

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002849.D
 Acq On : 22 Jun 2018 23:31
 Operator : JC/MD
 Sample : J3631-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 23 00:28:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329389	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	305329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	168902	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	159256	44.23	ug/l	0.00
Spiked Amount			Recovery	=	88.46%	
35) Dibromofluoromethane	5.51	113	124754	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	8.72	98	463859	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
62) 4-Bromofluorobenzene	11.14	95	160950	42.55	ug/l	0.00
Spiked Amount			Recovery	=	85.10%	

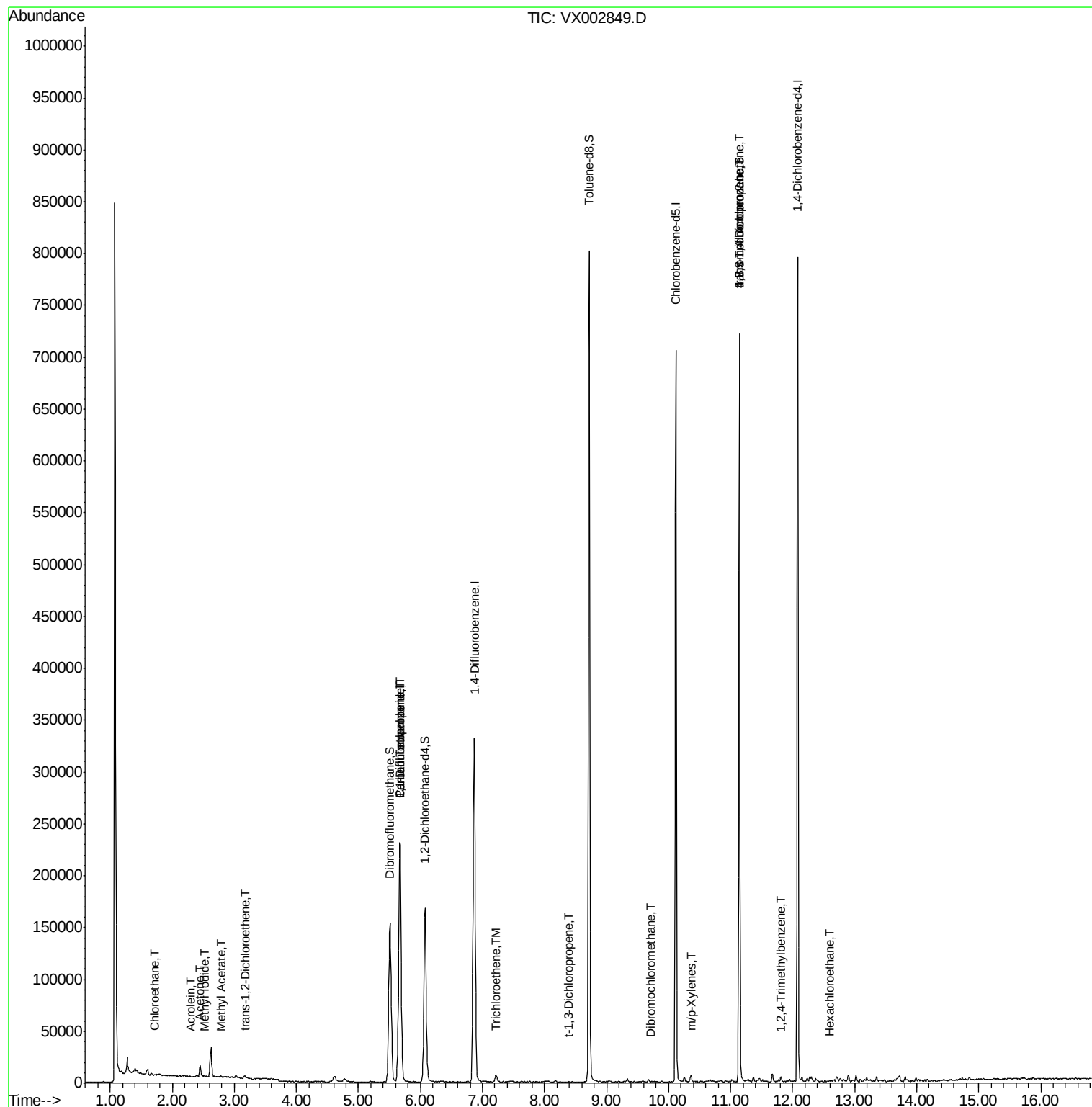
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	471	0.23	ug/l #	43
10) Methyl Iodide	2.52	142	1581	5.55	ug/l	99
13) Acrolein	2.30	56	253	7.57	ug/l #	46
16) Acetone	2.45	43	10943	6.89	ug/l	100
18) Methyl Acetate	2.78	43	1038	0.25	ug/l #	81
21) trans-1,2-Dichloroethene	3.17	96	680	0.24	ug/l #	78
36) 1,1-Dichloropropene	5.67	75	16121	4.61	ug/l #	51
38) Carbon Tetrachloride	5.67	117	21415	6.15	ug/l #	17
44) Trichloroethene	7.23	130	2543	0.84	ug/l	85
53) t-1,3-Dichloropropene	8.40	75	20	2.40	ug/l #	43
60) Dibromochloromethane	9.71	129	20	3.77	ug/l #	11
68) m/p-Xylenes	10.37	106	1272	0.26	ug/l	93
76) 1,2,3-Trichloropropane	11.14	75	86111	27.02	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	86111	83.40	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	2093	0.21	ug/l	95
90) Hexachloroethane	12.59	117	120	2.70	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002849.D

Acq: 22 Jun 2018 23:31

Instrument :

MSVOA_X

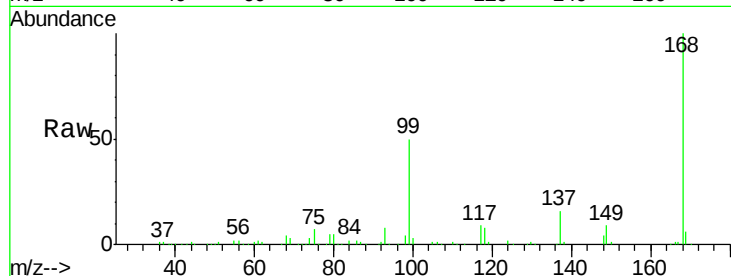
ClientSampleId :

Tot Ion:168 Resp: 236920

Ion Ratio Lower Upper

168 100

99 50.4 39.3 58.9

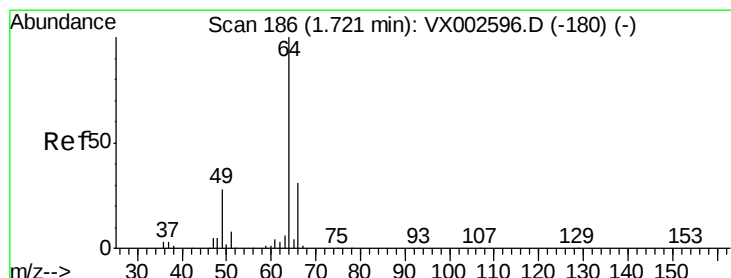
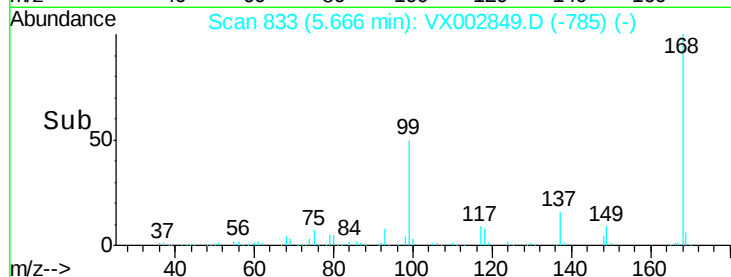


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#6

Chloroethane

Concen: 0.23 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002849.D

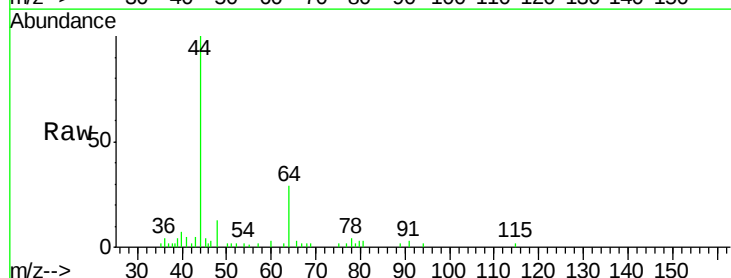
Acq: 22 Jun 2018 23:31

Tgt Ion: 64 Resp: 471

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

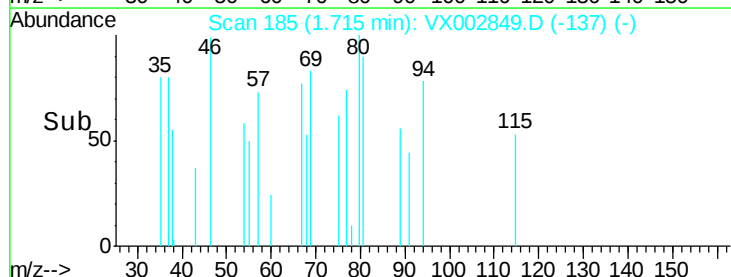


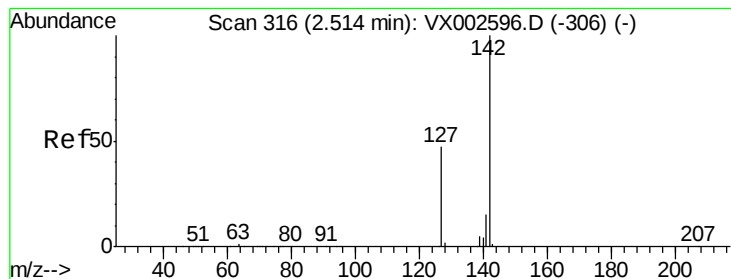
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

Time-->





#10

Methvl Iodide

Concen: 5.55 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002849.D

Acq: 22 Jun 2018 23:31

Instrument :

MSVOA_X

ClientSampled :

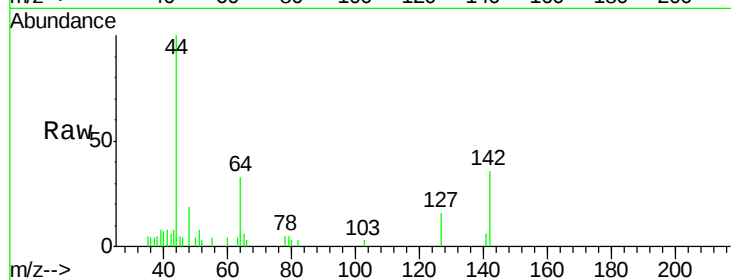
Tot Ion:142 Resp: 1581

Ion Ratio Lower Upper

142 100

127 46.0 36.6 55.0

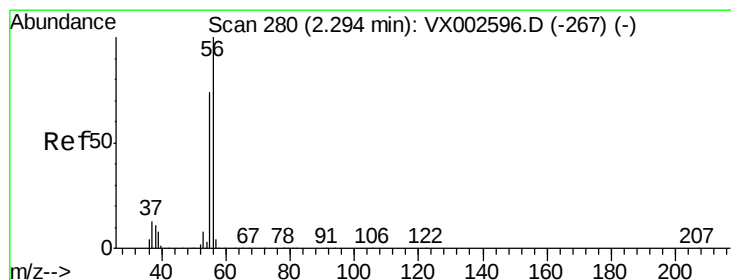
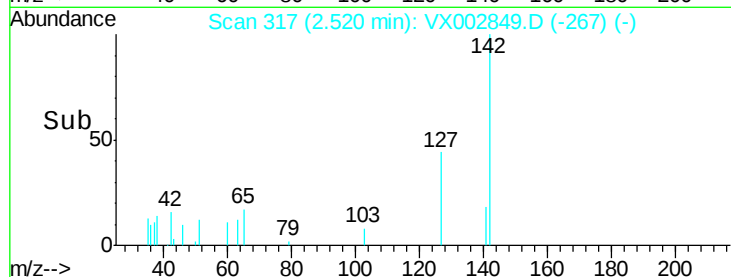
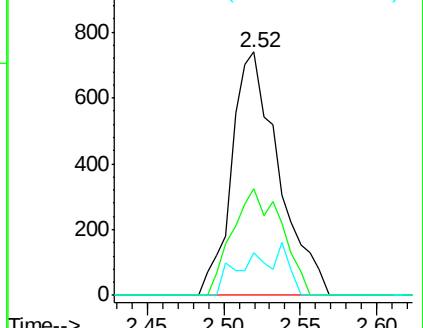
141 12.9 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 7.57 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002849.D

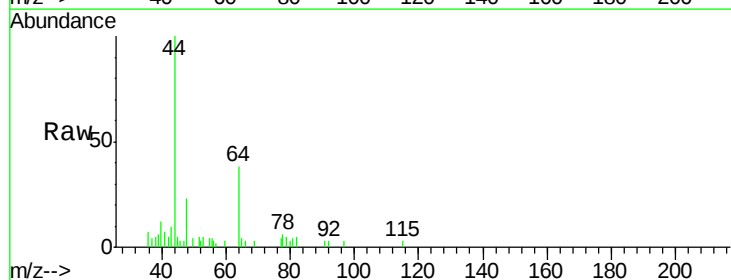
Acq: 22 Jun 2018 23:31

Tgt Ion: 56 Resp: 253

Ion Ratio Lower Upper

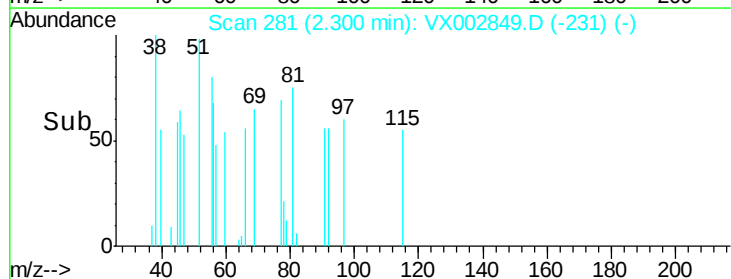
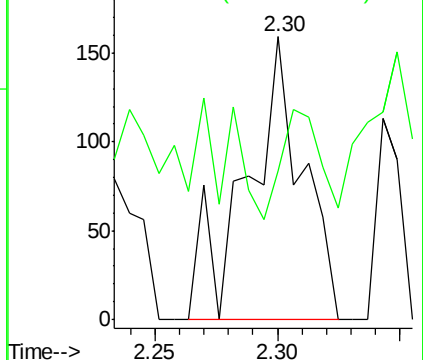
56 100

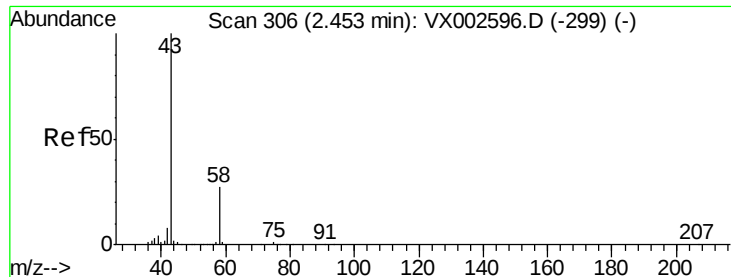
55 26.9 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 6.89 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002849.D

Acq: 22 Jun 2018 23:31

Instrument :

MSVOA_X

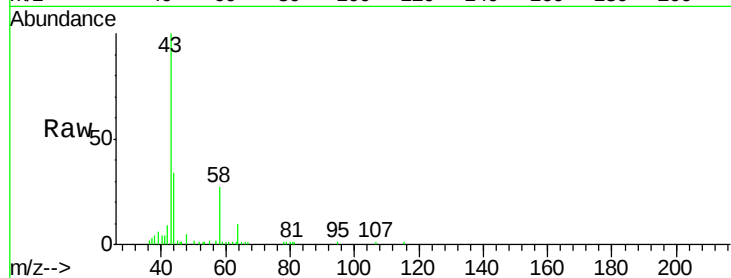
ClientSampleId :

Tot Ion: 43 Resp: 10943

Ion Ratio Lower Upper

43 100

58 27.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

8000

6000

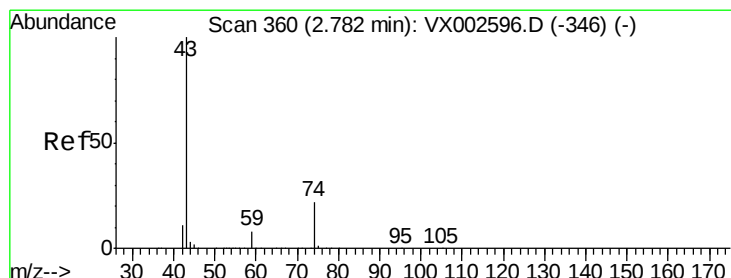
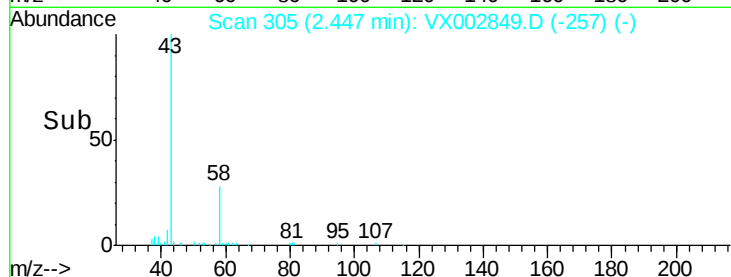
4000

2000

0

Time-->

2.40 2.45 2.50



#18

Methyl Acetate

Concen: 0.25 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002849.D

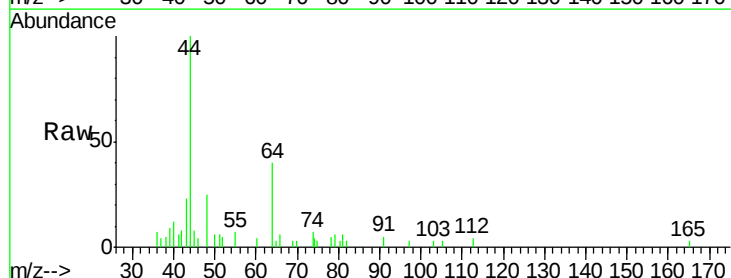
Acq: 22 Jun 2018 23:31

Tgt Ion: 43 Resp: 1038

Ion Ratio Lower Upper

43 100

74 29.7 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

500

400

300

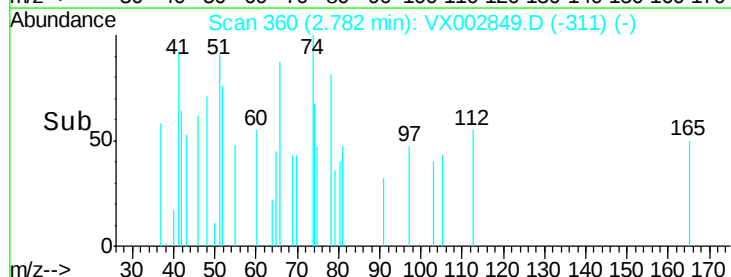
200

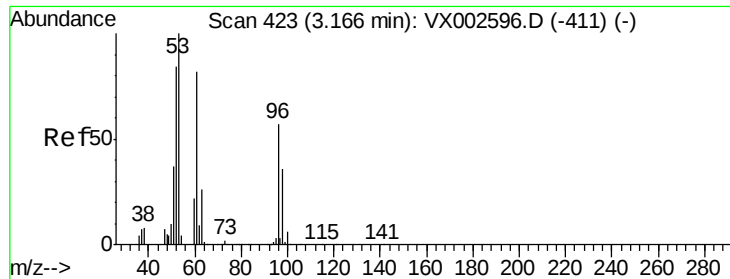
100

0

Time-->

2.75 2.80





#21

trans-1,2-Dichloroethene

Concen: 0.24 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002849.D

Acq: 22 Jun 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

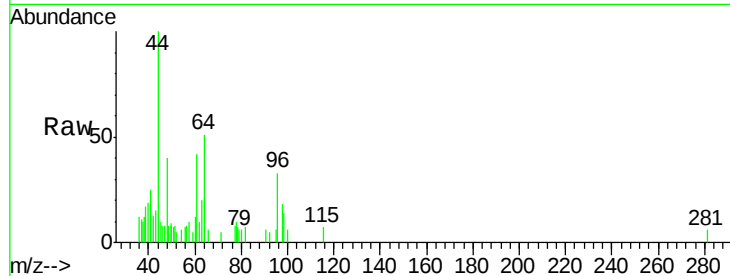
Tot Ion: 96 Resp: 680

Ion Ratio Lower Upper

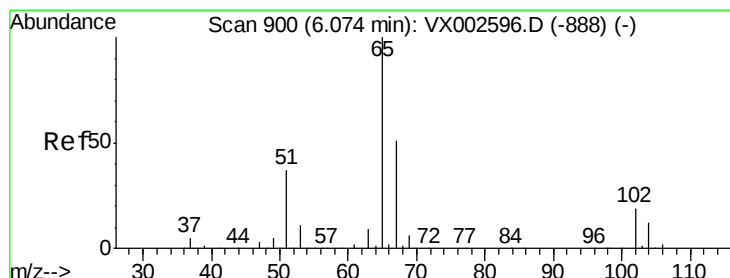
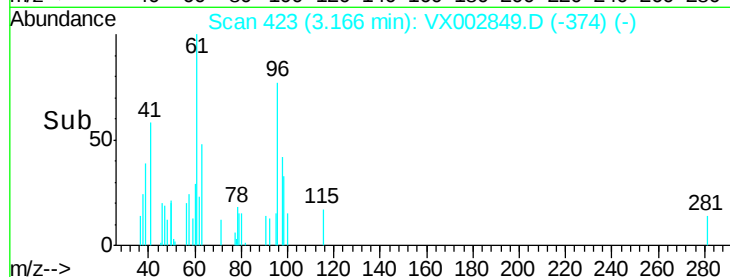
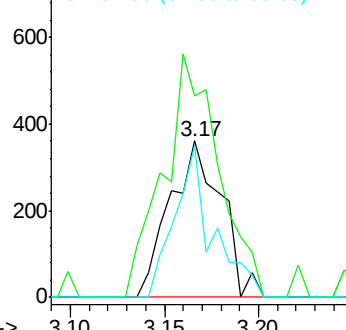
96 100

61 129.2 117.0 175.4

98 96.9 52.4 78.6#



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



#33

1,2-Dichloroethane-d4

Concen: 44.23 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002849.D

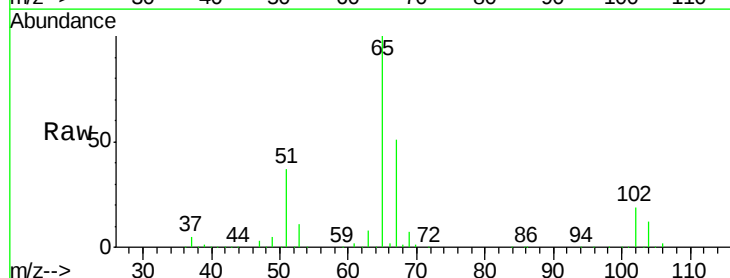
Acq: 22 Jun 2018 23:31

Tgt Ion: 65 Resp: 159256

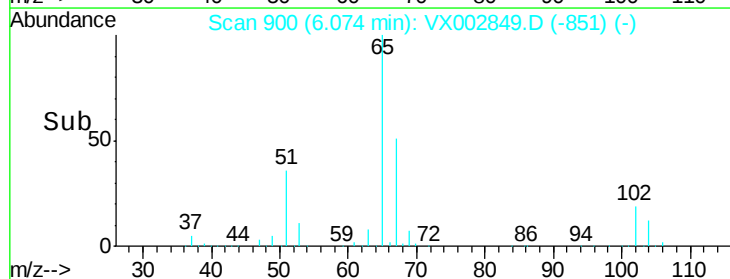
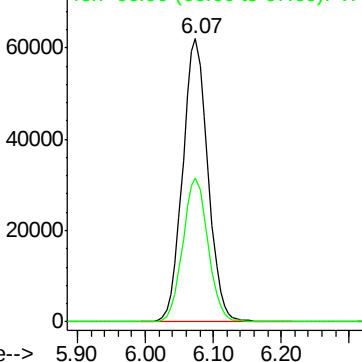
Ion Ratio Lower Upper

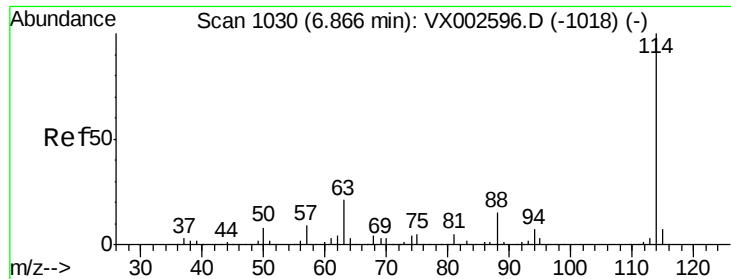
65 100

67 50.8 0.0 102.6



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

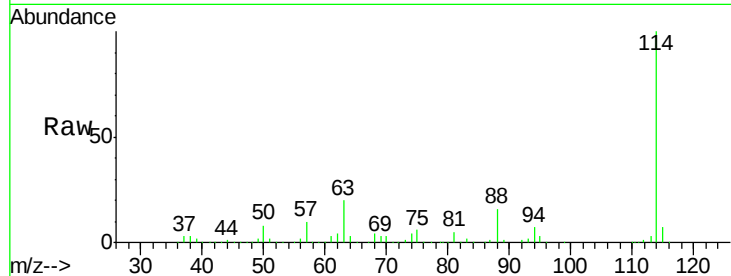




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002849.D
 Acq: 22 Jun 2018 23:31

Instrument :
 MSVOA_X
 ClientSampleId :

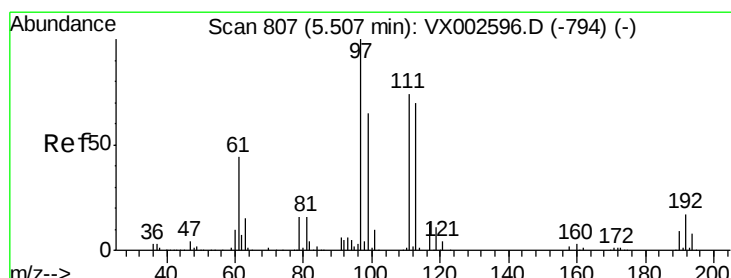
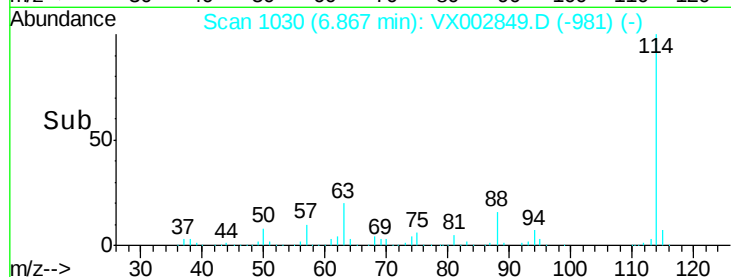
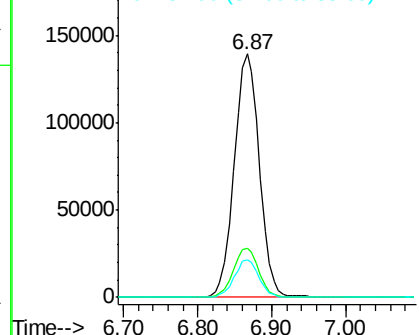
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.4
88	15.6	0.0	30.0



Abundance Ion 113.90 (113.60 to 114.60): V

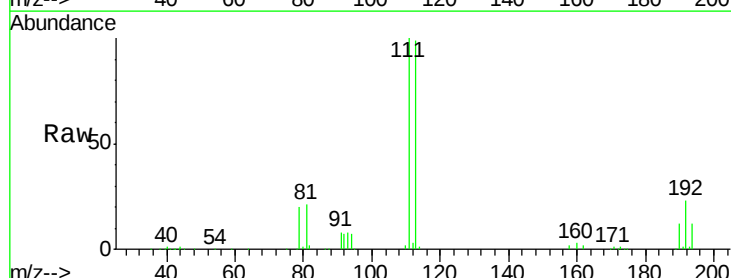
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35
 Dibromofluoromethane
 Concen: 47.46 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002849.D
 Acq: 22 Jun 2018 23:31

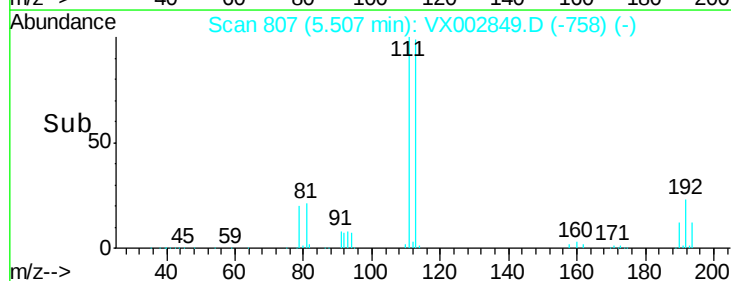
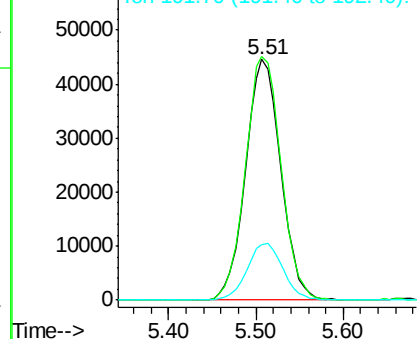
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	23.9	19.1	28.7

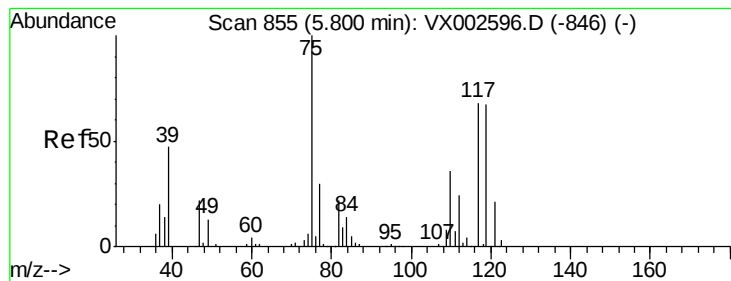


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.61 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002849.D

Acq: 22 Jun 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

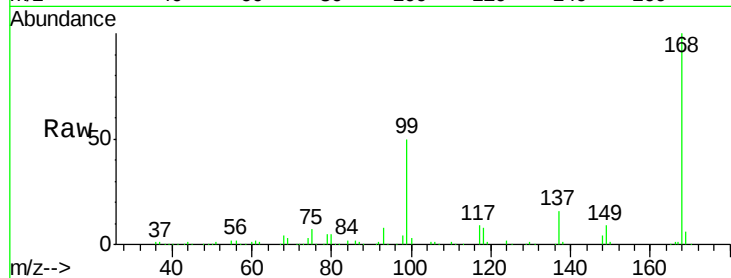
Tot Ion: 75 Resp: 16121

Ion Ratio Lower Upper

75 100

110 11.0 18.1 54.4#

77 0.0 24.3 36.5#

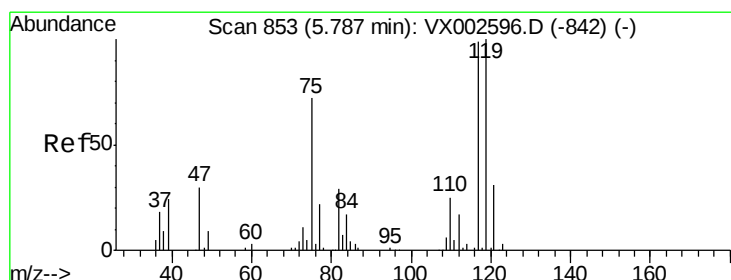
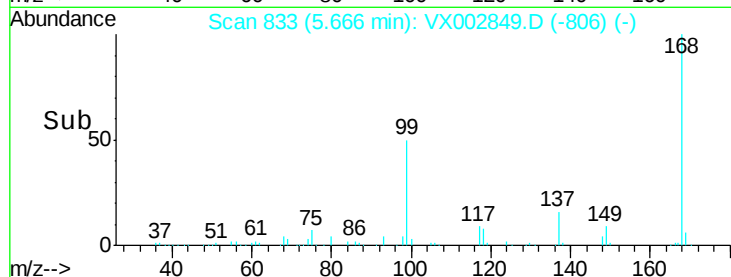


Abundance Ion 74.90 (74.60 to 75.60): VX002596.D (-846) (-)

Ion 109.90 (109.60 to 110.60): VX002596.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX002596.D (-846) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.15 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002849.D

Acq: 22 Jun 2018 23:31

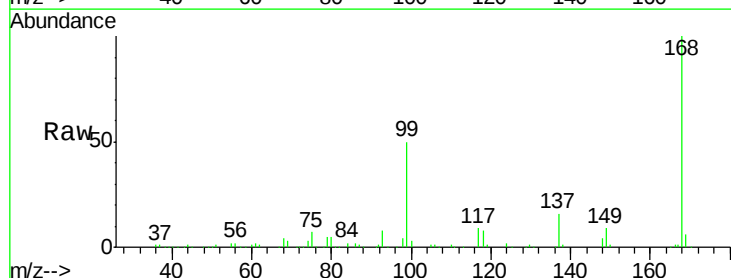
Tgt Ion: 117 Resp: 21415

Ion Ratio Lower Upper

117 100

119 6.6 77.4 116.0#

121 0.0 24.4 36.6#

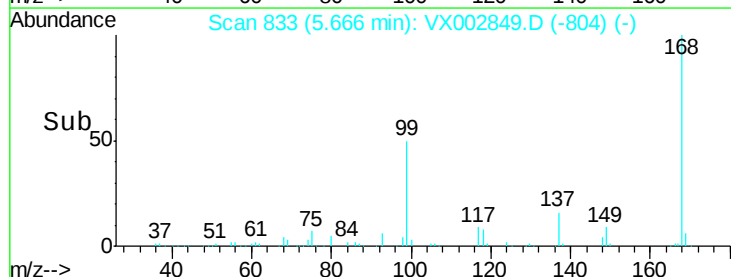


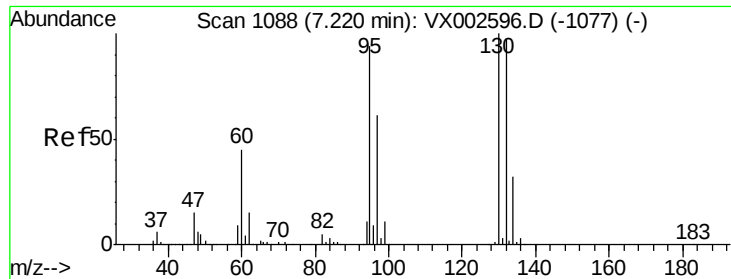
Abundance Ion 116.80 (116.50 to 117.50): VX002596.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX002596.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX002596.D (-842) (-)

Time-->





#44

Trichloroethene

Concen: 0.84 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX002849.D

Acq: 22 Jun 2018 23:31

Instrument :

MSVOA_X

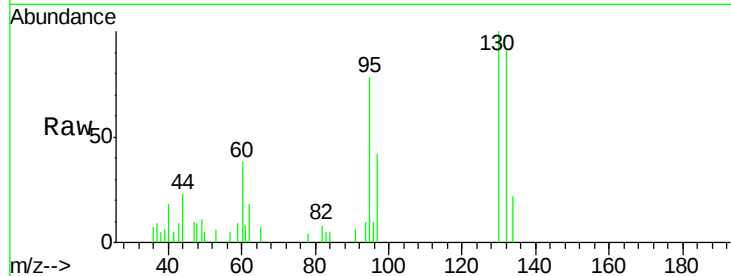
ClientSampleId :

Tot Ion:130 Resp: 2543

Ion Ratio Lower Upper

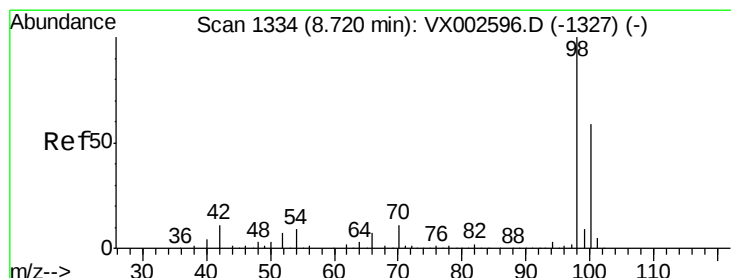
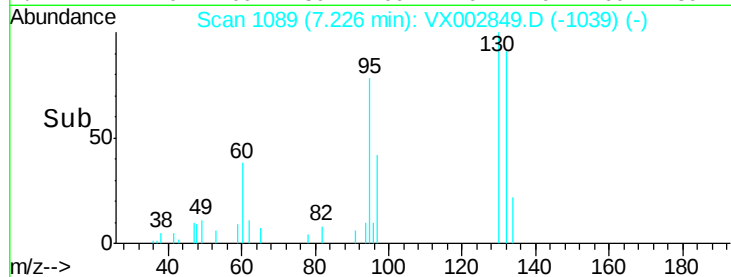
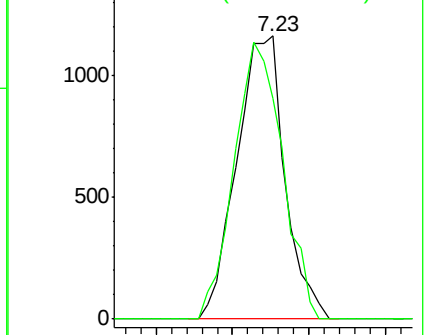
130 100

95 78.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 46.47 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002849.D

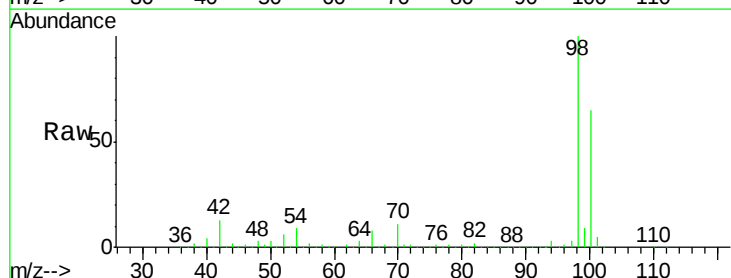
Acq: 22 Jun 2018 23:31

Tgt Ion: 98 Resp: 463859

Ion Ratio Lower Upper

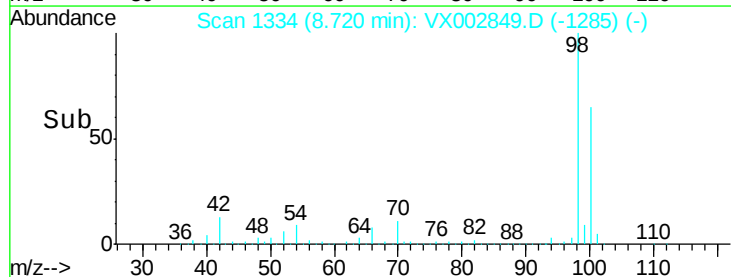
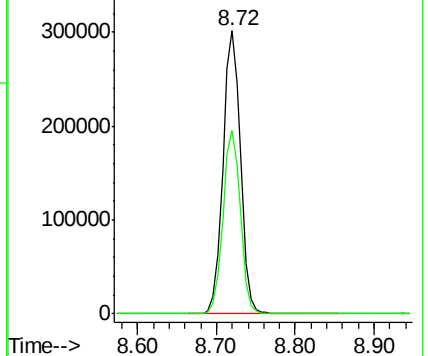
98 100

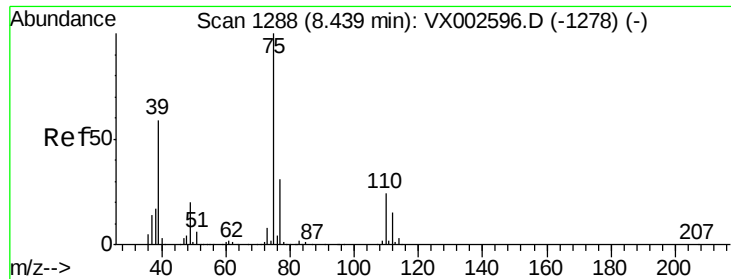
100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.40 min Scan# 1281

Delta R.T. -0.04 min

Lab File: VX002849.D

Acq: 22 Jun 2018 23:31

Instrument :

MSVOA_X

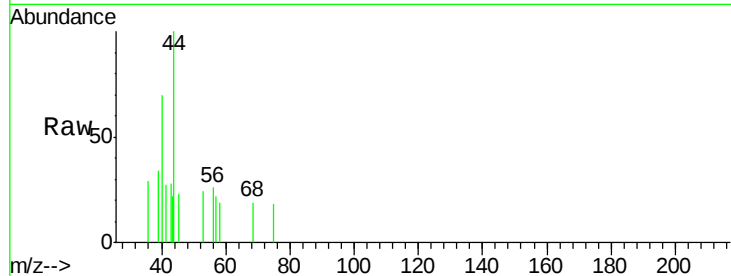
ClientSampleId :

Tot Ion: 75 Resp: 20

Ion Ratio Lower Upper

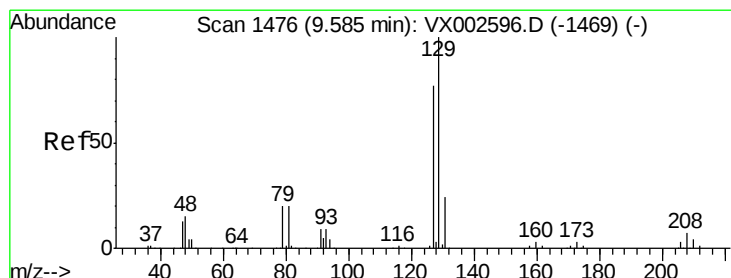
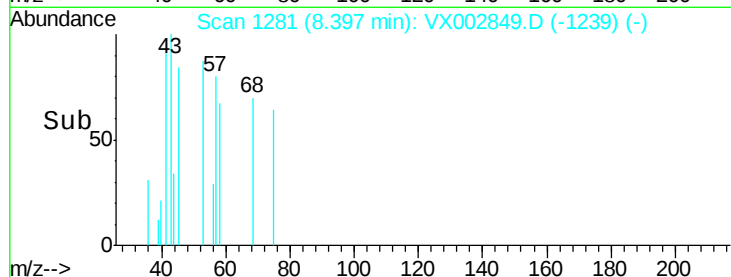
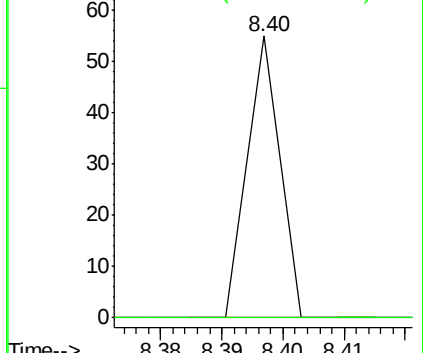
75 100

77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#60

Dibromochloromethane

Concen: 3.77 ug/l

RT: 9.71 min Scan# 1497

Delta R.T. 0.13 min

Lab File: VX002849.D

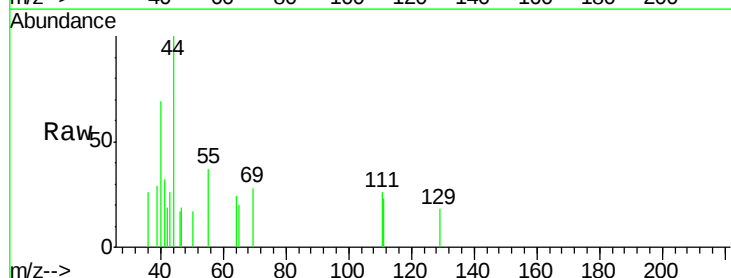
Acq: 22 Jun 2018 23:31

Tgt Ion: 129 Resp: 20

Ion Ratio Lower Upper

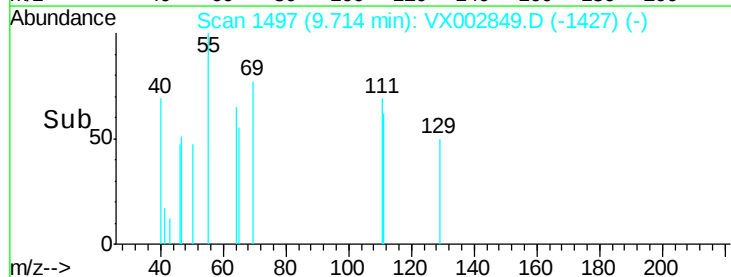
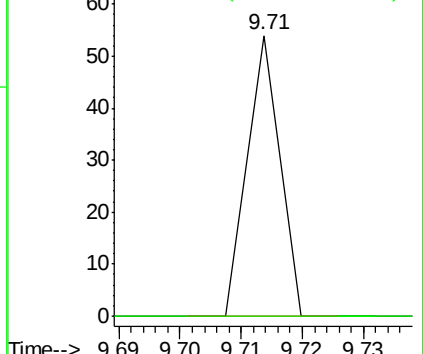
129 100

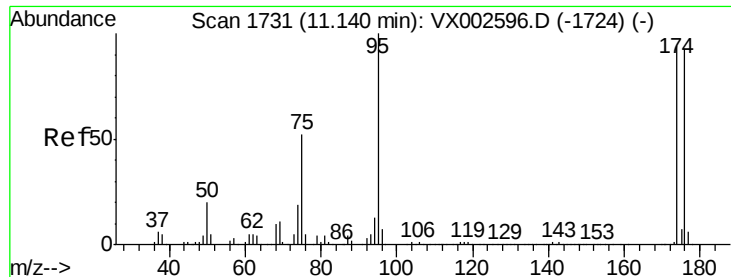
127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

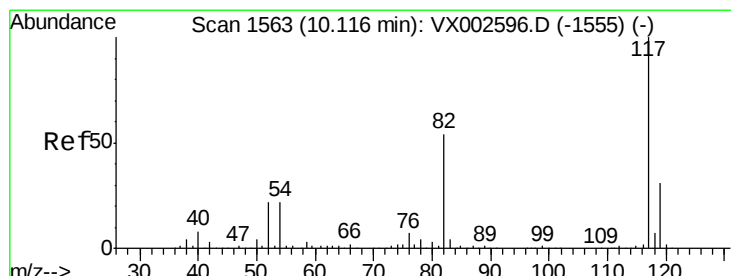
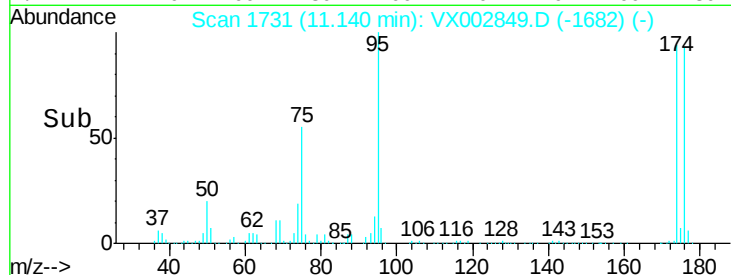
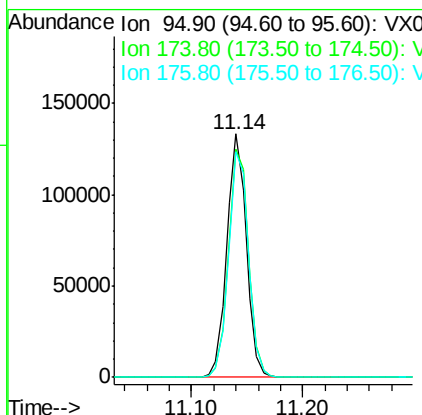
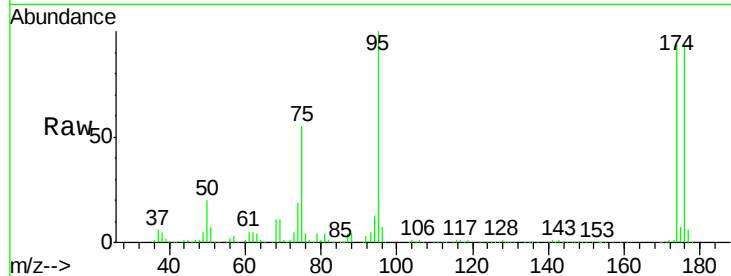




#62
4-Bromofluorobenzene
Concen: 42.55 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002849.D
Acq: 22 Jun 2018 23:31

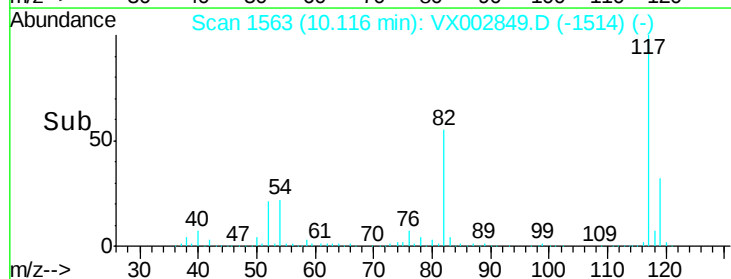
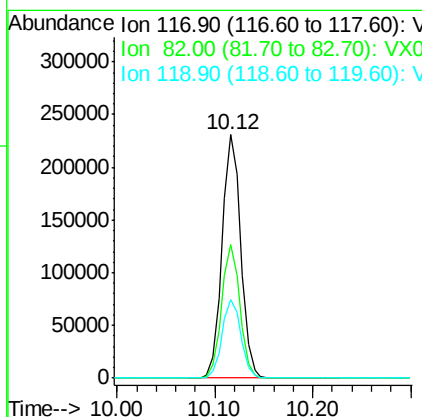
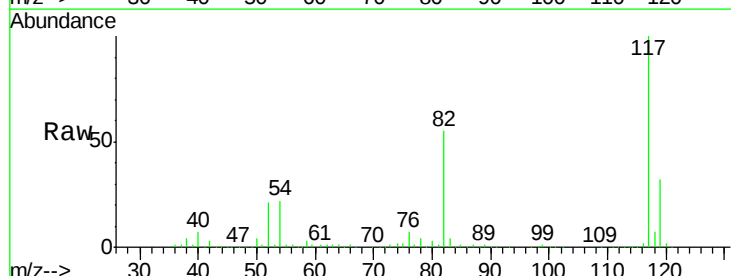
Instrument :
MSVOA_X
ClientSampleId :

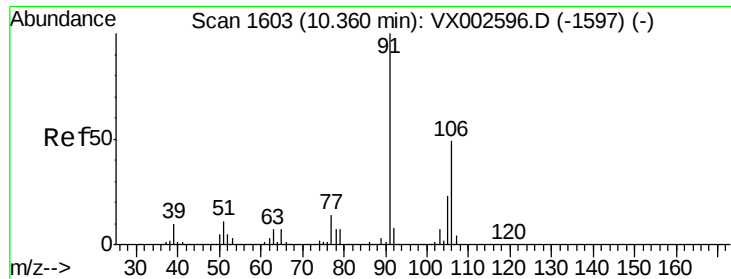
Tot Ion: 95 Resp: 160950
Ion Ratio Lower Upper
95 100
174 96.6 0.0 187.4
176 94.8 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002849.D
Acq: 22 Jun 2018 23:31

Tgt Ion: 117 Resp: 305329
Ion Ratio Lower Upper
117 100
82 55.0 45.0 67.4
119 32.2 25.8 38.6

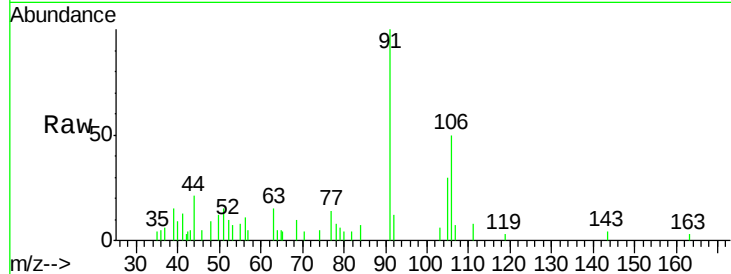




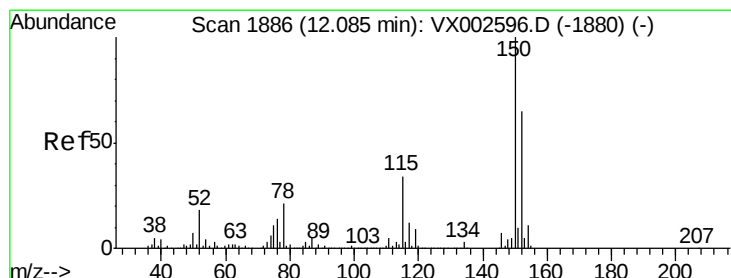
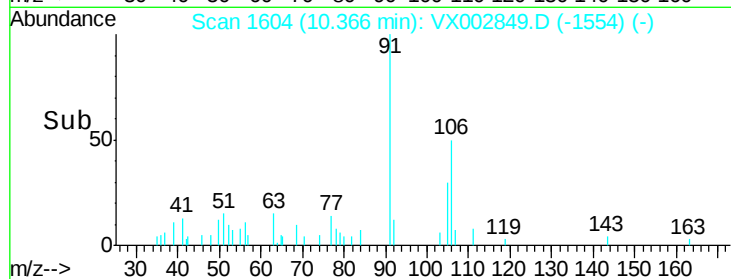
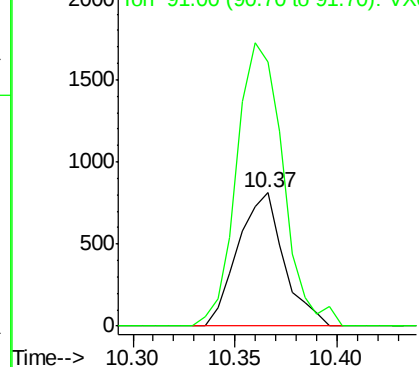
#68
m/p-Xvlenes
Concen: 0.26 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002849.D
Acq: 22 Jun 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 1272
Ion Ratio Lower Upper
106 100
91 214.7 163.4 245.2

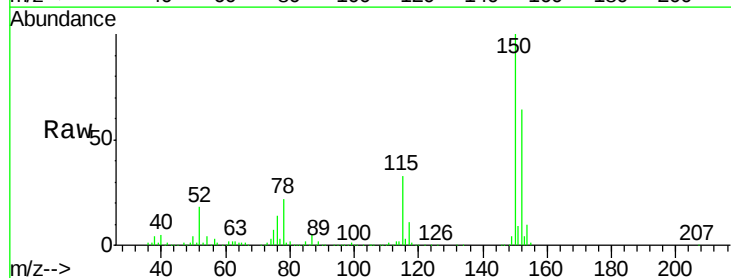


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

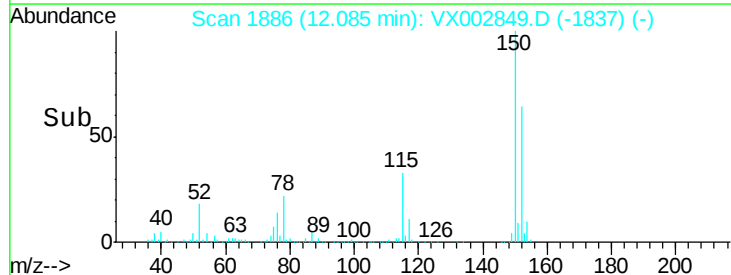
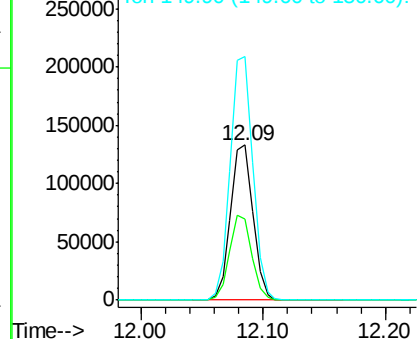


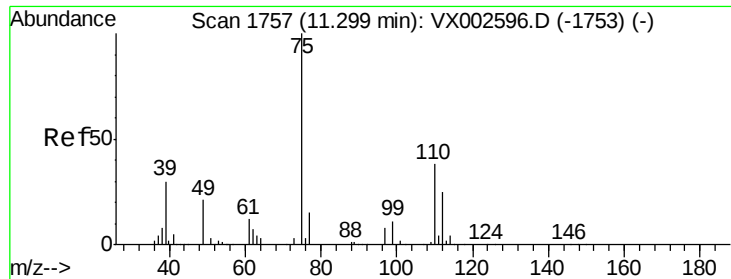
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002849.D
Acq: 22 Jun 2018 23:31

Tgt Ion:152 Resp: 168902
Ion Ratio Lower Upper
152 100
115 54.1 40.1 120.2
150 158.3 0.0 347.2



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: 27.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002849.D

Acq: 22 Jun 2018 23:31

Instrument :

MSVOA_X

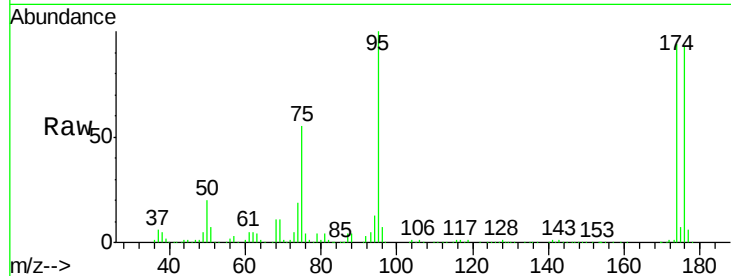
ClientSampleId :

Tot Ion: 75 Resp: 86111

Ion Ratio Lower Upper

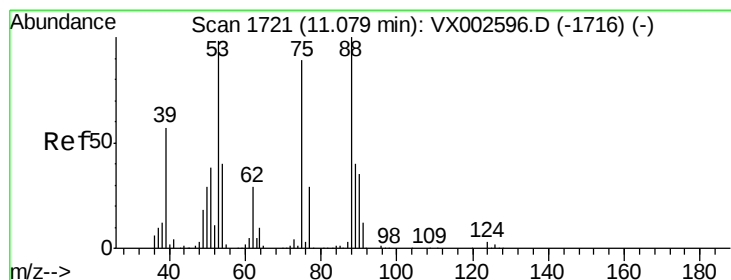
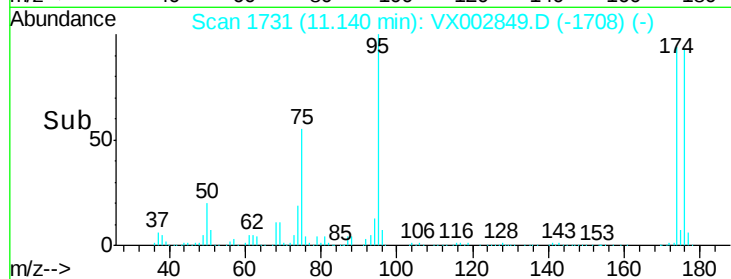
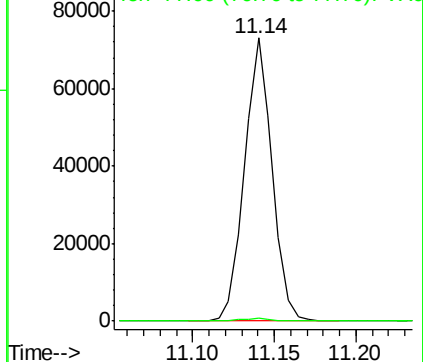
75 100

77 1.4 22.8 68.3#



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: 83.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002849.D

Acq: 22 Jun 2018 23:31

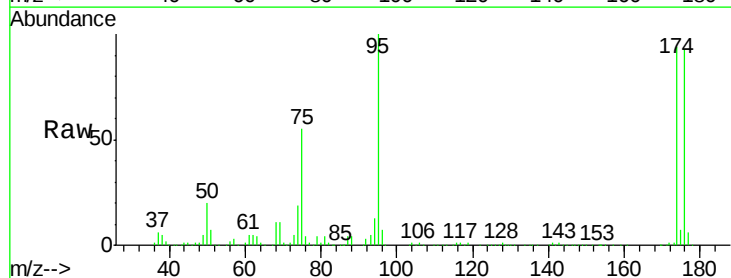
Tgt Ion: 75 Resp: 86111

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

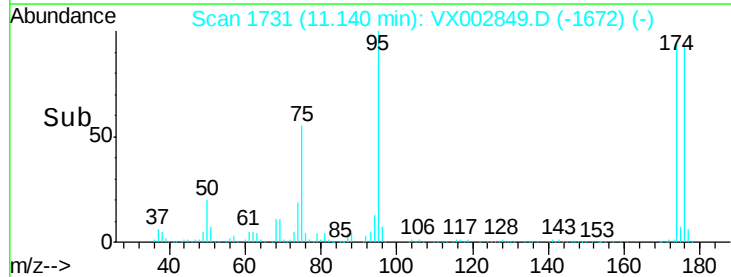
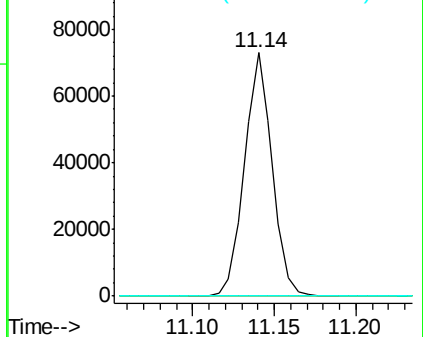
89 0.0 38.2 57.2#

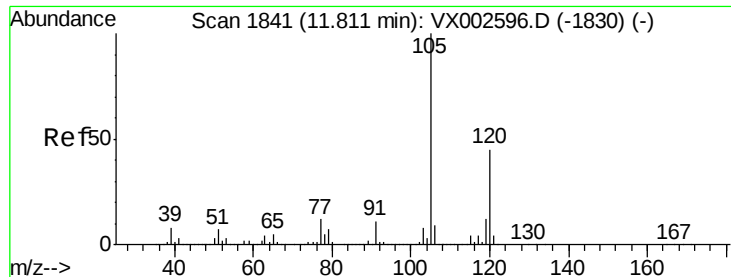


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

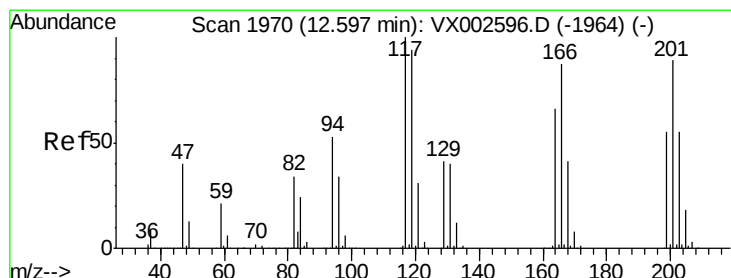
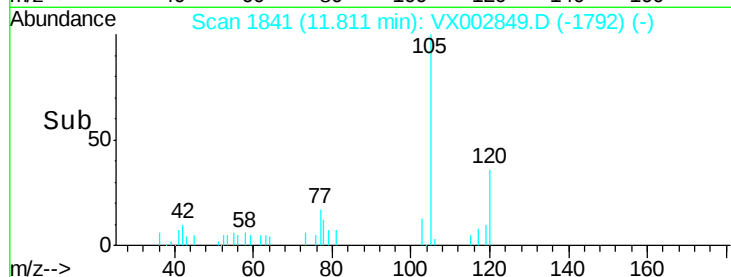
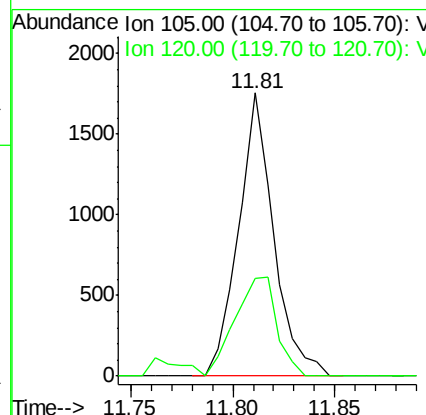
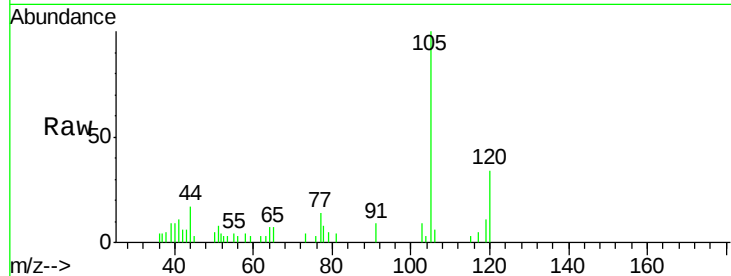




#84
 1,2,4-Trimethylbenzene
 Concen: 0.21 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002849.D
 Acq: 22 Jun 2018 23:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 2093
 Ion Ratio Lower Upper
 105 100
 120 41.5 22.3 66.8



#90
 Hexachloroethane
 Concen: 2.70 ug/l
 RT: 12.59 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VX002849.D
 Acq: 22 Jun 2018 23:31

Tgt Ion:117 Resp: 120
 Ion Ratio Lower Upper
 117 100
 201 0.0 49.0 147.0#

