

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013228.D
 Acq On : 25 Oct 2019 14:07
 Operator : JC/SP
 Sample : K5546-04RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-102419

Quant Time: Oct 25 23:03:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

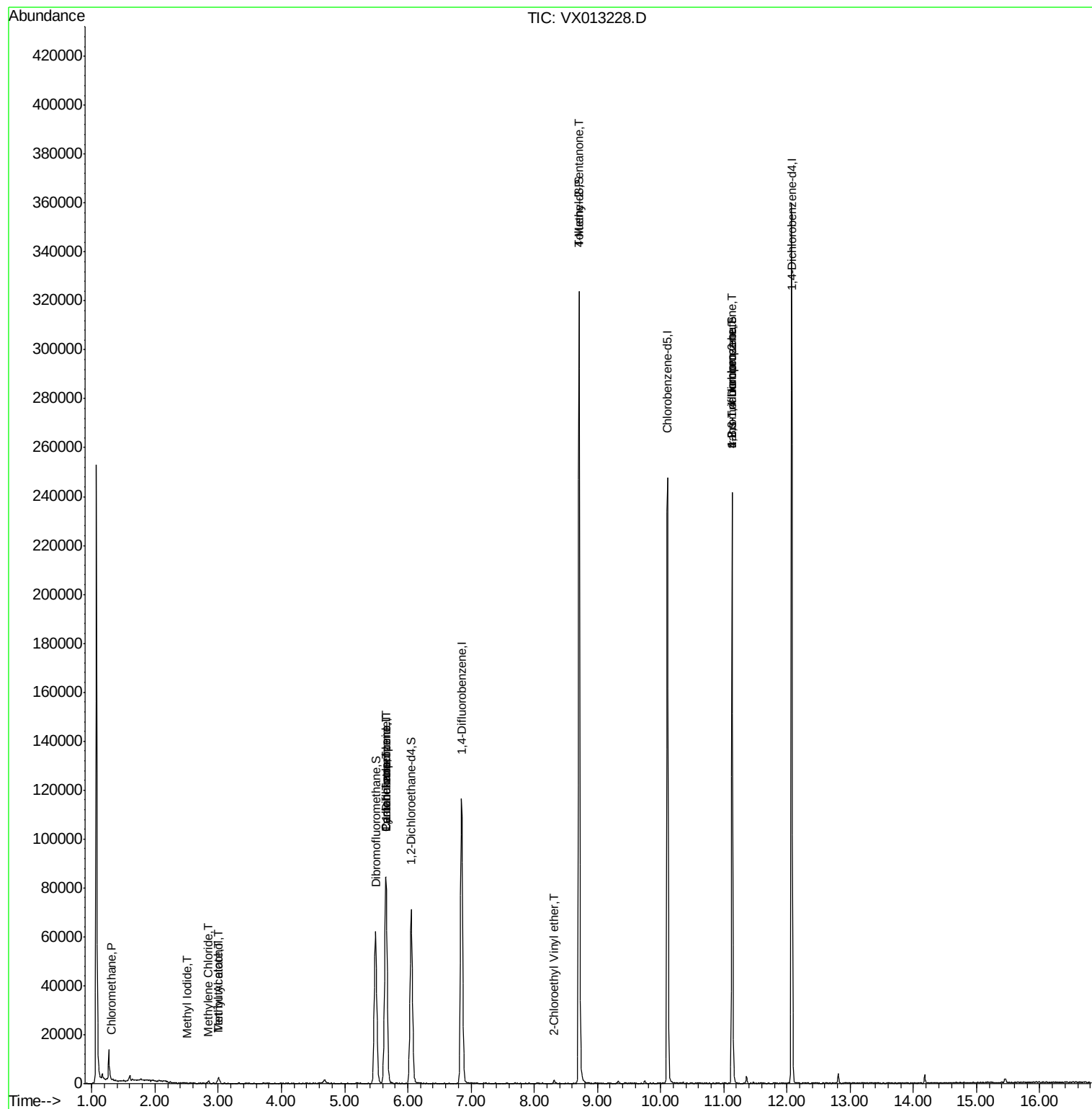
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	80763	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.85	114	116948	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	116317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	69709	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	71681	42.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.86%	
35) Dibromofluoromethane	5.49	113	52923	40.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.16%	
50) Toluene-d8	8.71	98	191429	39.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.22%	
62) 4-Bromofluorobenzene	11.14	95	67203	35.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.26%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	38	1.005	ug/l #	40
6) Chloroethane	1.70	64	164	Below Cal	#	43
10) Methyl Iodide	2.50	142	50	3.566	ug/l #	40
11) Tert butyl alcohol	3.00	59	1378	2.709	ug/l #	72
18) Methyl Acetate	3.01	43	261	1.116	ug/l #	49
20) Methylene Chloride	2.84	84	402	0.557	ug/l #	87
31) Cyclohexane	5.65	56	1707	0.781	ug/l #	34
36) 1,1-Dichloropropene	5.65	75	5954	2.969	ug/l #	47
38) Carbon Tetrachloride	5.65	117	8168	3.779	ug/l #	14
51) 4-Methyl-2-Pentanone	8.71	43	873	0.443	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.31	63	752	0.832	ug/l #	70
76) 1,2,3-Trichloropropane	11.13	75	34876	20.758	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	34876	57.042	ug/l #	10

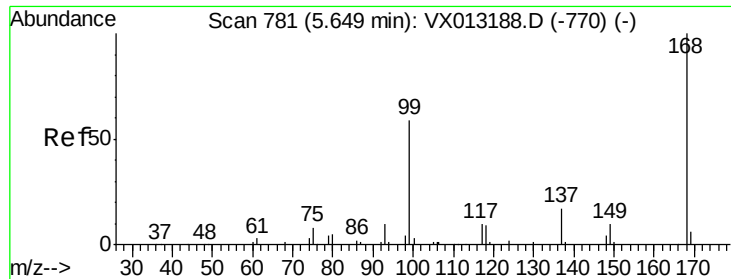
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102519\
Data File : VX013228.D
Acq On : 25 Oct 2019 14:07
Operator : JC/SP
Sample : K5546-04RE
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
TB-01-102419

Quant Time: Oct 25 23:03:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

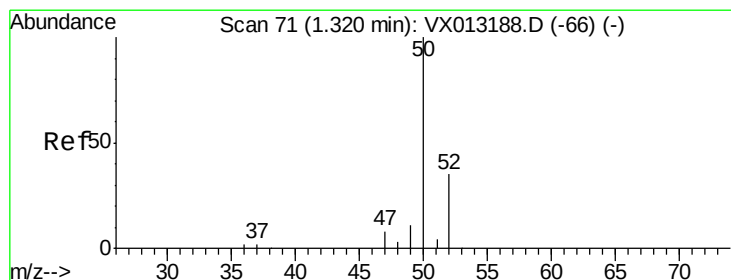
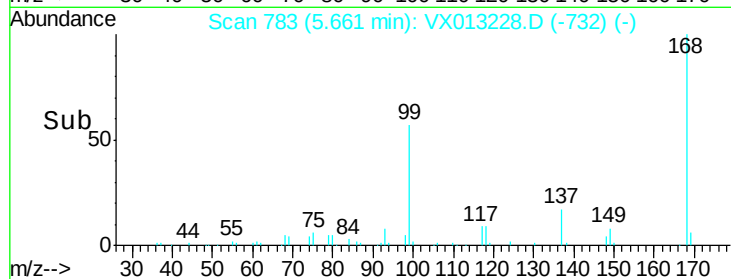
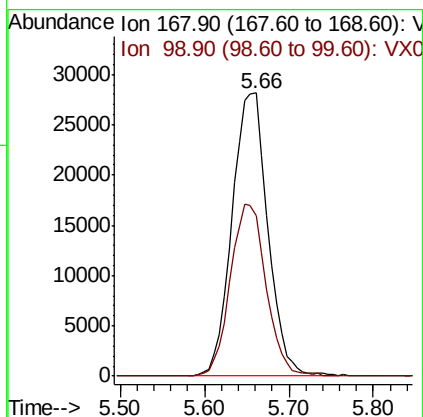
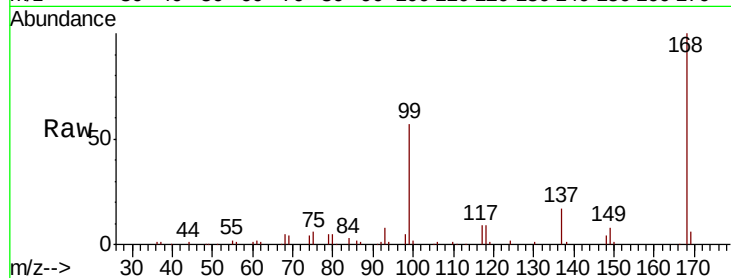




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 783
Delta R.T. 0.01 min
Lab File: VX013228.D
Acq: 25 Oct 2019 14:07

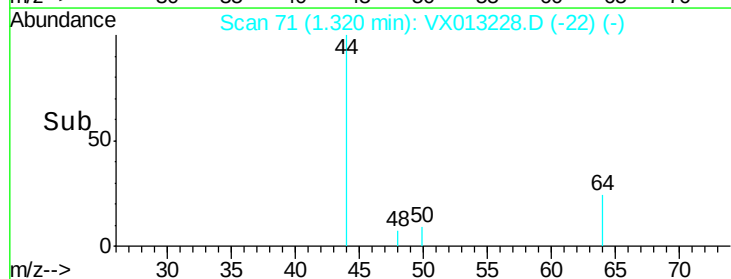
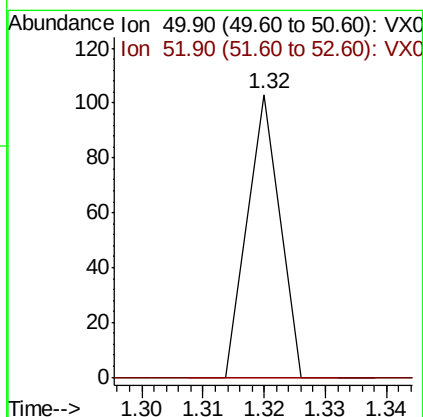
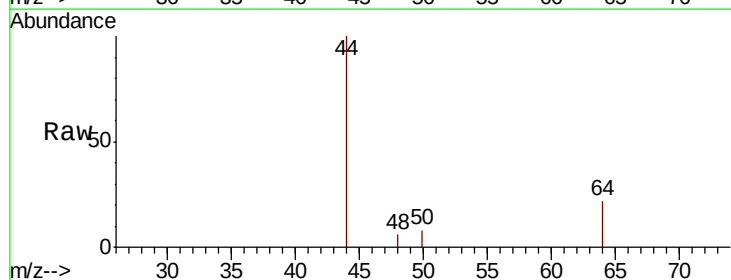
Instrument :
MSVOA_X
ClientSampleId :
TB-01-102419

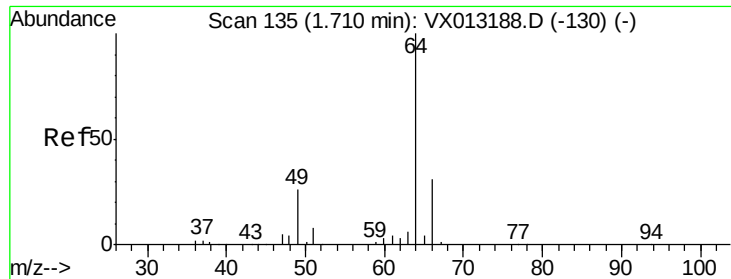
Tot Ion:168 Resp: 80763
Ion Ratio Lower Upper
168 100
99 56.5 47.0 70.4



#3
Chloromethane
Concen: 1.005 ug/l
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VX013228.D
Acq: 25 Oct 2019 14:07

Tgt Ion: 50 Resp: 38
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013228.D

Acq: 25 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

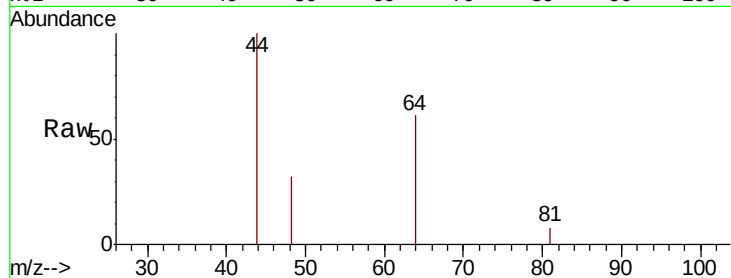
TB-01-102419

Tot Ion: 64 Resp: 164

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

400

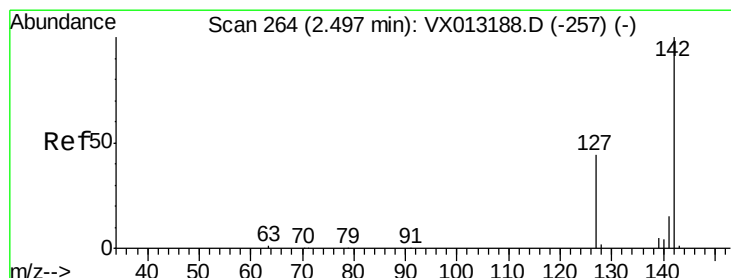
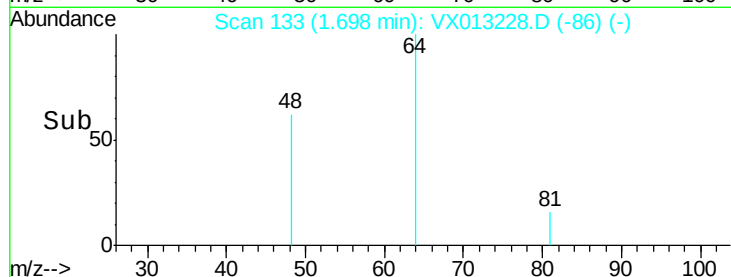
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 3.566 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX013228.D

Acq: 25 Oct 2019 14:07

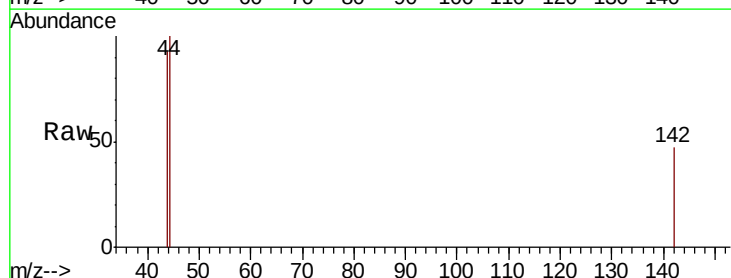
Tgt Ion: 142 Resp: 50

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.6 17.4#



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

2.50

80

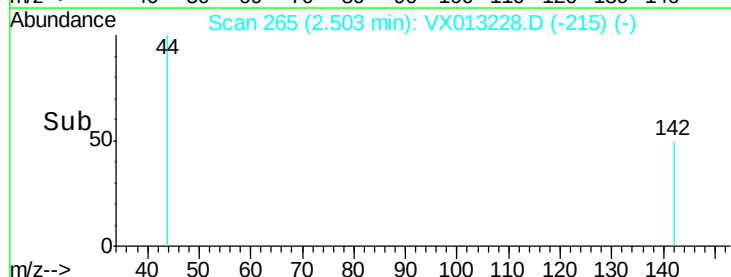
60

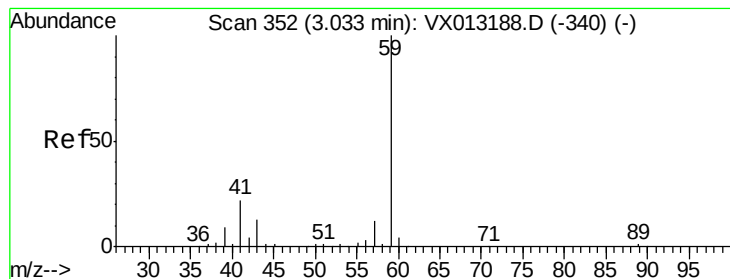
40

20

0

Time-->



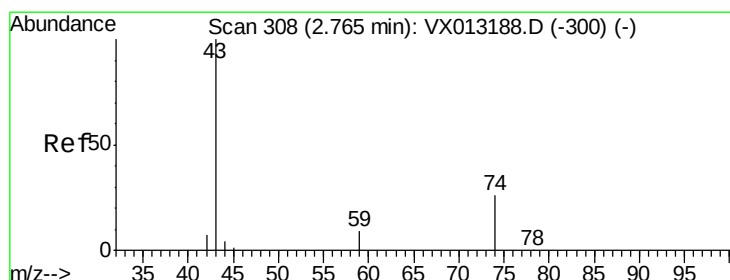
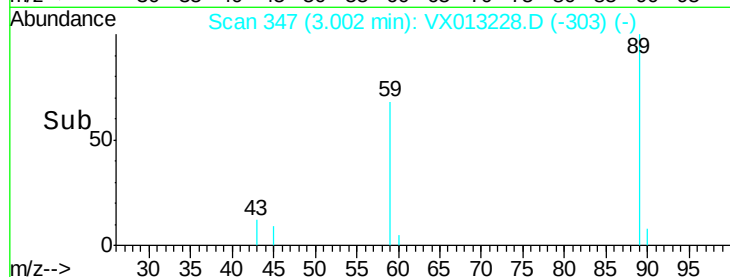
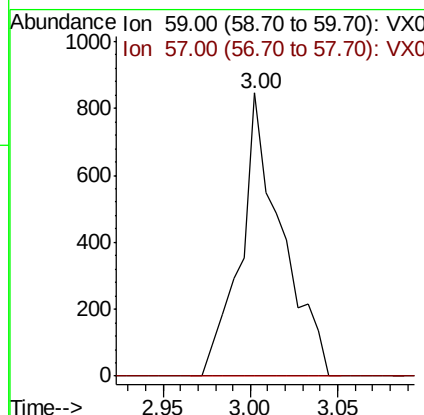
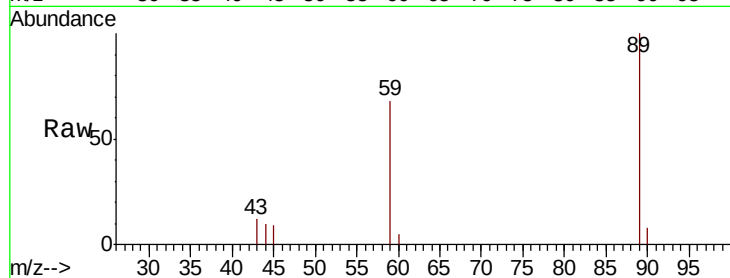


#11

Tert butyl alcohol
 Concen: 2.709 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.03 min
 Lab File: VX013228.D
 Acq: 25 Oct 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-102419

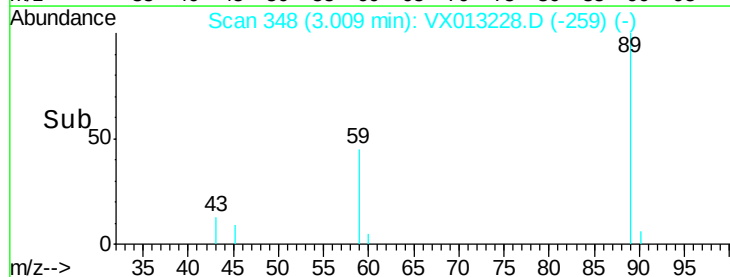
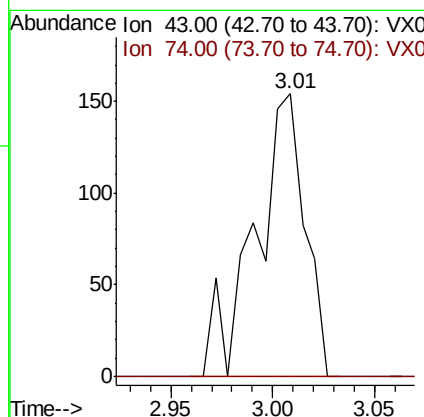
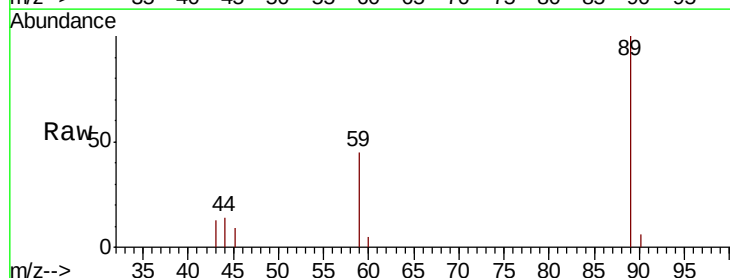
Tot Ion: 59 Resp: 1378
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

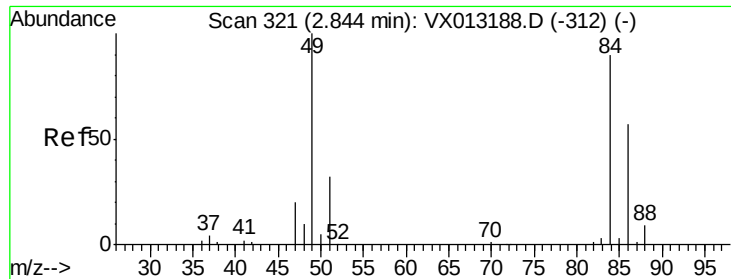


#18

Methyl Acetate
 Concen: 1.116 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. 0.24 min
 Lab File: VX013228.D
 Acq: 25 Oct 2019 14:07

Tgt Ion: 43 Resp: 261
 Ion Ratio Lower Upper
 43 100
 74 0.0 20.9 31.3#



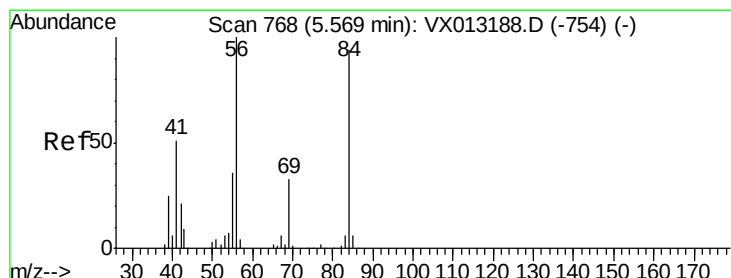
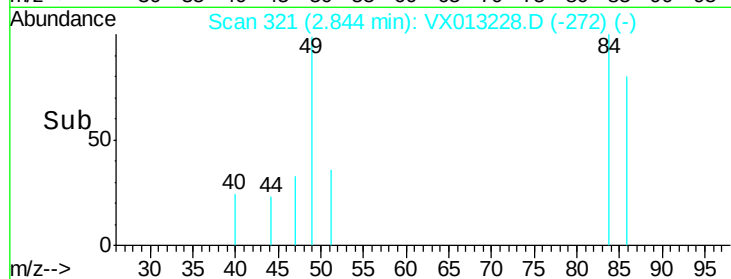
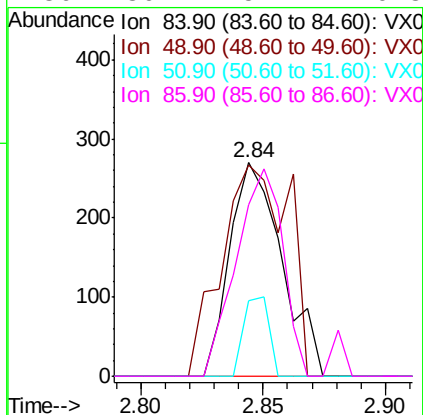
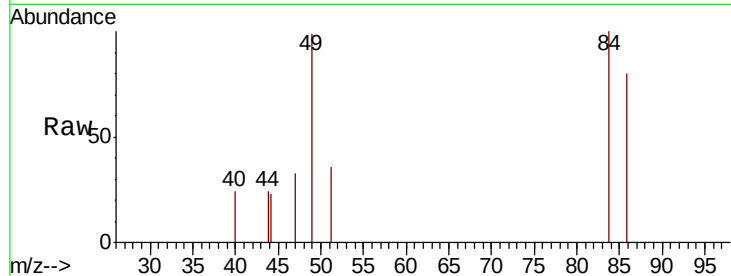


#20
Methylene Chloride
Concen: 0.557 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013228.D
Acq: 25 Oct 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
TB-01-102419

Tot Ion: 84 Resp: 402

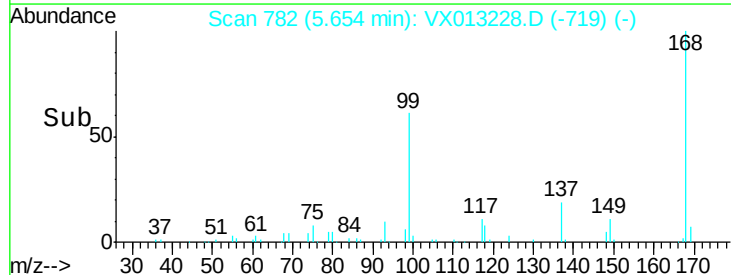
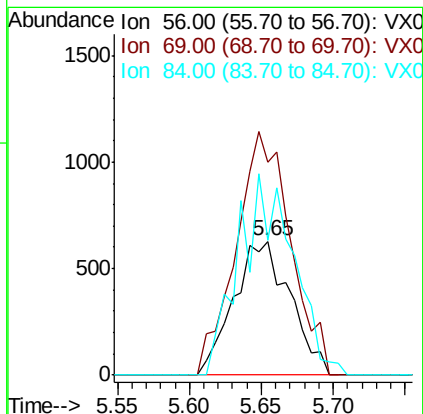
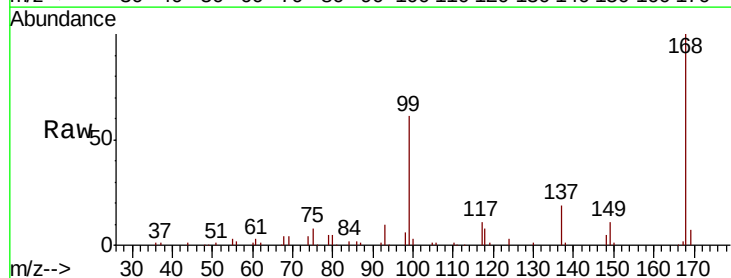
Ion	Ratio	Lower	Upper
84	100		
49	98.9	89.2	133.8
51	35.6	28.8	43.2
86	80.4	51.2	76.8#

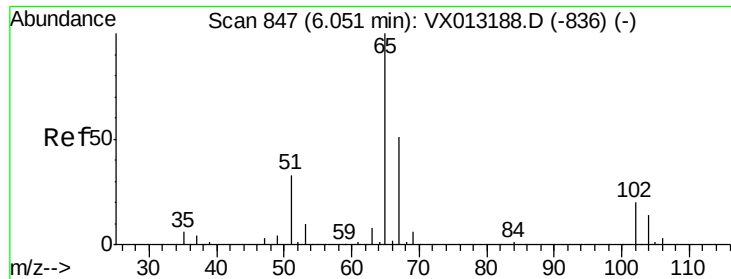


#31
Cyclohexane
Concen: 0.781 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013228.D
Acq: 25 Oct 2019 14:07

Tgt Ion: 56 Resp: 1707

Ion	Ratio	Lower	Upper
56	100		
69	159.1	26.3	39.5#
84	101.1	73.8	110.6

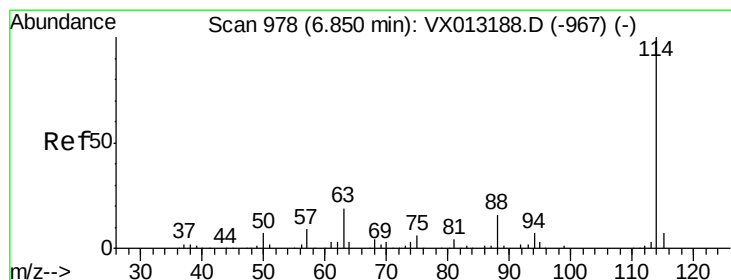
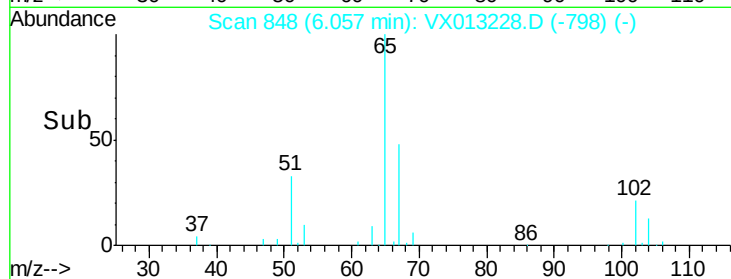
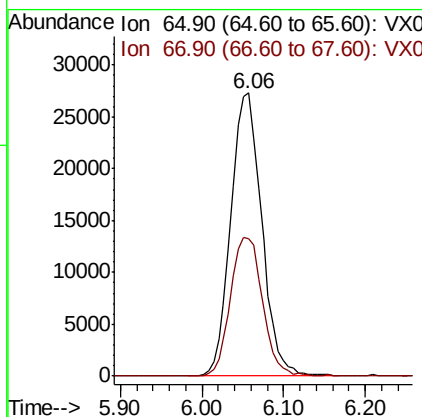
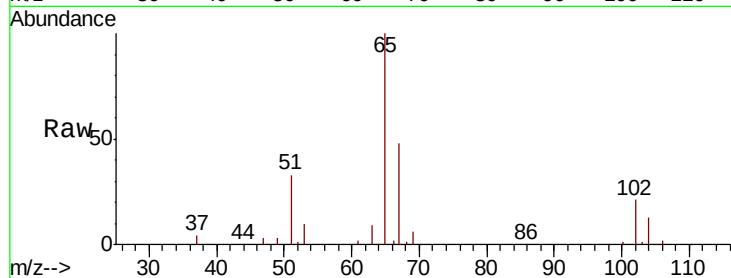




#33
 1,2-Dichloroethane-d4
 Concen: 42.435 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013228.D
 Acq: 25 Oct 2019 14:07

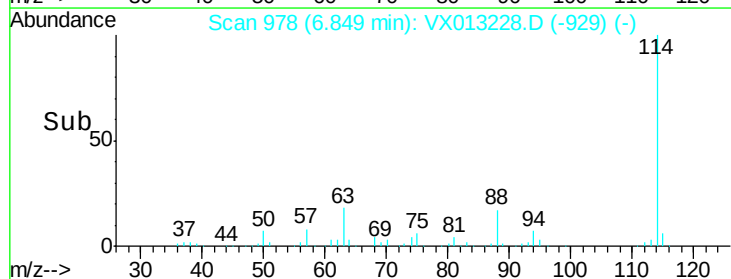
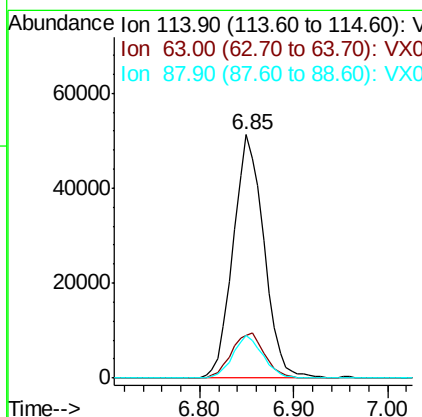
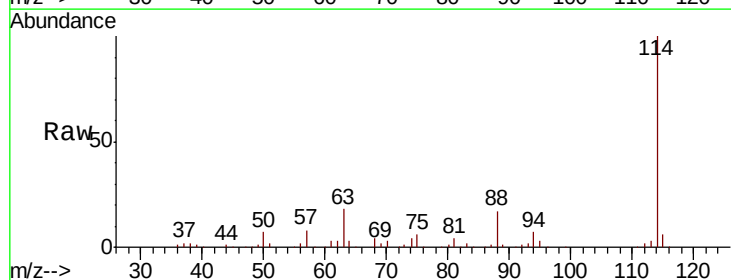
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-102419

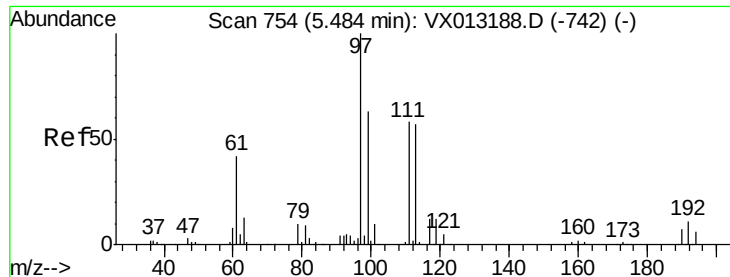
Tot Ion: 65 Resp: 71681
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013228.D
 Acq: 25 Oct 2019 14:07

Tgt Ion: 114 Resp: 116948
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 39.0
 88 17.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 40.581 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013228.D

Acq: 25 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

TB-01-102419

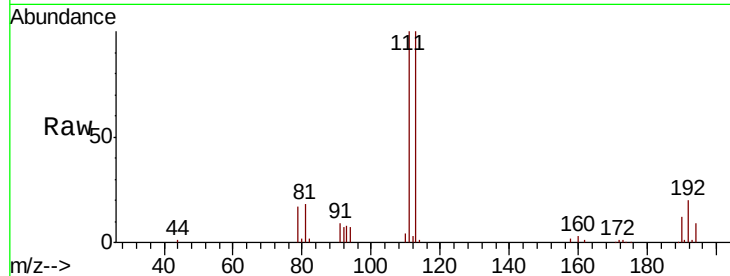
Tot Ion:113 Resp: 52923

Ion Ratio Lower Upper

113 100

111 103.6 80.3 120.5

192 20.4 15.9 23.9

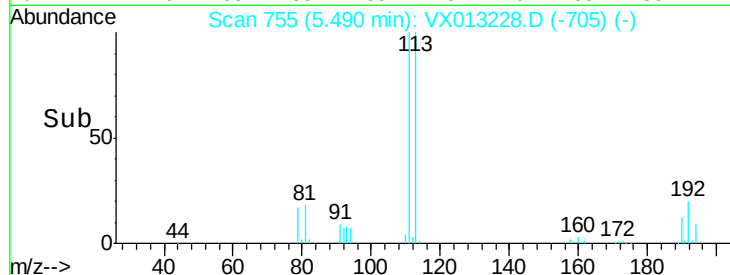


Abundance Ion 112.80 (112.50 to 113.50): V

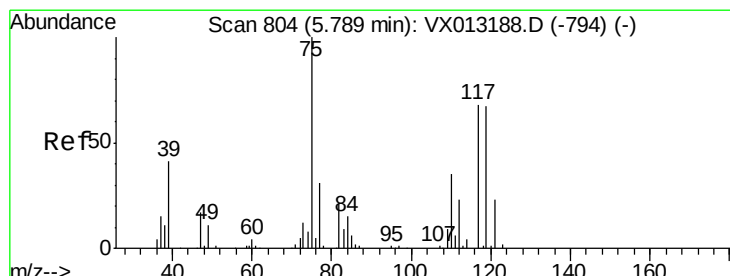
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



Time-->



#36

1,1-Dichloropropene

Concen: 2.969 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013228.D

Acq: 25 Oct 2019 14:07

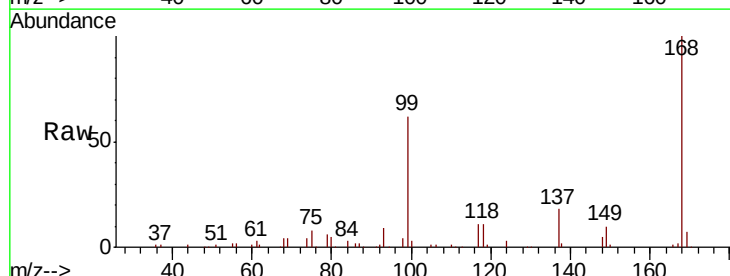
Tgt Ion: 75 Resp: 5954

Ion Ratio Lower Upper

75 100

110 6.1 17.6 52.9#

77 0.0 24.7 37.1#

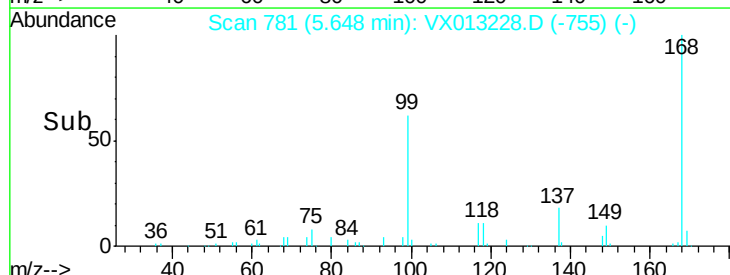


Abundance Ion 74.90 (74.60 to 75.60): VX0

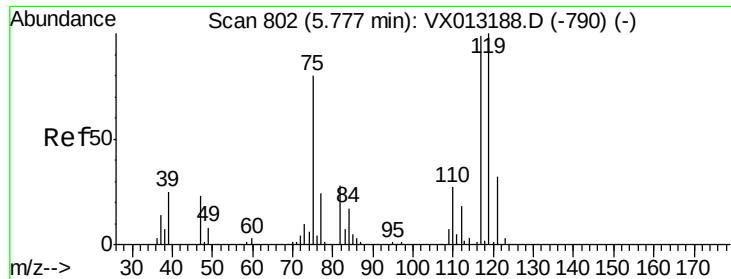
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

Time-->



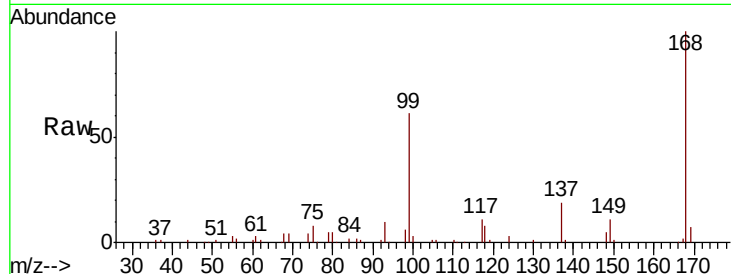
Time-->



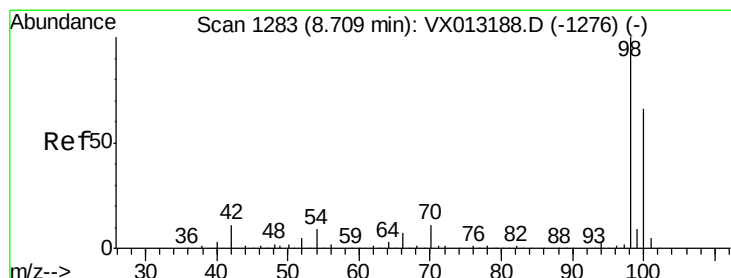
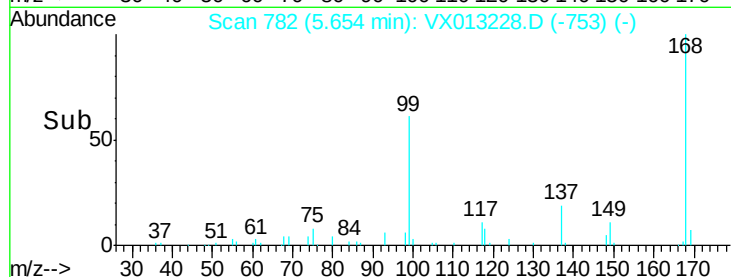
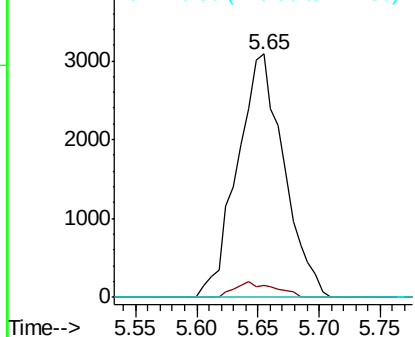
#38
Carbon Tetrachloride
Concen: 3.779 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013228.D
Acq: 25 Oct 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
TB-01-102419

Tot Ion:117 Resp: 8168
Ion Ratio Lower Upper
117 100
119 4.9 80.1 120.1#
121 0.0 25.5 38.3#

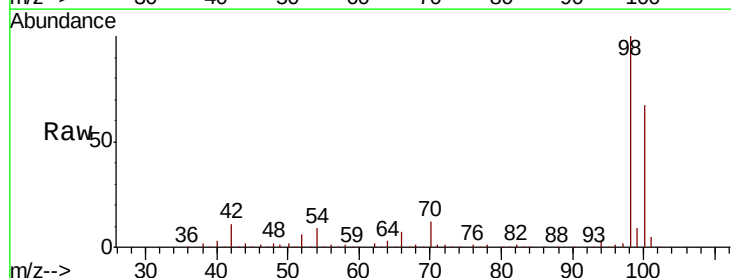


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

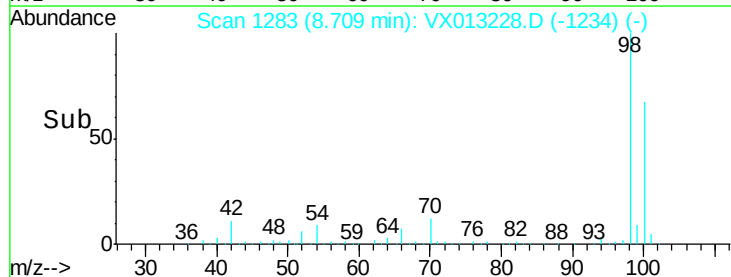
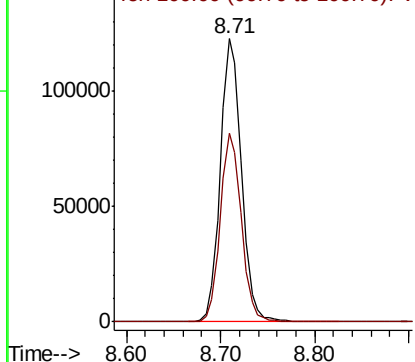


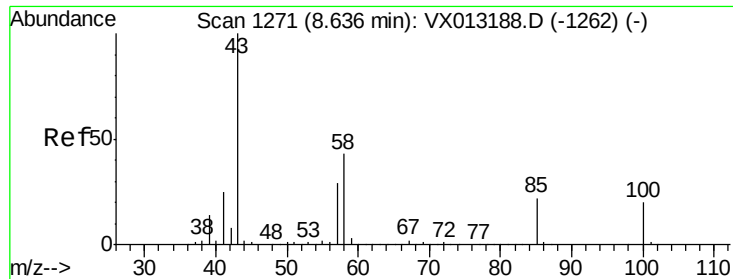
#50
Toluene-d8
Concen: 39.609 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013228.D
Acq: 25 Oct 2019 14:07

Tgt Ion: 98 Resp: 191429
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.443 ug/l

RT: 8.71 min Scan# 1284

Delta R.T. 0.08 min

Lab File: VX013228.D

Acq: 25 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

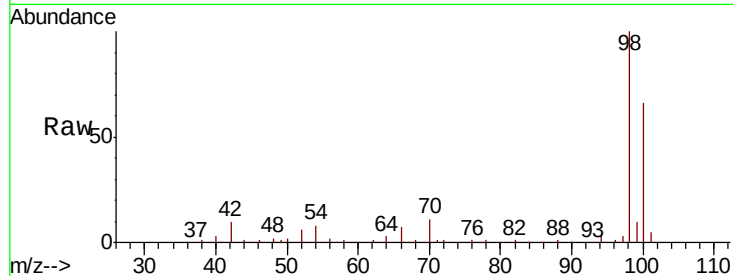
TB-01-102419

Tot Ion: 43 Resp: 873

Ion Ratio Lower Upper

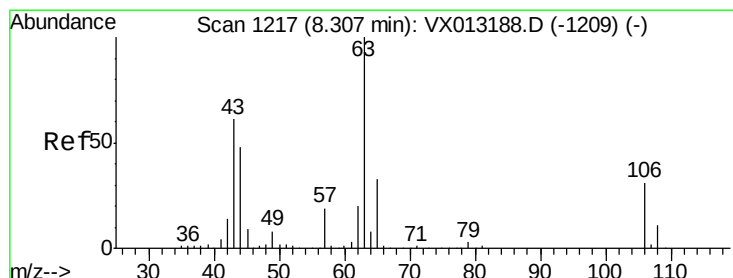
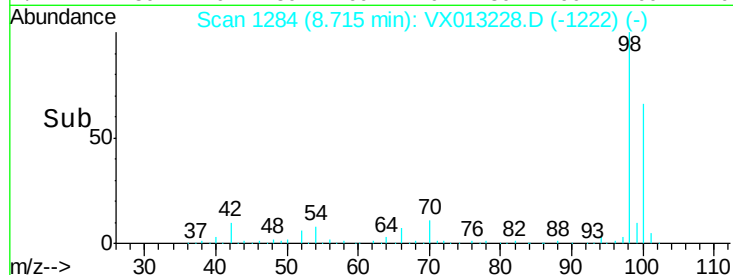
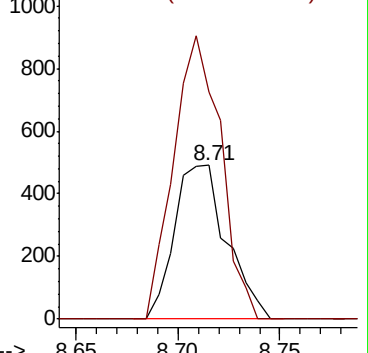
43 100

58 166.1 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 0.832 ug/l

RT: 8.31 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VX013228.D

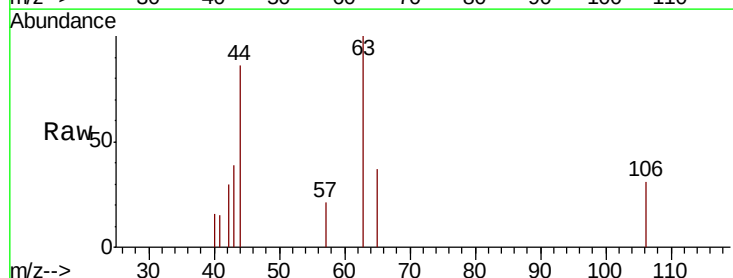
Acq: 25 Oct 2019 14:07

Tgt Ion: 63 Resp: 752

Ion Ratio Lower Upper

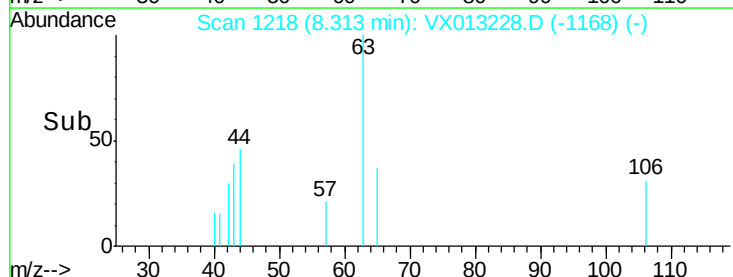
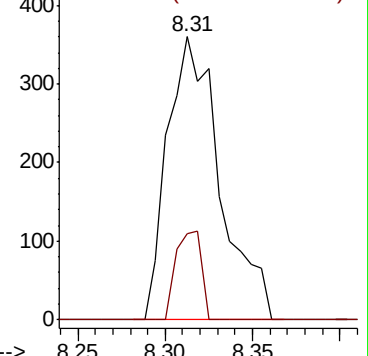
63 100

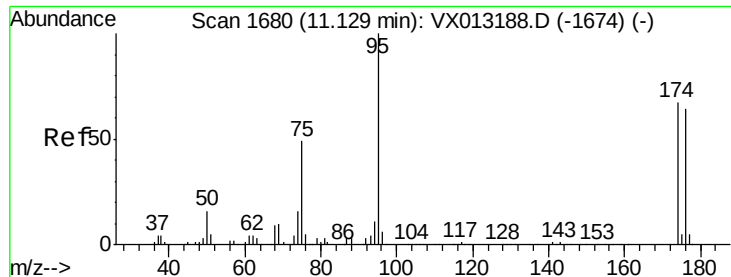
106 15.2 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 35.131 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013228.D

Acq: 25 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

TB-01-102419

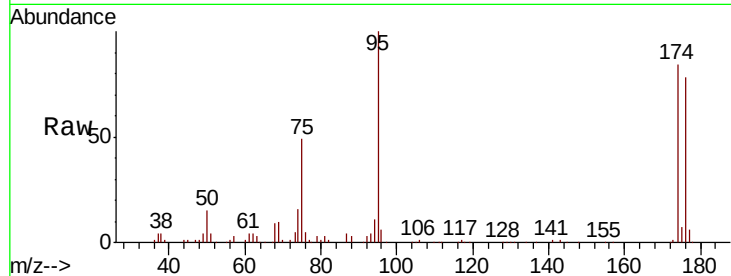
Tot Ion: 95 Resp: 67203

Ion Ratio Lower Upper

95 100

174 80.7 0.0 152.4

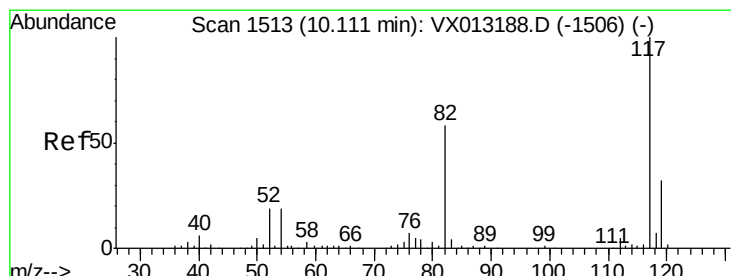
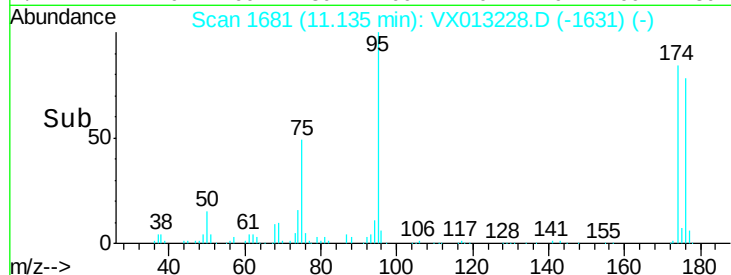
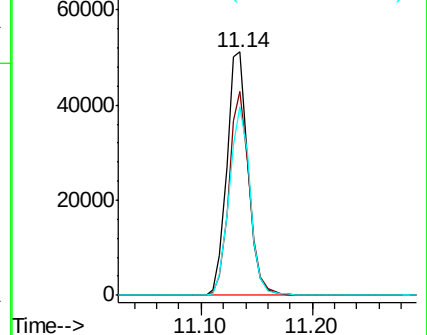
176 76.1 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013228.D

Acq: 25 Oct 2019 14:07

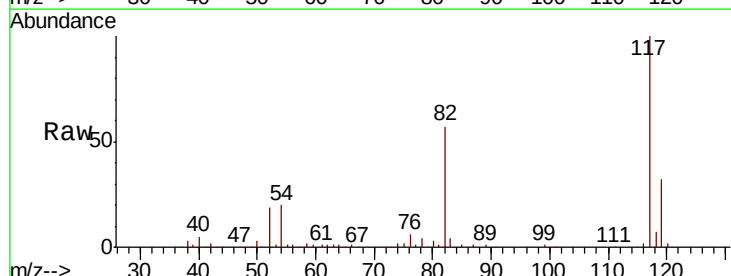
Tgt Ion: 117 Resp: 116317

Ion Ratio Lower Upper

117 100

82 57.4 46.5 69.7

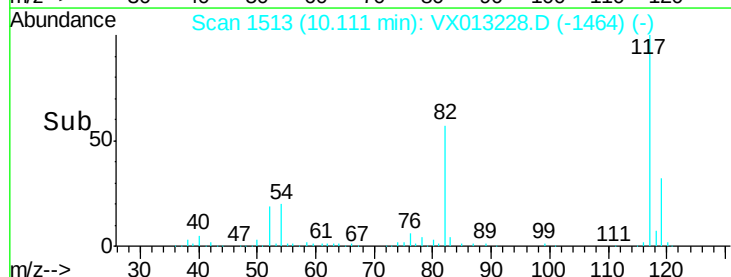
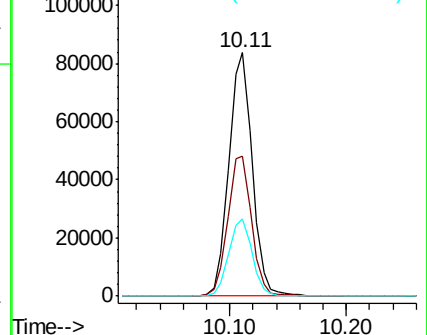
119 31.9 25.2 37.8

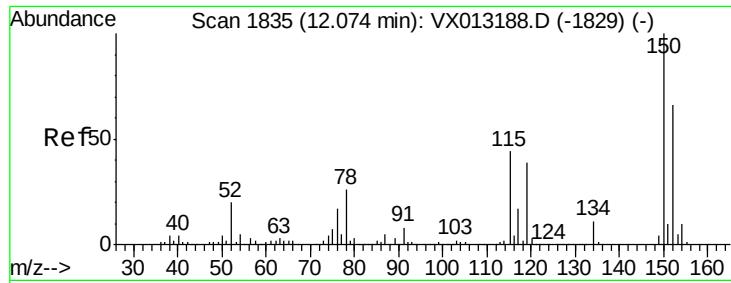


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013228.D

Acq: 25 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

TB-01-102419

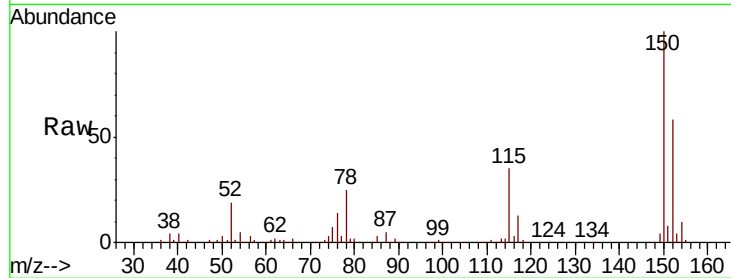
Tot Ion:152 Resp: 69709

Ion Ratio Lower Upper

152 100

115 62.2 46.6 139.8

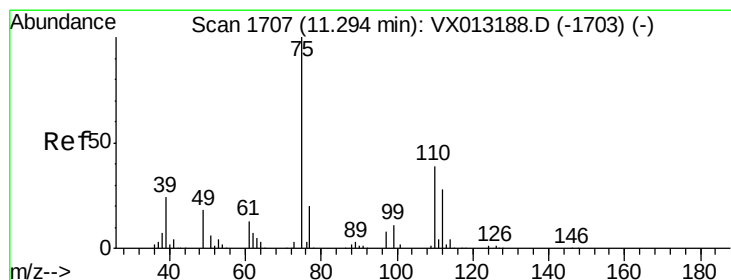
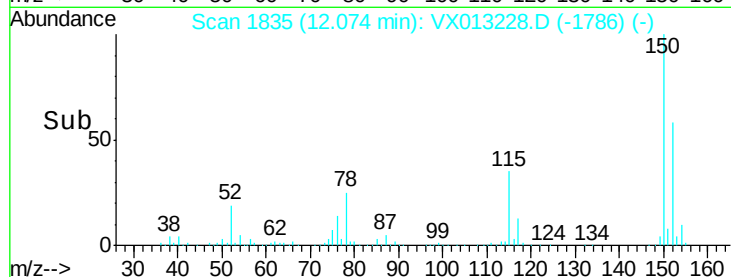
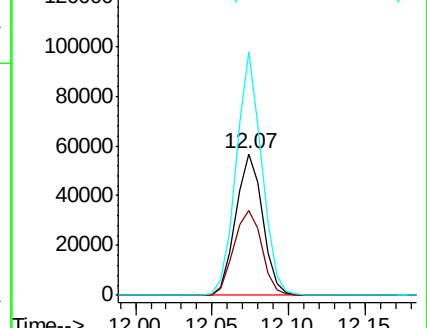
150 161.9 0.0 354.0



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: 20.758 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013228.D

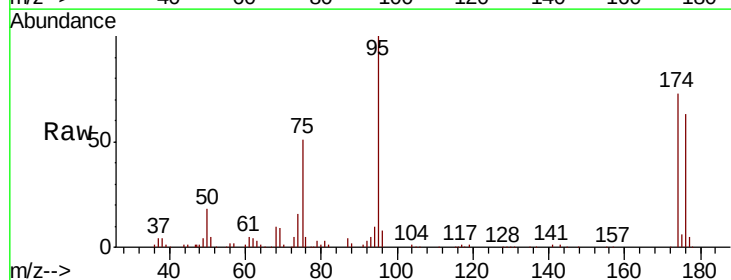
Acq: 25 Oct 2019 14:07

Tgt Ion: 75 Resp: 34876

Ion Ratio Lower Upper

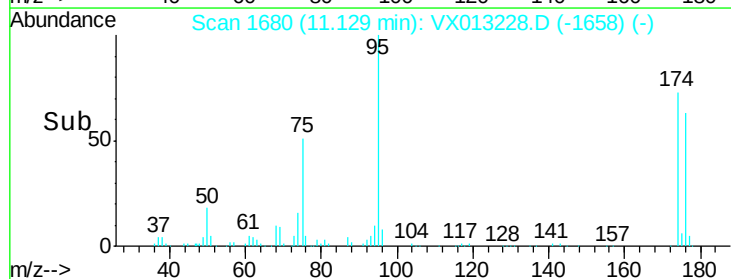
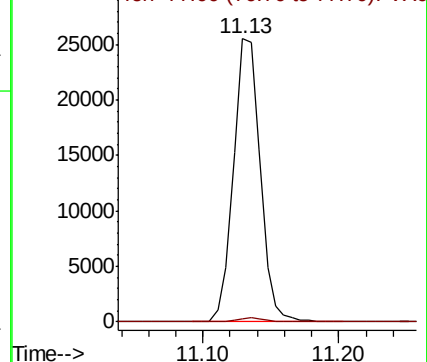
75 100

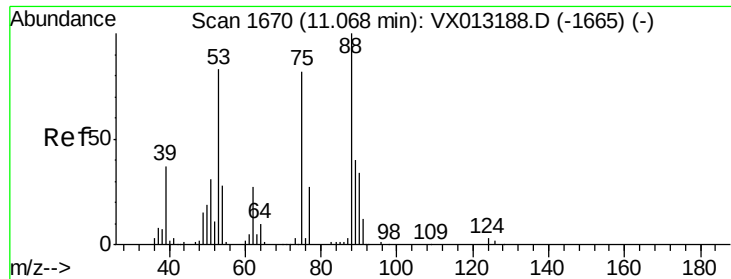
77 1.3 19.1 57.5#



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: 57.042 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013228.D

Acq: 25 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

TB-01-102419

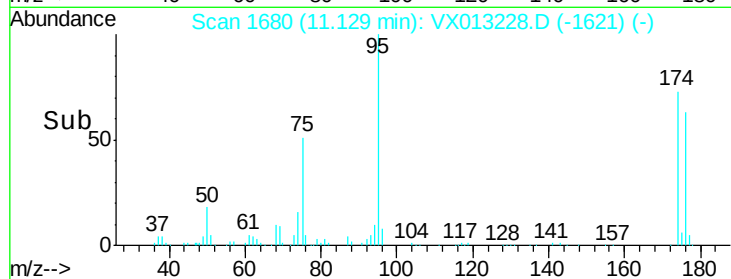
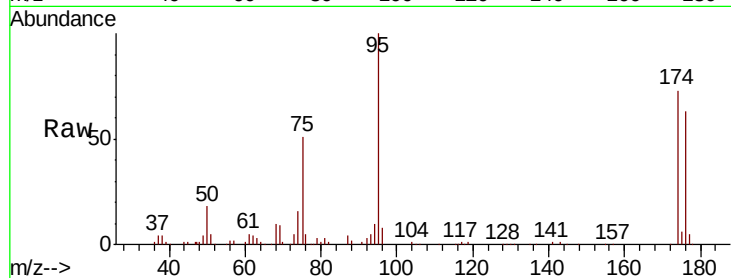
Tot Ion: 75 Resp: 34876

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

89 0.0 37.3 55.9#



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

