

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005663.D
 Acq On : 29 Oct 2018 16:31
 Operator : JC/MD
 Sample : J5692-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CAL-IDW-20181025

Quant Time: Oct 30 01:59:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	225503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	328458	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	290684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140409	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	141242	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
35) Dibromofluoromethane	5.50	113	107999	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	8.72	98	384197	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.14	95	128427	42.55	ug/l	0.00
Spiked Amount			Recovery	=	85.10%	

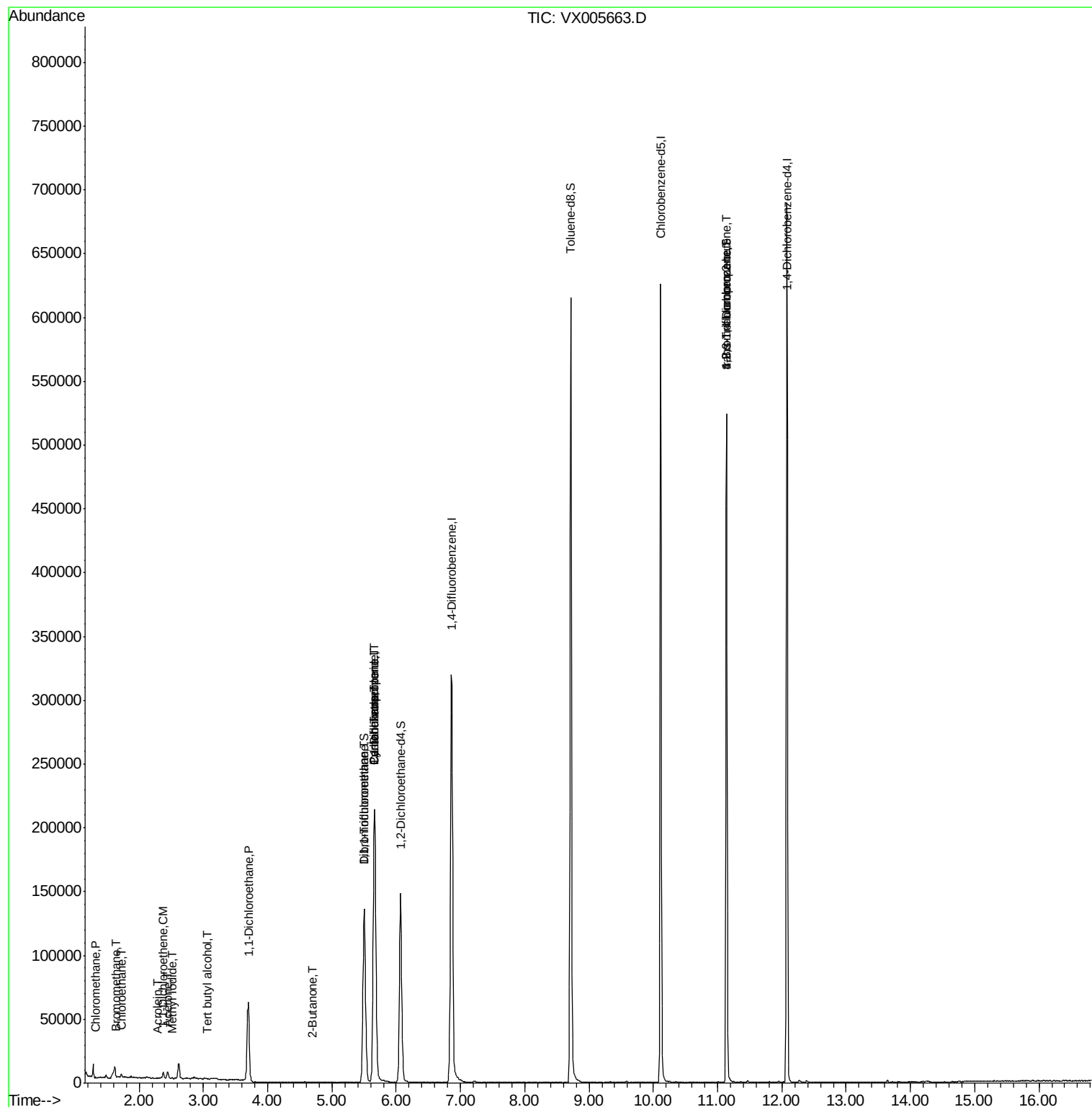
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	570	0.201	ug/l #	69
5) Bromomethane	1.64	94	624	0.360	ug/l	96
6) Chloroethane	1.73	64	6112	3.433	ug/l #	83
10) Methyl Iodide	2.51	142	308	2.851	ug/l #	79
11) Tert butyl alcohol	3.07	59	479	0.647	ug/l #	84
12) 1,1-Dichloroethene	2.37	96	1751	0.827	ug/l	85
13) Acrolein	2.29	56	80	0.212	ug/l #	1
16) Acetone	2.44	43	5918	4.069	ug/l	95
18) Methyl Acetate	2.78	43	219	Below Cal	#	55
24) 1,1-Dichloroethane	3.70	63	70504	15.719	ug/l	98
25) 2-Butanone	4.71	43	721	0.326	ug/l #	69
31) Cyclohexane	5.67	56	4097	1.104	ug/l #	1
32) 1,1,1-Trichloroethane	5.50	97	4548	1.228	ug/l #	48
36) 1,1-Dichloropropene	5.66	75	16166	5.072	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21185	6.310	ug/l #	18
76) 1,2,3-Trichloropropane	11.14	75	64688	21.744	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	64688	71.050	ug/l #	9

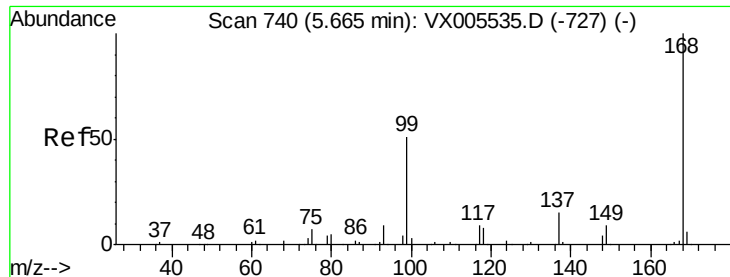
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 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: VX005663.D

Acq: 29 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

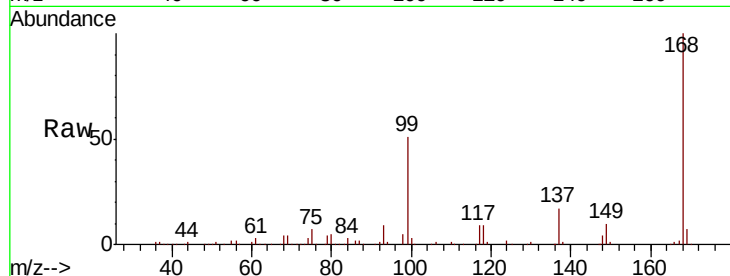
CAL-IDW-20181025

Tot Ion:168 Resp: 225503

Ion Ratio Lower Upper

168 100

99 51.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

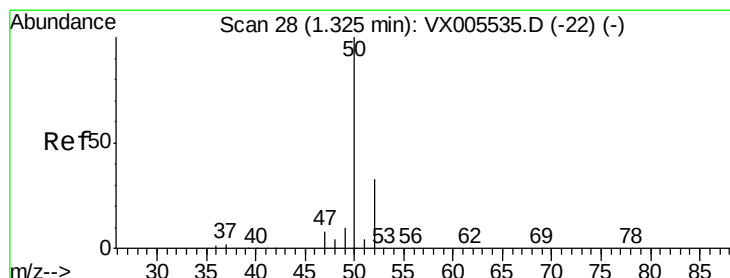
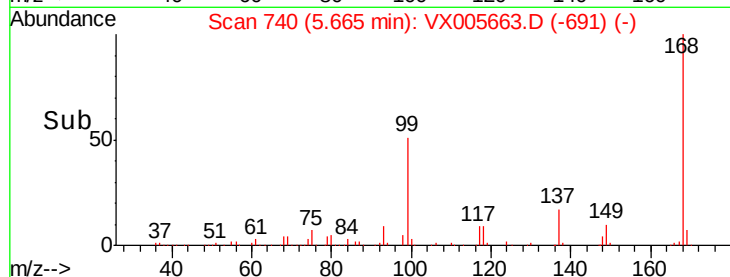
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.201 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005663.D

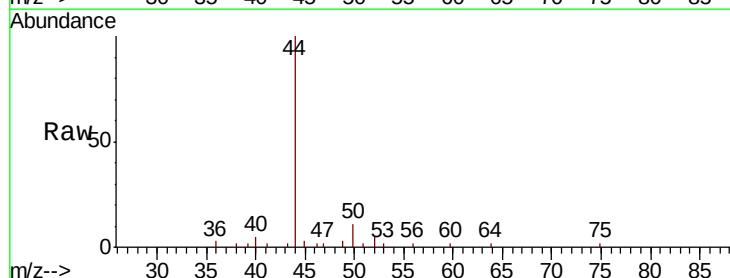
Acq: 29 Oct 2018 16:31

Tgt Ion: 50 Resp: 570

Ion Ratio Lower Upper

50 100

52 50.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

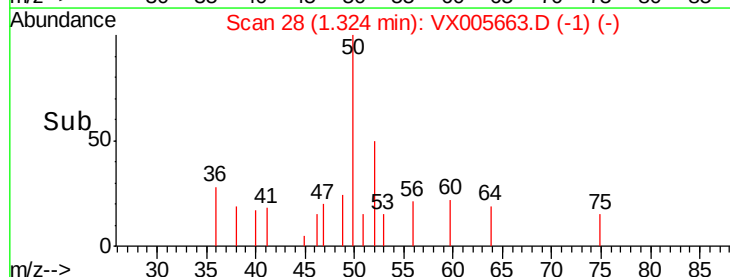
200

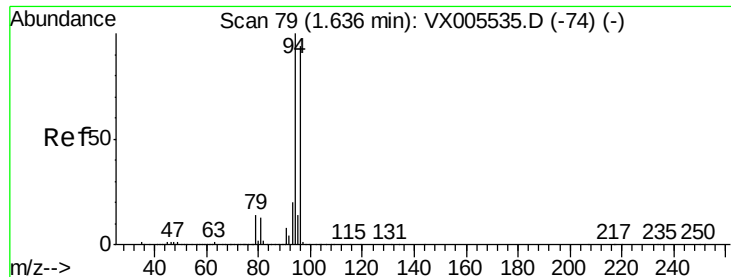
100

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 0.360 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005663.D

Acq: 29 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

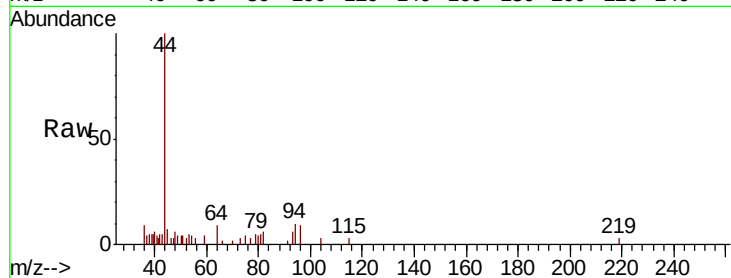
CAL-IDW-20181025

Tot Ion: 94 Resp: 624

Ion Ratio Lower Upper

94 100

96 90.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

150

100

50

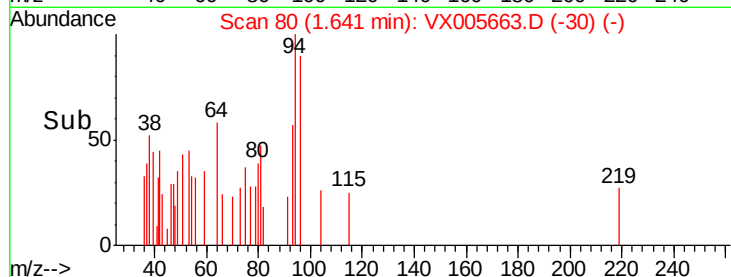
0

1.60

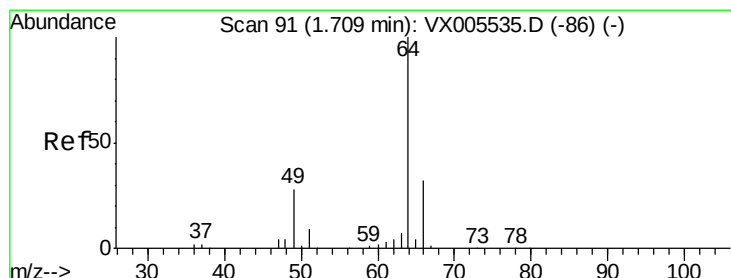
1.65

1.70

Time-->



Time-->



#6

Chloroethane

Concen: 3.433 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.02 min

Lab File: VX005663.D

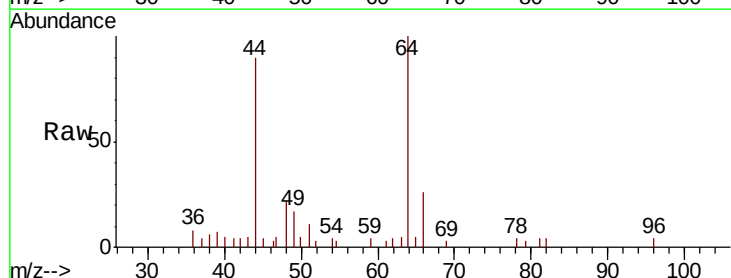
Acq: 29 Oct 2018 16:31

Tgt Ion: 64 Resp: 6112

Ion Ratio Lower Upper

64 100

66 22.7 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2000

1500

1000

500

0

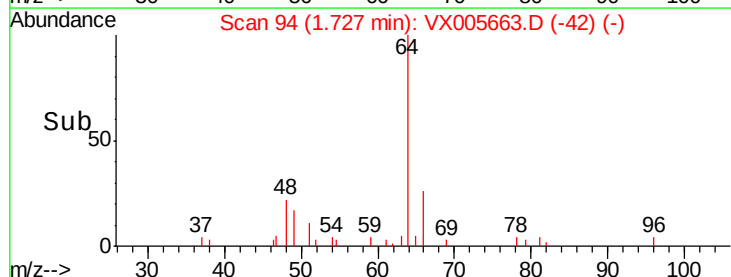
1.50

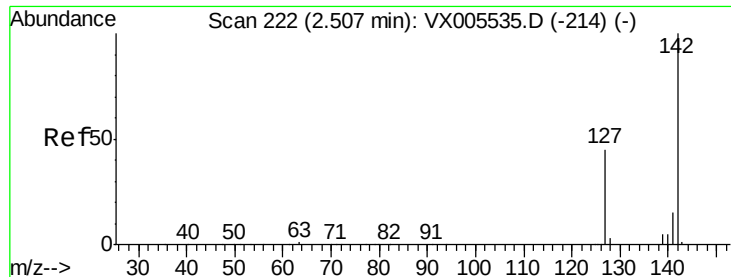
1.60

1.70

1.80

Time-->

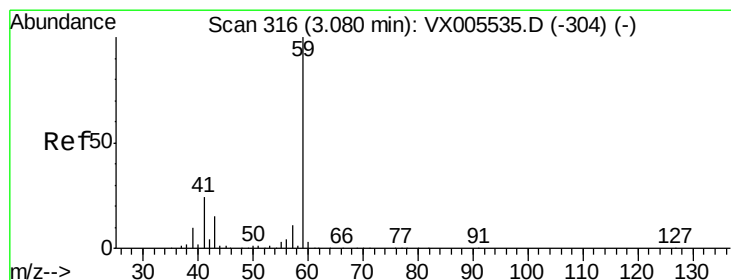
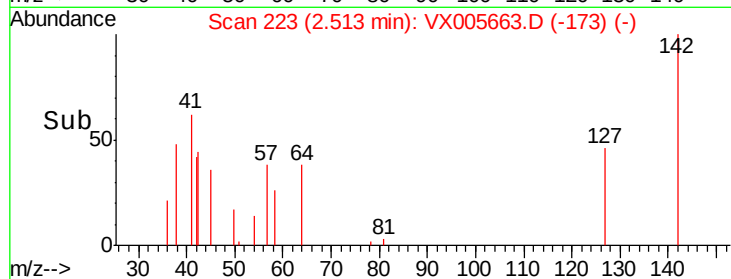
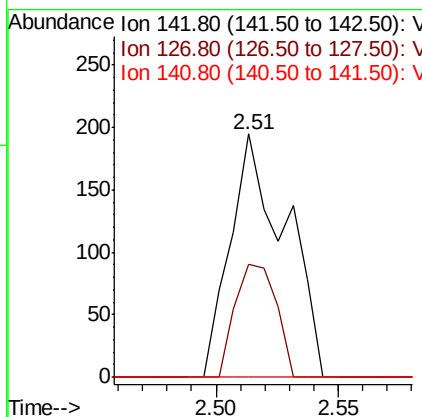
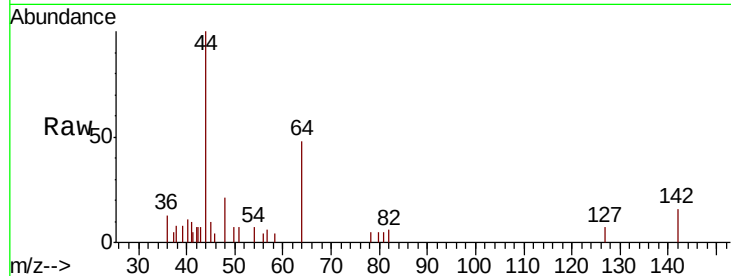




#10
Methvl Iodide
Concen: 2.851 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005663.D
Acq: 29 Oct 2018 16:31

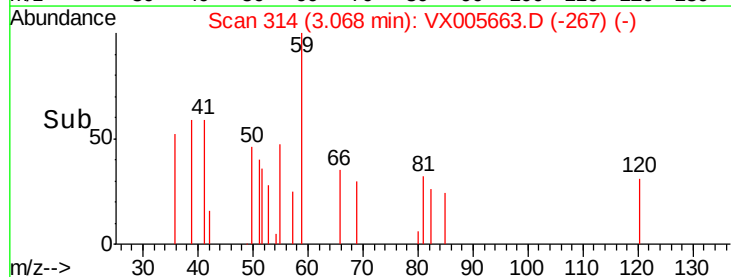
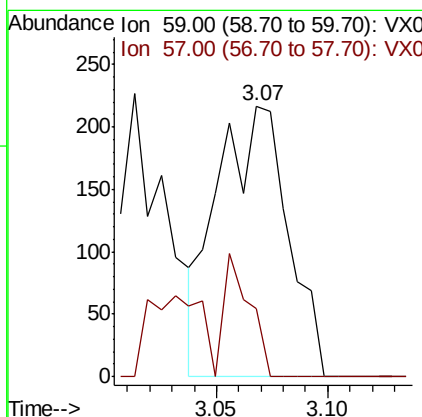
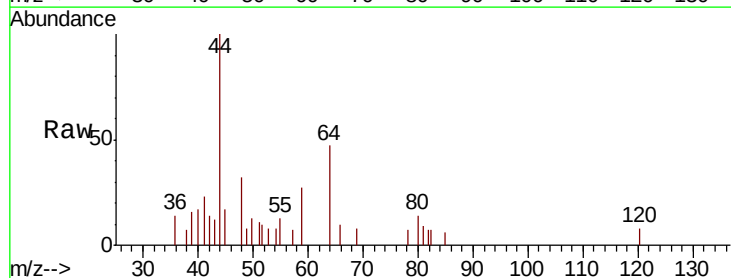
Instrument :
MSVOA_X
ClientSampleId :
CAL-IDW-20181025

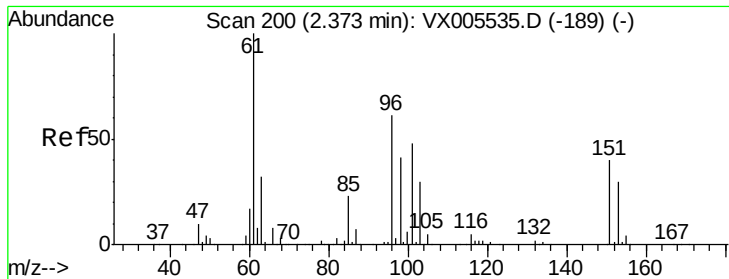
Tot Ion:142 Resp: 308
Ion Ratio Lower Upper
142 100
127 34.4 36.0 54.0#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.647 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005663.D
Acq: 29 Oct 2018 16:31

Tgt Ion: 59 Resp: 479
Ion Ratio Lower Upper
59 100
57 16.5 8.5 12.7#

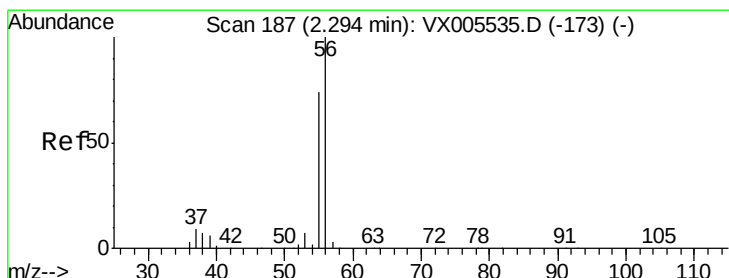
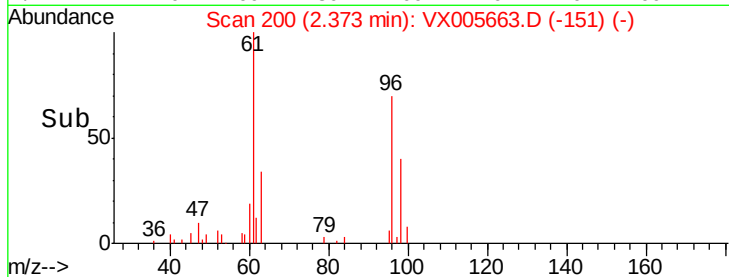
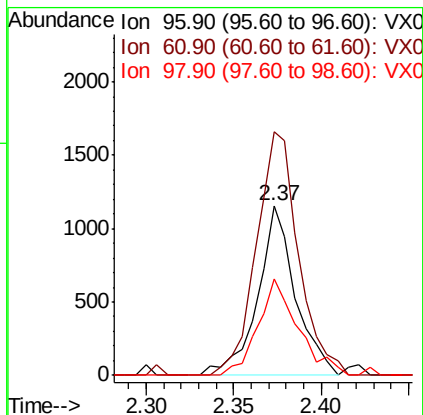
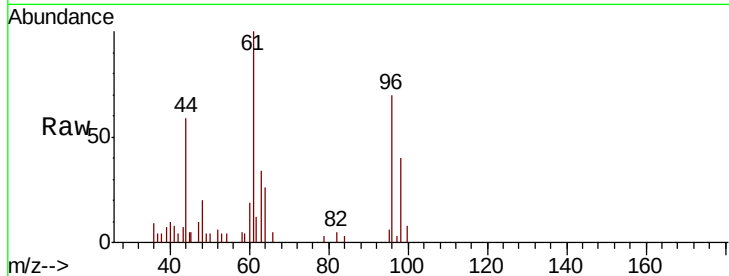




#12
 1,1-Dichloroethene
 Concen: 0.827 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005663.D
 Acq: 29 Oct 2018 16:31

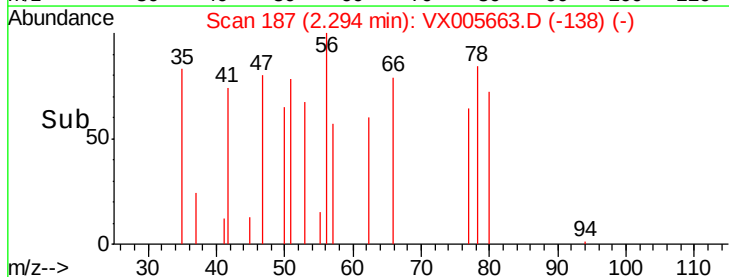
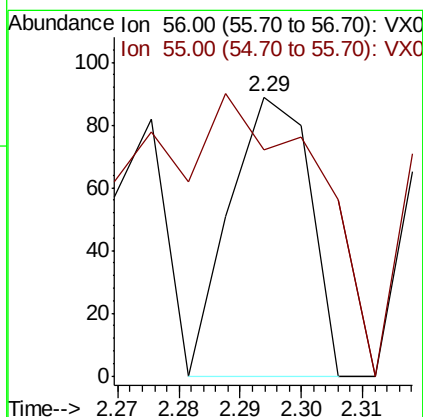
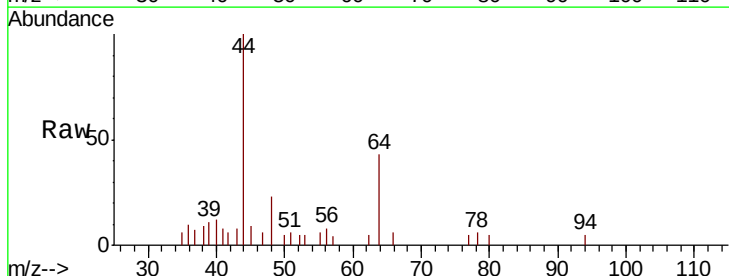
Instrument :
 MSVOA_X
 ClientSampleId :
 CAL-IDW-20181025

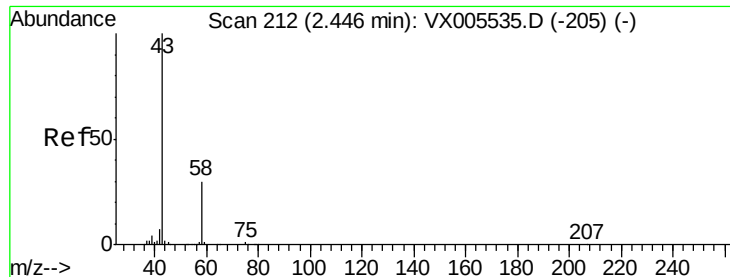
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	131.8	197.8
98	56.9	53.4	80.2



#13
 Acrolein
 Concen: 0.212 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX005663.D
 Acq: 29 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
56	100		
55	226.3	57.3	85.9#





#16

Acetone

Concen: 4.069 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005663.D

Acq: 29 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

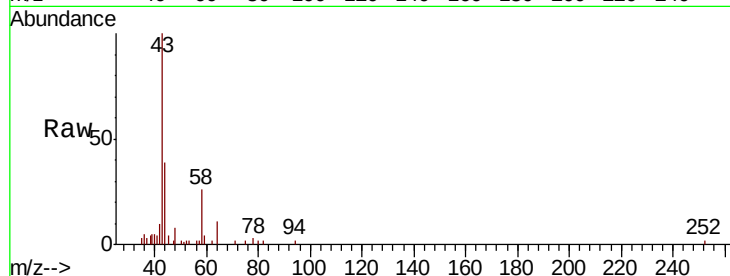
CAL-IDW-20181025

Tot Ion: 43 Resp: 5918

Ion Ratio Lower Upper

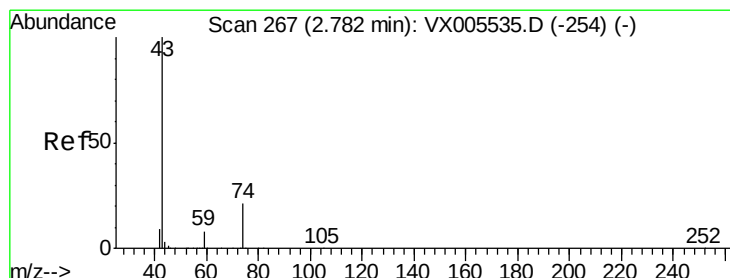
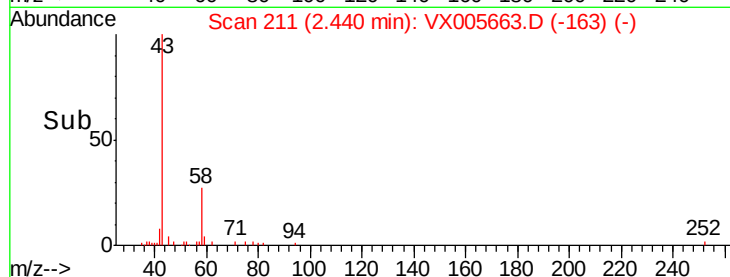
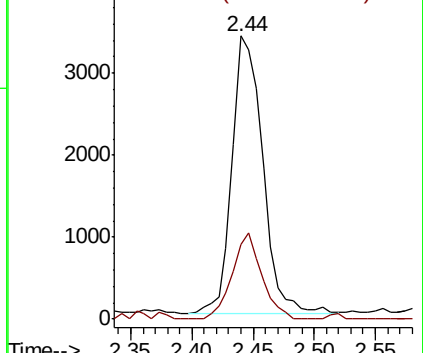
43 100

58 26.8 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005663.D

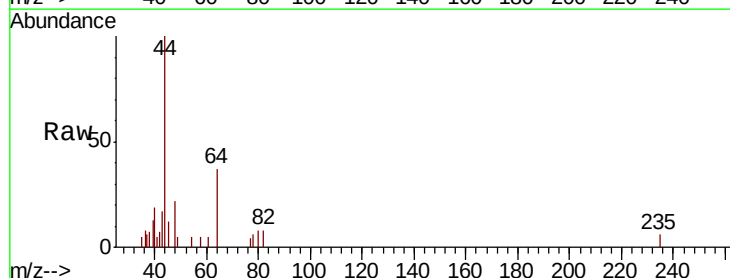
Acq: 29 Oct 2018 16:31

Tgt Ion: 43 Resp: 219

Ion Ratio Lower Upper

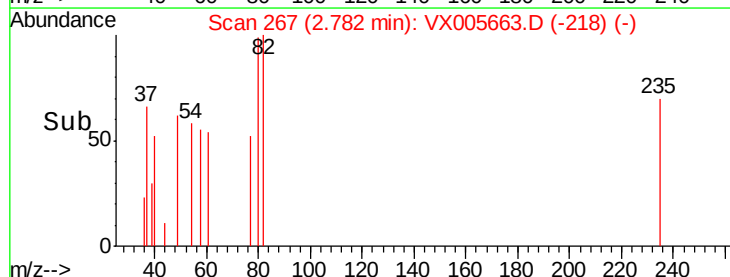
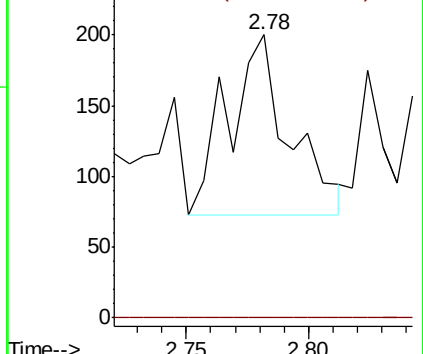
43 100

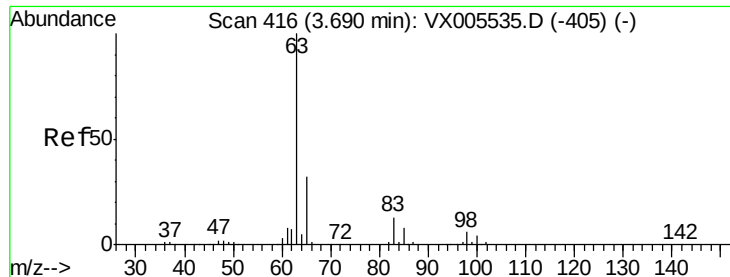
74 0.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#24

1,1-Dichloroethane

Concen: 15.719 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX005663.D

Acq: 29 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

CAL-IDW-20181025

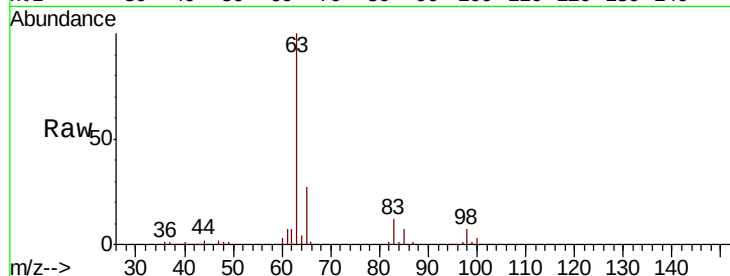
Tot Ion: 63 Resp: 70504

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

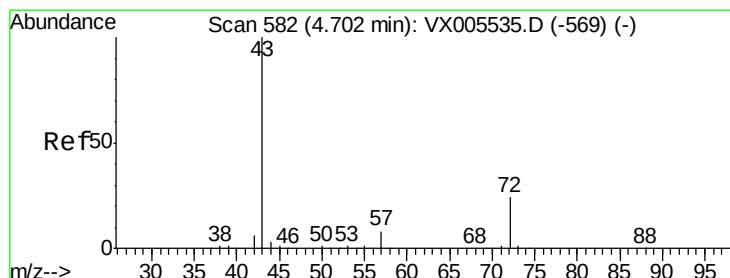
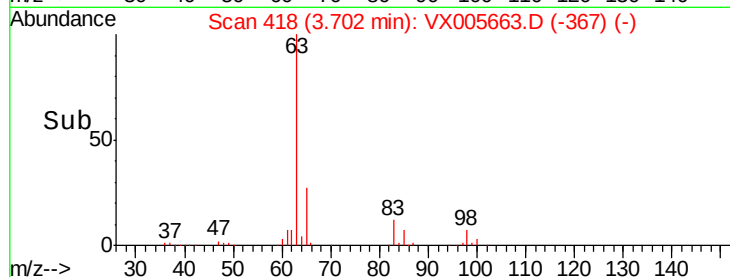
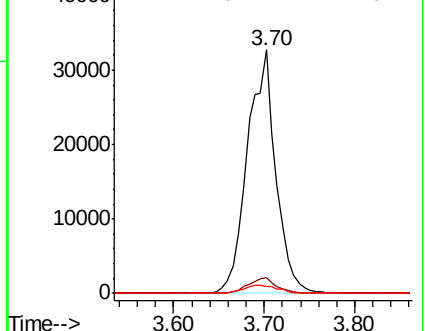
100 3.1 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 0.326 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX005663.D

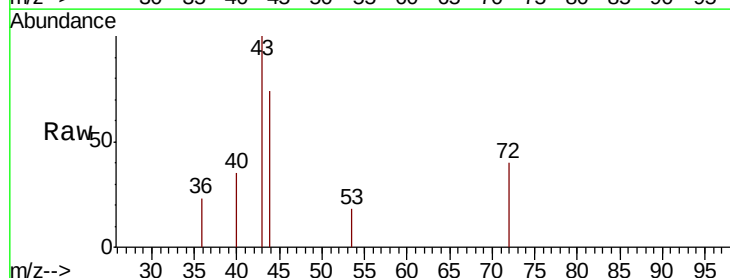
Acq: 29 Oct 2018 16:31

Tgt Ion: 43 Resp: 721

Ion Ratio Lower Upper

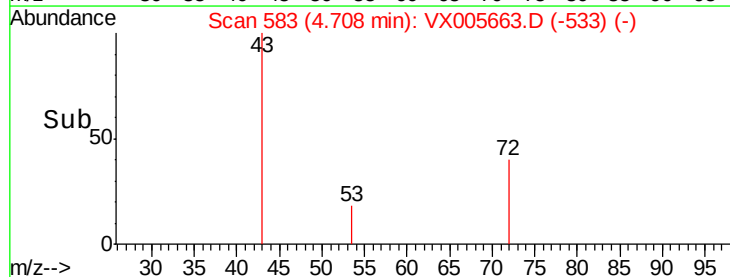
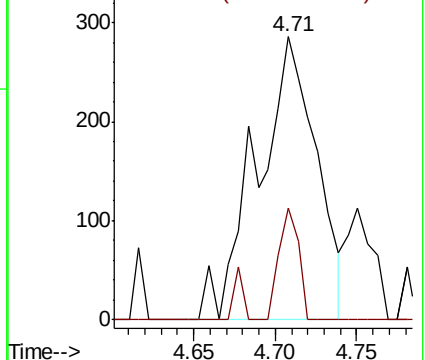
43 100

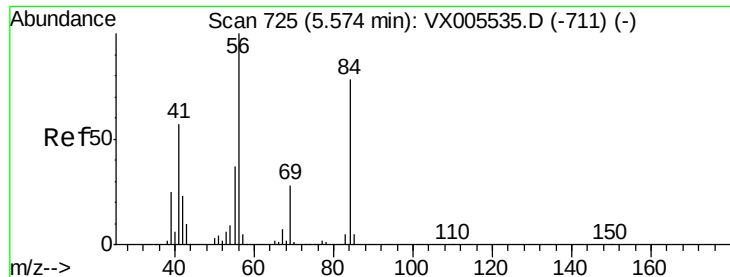
72 39.5 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

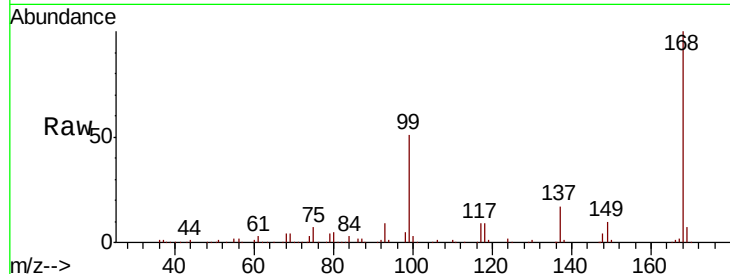




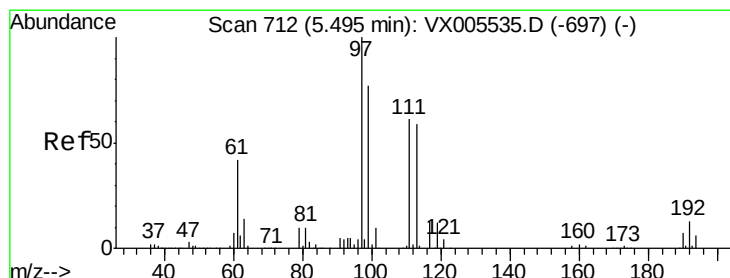
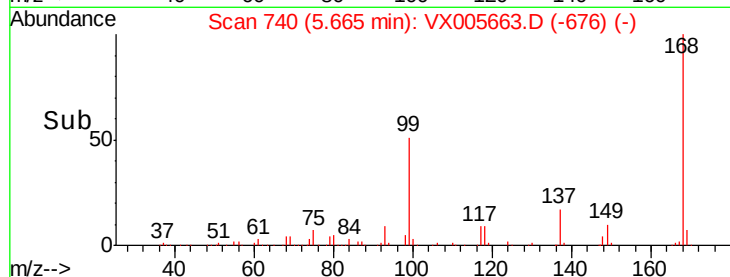
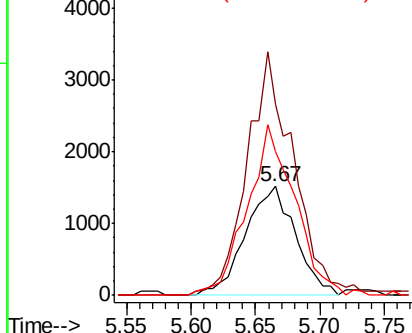
#31
Cyclohexane
Concen: 1.104 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005663.D
Acq: 29 Oct 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
CAL-IDW-20181025

Tot Ion: 56 Resp: 4097
Ion Ratio Lower Upper
56 100
69 176.4 22.6 34.0#
84 132.8 62.7 94.1#

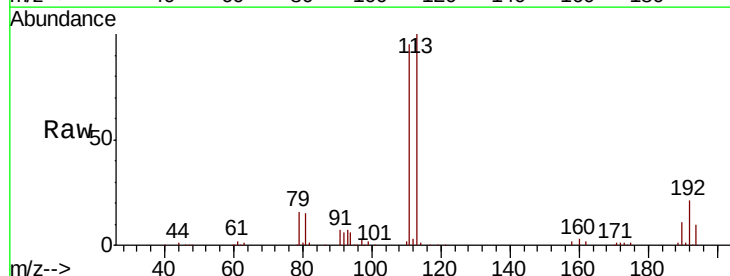


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

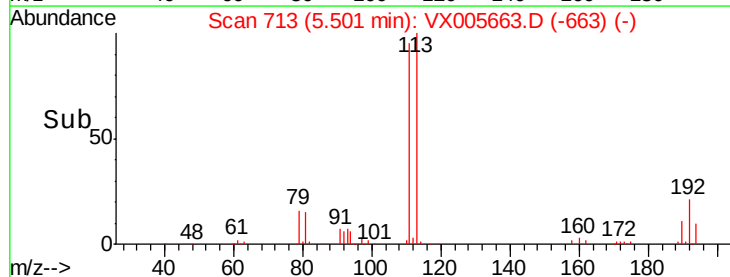
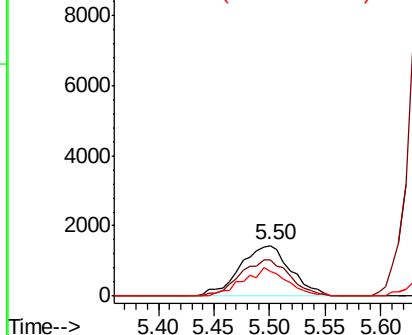


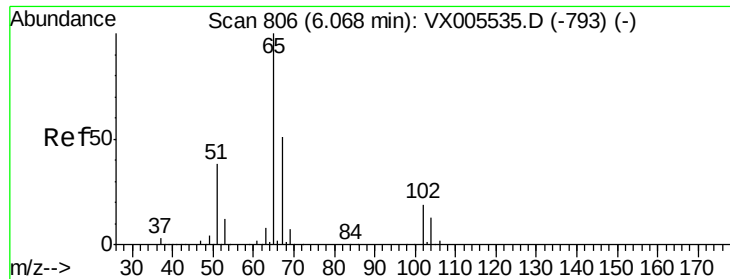
#32
1,1,1-Trichloroethane
Concen: 1.228 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX005663.D
Acq: 29 Oct 2018 16:31

Tgt Ion: 97 Resp: 4548
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 47.9 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

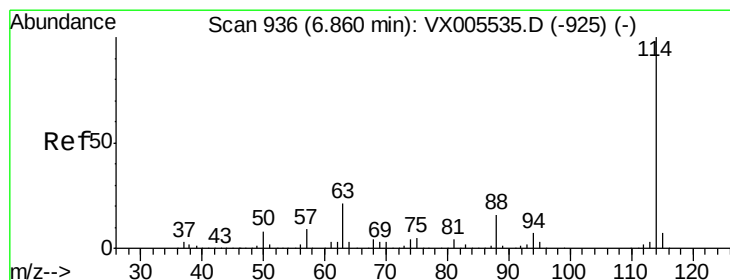
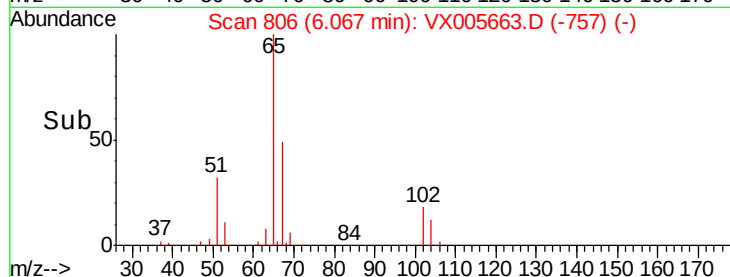
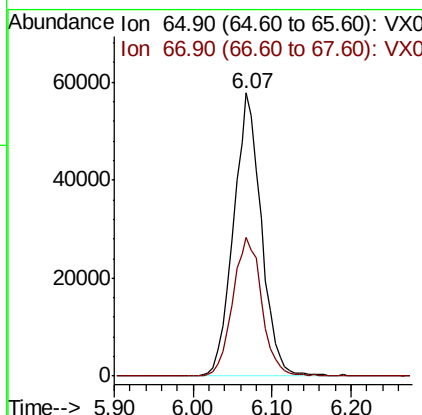
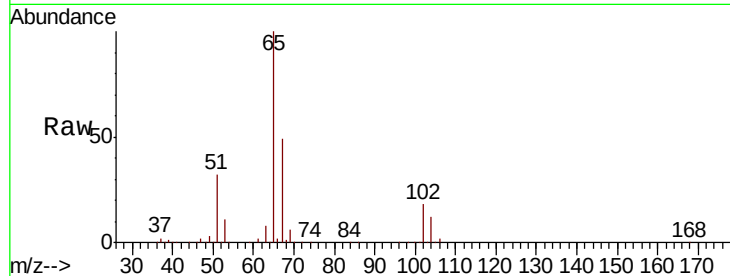




#33
 1,2-Dichloroethane-d4
 Concen: 51.310 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005663.D
 Acq: 29 Oct 2018 16:31

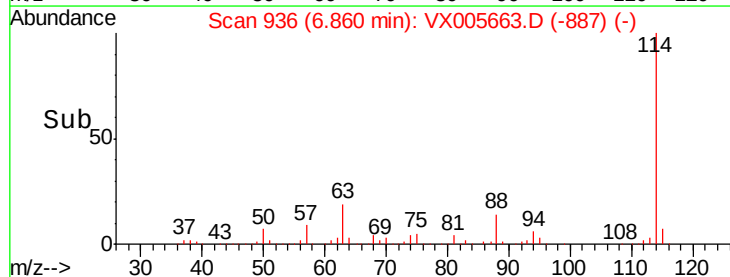
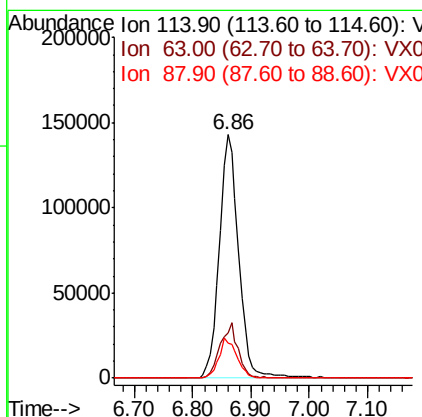
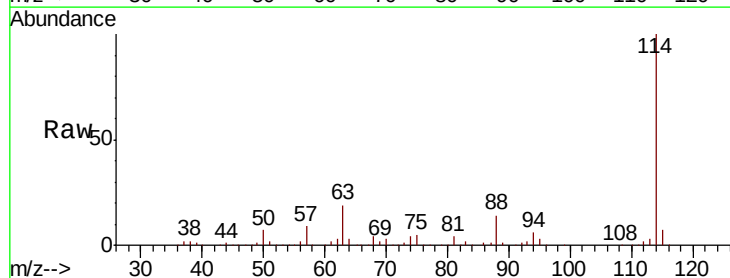
Instrument :
 MSVOA_X
 ClientSampleId :
 CAL-IDW-20181025

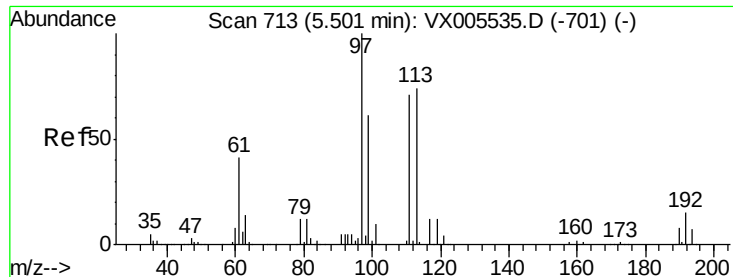
Tot Ion: 65 Resp: 141242
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005663.D
 Acq: 29 Oct 2018 16:31

Tgt Ion: 114 Resp: 328458
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 42.8
 88 14.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.560 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005663.D

Acq: 29 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

CAL-IDW-20181025

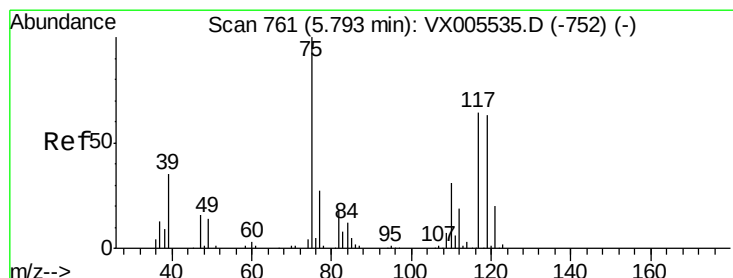
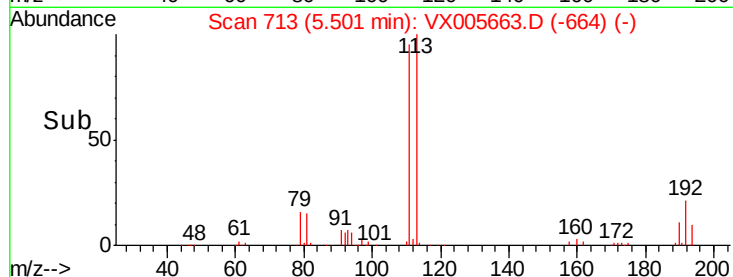
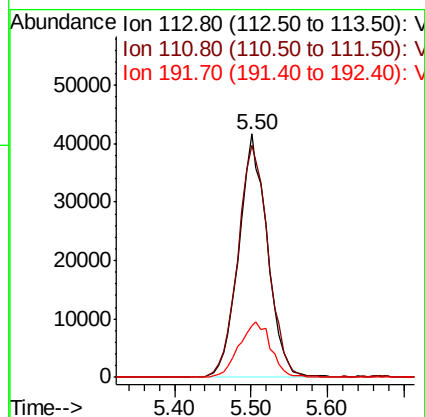
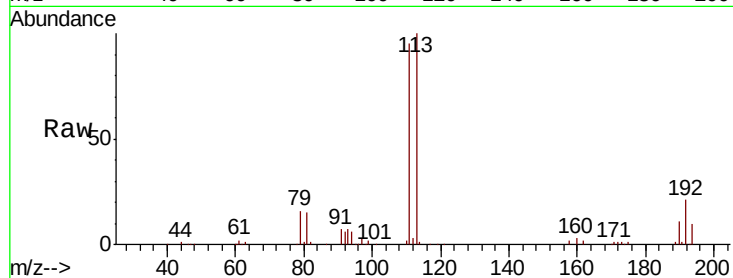
Tot Ion:113 Resp: 107999

Ion Ratio Lower Upper

113 100

111 101.6 82.3 123.5

192 25.2 17.9 26.9



#36

1,1-Dichloropropene

Concen: 5.072 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005663.D

Acq: 29 Oct 2018 16:31

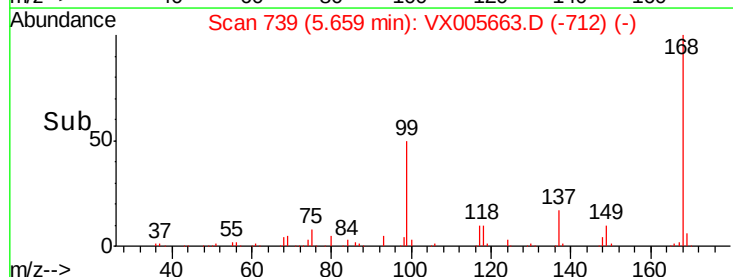
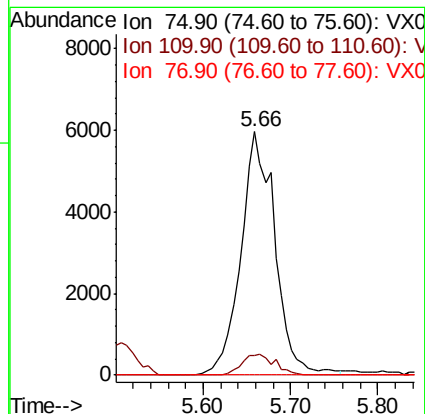
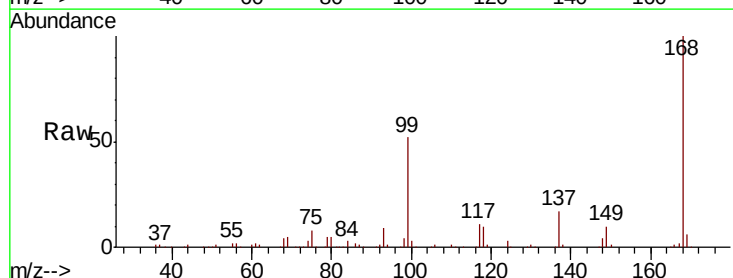
Tgt Ion: 75 Resp: 16166

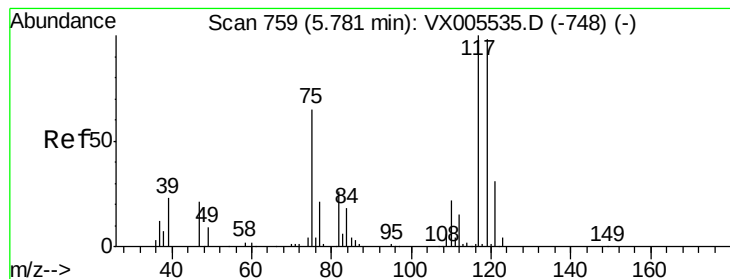
Ion Ratio Lower Upper

75 100

110 8.4 17.4 52.2#

77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.310 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005663.D

Acq: 29 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

CAL-IDW-20181025

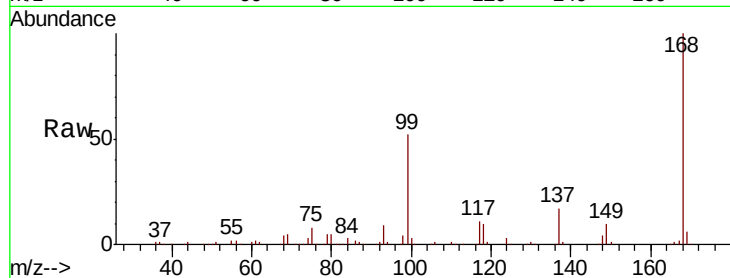
Tot Ion:117 Resp: 21185

Ion Ratio Lower Upper

117 100

119 8.3 78.1 117.1#

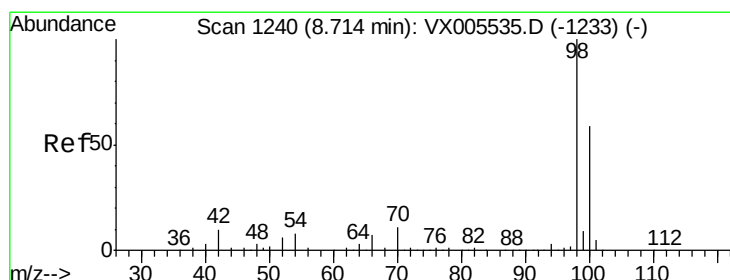
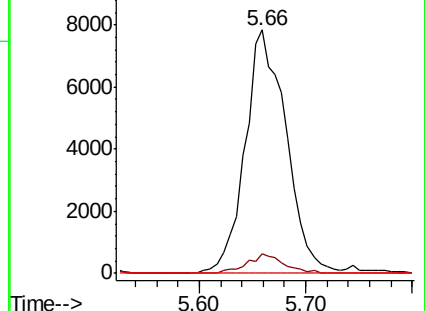
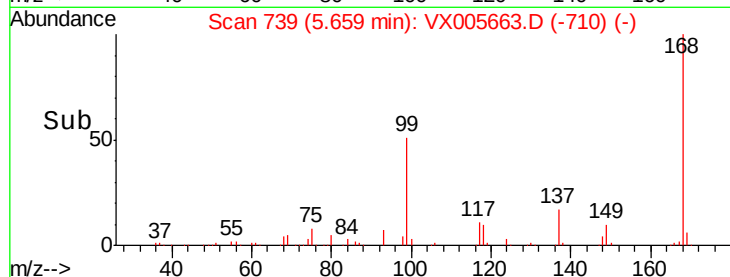
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 48.076 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX005663.D

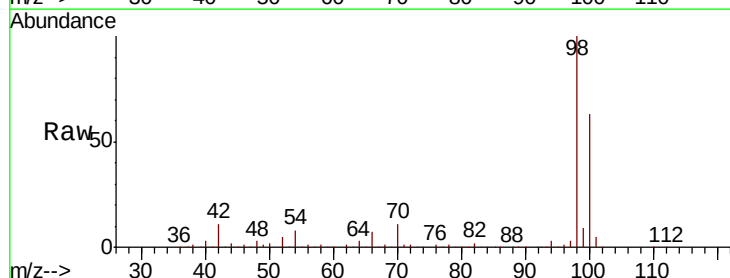
Acq: 29 Oct 2018 16:31

Tgt Ion: 98 Resp: 384197

Ion Ratio Lower Upper

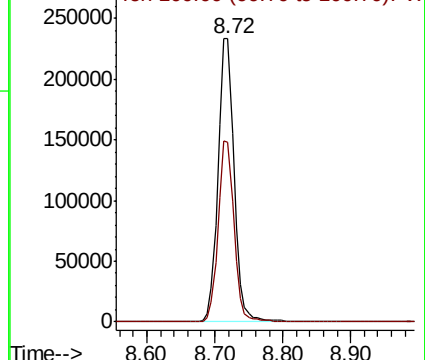
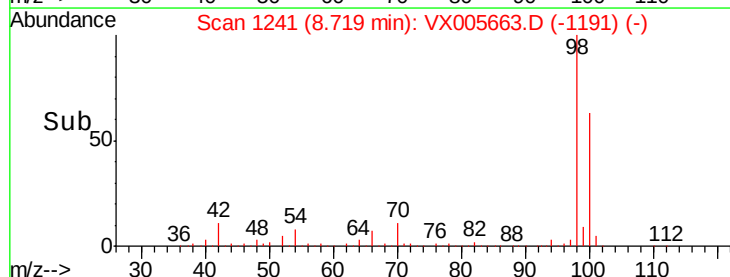
98 100

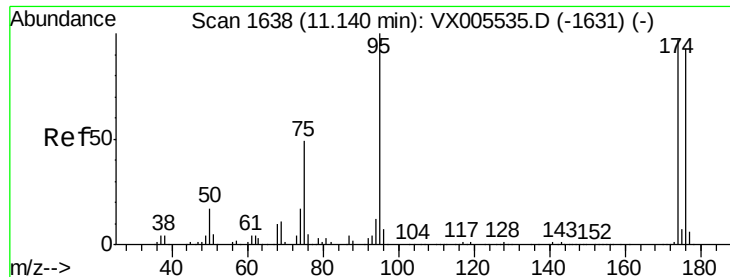
100 63.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

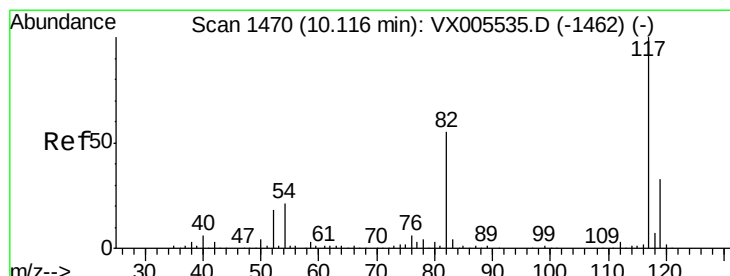
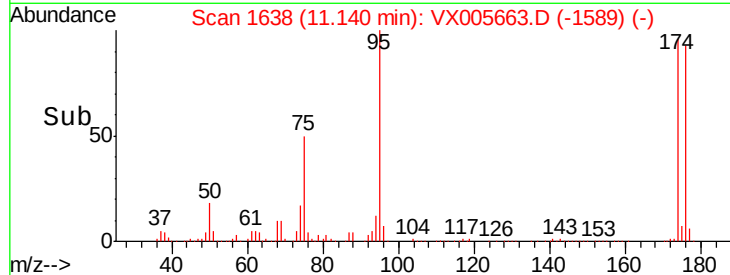
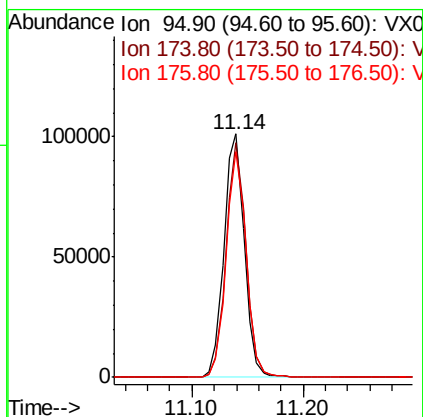
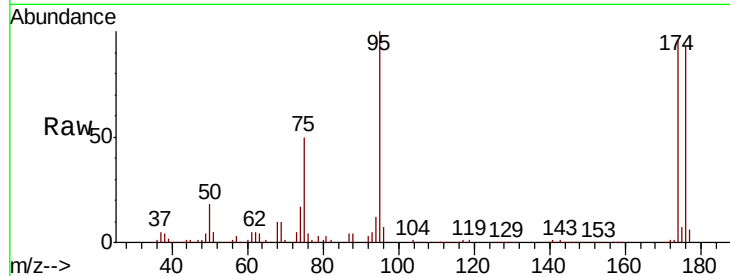




#62
4-Bromofluorobenzene
Concen: 42.555 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005663.D
Acq: 29 Oct 2018 16:31

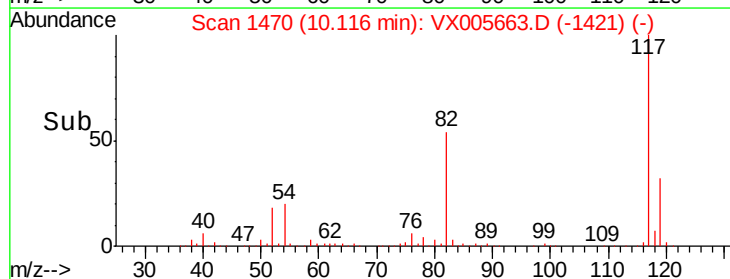
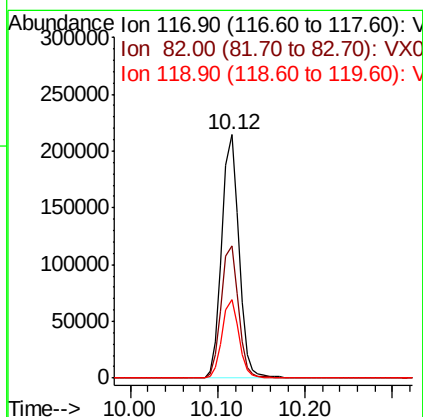
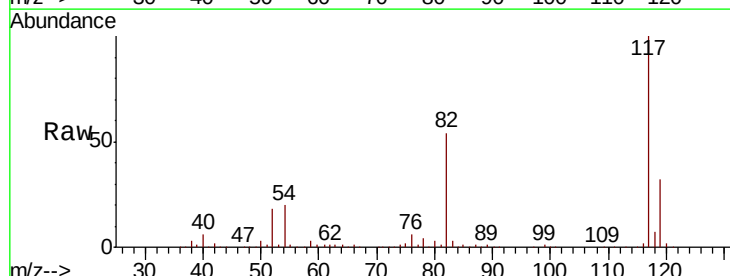
Instrument :
MSVOA_X
ClientSampleId :
CAL-IDW-20181025

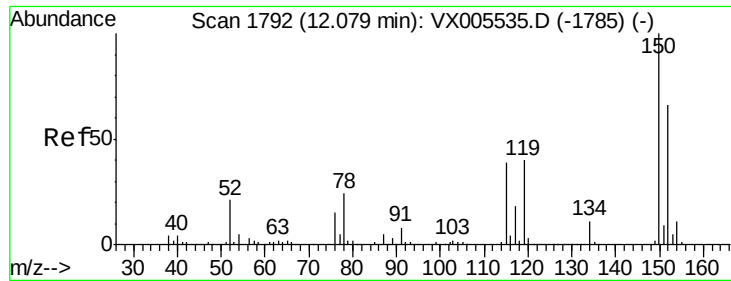
Tot Ion: 95 Resp: 128427
Ion Ratio Lower Upper
95 100
174 93.9 0.0 184.4
176 91.1 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005663.D
Acq: 29 Oct 2018 16:31

Tgt Ion: 117 Resp: 290684
Ion Ratio Lower Upper
117 100
82 54.1 44.1 66.1
119 32.4 26.2 39.2



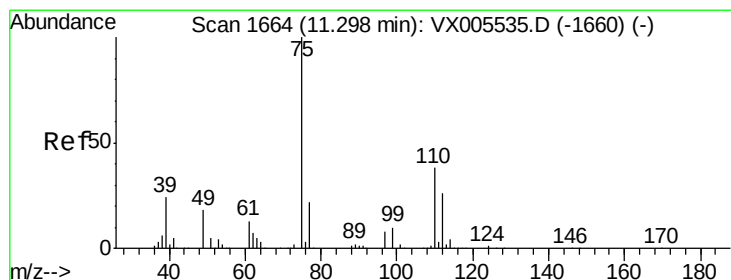
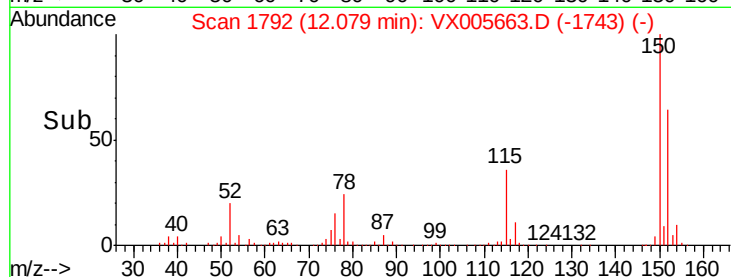
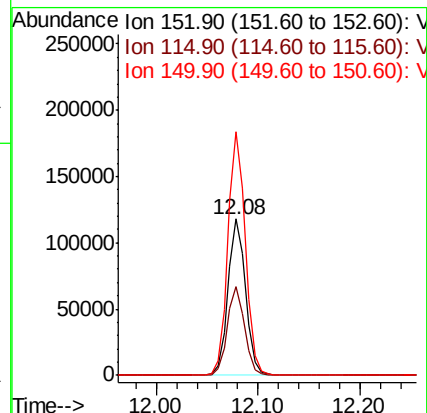
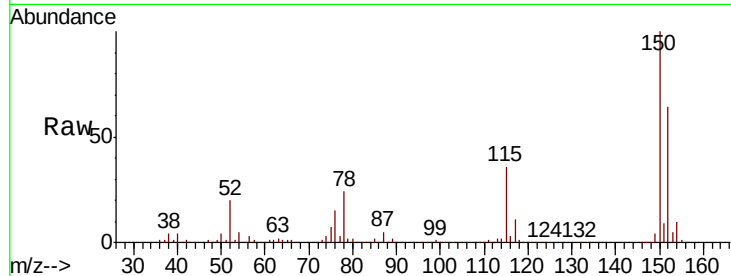


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005663.D
Acq: 29 Oct 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
CAL-IDW-20181025

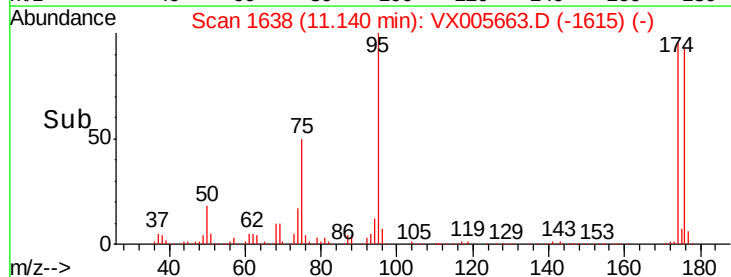
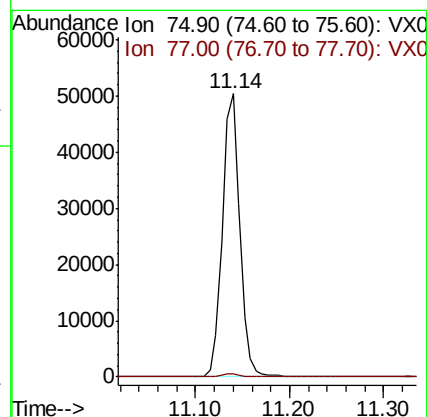
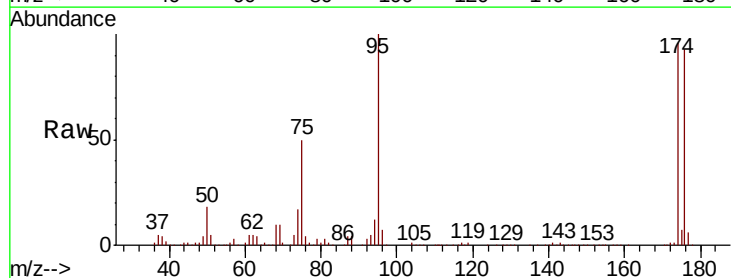
Tot Ion:152 Resp: 140409
Ion Ratio Lower Upper
152 100
115 56.0 39.4 118.1
150 155.6 0.0 346.4

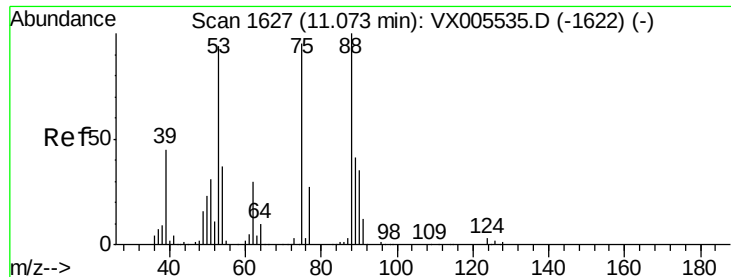


#76

1,2,3-Trichloropropane
Concen: 21.744 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005663.D
Acq: 29 Oct 2018 16:31

Tgt Ion: 75 Resp: 64688
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 71.050 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005663.D

Acq: 29 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

CAL-IDW-20181025

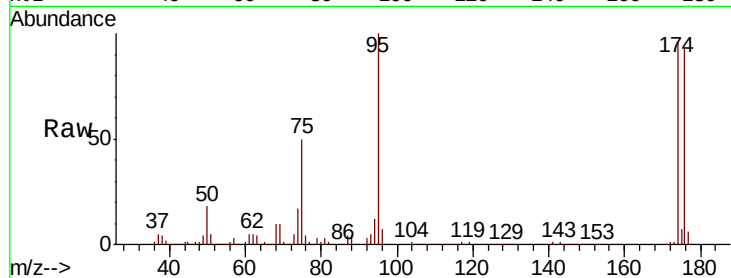
Tot Ion: 75 Resp: 64688

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#



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

