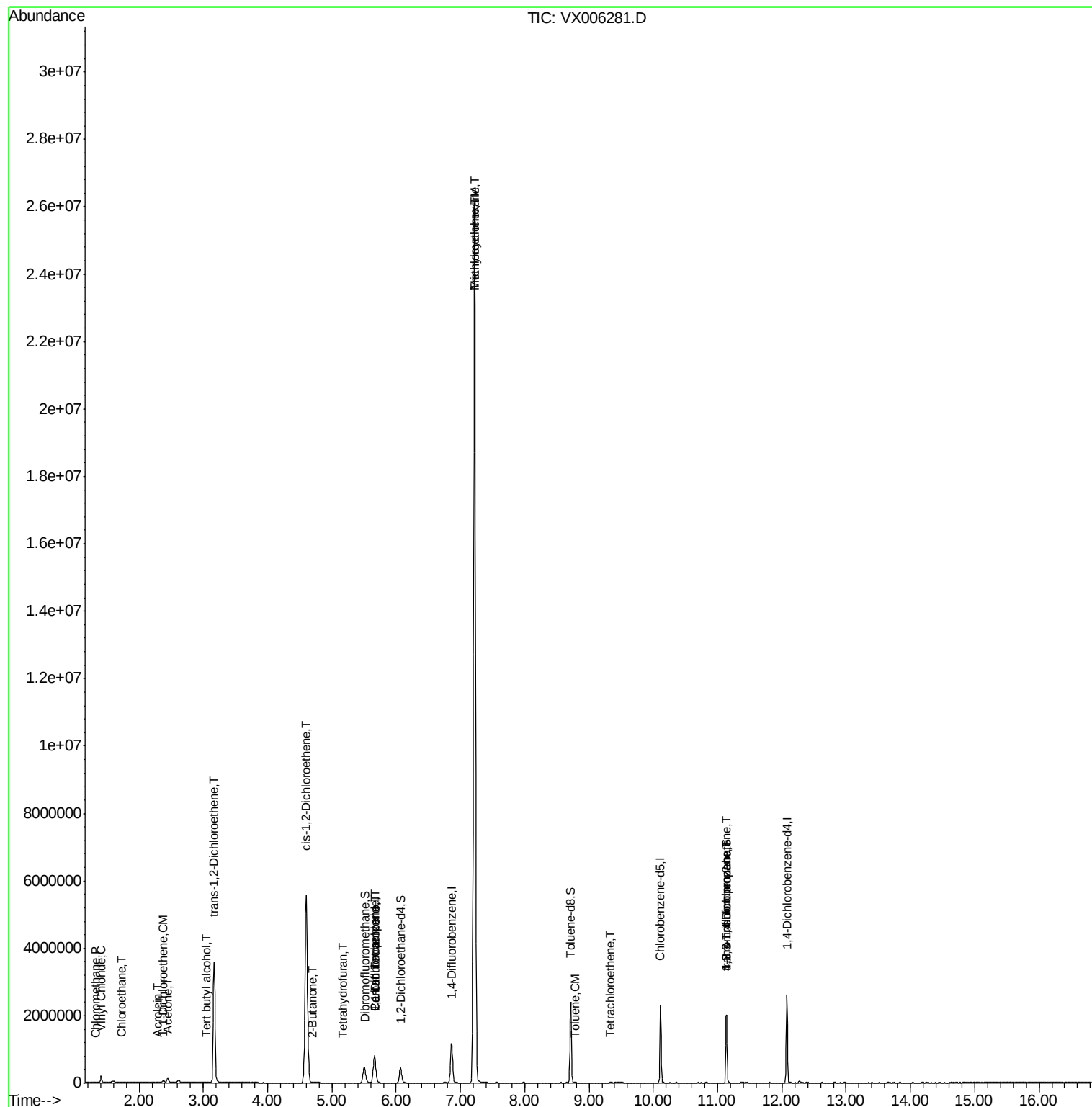
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2632	0.311	ug/l #	74
4) Vinyl Chloride	1.41	62	111518	12.250	ug/l	98
6) Chloroethane	1.72	64	1387	0.248	ug/l #	70
11) Tert butyl alcohol	3.06	59	2607	1.111	ug/l	97
12) 1,1-Dichloroethene	2.38	96	18734	2.463	ug/l	92
13) Acrolein	2.28	56	536	0.418	ug/l #	1
16) Acetone	2.45	43	123350	30.628	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	1477467	182.264	ug/l	98
25) 2-Butanone	4.70	43	15840	2.757	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	3850071	425.799	ug/l	89
29) Tetrahydrofuran	5.17	42	1916	0.480	ug/l #	57
36) 1,1-Dichloropropene	5.67	75	52525	4.878	ug/l #	49
38) Carbon Tetrachloride	5.67	117	74521	5.883	ug/l #	16
39) Methylcyclohexane	7.22	83	113490	8.120	ug/l #	1
44) Trichloroethene	7.22	130	10277174	1051.990	ug/l	93
52) Toluene	8.79	92	8047	0.379	ug/l	99
64) Tetrachloroethene	9.34	164	2380	0.274	ug/l #	82
76) 1,2,3-Trichloropropane	11.13	75	248706	22.805	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	248706	53.517	ug/l #	15

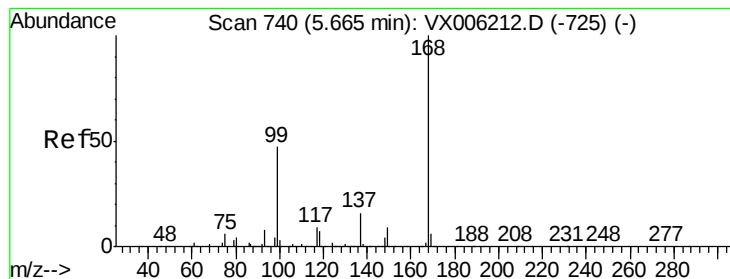
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006281.D

Acq: 04 Dec 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

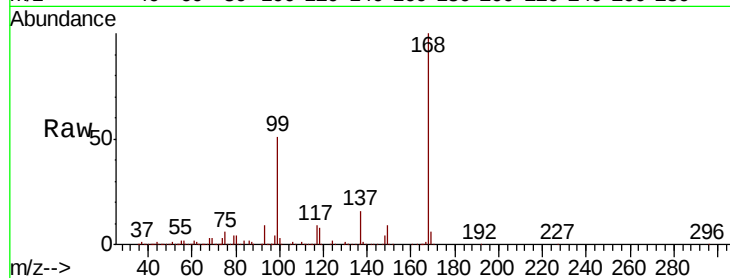
S32-0644

Tot Ion:168 Resp: 840647

Ion Ratio Lower Upper

168 100

99 50.5 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

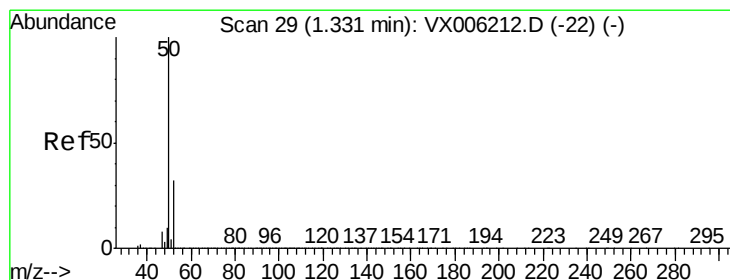
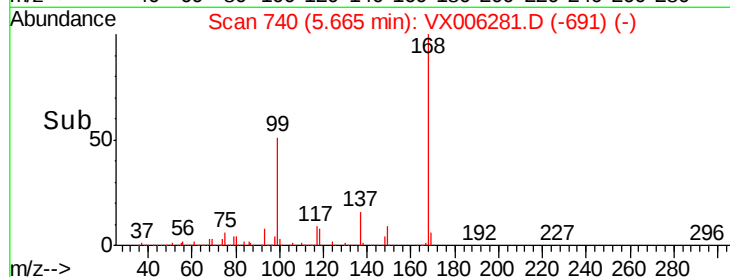
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.311 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX006281.D

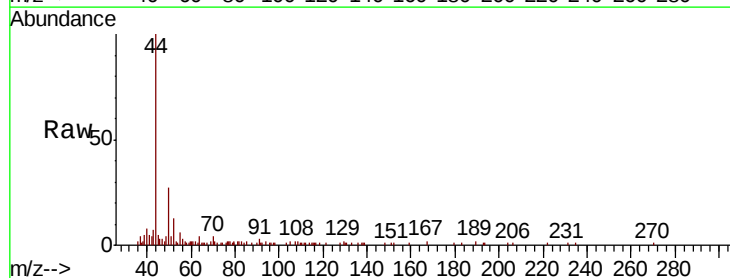
Acq: 04 Dec 2018 16:28

Tgt Ion: 50 Resp: 2632

Ion Ratio Lower Upper

50 100

52 46.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

2500

2000

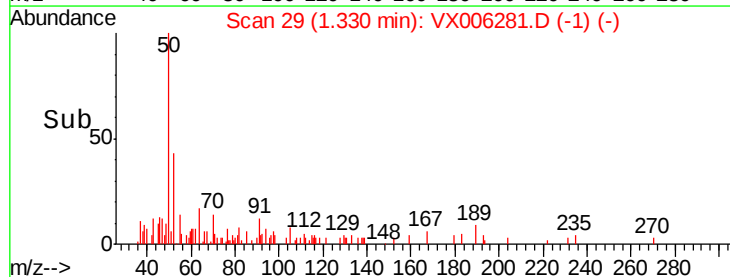
1500

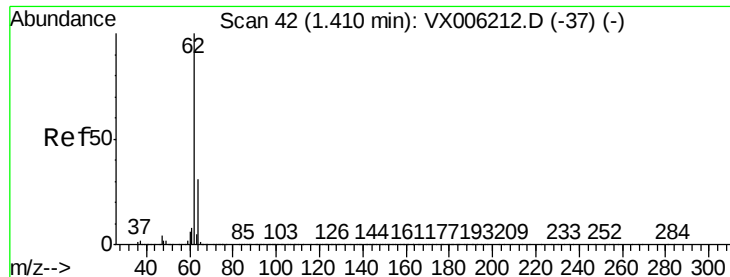
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 12.250 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006281.D

Acq: 04 Dec 2018 16:28

Instrument :

MSVOA_X

ClientSampled :

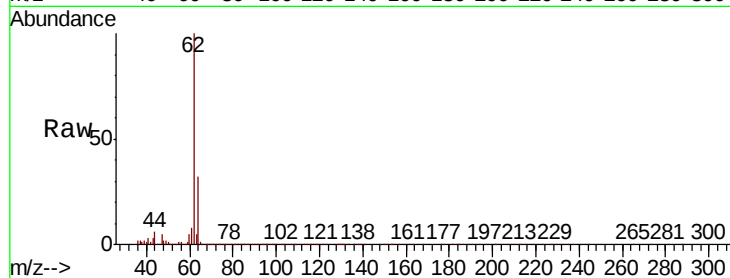
S32-0644

Tot Ion: 62 Resp: 111518

Ion Ratio Lower Upper

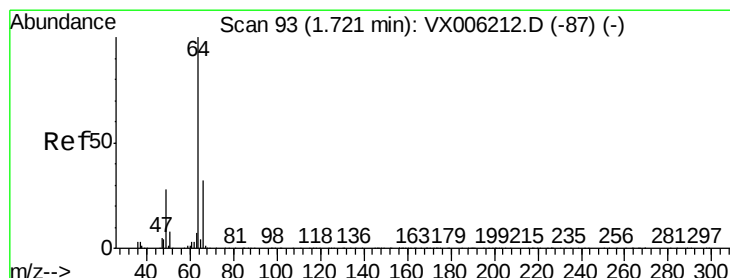
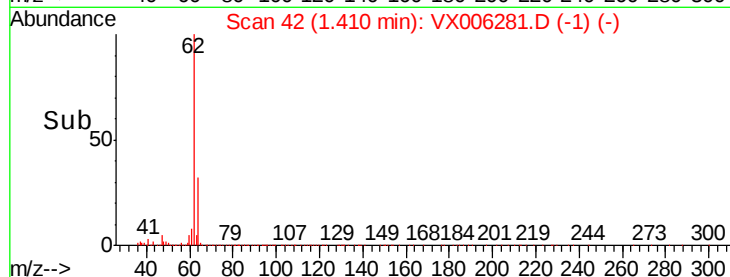
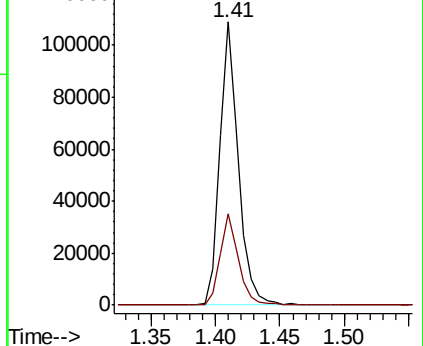
62 100

64 31.9 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#6

Chloroethane

Concen: 0.248 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX006281.D

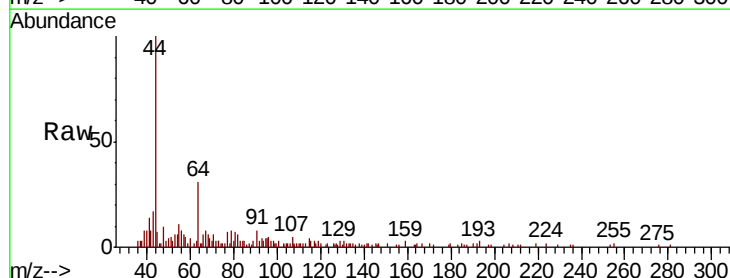
Acq: 04 Dec 2018 16:28

Tgt Ion: 64 Resp: 1387

Ion Ratio Lower Upper

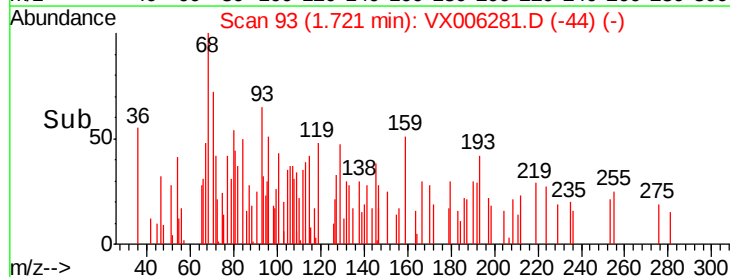
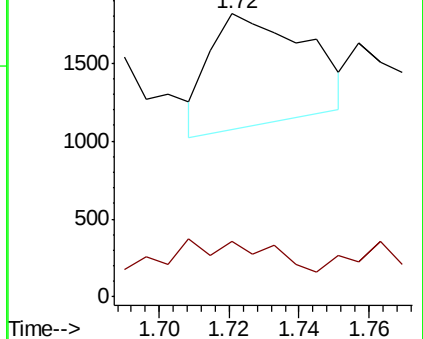
64 100

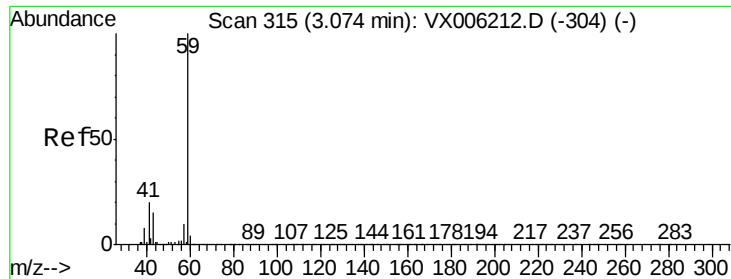
66 15.5 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 1.111 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

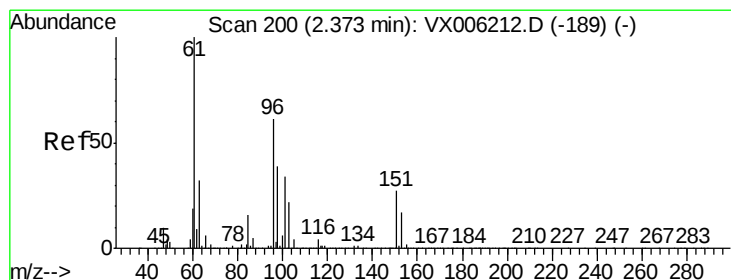
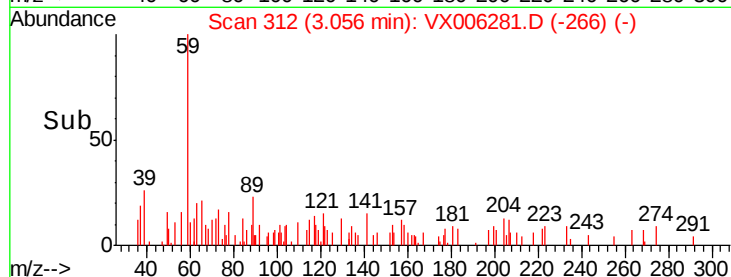
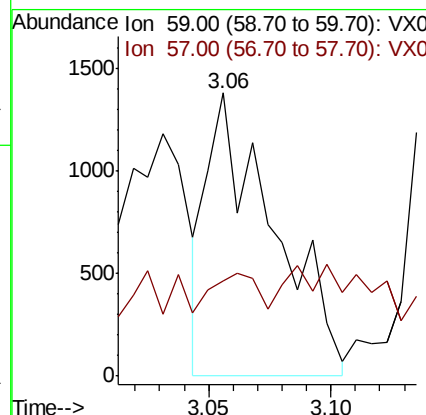
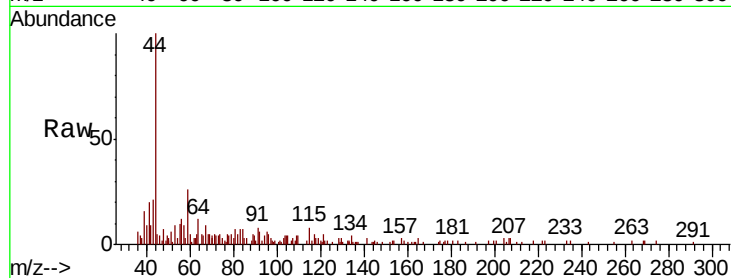
Lab File: VX006281.D

Acq: 04 Dec 2018 16:28

Instrument :
MSVOA_X
ClientSampled :
S32-0644

Tot Ion: 59 Resp: 2607

Ion	Ratio	Lower	Upper
59	100		
57	9.1	8.2	12.2



#12

1,1-Dichloroethene

Concen: 2.463 ug/l

RT: 2.38 min Scan# 201

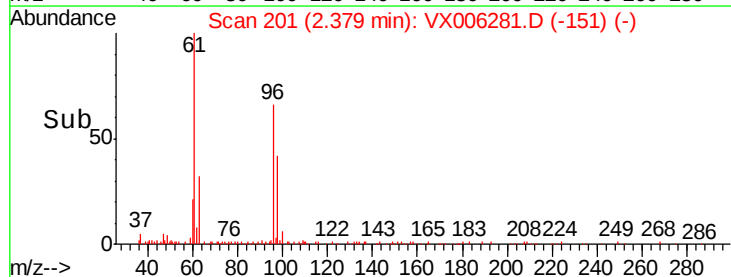
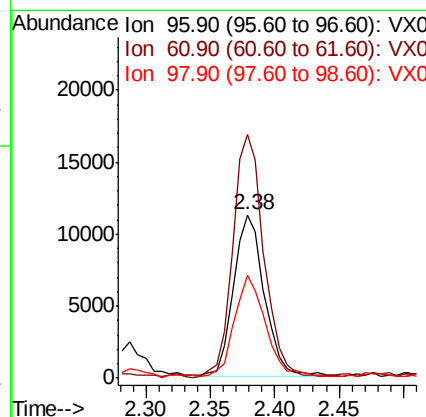
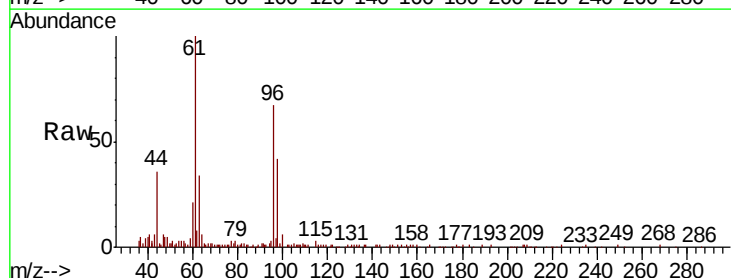
Delta R.T. 0.01 min

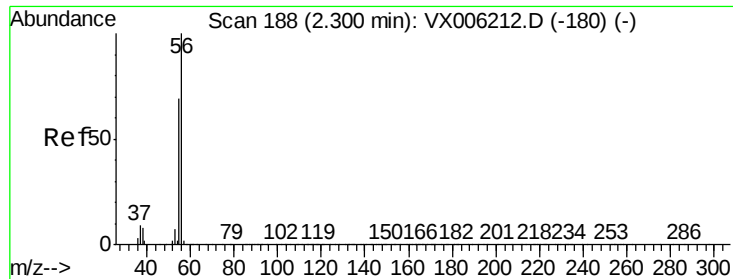
Lab File: VX006281.D

Acq: 04 Dec 2018 16:28

Tgt Ion: 96 Resp: 18734

Ion	Ratio	Lower	Upper
96	100		
61	151.0	131.7	197.5
98	62.5	51.8	77.6

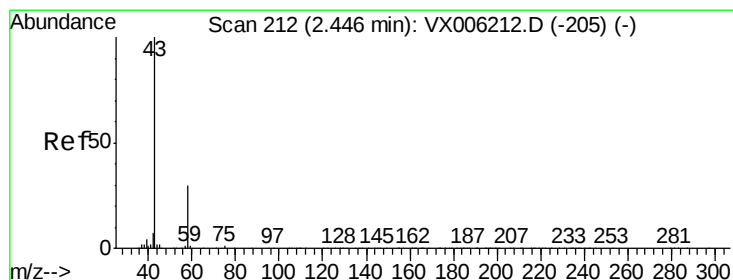
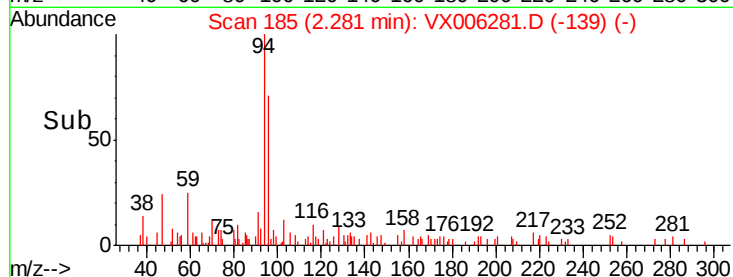
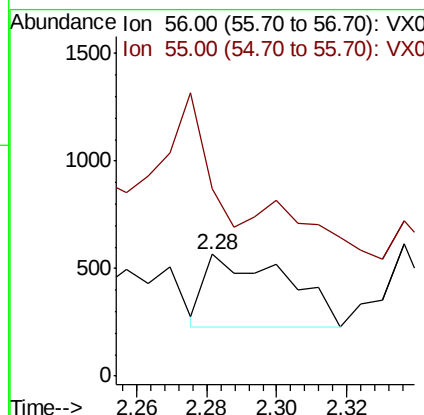
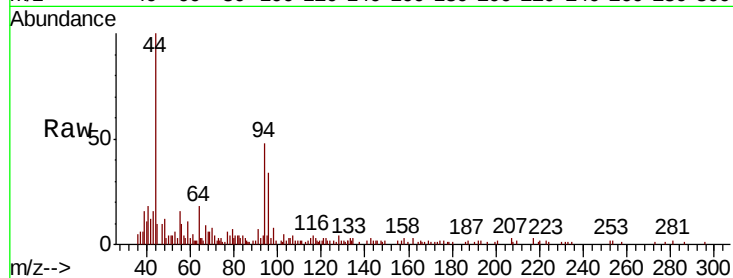




#13
Acrolein
Concen: 0.418 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.02 min
Lab File: VX006281.D
Acq: 04 Dec 2018 16:28

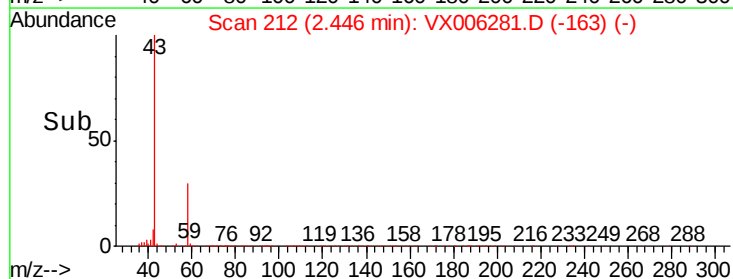
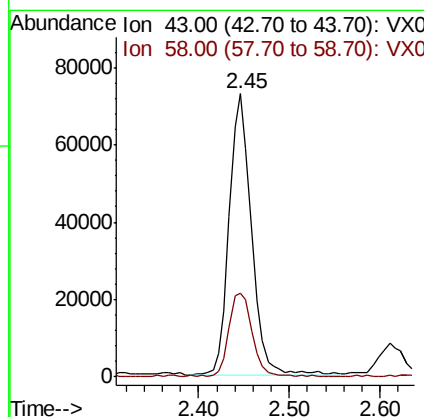
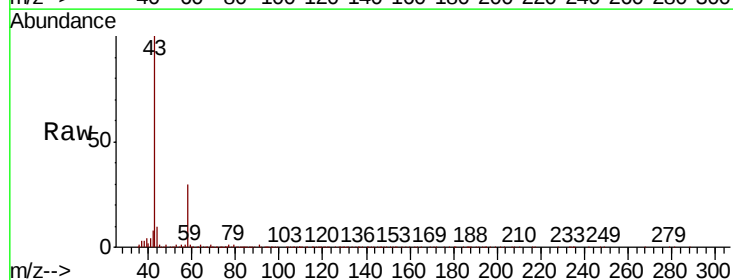
Instrument :
MSVOA_X
ClientSampled :
S32-0644

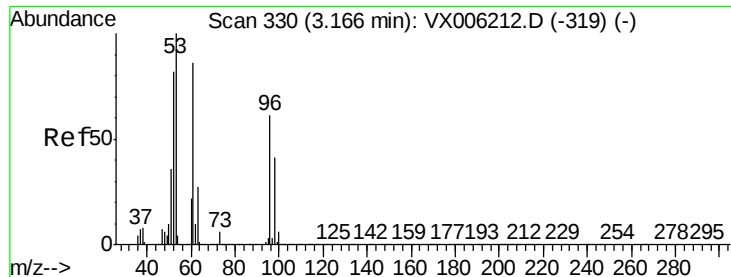
Tot Ion: 56 Resp: 536
Ion Ratio Lower Upper
56 100
55 175.4 57.8 86.6#



#16
Acetone
Concen: 30.628 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006281.D
Acq: 04 Dec 2018 16:28

Tgt Ion: 43 Resp: 123350
Ion Ratio Lower Upper
43 100
58 29.5 24.0 36.0





#21

trans-1,2-Dichloroethene

Concen: 182.264 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006281.D

Acq: 04 Dec 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0644

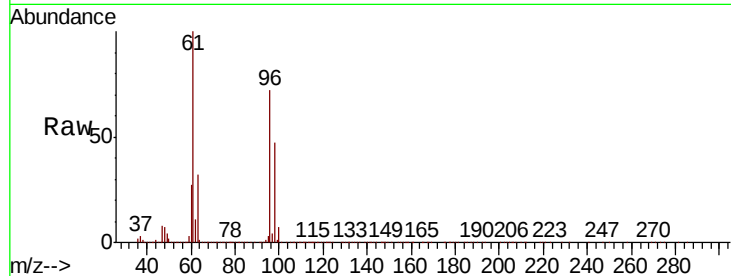
Tot Ion: 96 Resp: 1477467

Ion Ratio Lower Upper

96 100

61 139.1 113.3 169.9

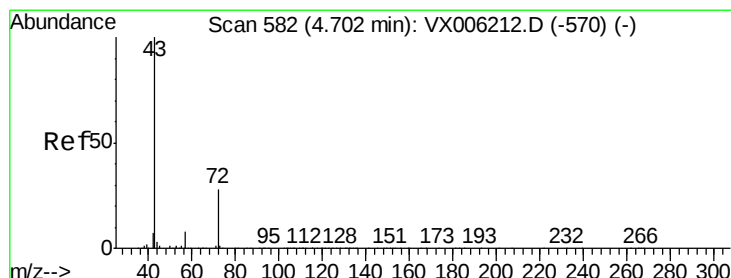
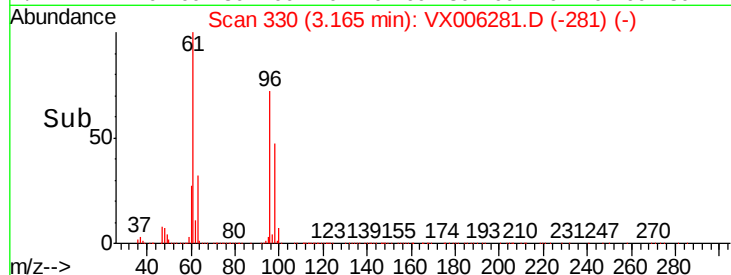
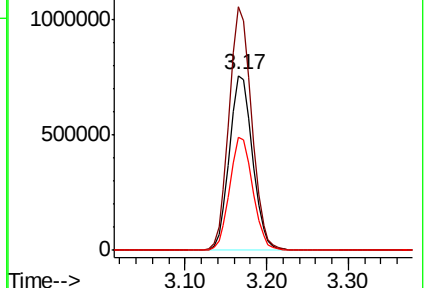
98 64.9 53.2 79.8



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: 2.757 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006281.D

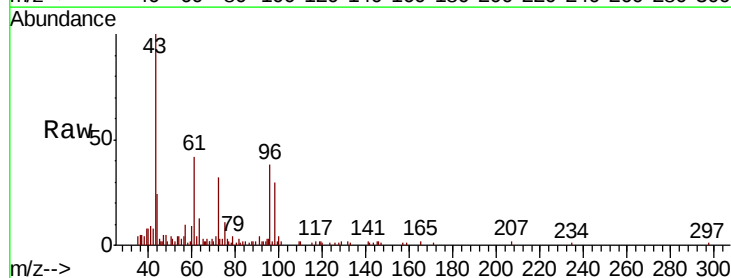
Acq: 04 Dec 2018 16:28

Tgt Ion: 43 Resp: 15840

Ion Ratio Lower Upper

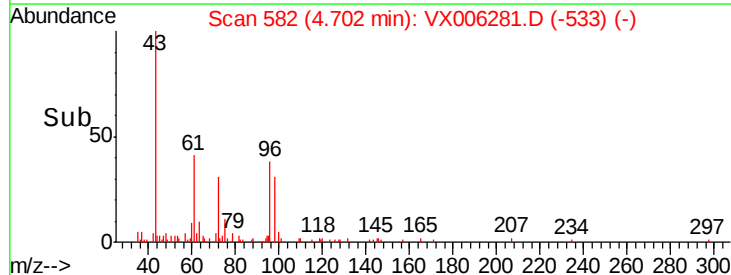
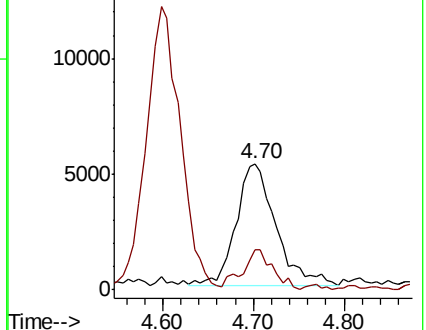
43 100

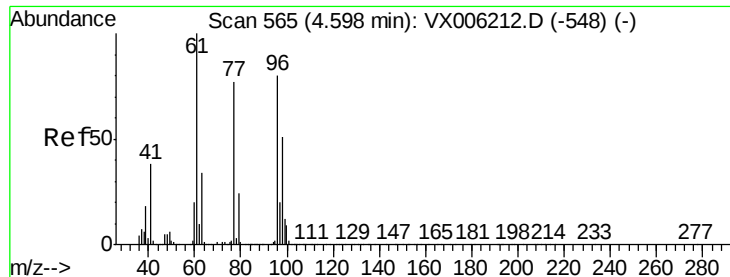
72 31.7 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



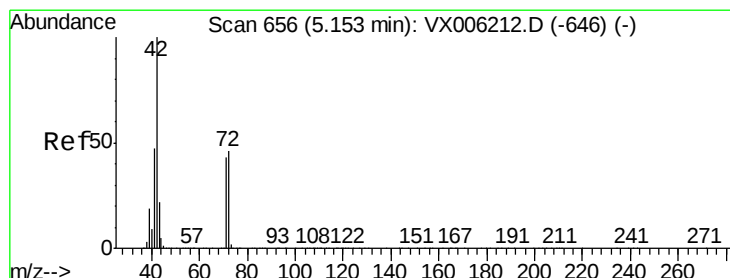
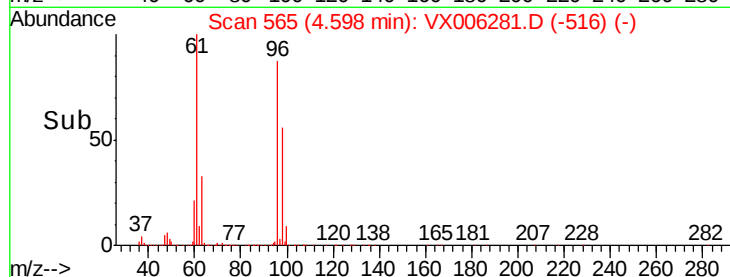
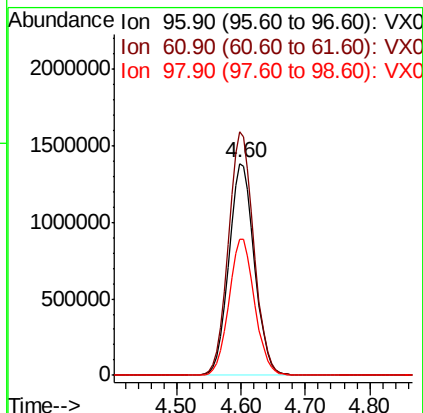
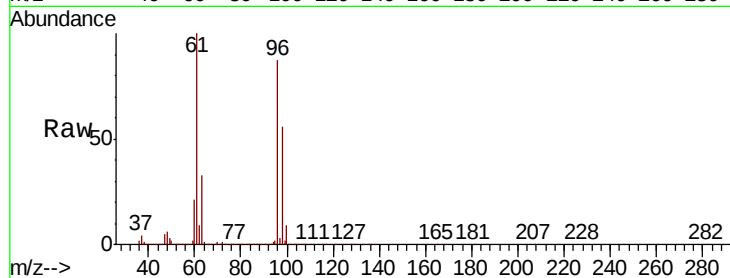


#27

cis-1,2-Dichloroethene
 Concen: 425.799 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006281.D
 Acq: 04 Dec 2018 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0644

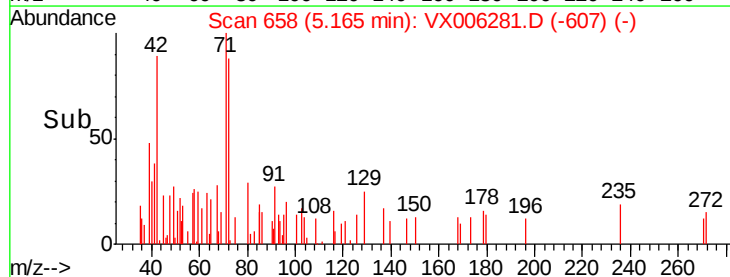
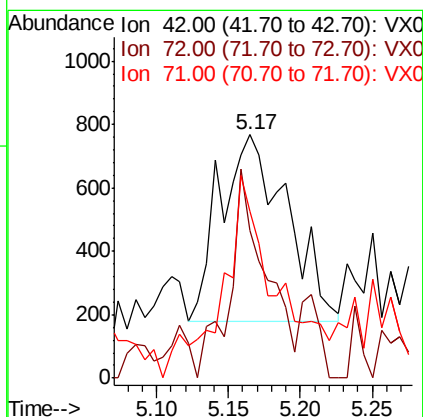
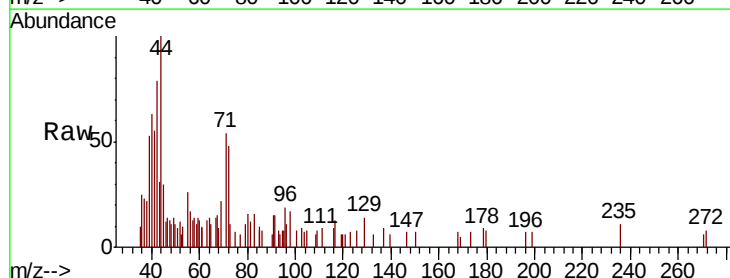
Tot Ion: 96 Resp: 3850071
 Ion Ratio Lower Upper
 96 100
 61 114.3 0.0 265.0
 98 64.4 0.0 130.2

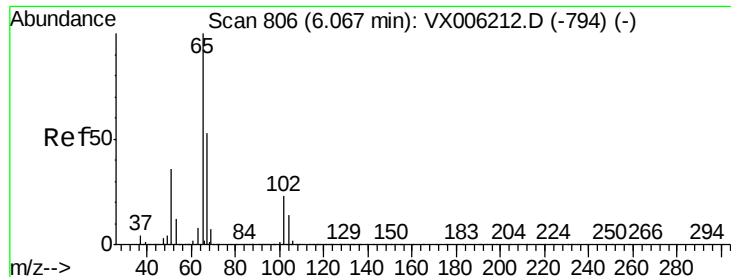


#29

Tetrahydrofuran
 Concen: 0.480 ug/l
 RT: 5.17 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VX006281.D
 Acq: 04 Dec 2018 16:28

Tgt Ion: 42 Resp: 1916
 Ion Ratio Lower Upper
 42 100
 72 60.3 37.8 56.8#
 71 88.3 35.2 52.8#





#33

1,2-Dichloroethane-d4

Concen: 49.394 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006281.D

Acq: 04 Dec 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

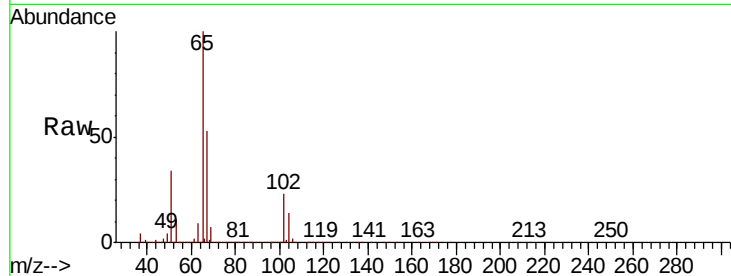
S32-0644

Tot Ion: 65 Resp: 423884

Ion Ratio Lower Upper

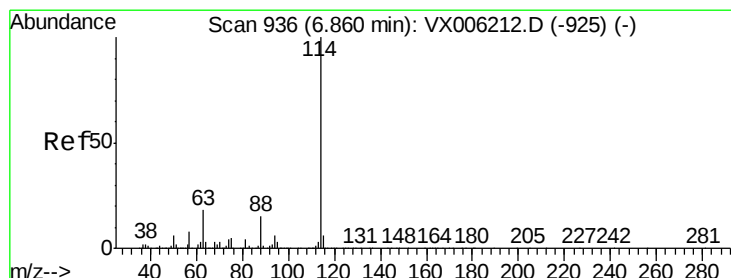
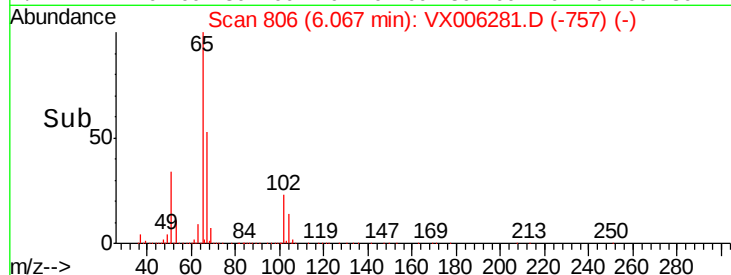
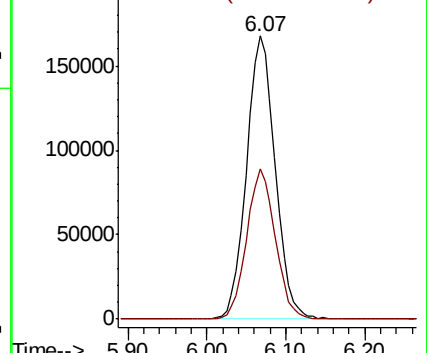
65 100

67 52.9 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: VX006281.D

Acq: 04 Dec 2018 16:28

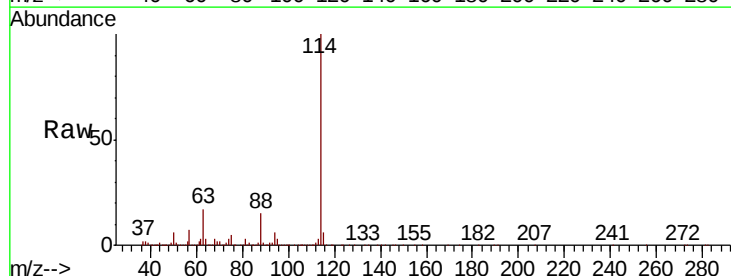
Tgt Ion: 114 Resp: 1278576

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

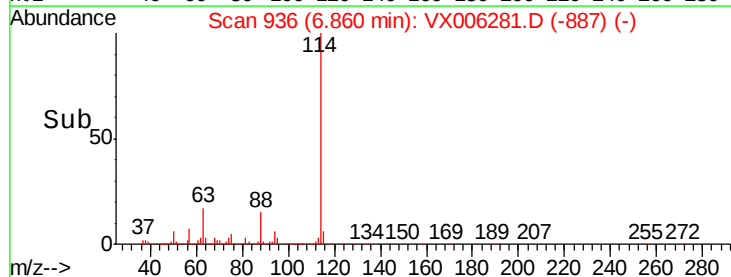
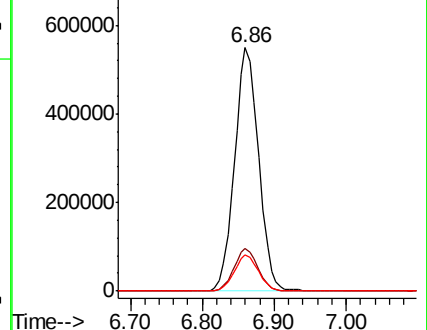
88 15.0 0.0 29.0

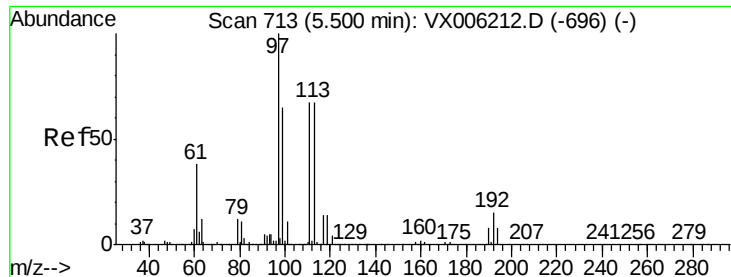


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

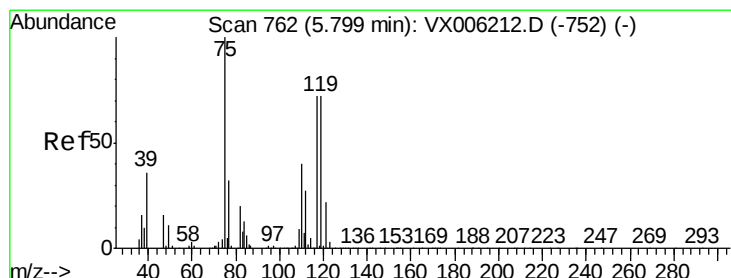
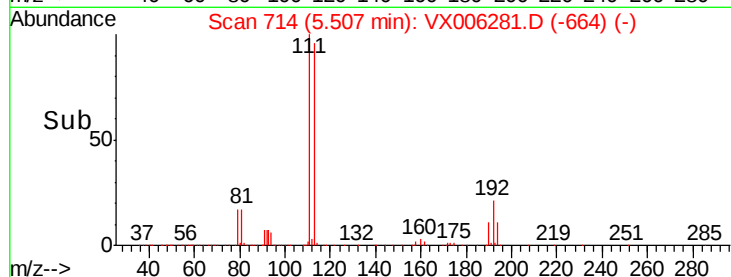
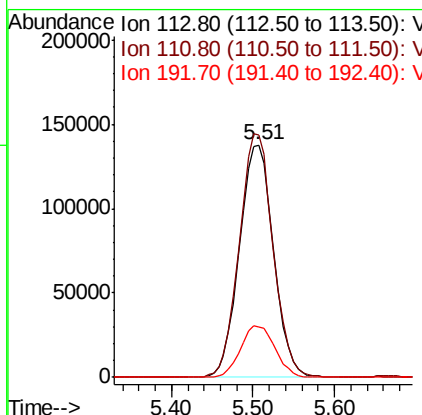
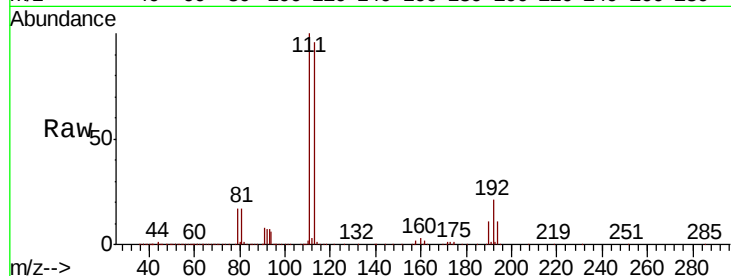




#35
 Dibromofluoromethane
 Concen: 48.407 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006281.D
 Acq: 04 Dec 2018 16:28

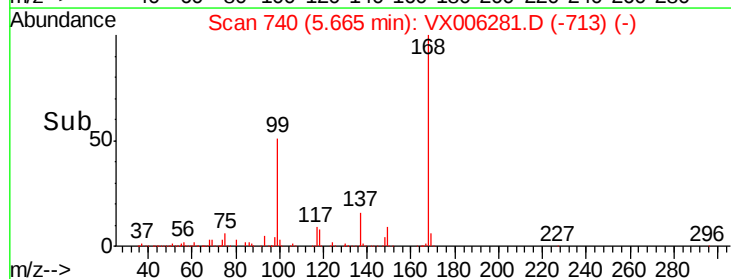
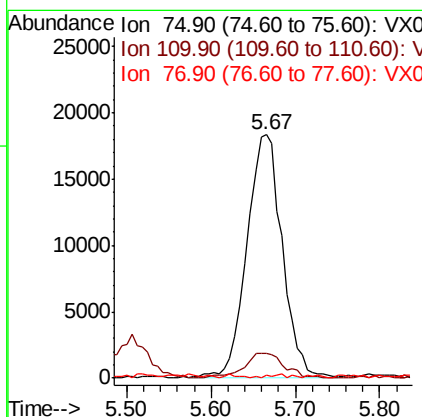
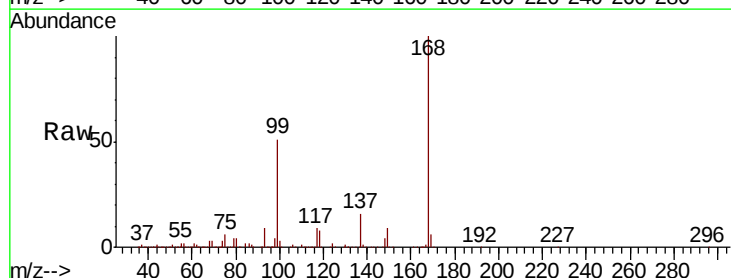
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0644

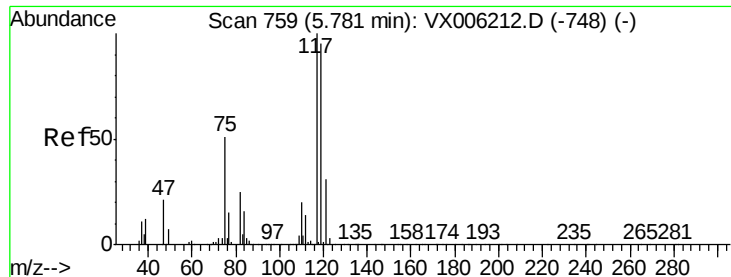
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.1	121.7
192	22.4	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 4.878 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006281.D
 Acq: 04 Dec 2018 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	20.4	61.3#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.883 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006281.D

Acq: 04 Dec 2018 16:28

Instrument :

MSVOA_X

ClientSampled :

S32-0644

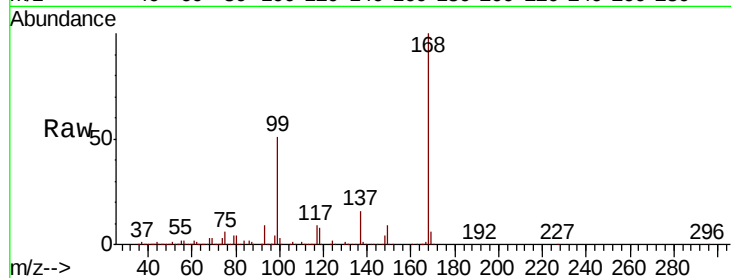
Tot Ion:117 Resp: 74521

Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.8#

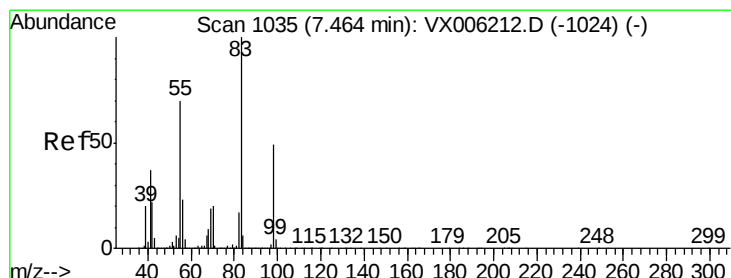
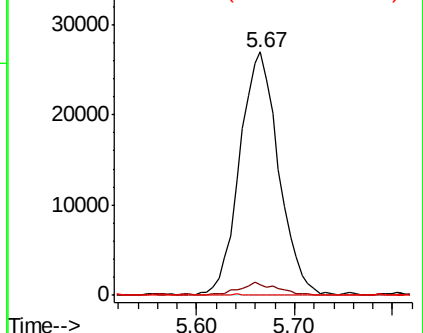
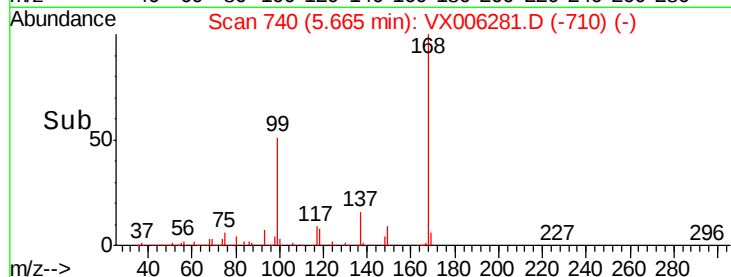
121 0.0 24.6 37.0#



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



#39

Methylcyclohexane

Concen: 8.120 ug/l

RT: 7.22 min Scan# 995

Delta R.T. -0.24 min

Lab File: VX006281.D

Acq: 04 Dec 2018 16:28

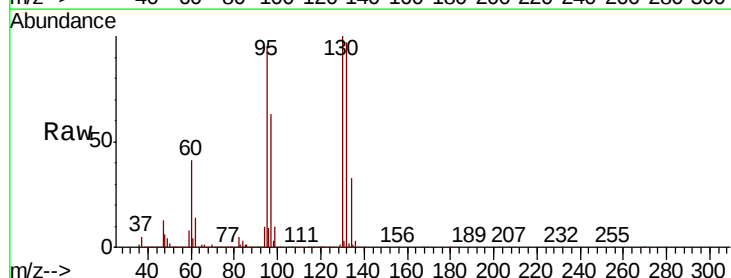
Tgt Ion: 83 Resp: 113490

Ion Ratio Lower Upper

83 100

55 0.2 56.4 84.6#

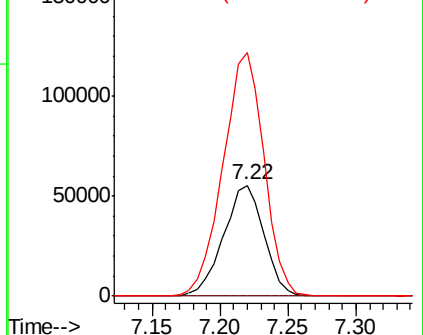
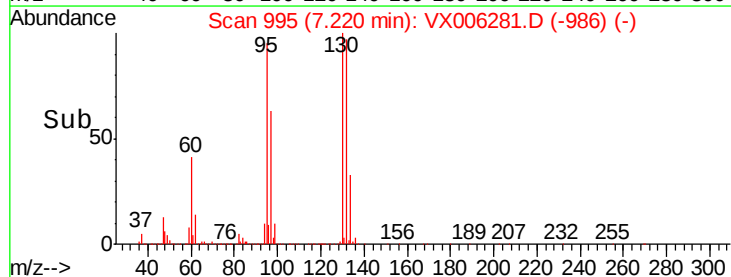
98 219.2 39.0 58.6#

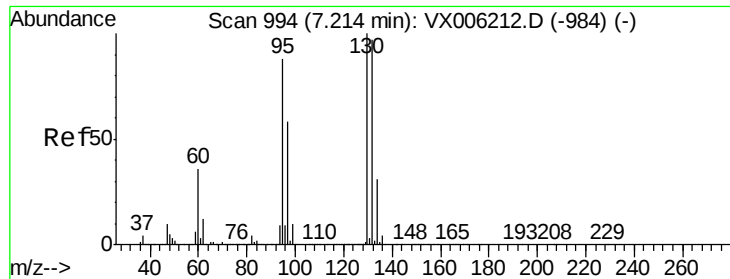


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#44

Trichloroethene

Concen: 1051.990 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX006281.D

Acq: 04 Dec 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

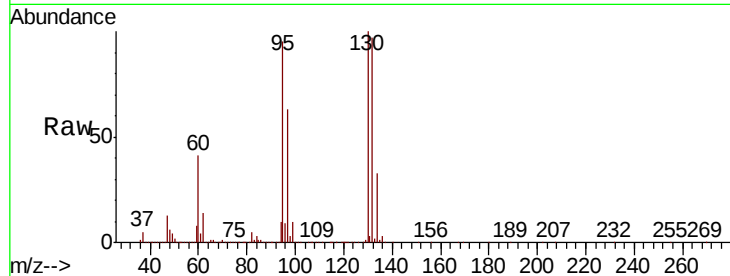
S32-0644

Tot Ion:130 Resp:10277174

Ion Ratio Lower Upper

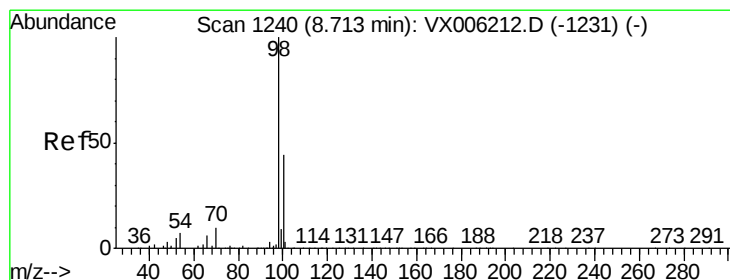
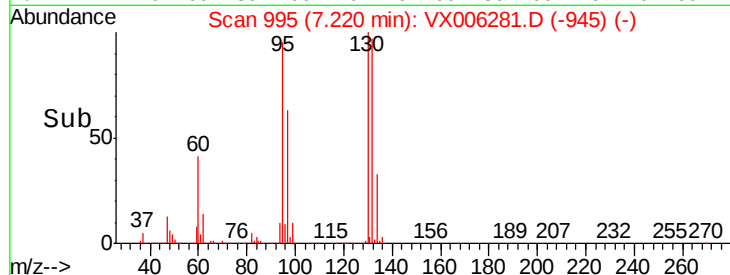
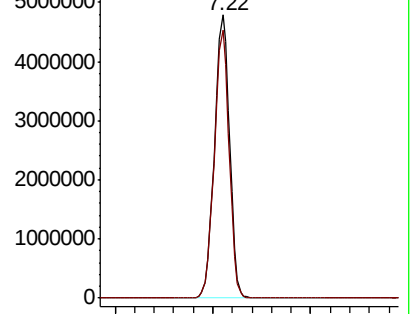
130 100

95 94.6 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: 49.214 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006281.D

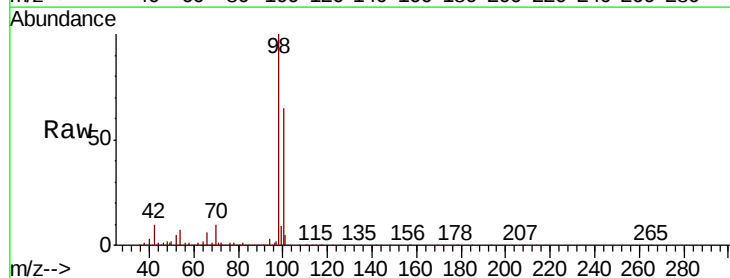
Acq: 04 Dec 2018 16:28

Tgt Ion: 98 Resp: 1481905

Ion Ratio Lower Upper

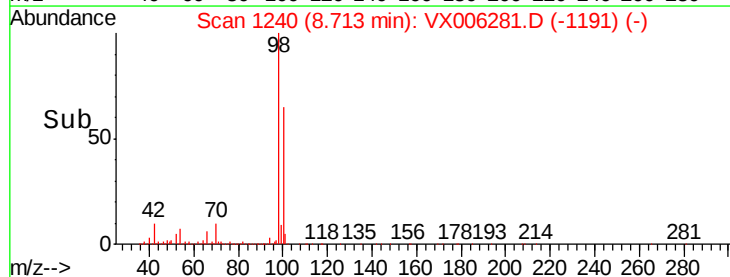
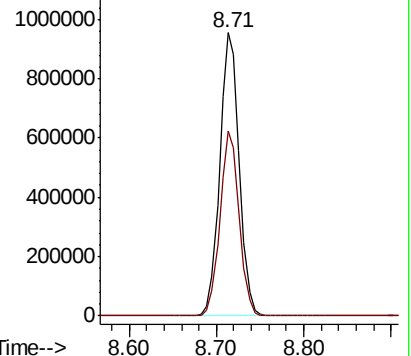
98 100

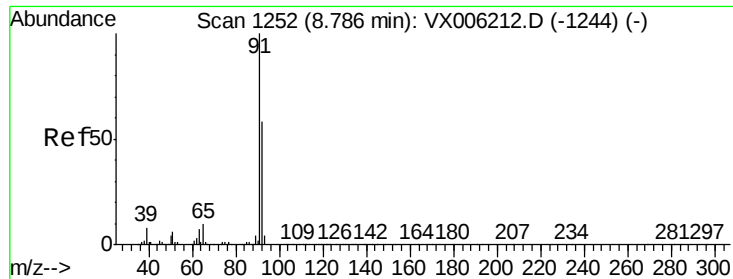
100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.379 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006281.D

Acq: 04 Dec 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

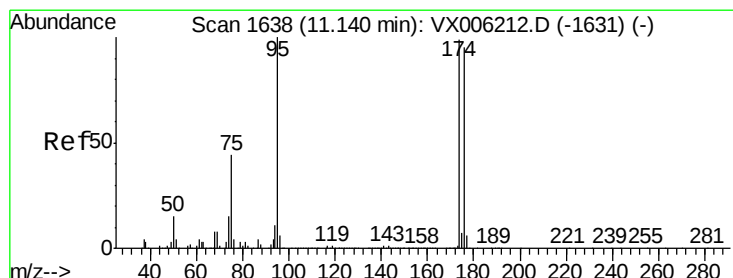
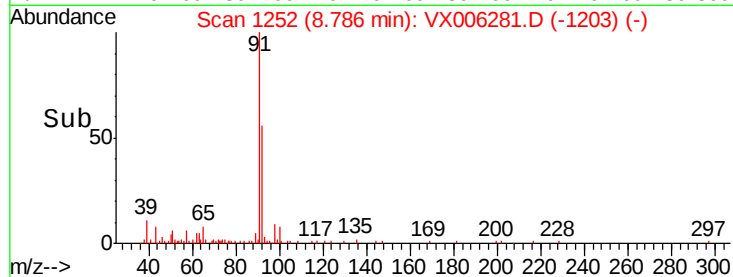
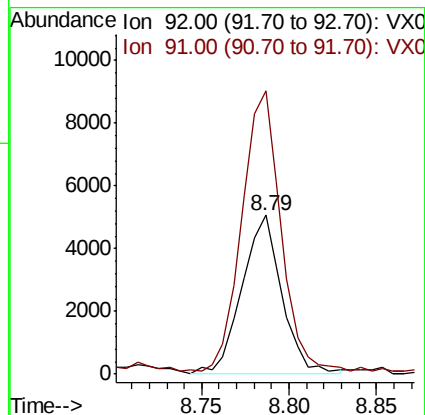
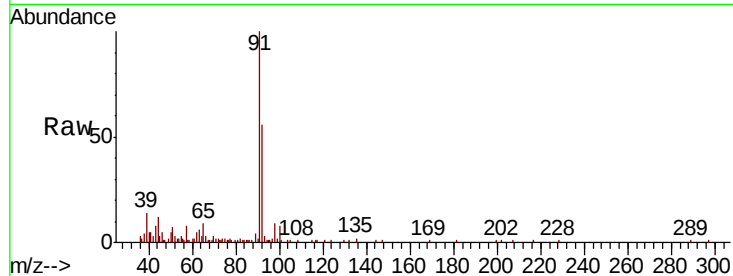
S32-0644

Tot Ion: 92 Resp: 8047

Ion Ratio Lower Upper

92 100

91 173.0 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 48.804 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006281.D

Acq: 04 Dec 2018 16:28

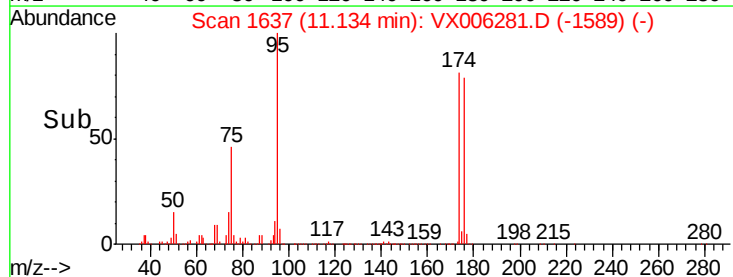
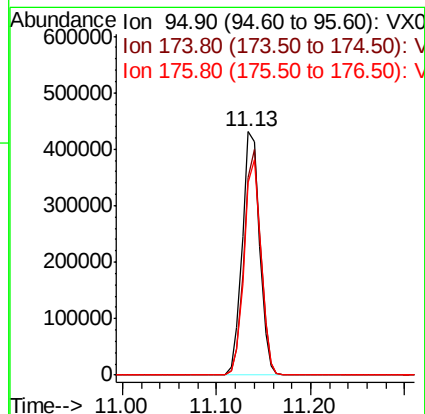
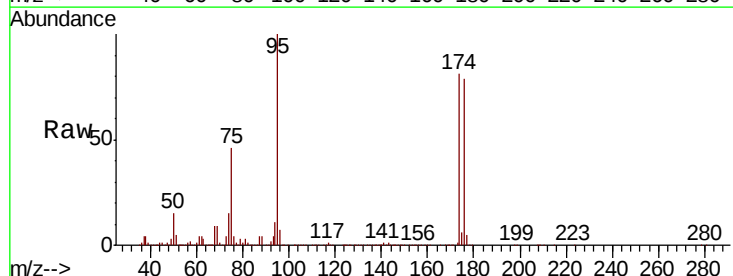
Tgt Ion: 95 Resp: 553779

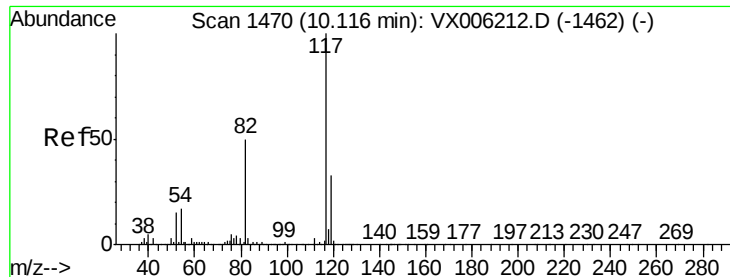
Ion Ratio Lower Upper

95 100

174 89.8 0.0 187.0

176 86.5 0.0 181.8

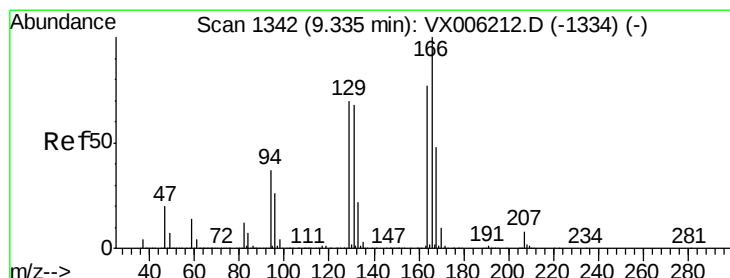
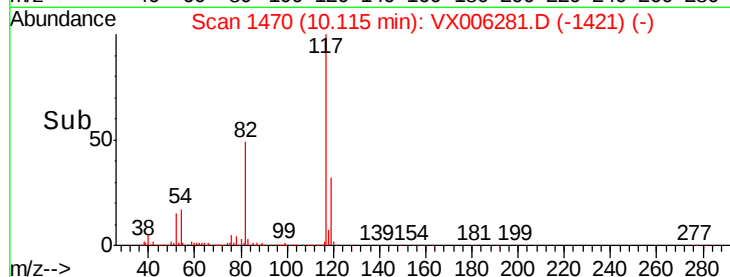
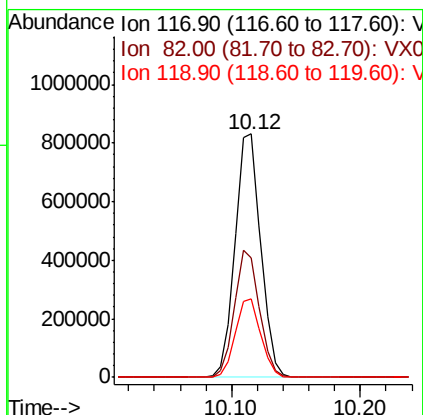
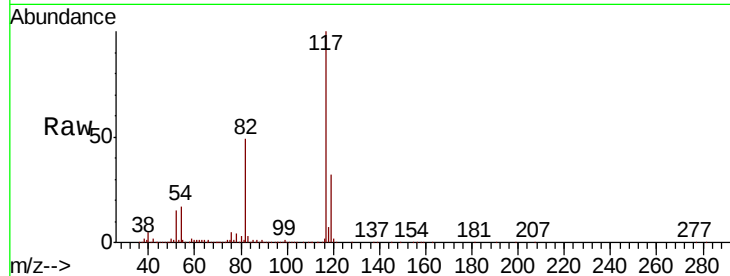




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006281.D
Acq: 04 Dec 2018 16:28

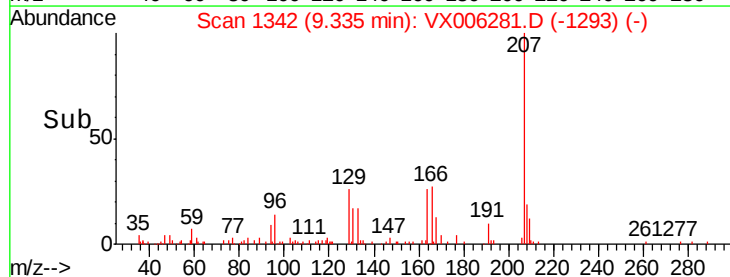
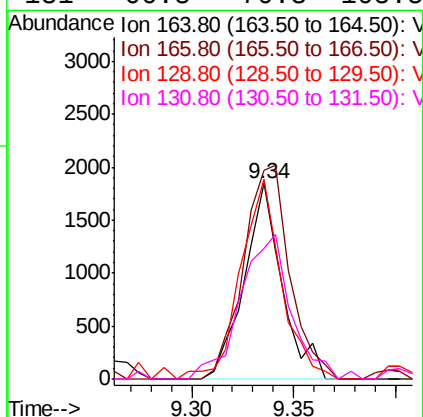
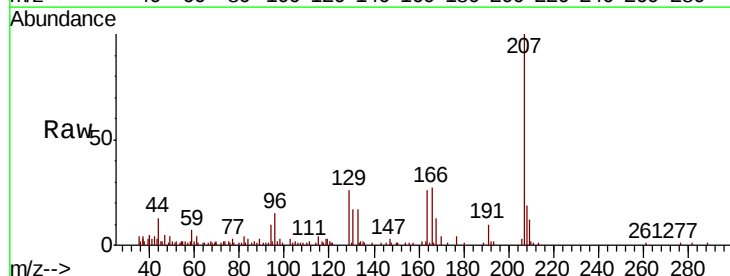
Instrument :
MSVOA_X
ClientSampled :
S32-0644

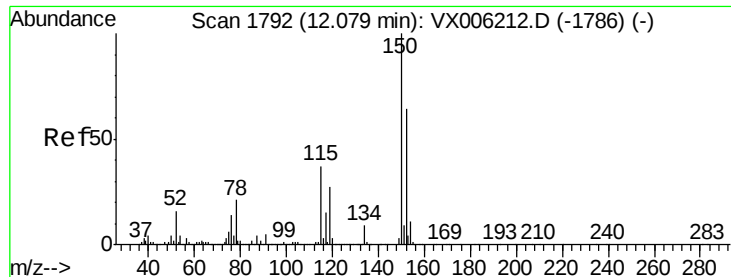
Tot Ion:117 Resp: 1154841
Ion Ratio Lower Upper
117 100
82 49.2 39.6 59.4
119 32.4 26.3 39.5



#64
Tetrachloroethene
Concen: 0.274 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006281.D
Acq: 04 Dec 2018 16:28

Tgt Ion:164 Resp: 2380
Ion Ratio Lower Upper
164 100
166 106.9 104.2 156.2
129 102.1 72.6 108.8
131 66.8 70.3 105.5#



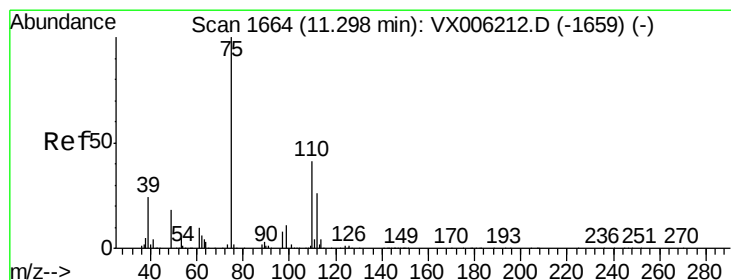
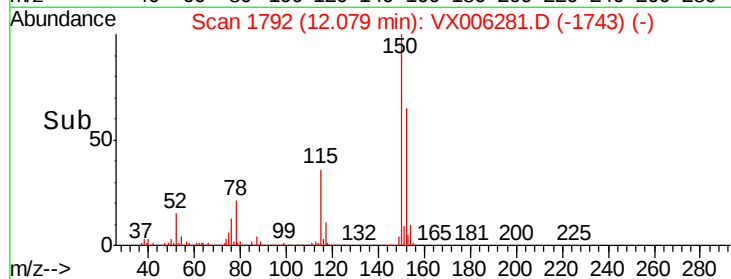
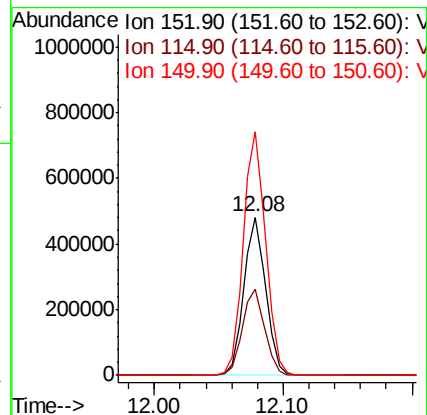
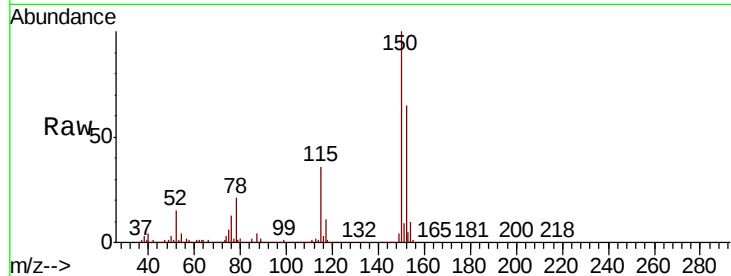


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006281.D
Acq: 04 Dec 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0644

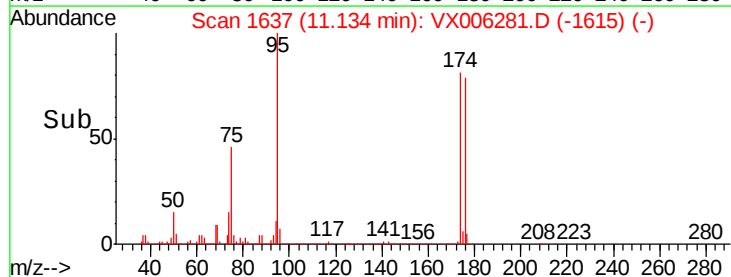
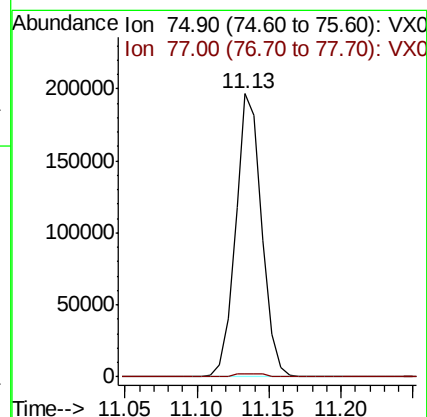
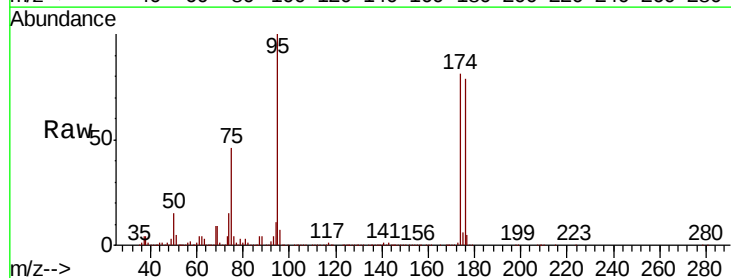
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.0	39.0	116.9
150	157.1	0.0	345.8

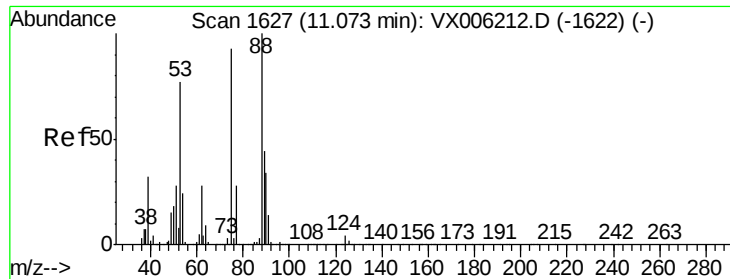


#76

1,2,3-Trichloropropane
Concen: 22.805 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006281.D
Acq: 04 Dec 2018 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.9	59.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 53.517 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006281.D

Acq: 04 Dec 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0644

Tot Ion: 75 Resp: 248706

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.4#

