

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005497.D
 Acq On : 23 Oct 2018 04:06
 Operator : JC/MD
 Sample : J5621-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW-01

Quant Time: Oct 23 05:08:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	224926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	324119	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	291383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141384	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	142423	57.05	ug/l	0.00
Spiked Amount			Recovery	=	114.10%	
35) Dibromofluoromethane	5.50	113	109664	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
50) Toluene-d8	8.72	98	389518	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
62) 4-Bromofluorobenzene	11.14	95	129795	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	

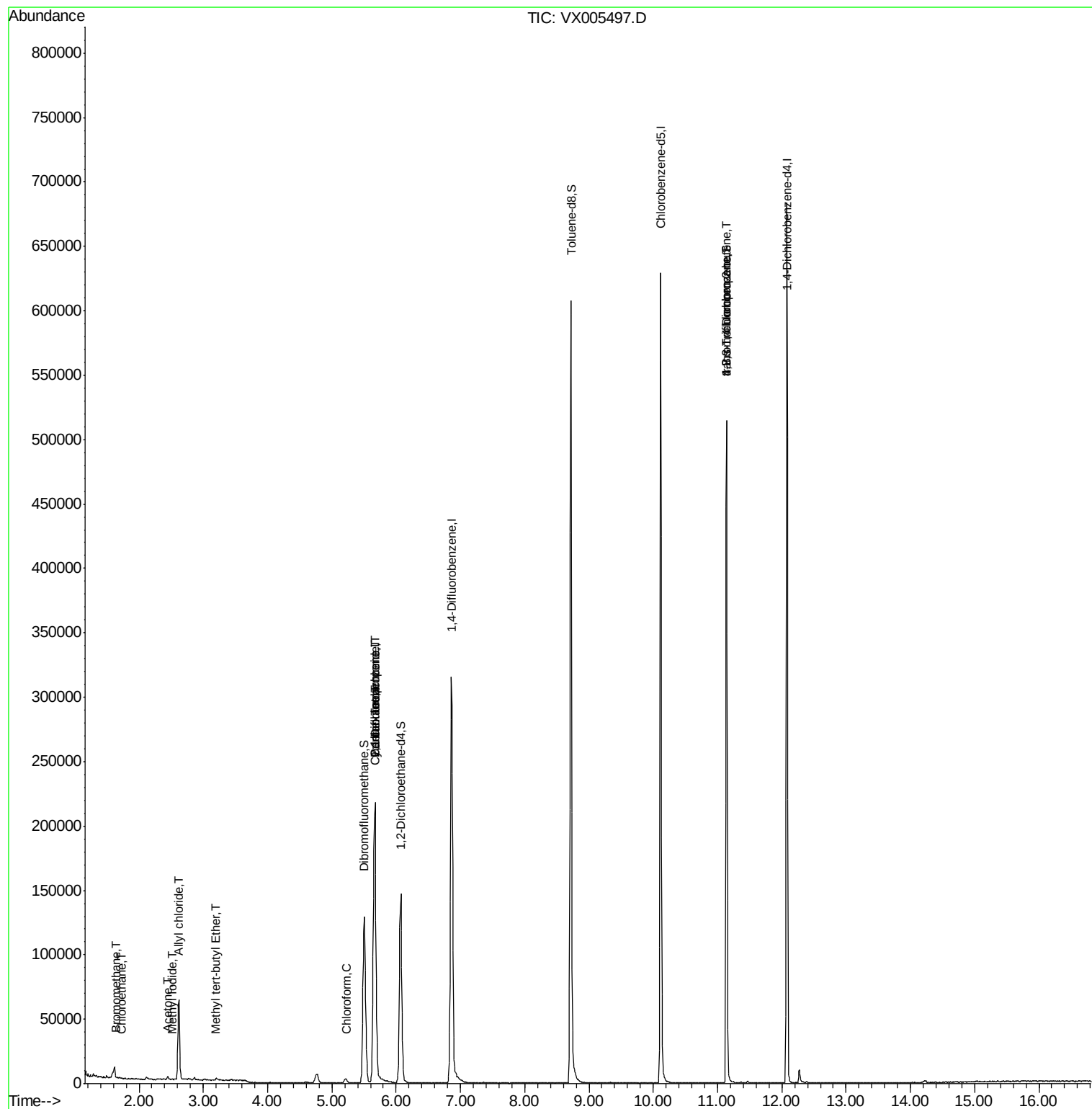
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	374	0.838	ug/l	93
6) Chloroethane	1.71	64	71	0.377	ug/l #	44
10) Methyl Iodide	2.52	142	131	2.546	ug/l #	41
13) Acrolein	2.29	56	135	Below Cal	#	47
14) Allyl chloride	2.62	41	6294	1.455	ug/l #	59
16) Acetone	2.45	43	2408	1.668	ug/l	91
19) Methyl tert-butyl Ether	3.20	73	1528	0.220	ug/l	92
20) Methylene Chloride	2.86	84	379	Below Cal	#	79
30) Chloroform	5.21	83	3971	1.028	ug/l	95
31) Cyclohexane	5.66	56	4183	1.219	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16196	5.159	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20233	6.415	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	64805	23.630	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	64805	71.800	ug/l #	10

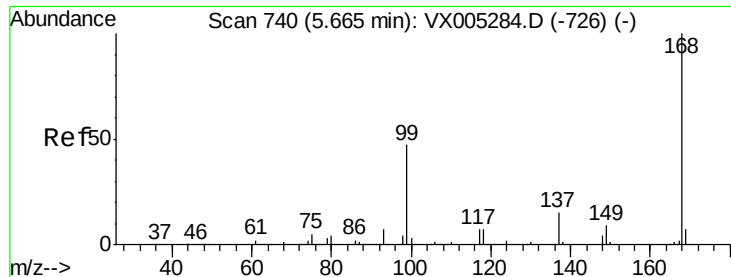
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005497.D

Acq: 23 Oct 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

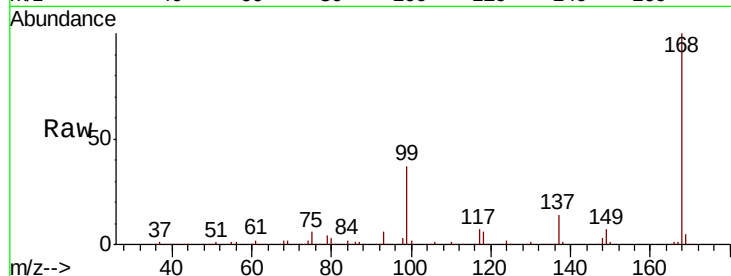
SA-SW-01

Tot Ion:168 Resp: 224926

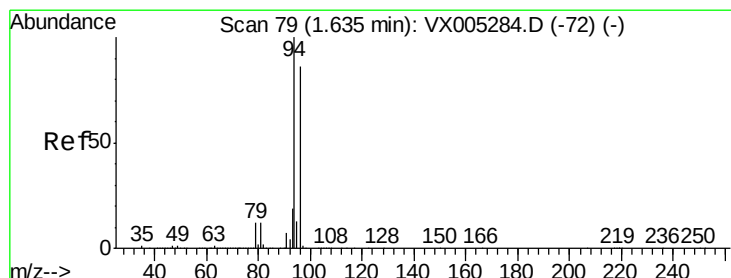
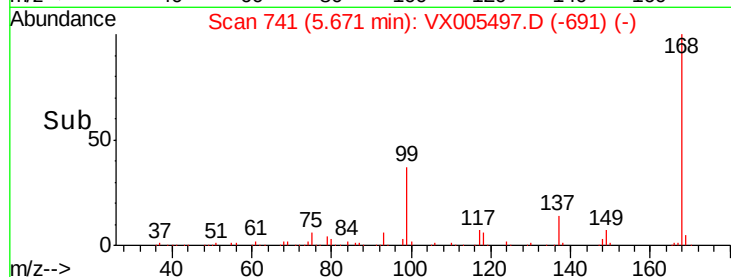
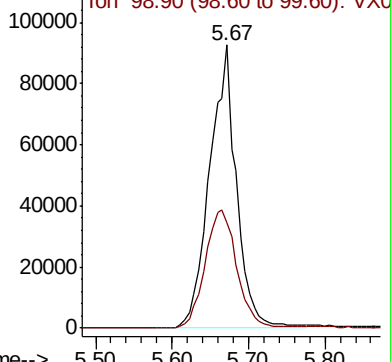
Ion Ratio Lower Upper

168 100

99 37.2 39.9 59.9#



Abundance Ion 167.90 (167.60 to 168.60): V



#5

Bromomethane

Concen: 0.838 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005497.D

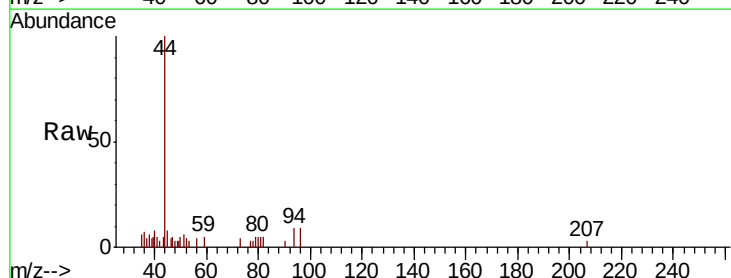
Acq: 23 Oct 2018 04:06

Tgt Ion: 94 Resp: 374

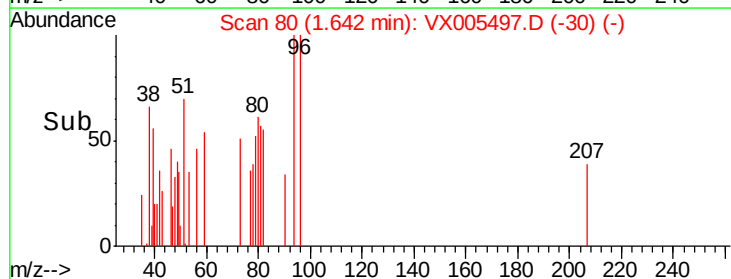
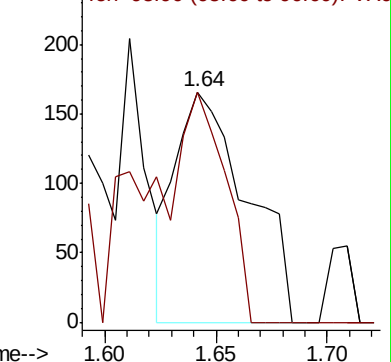
Ion Ratio Lower Upper

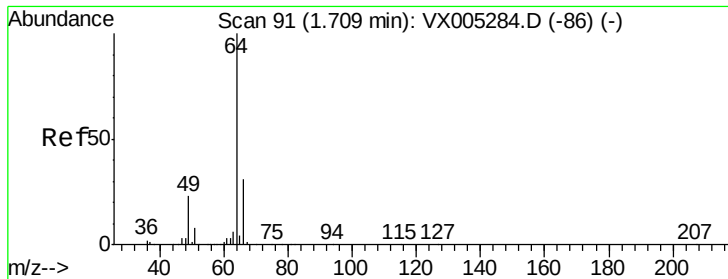
94 100

96 100.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0





#6

Chloroethane

Concen: 0.377 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005497.D

Acq: 23 Oct 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

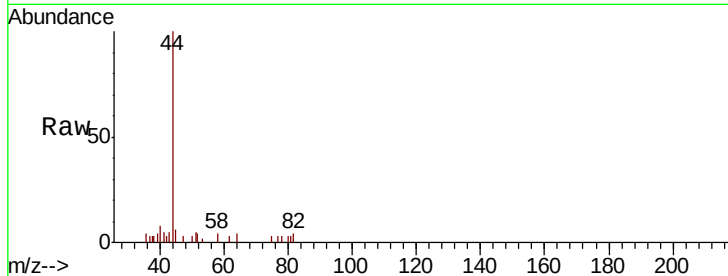
SA-SW-01

Tot Ion: 64 Resp: 71

Ion Ratio Lower Upper

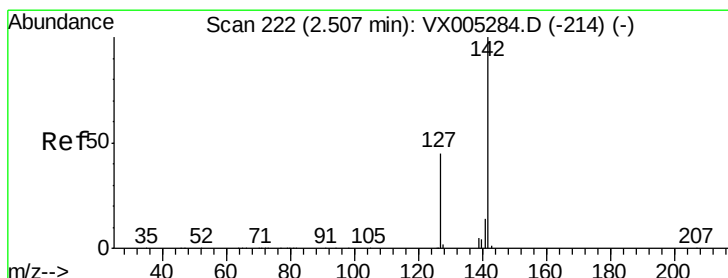
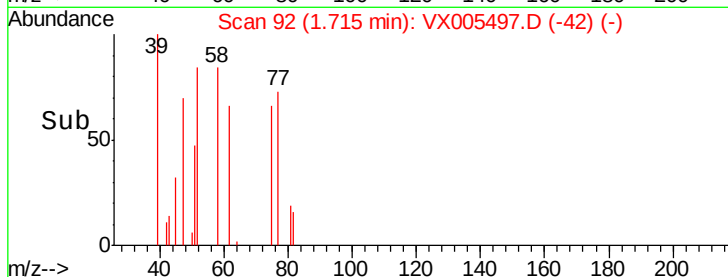
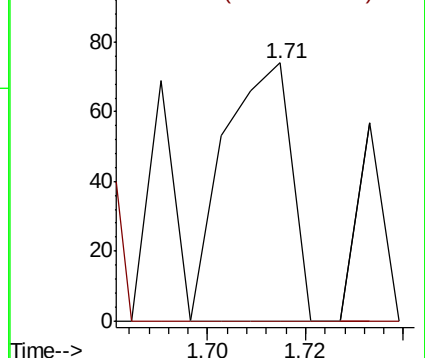
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.546 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005497.D

Acq: 23 Oct 2018 04:06

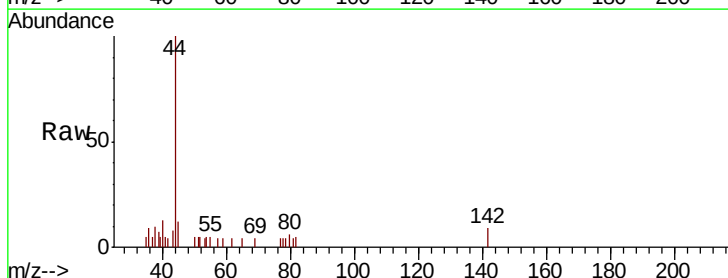
Tgt Ion: 142 Resp: 131

Ion Ratio Lower Upper

142 100

127 0.0 33.8 50.6#

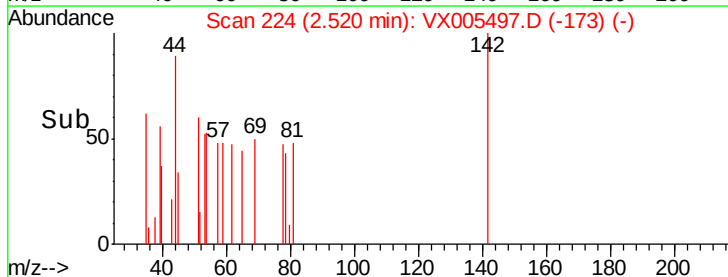
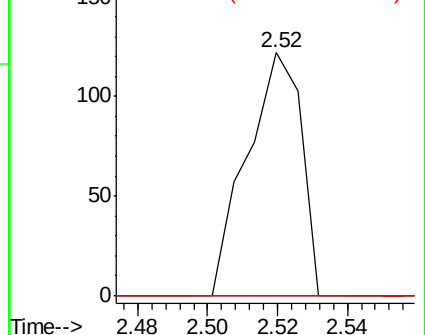
141 0.0 11.4 17.0#

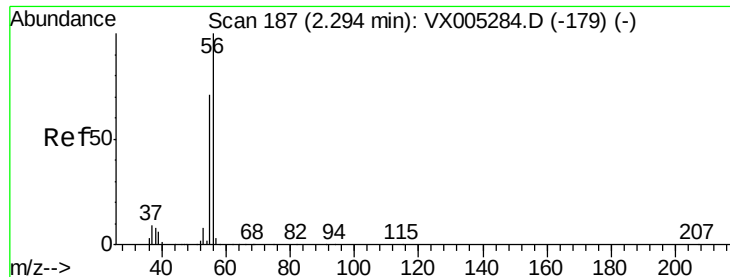


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005497.D

Acq: 23 Oct 2018 04:06

Instrument :

MSVOA_X

ClientSampled :

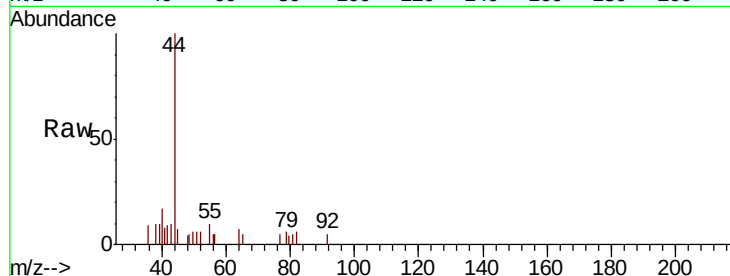
SA-SW-01

Tot Ion: 56 Resp: 135

Ion Ratio Lower Upper

56 100

55 111.1 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

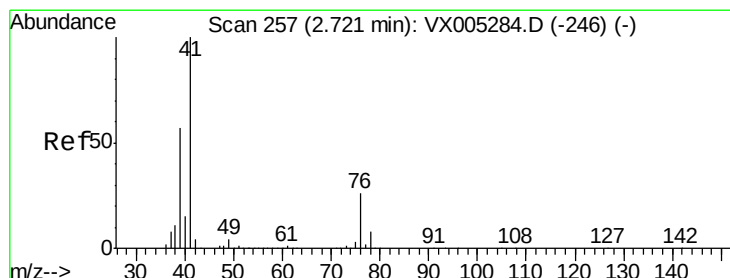
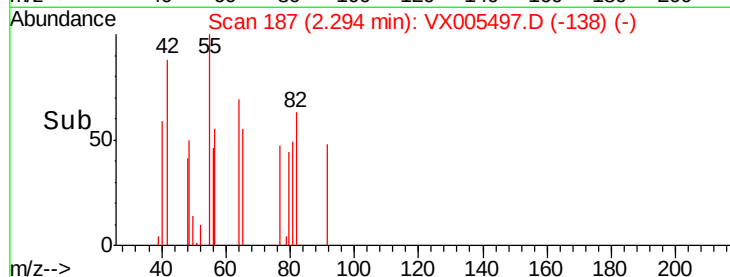
2.29

100

50

0

Time-->



#14

Allyl chloride

Concen: 1.455 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX005497.D

Acq: 23 Oct 2018 04:06

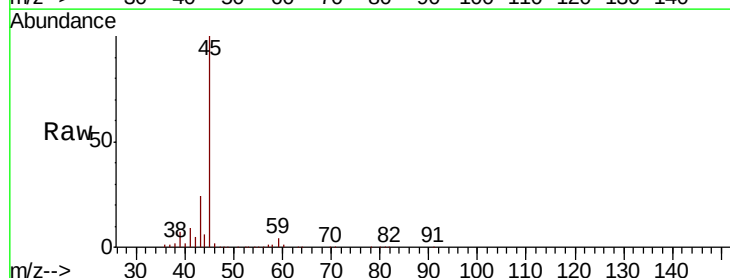
Tgt Ion: 41 Resp: 6294

Ion Ratio Lower Upper

41 100

39 84.6 48.9 73.3#

76 0.0 26.7 40.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

4000

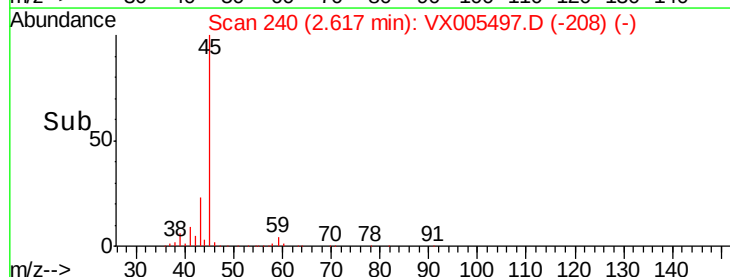
3000

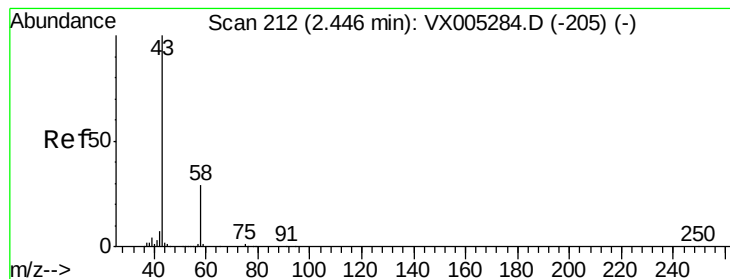
2000

1000

0

Time-->





#16

Acetone

Concen: 1.668 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005497.D

Acq: 23 Oct 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

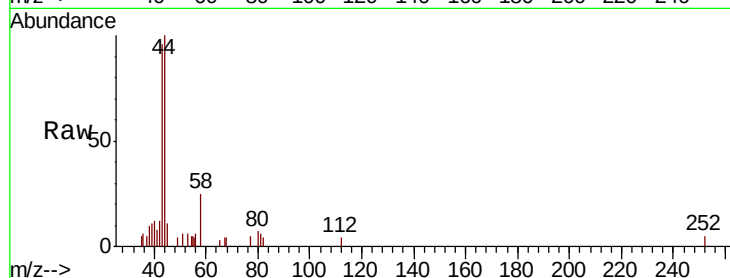
SA-SW-01

Tot Ion: 43 Resp: 2408

Ion Ratio Lower Upper

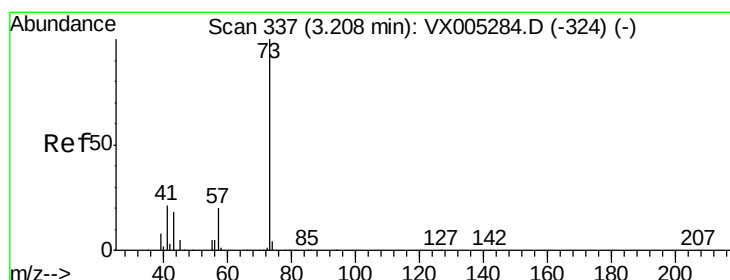
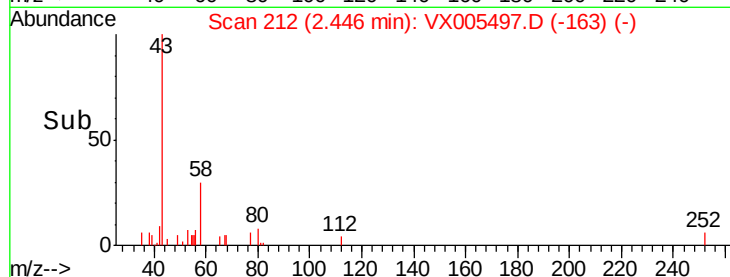
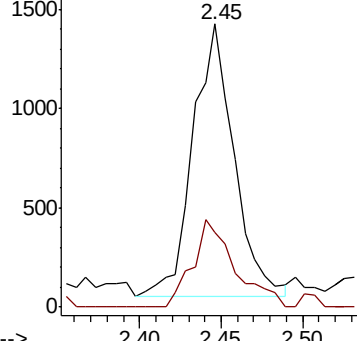
43 100

58 27.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 0.220 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.01 min

Lab File: VX005497.D

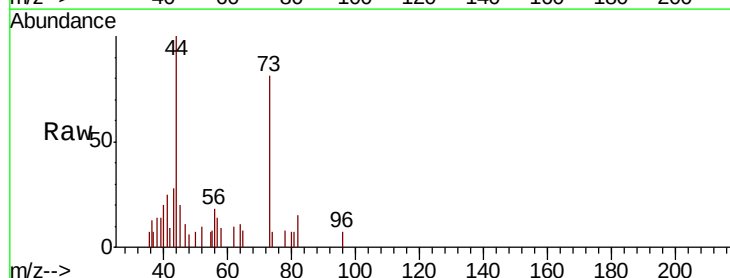
Acq: 23 Oct 2018 04:06

Tgt Ion: 73 Resp: 1528

Ion Ratio Lower Upper

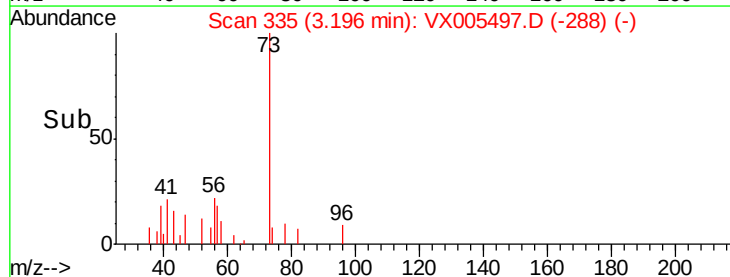
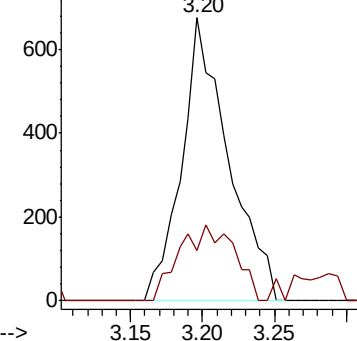
73 100

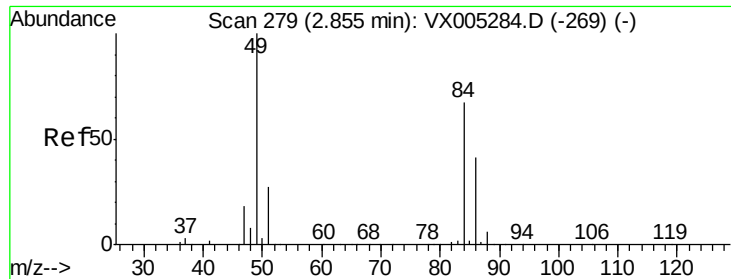
57 17.8 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005497.D

Acq: 23 Oct 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

SA-SW-01

Tot Ion: 84 Resp: 379

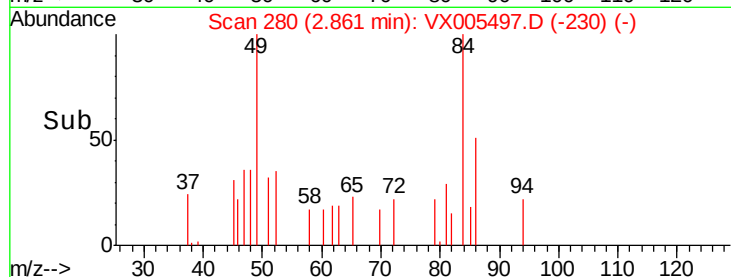
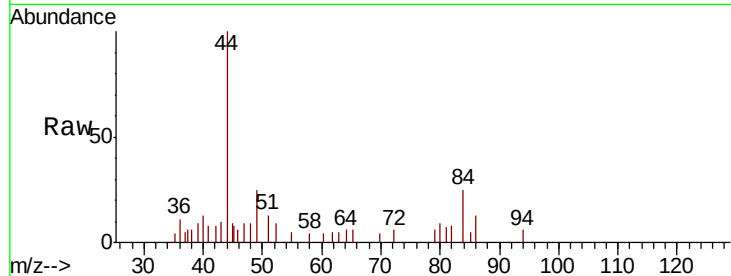
Ion Ratio Lower Upper

84 100

49 100.0 101.2 151.8#

51 49.5 29.5 44.3#

86 50.8 52.3 78.5#

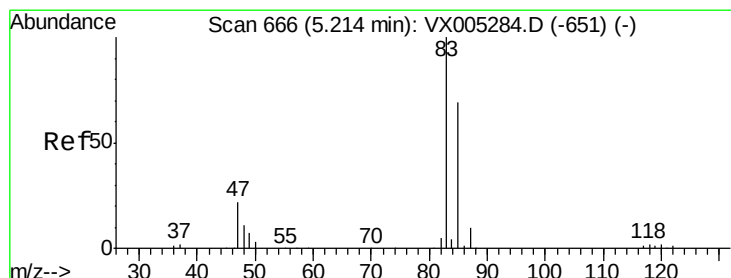
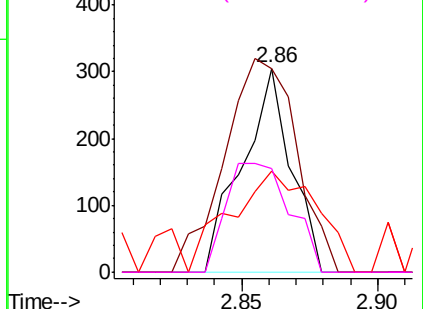


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#30

Chloroform

Concen: 1.028 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX005497.D

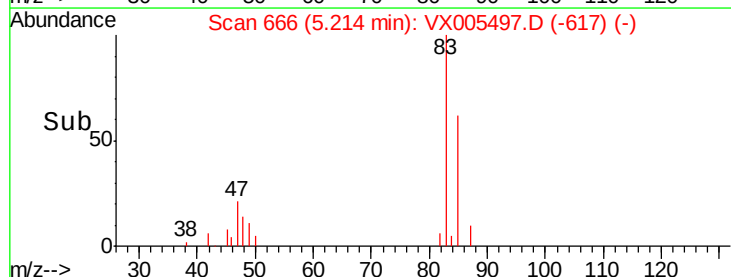
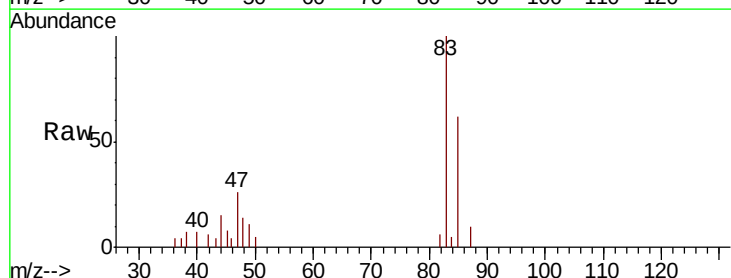
Acq: 23 Oct 2018 04:06

Tgt Ion: 83 Resp: 3971

Ion Ratio Lower Upper

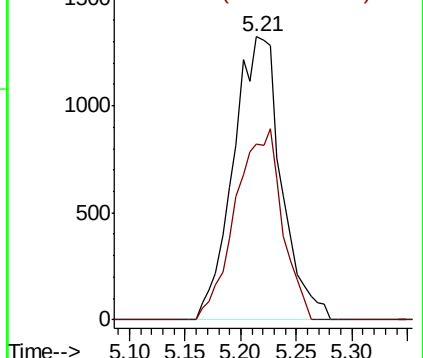
83 100

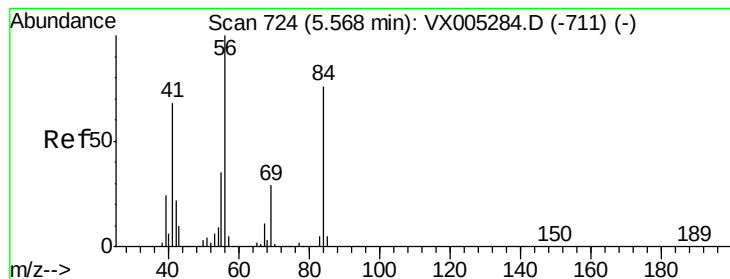
85 62.1 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1.219 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005497.D

Acq: 23 Oct 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

SA-SW-01

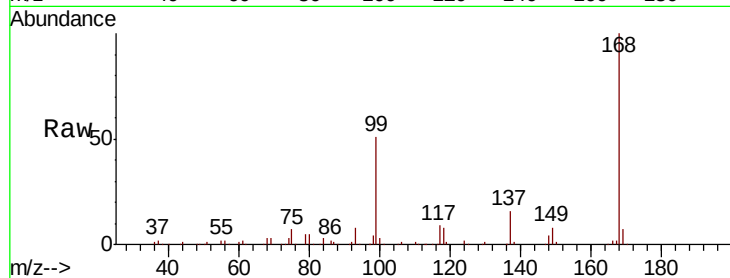
Tot Ion: 56 Resp: 4183

Ion Ratio Lower Upper

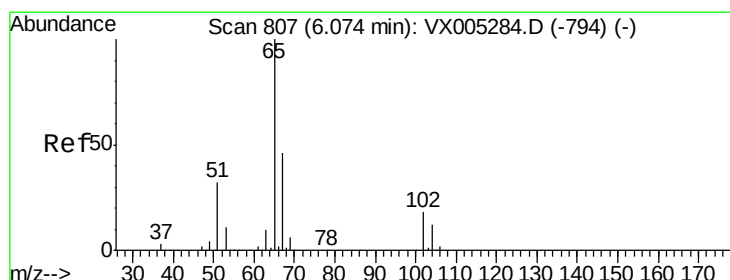
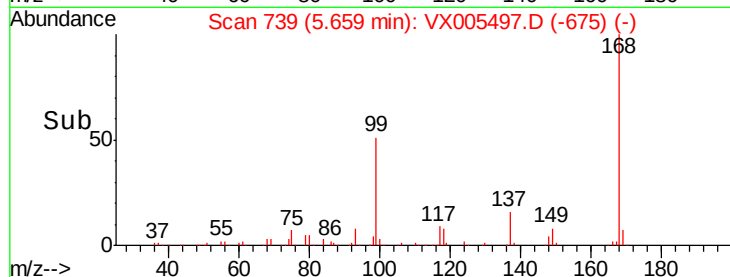
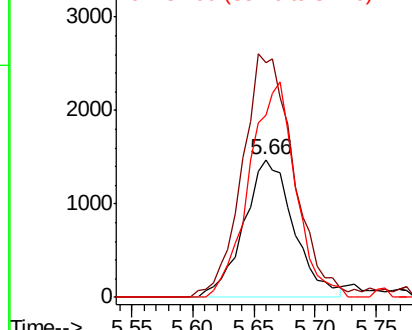
56 100

69 170.6 25.4 38.2#

84 132.3 71.4 107.2#



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: 57.053 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005497.D

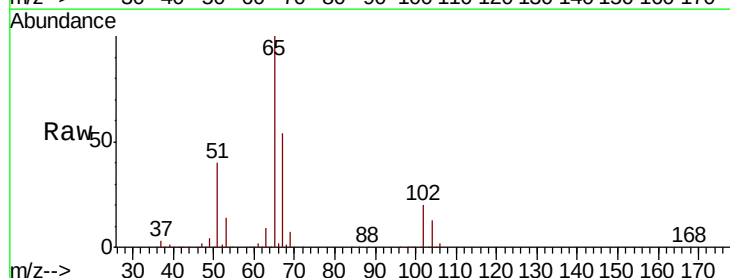
Acq: 23 Oct 2018 04:06

Tgt Ion: 65 Resp: 142423

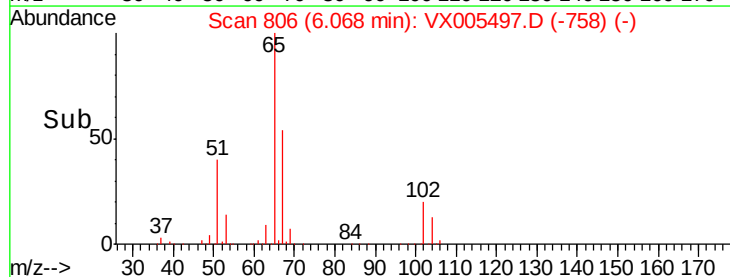
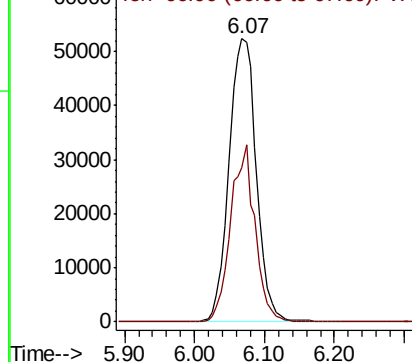
Ion Ratio Lower Upper

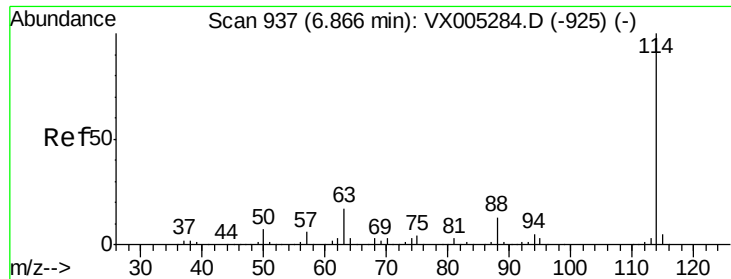
65 100

67 55.5 0.0 106.8



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

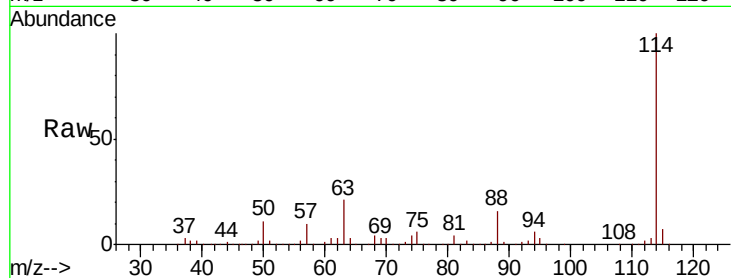




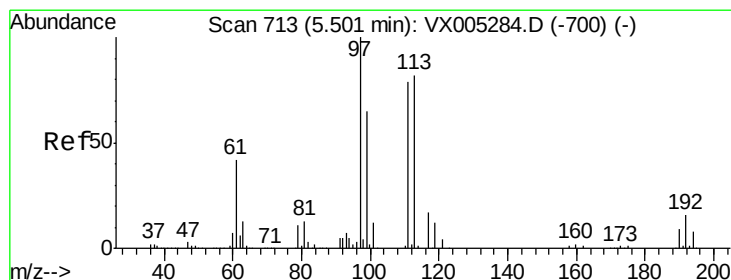
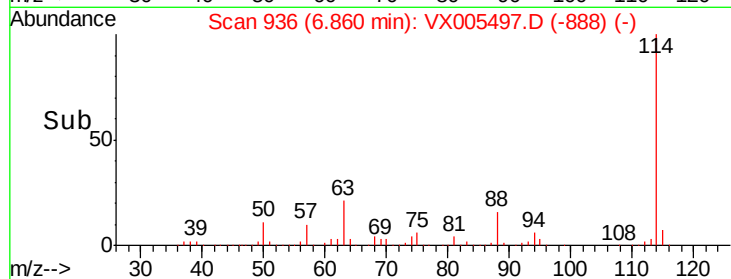
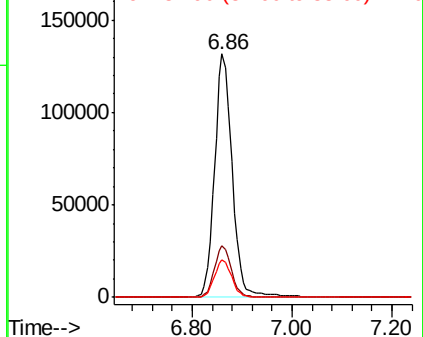
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.01 min
Lab File: VX005497.D
Acq: 23 Oct 2018 04:06

Instrument :
MSVOA_X
ClientSampleId :
SA-SW-01

Tot Ion:114 Resp: 324119
Ion Ratio Lower Upper
114 100
63 20.9 0.0 39.0
88 15.6 0.0 30.4

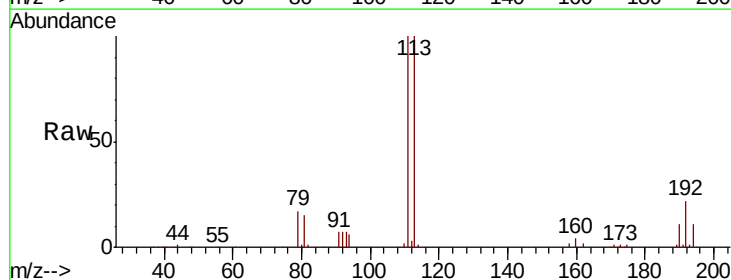


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

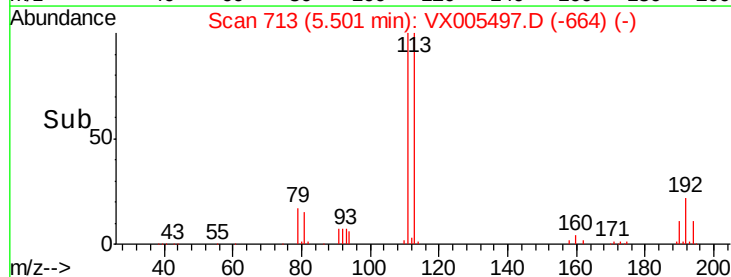
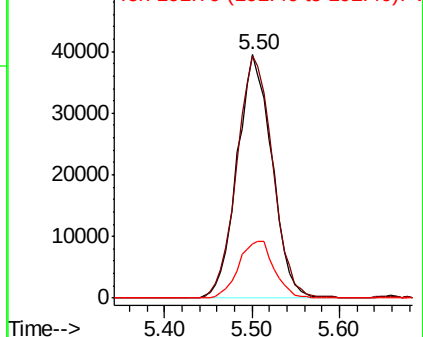


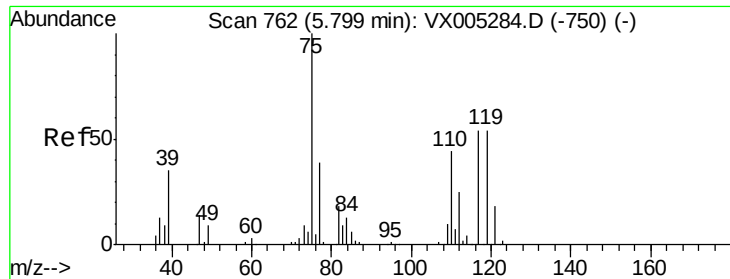
#35
Dibromofluoromethane
Concen: 51.084 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005497.D
Acq: 23 Oct 2018 04:06

Tgt Ion:113 Resp: 109664
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 23.9 19.4 29.2



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

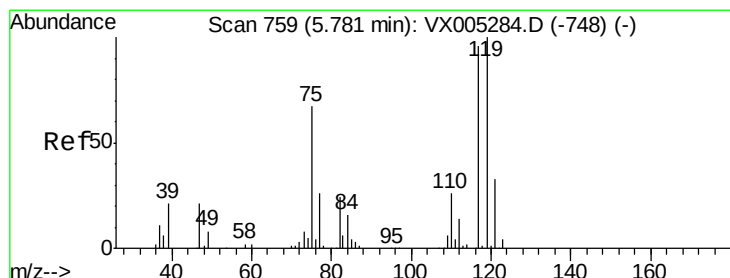
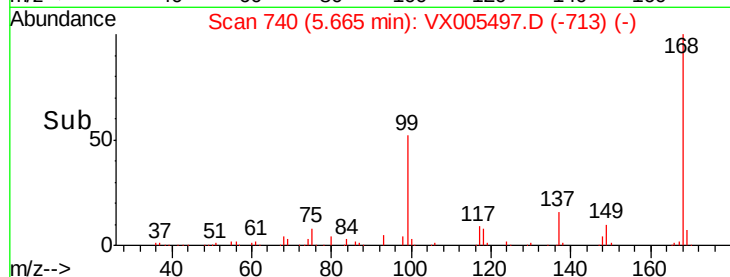
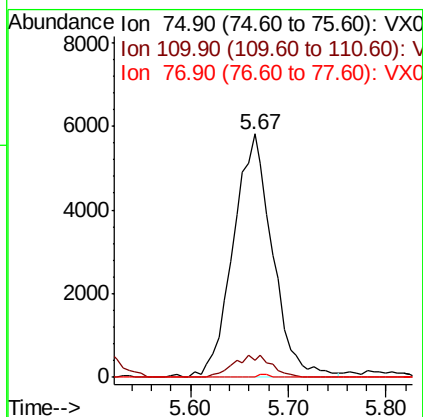
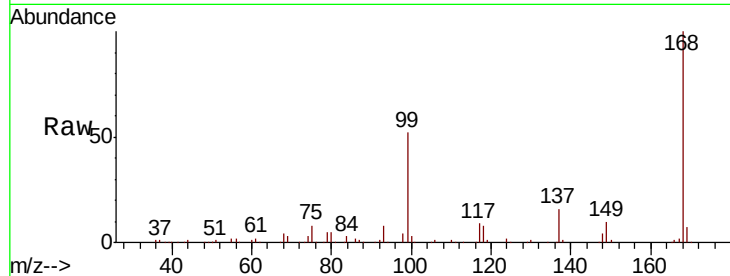




#36
 1,1-Dichloropropene
 Concen: 5.159 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005497.D
 Acq: 23 Oct 2018 04:06

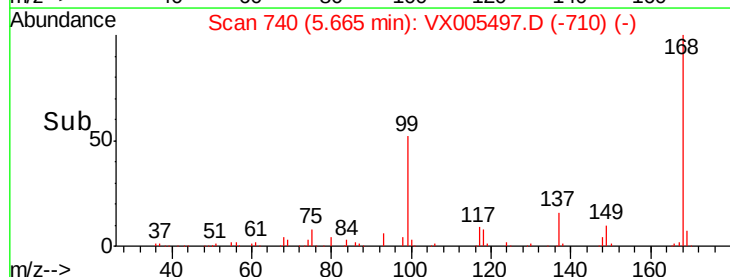
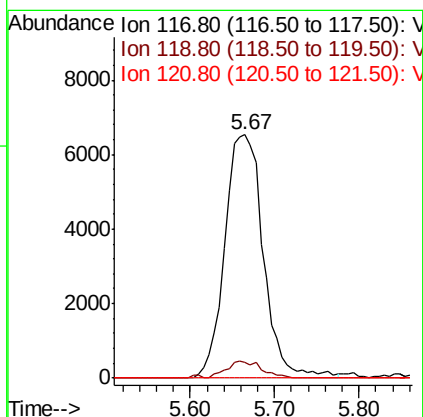
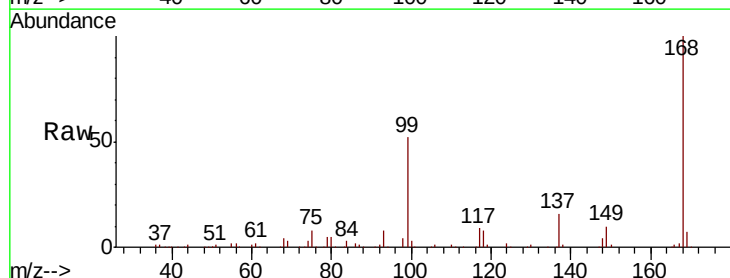
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW-01

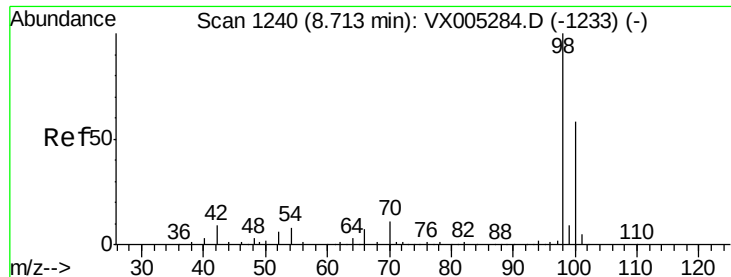
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.0	54.0#
77	0.3	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.415 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005497.D
 Acq: 23 Oct 2018 04:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	78.8	118.2#
121	0.0	24.9	37.3#

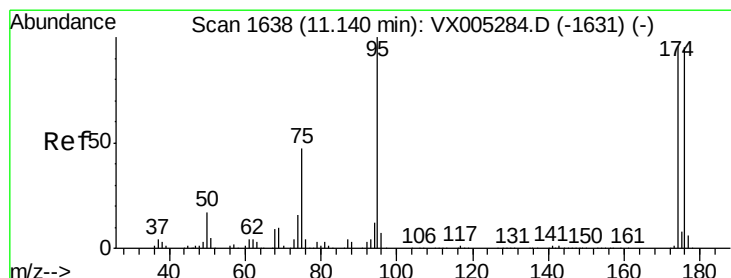
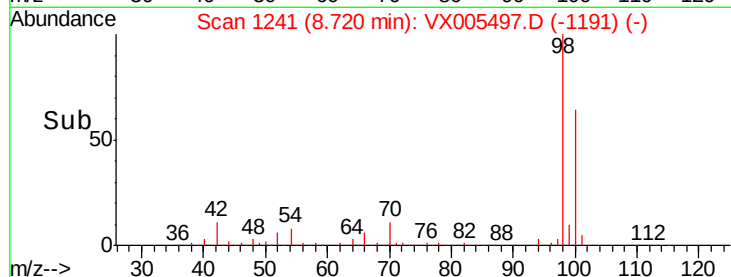
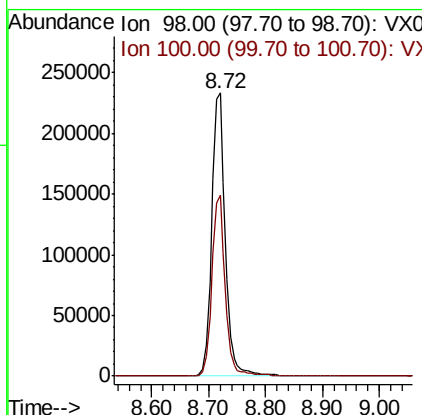
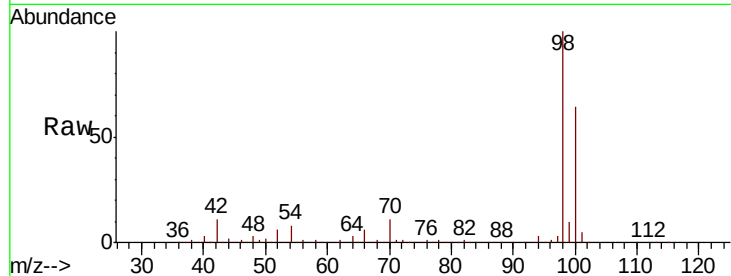




#50
Toluene-d8
Concen: 52.853 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005497.D
Acq: 23 Oct 2018 04:06

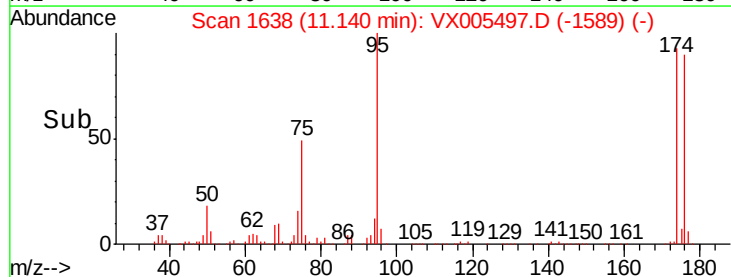
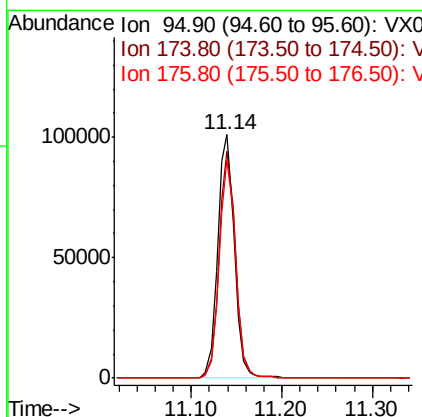
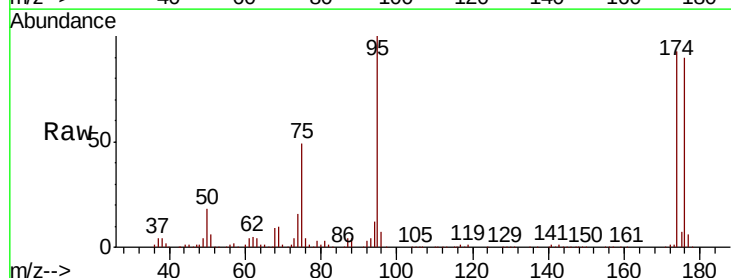
Instrument :
MSVOA_X
ClientSampleId :
SA-SW-01

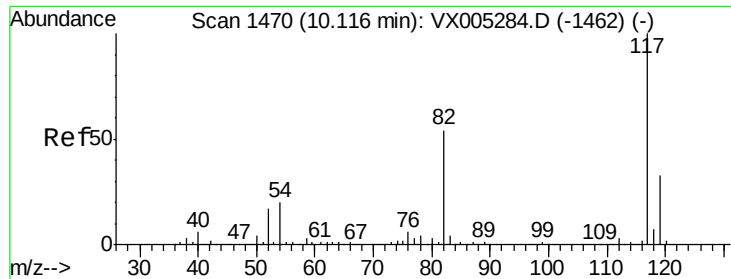
Tot Ion: 98 Resp: 389518
Ion Ratio Lower Upper
98 100
100 63.0 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 46.881 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005497.D
Acq: 23 Oct 2018 04:06

Tgt Ion: 95 Resp: 129795
Ion Ratio Lower Upper
95 100
174 92.1 0.0 185.2
176 88.5 0.0 178.6

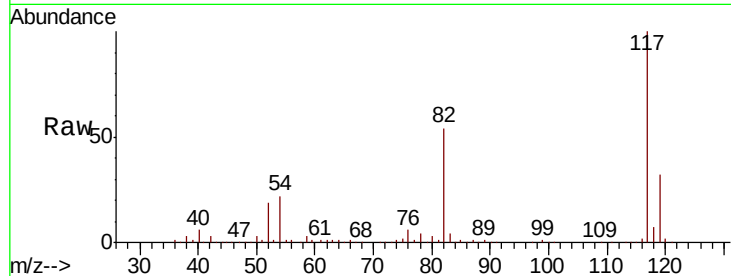




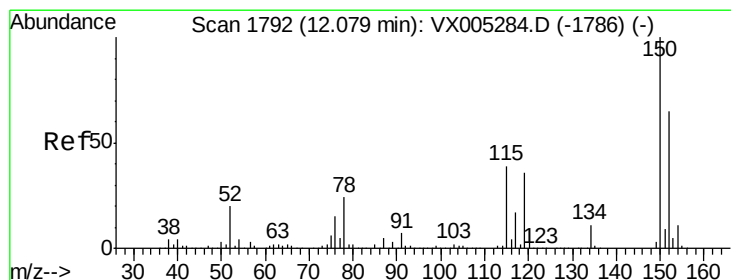
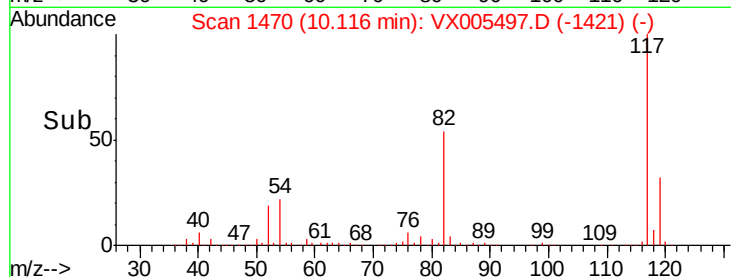
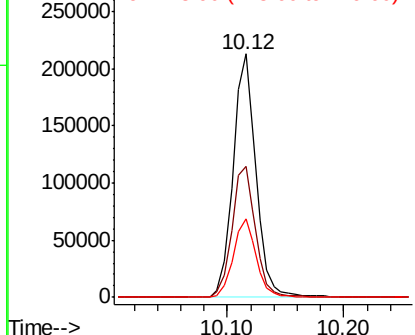
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005497.D
Acq: 23 Oct 2018 04:06

Instrument :
MSVOA_X
ClientSampled :
SA-SW-01

Tot Ion:117 Resp: 291383
Ion Ratio Lower Upper
117 100
82 53.9 47.8 71.6
119 32.3 29.3 43.9

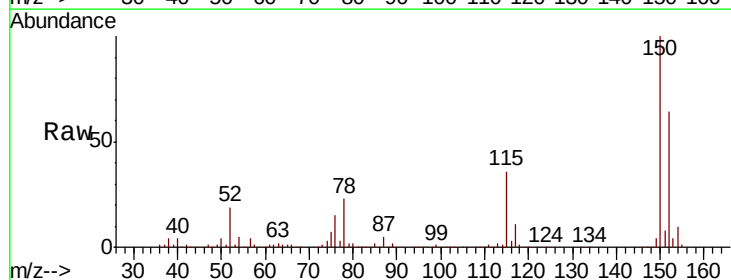


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

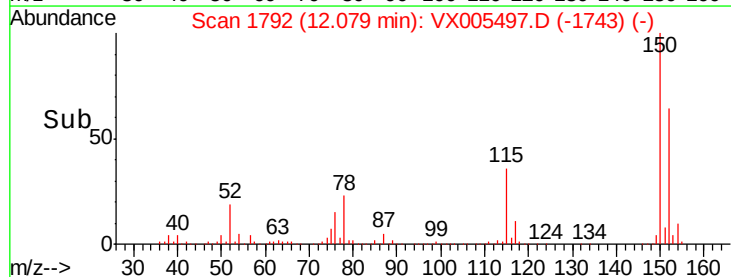
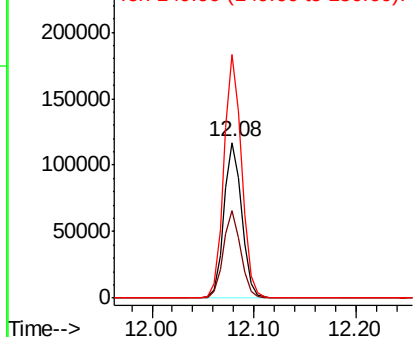


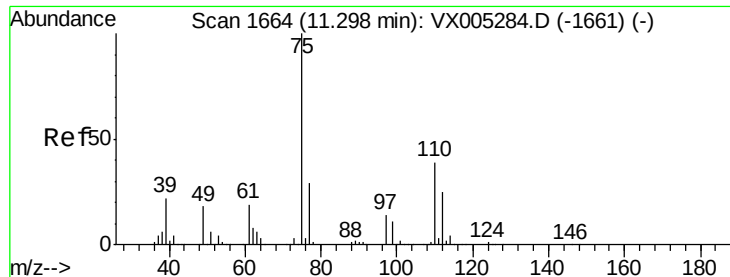
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005497.D
Acq: 23 Oct 2018 04:06

Tgt Ion:152 Resp: 141384
Ion Ratio Lower Upper
152 100
115 55.2 39.0 117.0
150 156.1 0.0 351.0



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: 23.630 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005497.D

Acq: 23 Oct 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

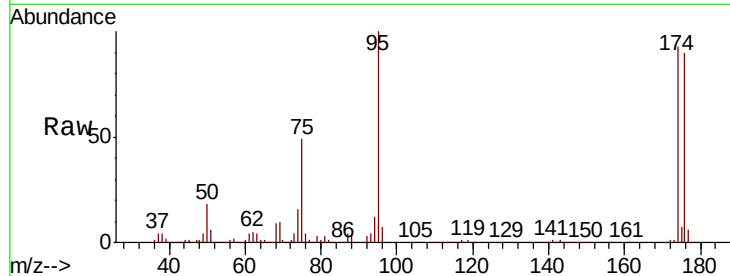
SA-SW-01

Tot Ion: 75 Resp: 64805

Ion Ratio Lower Upper

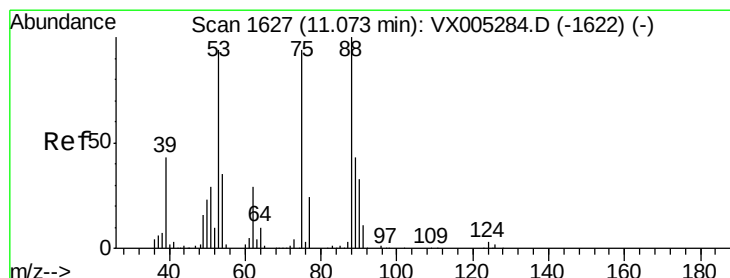
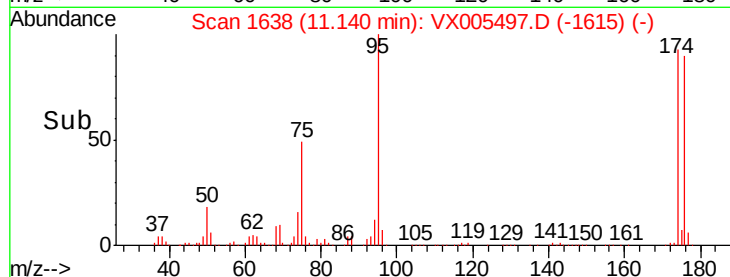
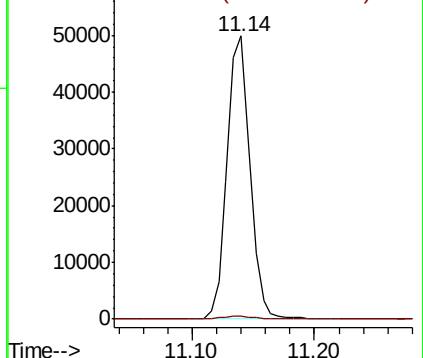
75 100

77 1.3 20.2 60.6#



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: 71.800 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005497.D

Acq: 23 Oct 2018 04:06

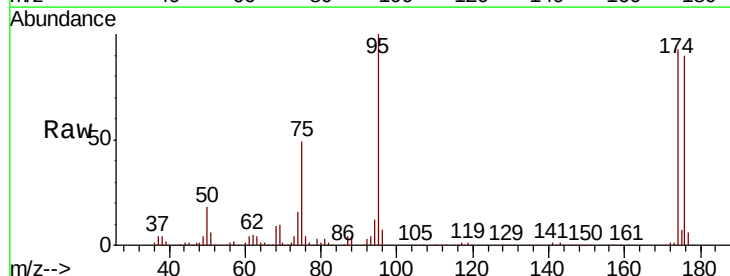
Tgt Ion: 75 Resp: 64805

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#



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

