

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041119\
 Data File : VX008851.D
 Acq On : 11 Apr 2019 14:58
 Operator : JC/SP
 Sample : K2338-03
 Misc : 6.71g/5mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-DEEP

Quant Time: Apr 12 07:34:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	161514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	262993	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	231020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112023	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	105848	44.93	ug/l	0.00
Spiked Amount						
			Recovery	=	89.86%	
35) Dibromofluoromethane	5.50	113	75209	44.73	ug/l	0.00
Spiked Amount						
			Recovery	=	89.46%	
50) Toluene-d8	8.71	98	327885	48.97	ug/l	0.00
Spiked Amount						
			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	11.14	95	118498	49.91	ug/l	0.00
Spiked Amount						
			Recovery	=	99.82%	

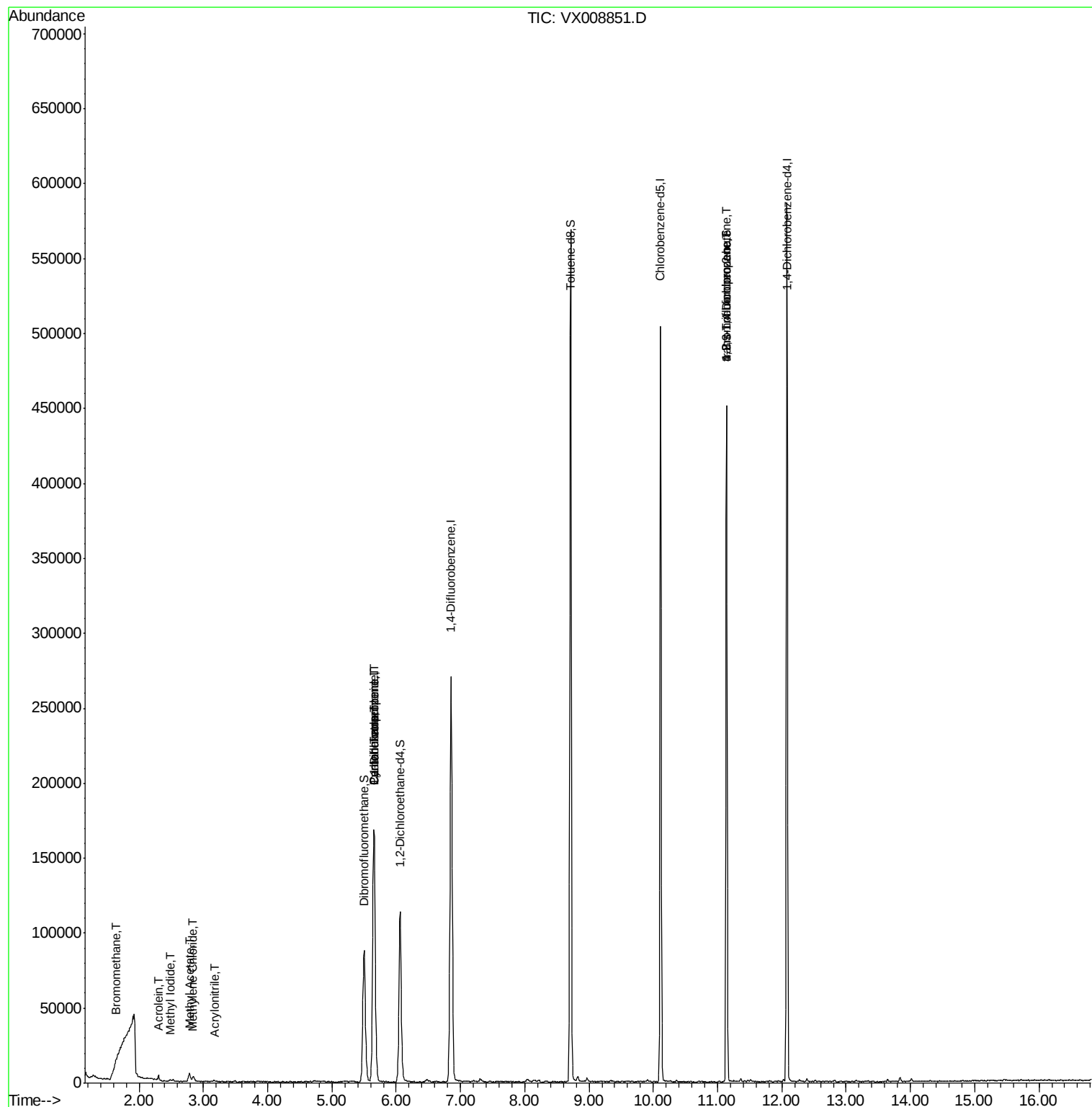
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	516	Below Cal		94
5) Bromomethane	1.64	94	1239	2.848	ug/l	89
6) Chloroethane	1.70	64	105	Below Cal	#	1
10) Methyl Iodide	2.48	142	976	4.554	ug/l #	84
13) Acrolein	2.30	56	165	0.603	ug/l #	20
15) Acrylonitrile	3.18	53	538	0.368	ug/l #	22
17) Carbon Disulfide	2.53	76	1246	Below Cal	#	76
18) Methyl Acetate	2.79	43	2953	0.897	ug/l #	64
20) Methylene Chloride	2.84	84	1581	0.696	ug/l	91
28) Bromochloromethane	5.01	49	49	Below Cal	#	22
31) Cyclohexane	5.65	56	3937	0.967	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13489	4.692	ug/l #	51
38) Carbon Tetrachloride	5.66	117	15385	6.466	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	60667	19.714	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	60667	54.342	ug/l #	9

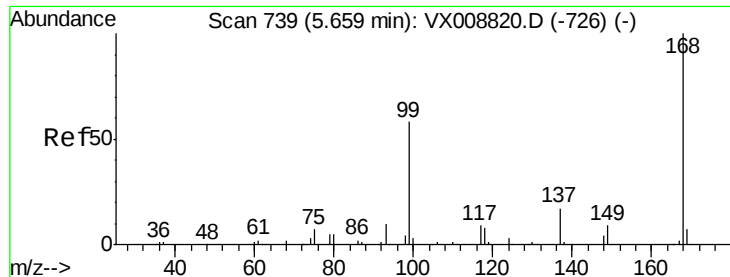
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX041119\
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QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX008851.D

Acq: 11 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

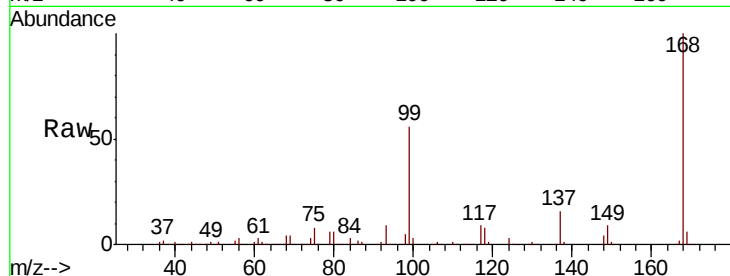
TP-1-DEEP

Tgt Ion:168 Resp: 161514

Ion Ratio Lower Upper

168 100

99 55.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

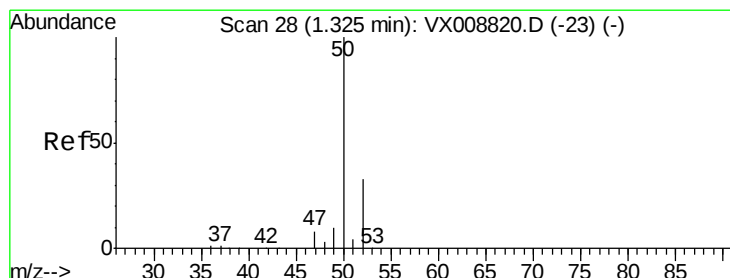
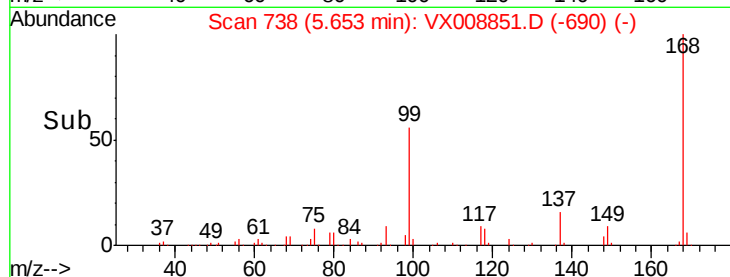
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008851.D

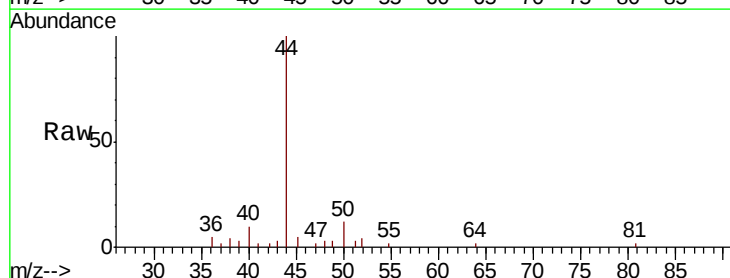
Acq: 11 Apr 2019 14:58

Tgt Ion: 50 Resp: 516

Ion Ratio Lower Upper

50 100

52 35.6 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

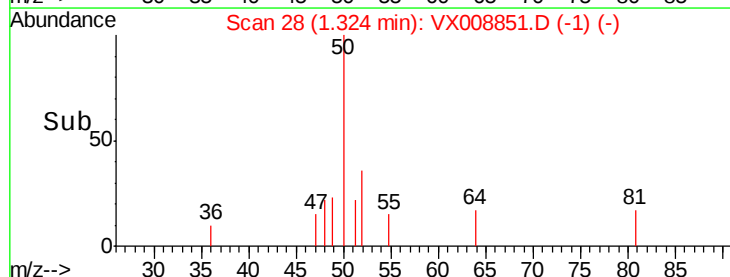
200

100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.848 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008851.D

Acq: 11 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

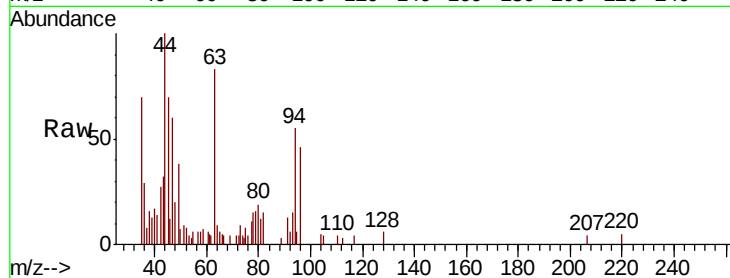
TP-1-DEEP

Tgt Ion: 94 Resp: 1239

Ion Ratio Lower Upper

94 100

96 83.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

600

400

200

0

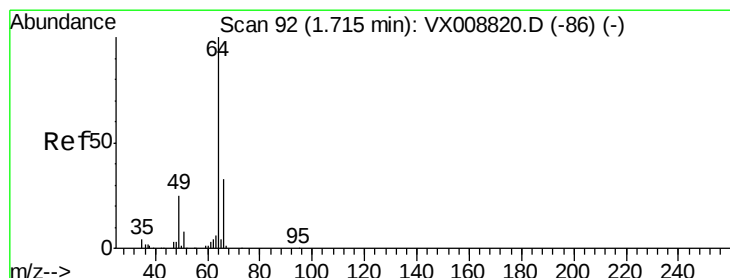
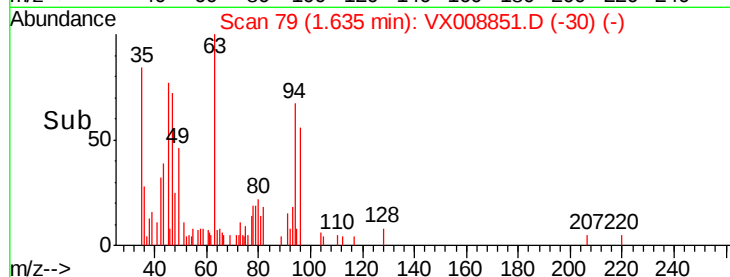
Time-->

1.55

1.60

1.65

1.70



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX008851.D

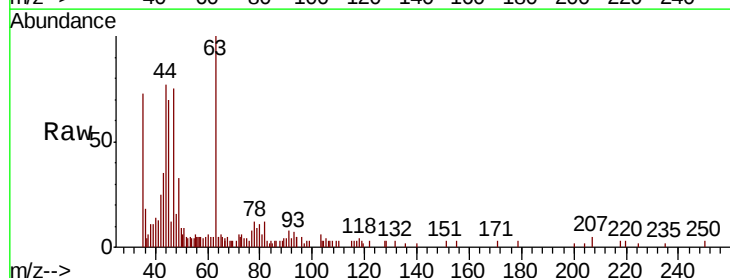
Acq: 11 Apr 2019 14:58

Tgt Ion: 64 Resp: 105

Ion Ratio Lower Upper

64 100

66 97.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

250

200

150

100

50

0

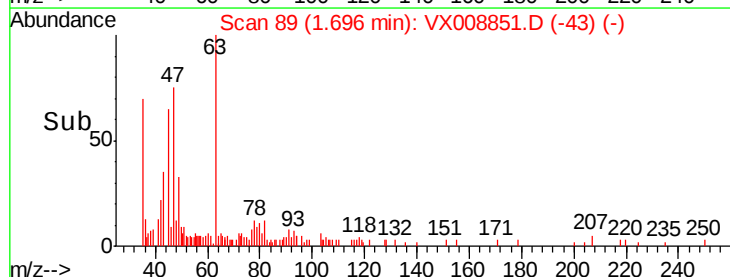
Time-->

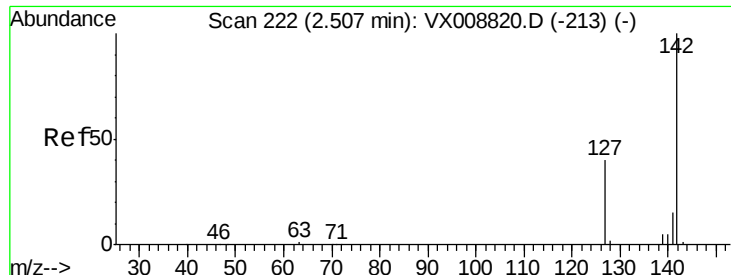
1.68

1.69

1.70

1.71

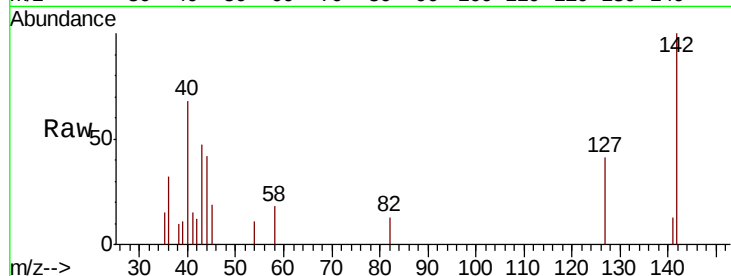




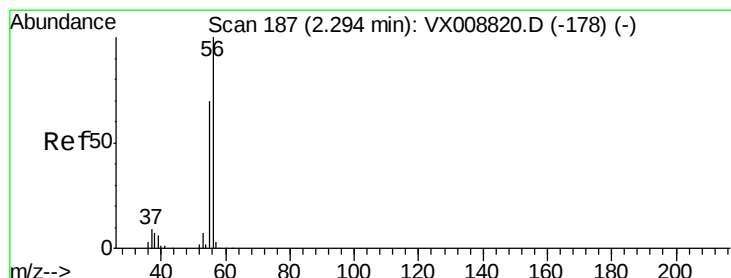
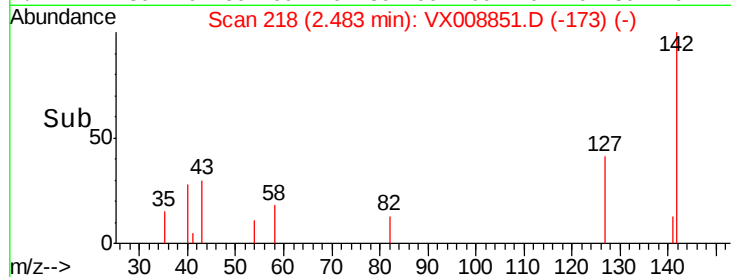
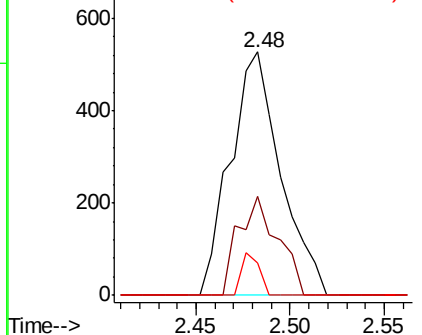
#10
Methyl Iodide
Concen: 4.554 ug/l
RT: 2.48 min Scan# 218
Delta R.T. -0.02 min
Lab File: VX008851.D
Acq: 11 Apr 2019 14:58

Instrument :
MSVOA_X
ClientSampleId :
TP-1-DEEP

Tgt Ion: 142 Resp: 976
Ion Ratio Lower Upper
142 100
127 31.9 33.0 49.6#
141 6.0 11.4 17.2#

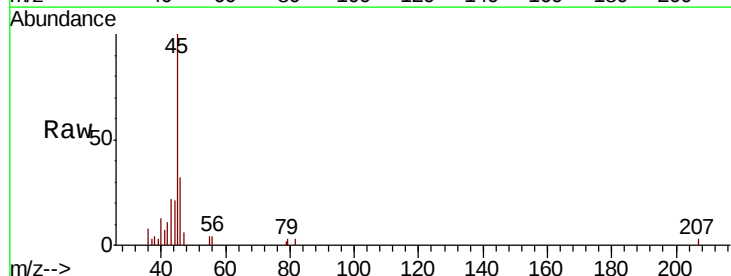


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

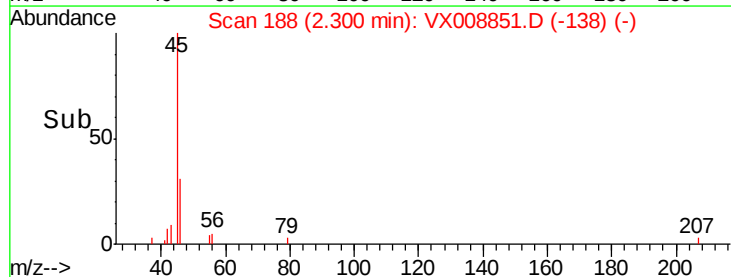
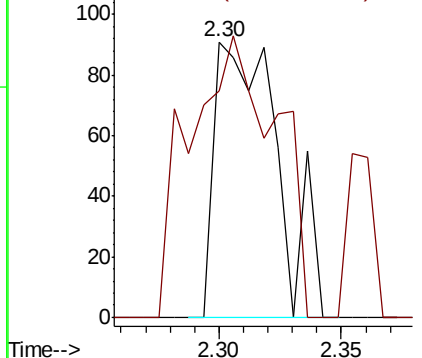


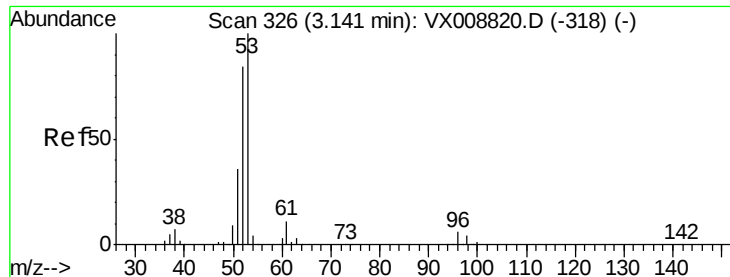
#13
Acrolein
Concen: 0.603 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX008851.D
Acq: 11 Apr 2019 14:58

Tgt Ion: 56 Resp: 165
Ion Ratio Lower Upper
56 100
55 139.4 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.368 ug/l

RT: 3.18 min Scan# 333

Delta R.T. 0.04 min

Lab File: VX008851.D

Acq: 11 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

TP-1-DEEP

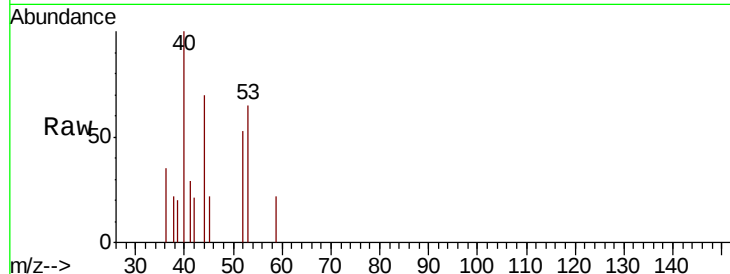
Tgt Ion: 53 Resp: 538

Ion Ratio Lower Upper

53 100

52 0.0 66.5 99.7#

51 10.0 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

250

200

150

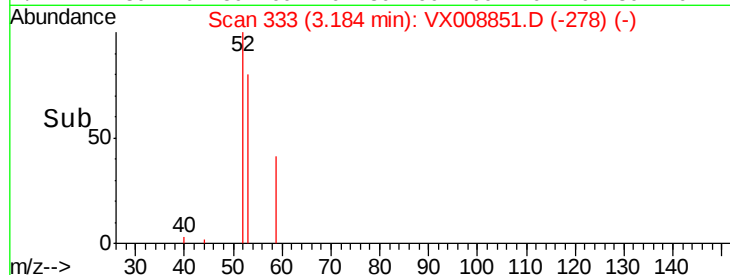
100

50

0

3.10 3.15 3.20 3.25

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.53 min Scan# 225

Delta R.T. -0.04 min

Lab File: VX008851.D

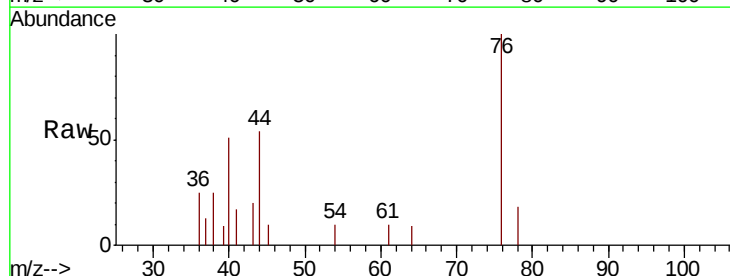
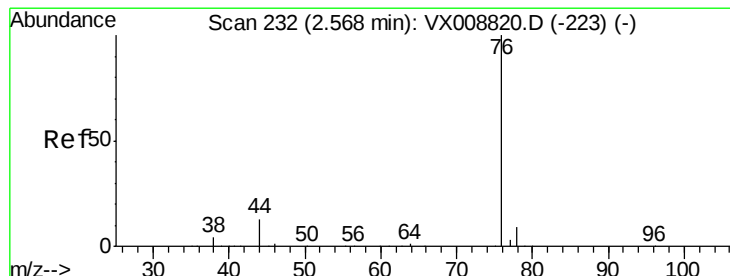
Acq: 11 Apr 2019 14:58

Tgt Ion: 76 Resp: 1246

Ion Ratio Lower Upper

76 100

78 17.6 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

600

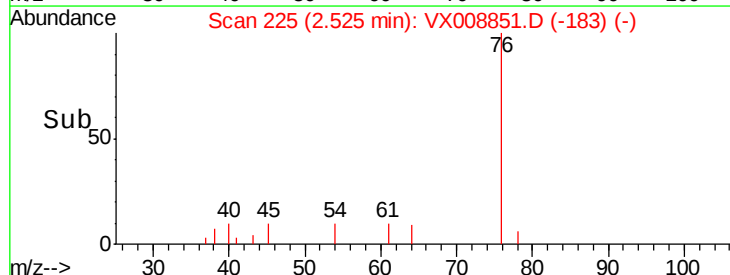
400

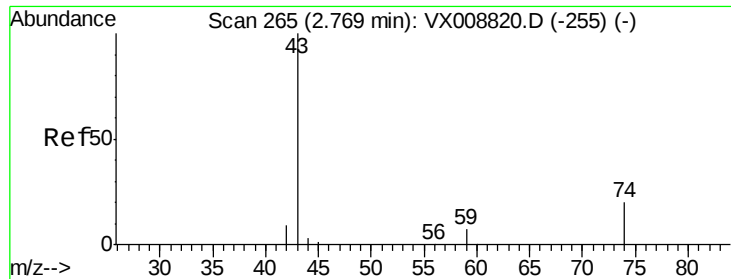
200

0

2.45 2.50 2.55 2.60

Time-->

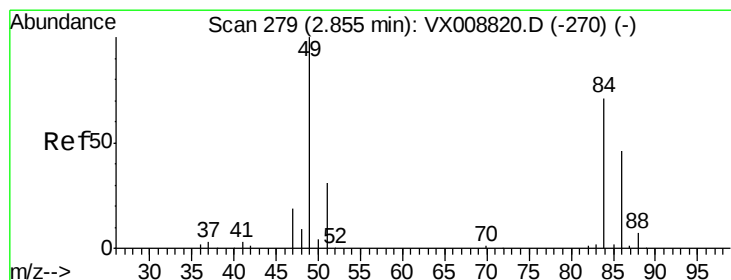
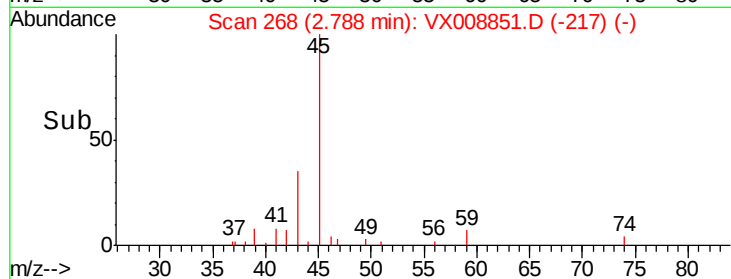
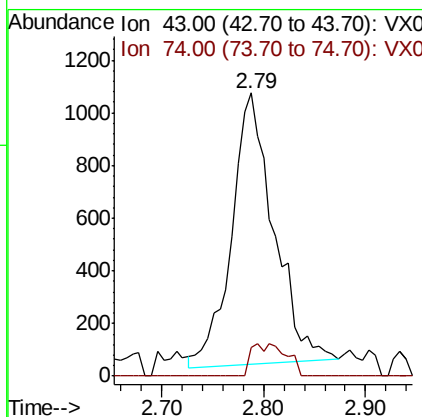
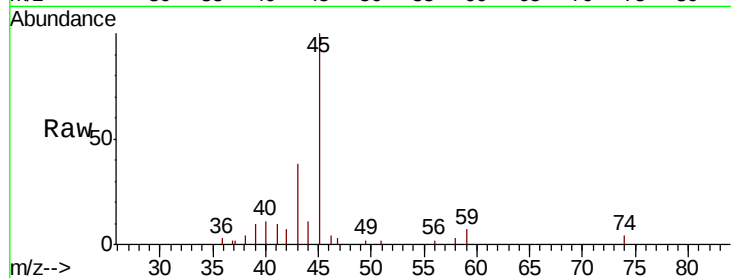




#18
Methyl Acetate
Concen: 0.897 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX008851.D
Acq: 11 Apr 2019 14:58

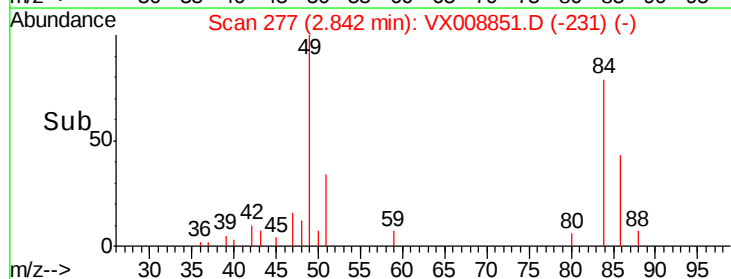
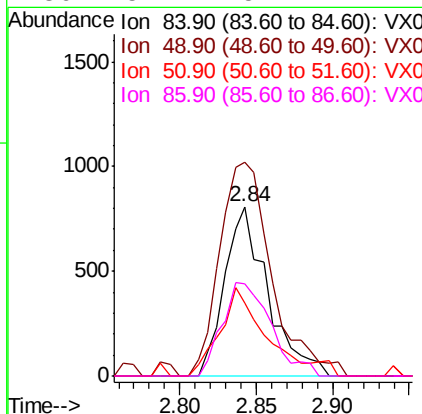
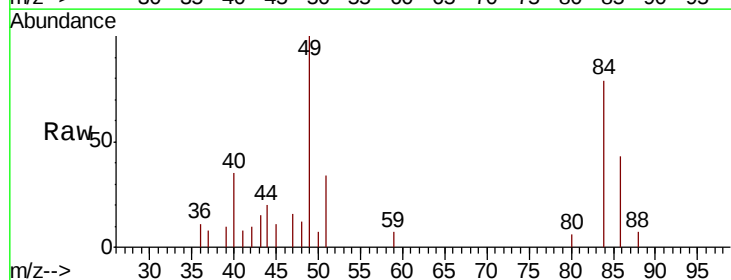
Instrument :
MSVOA_X
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TP-1-DEEP

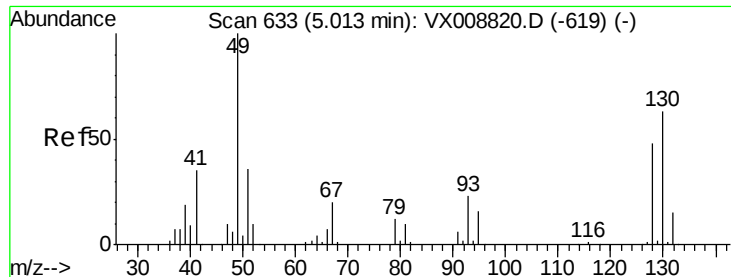
Tgt Ion: 43 Resp: 2953
Ion Ratio Lower Upper
43 100
74 4.1 16.5 24.7#



#20
Methylene Chloride
Concen: 0.696 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.02 min
Lab File: VX008851.D
Acq: 11 Apr 2019 14:58

Tgt Ion: 84 Resp: 1581
Ion Ratio Lower Upper
84 100
49 126.2 109.7 164.5
51 42.9 33.6 50.4
86 54.1 51.4 77.2

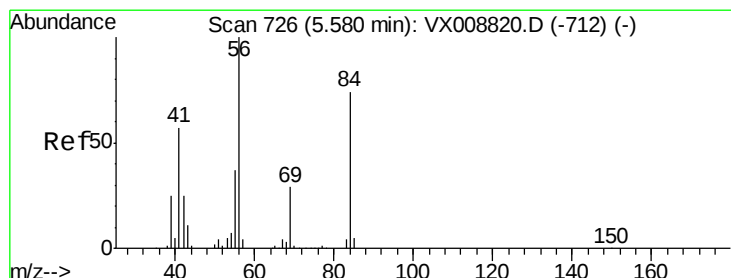
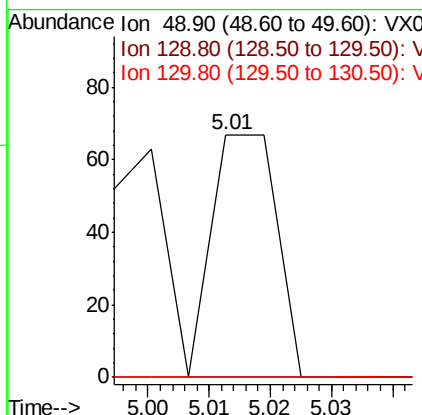
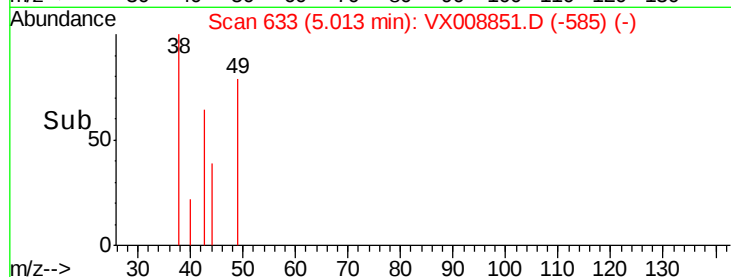
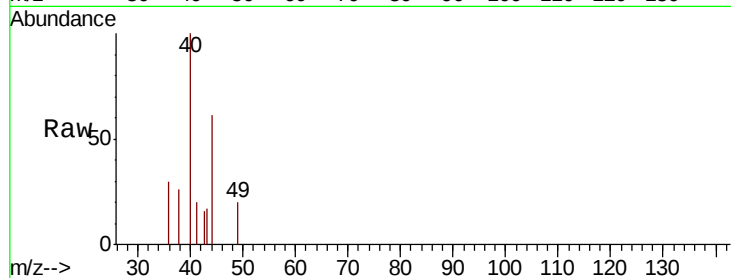




#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008851.D
Acq: 11 Apr 2019 14:58

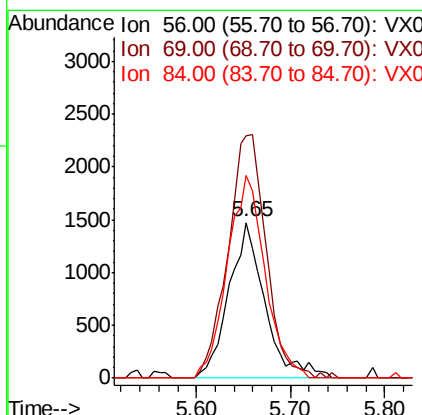
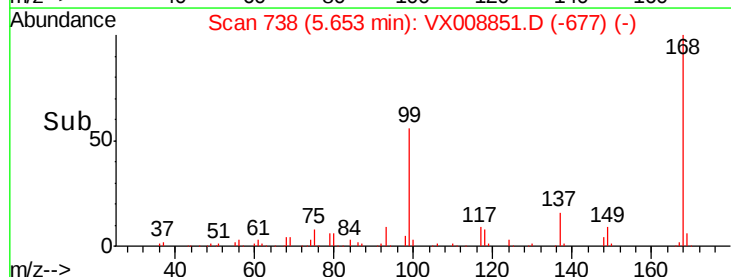
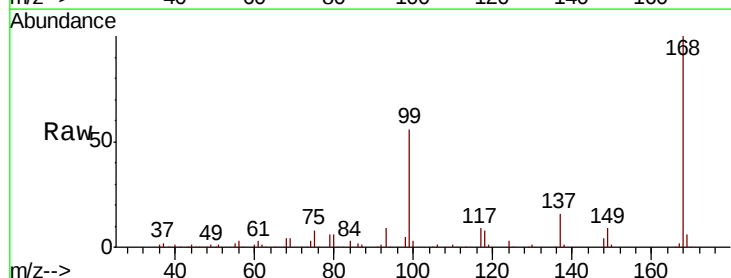
Instrument :
MSVOA_X
ClientSampleId :
TP-1-DEEP

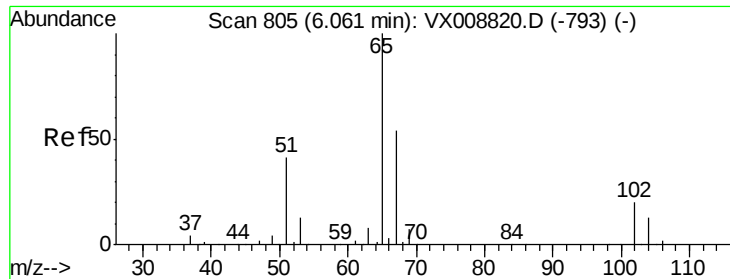
Tgt Ion: 49 Resp: 49
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#



#31
Cyclohexane
Concen: 0.967 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX008851.D
Acq: 11 Apr 2019 14:58

Tgt Ion: 56 Resp: 3937
Ion Ratio Lower Upper
56 100
69 155.2 22.6 33.8#
84 129.8 59.3 88.9#

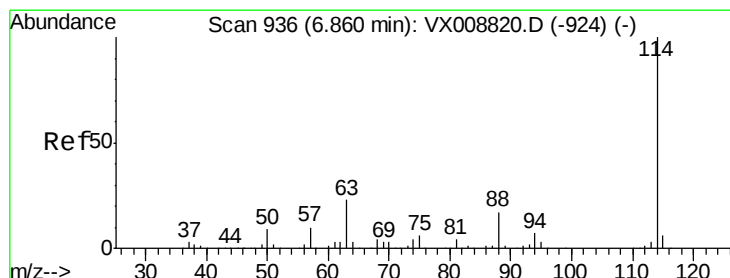
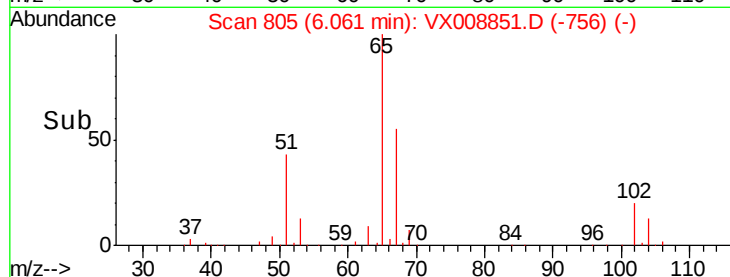
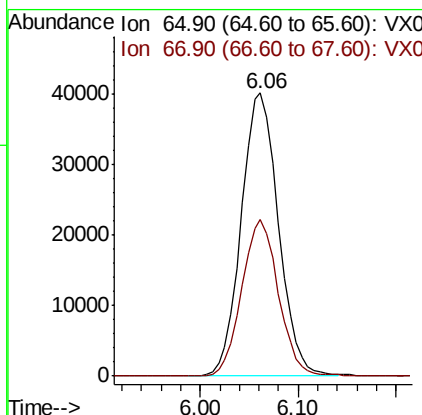
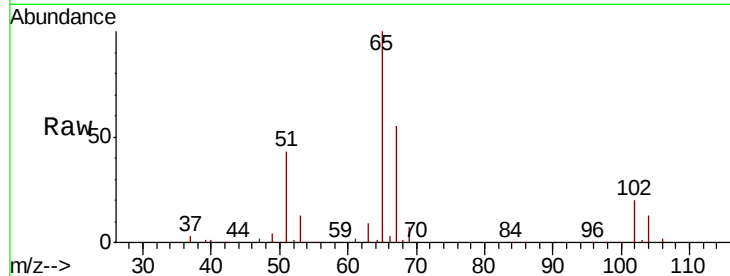




#33
 1,2-Dichloroethane-d4
 Concen: 44.931 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008851.D
 Acq: 11 Apr 2019 14:58

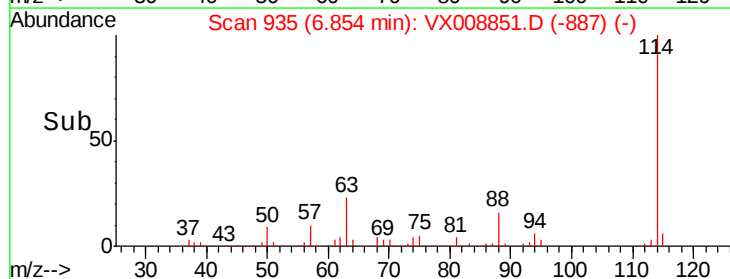
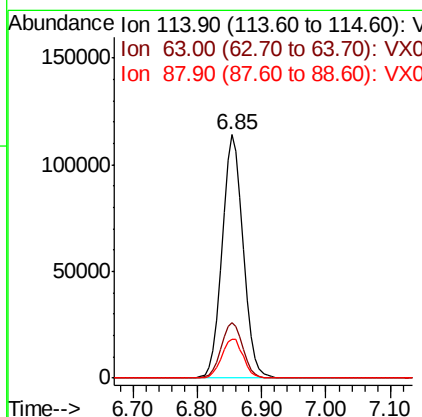
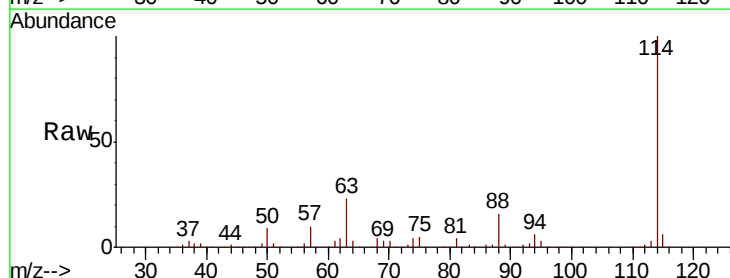
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-DEEP

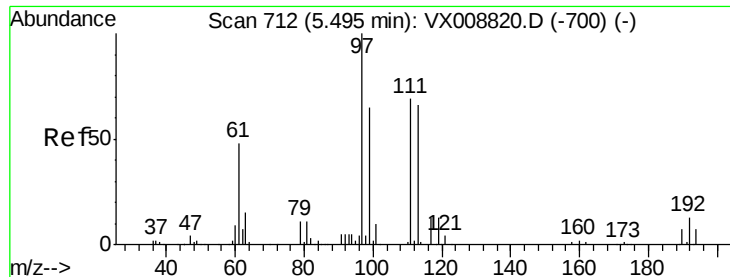
Tgt Ion: 65 Resp: 105848
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008851.D
 Acq: 11 Apr 2019 14:58

Tgt Ion: 114 Resp: 262993
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.2
 88 16.2 0.0 34.0

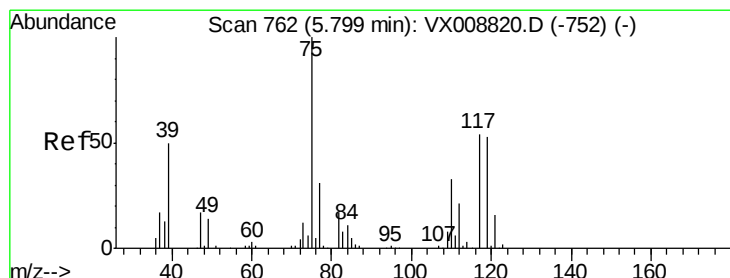
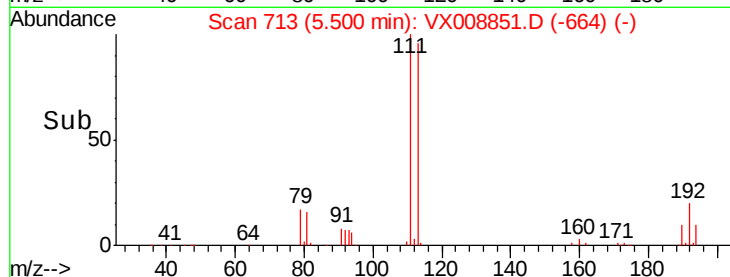
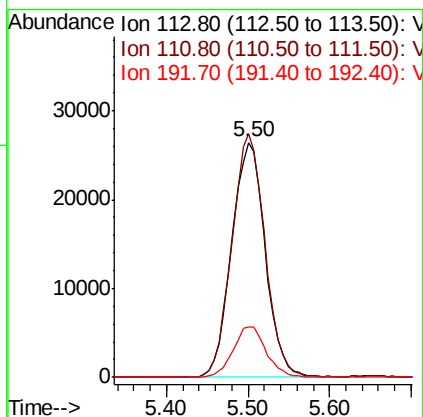
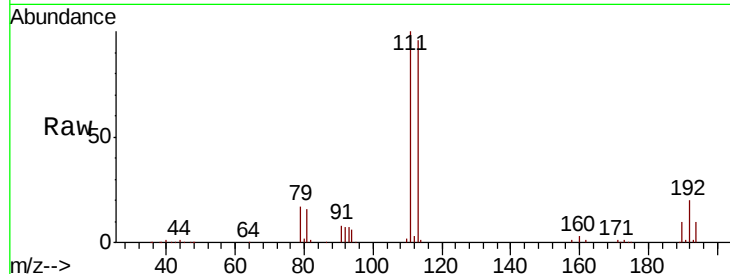




#35
 Dibromofluoromethane
 Concen: 44.728 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008851.D
 Acq: 11 Apr 2019 14:58

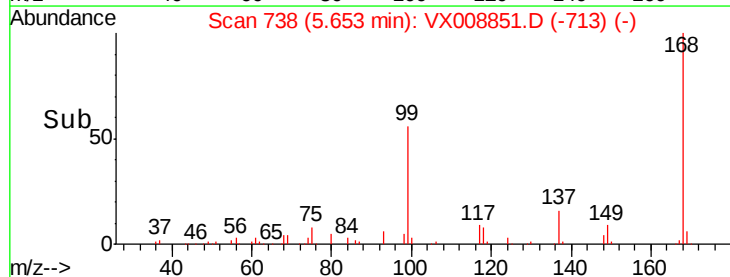
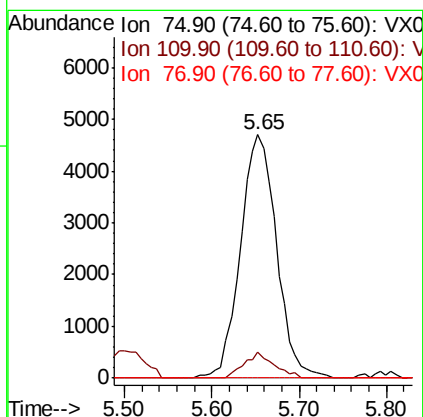
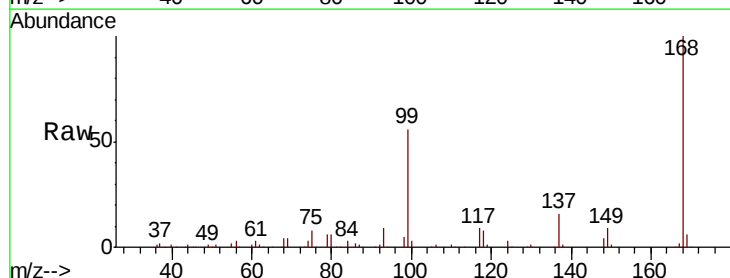
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-DEEP

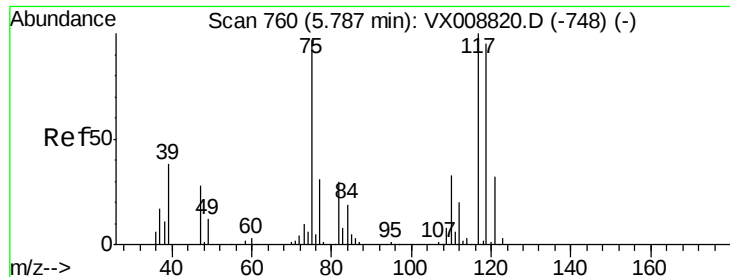
Tgt Ion:113 Resp: 75209
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.4 125.2
 192 21.1 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.692 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008851.D
 Acq: 11 Apr 2019 14:58

Tgt Ion: 75 Resp: 13489
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.4 49.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.466 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008851.D

Acq: 11 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

TP-1-DEEP

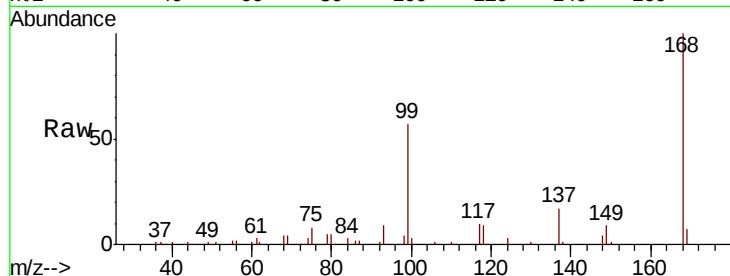
Tgt Ion:117 Resp: 15385

Ion Ratio Lower Upper

117 100

119 4.2 75.0 112.6#

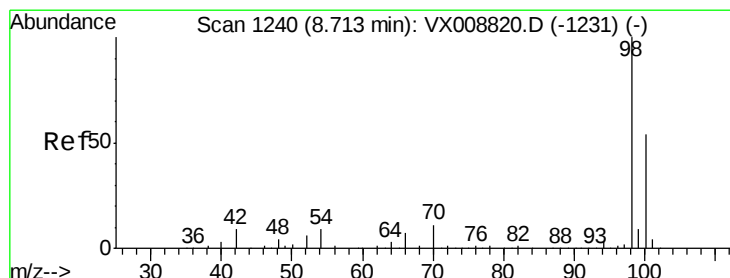
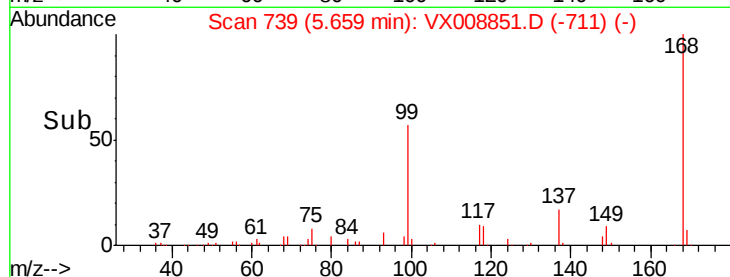
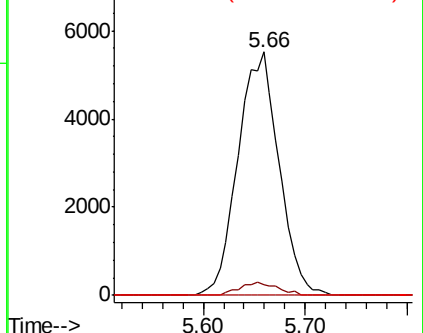
121 0.0 24.3 36.5#



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: 48.973 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008851.D

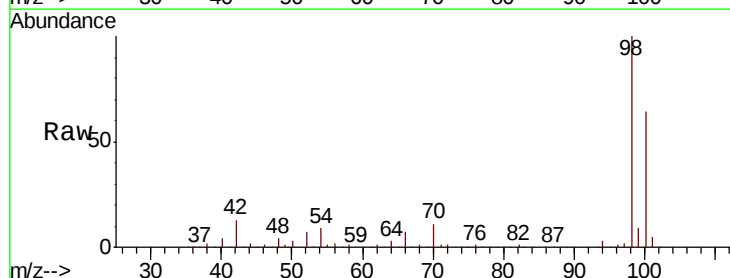
Acq: 11 Apr 2019 14:58

Tgt Ion: 98 Resp: 327885

Ion Ratio Lower Upper

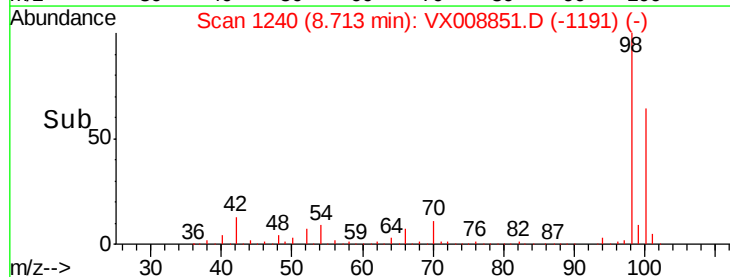
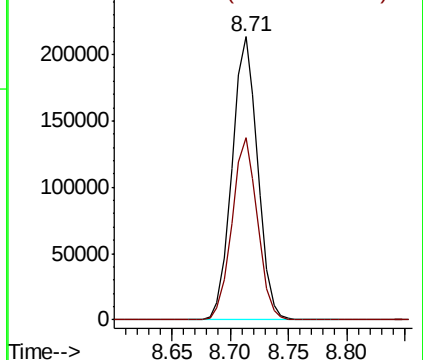
98 100

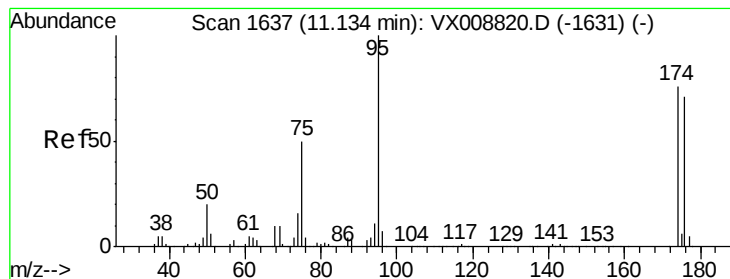
100 63.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 49.910 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX008851.D

Acq: 11 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

TP-1-DEEP

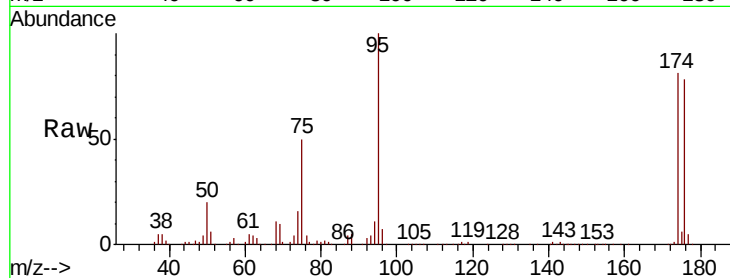
Tgt Ion: 95 Resp: 118498

Ion Ratio Lower Upper

95 100

174 78.7 0.0 151.8

176 76.4 0.0 145.8

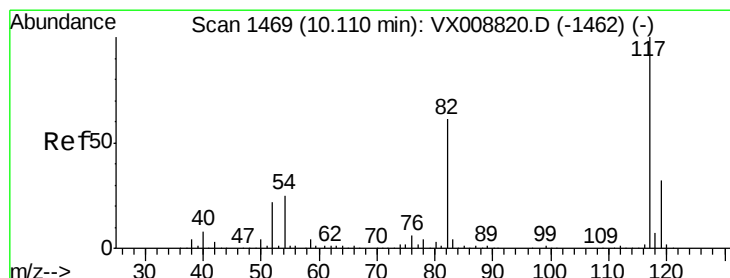
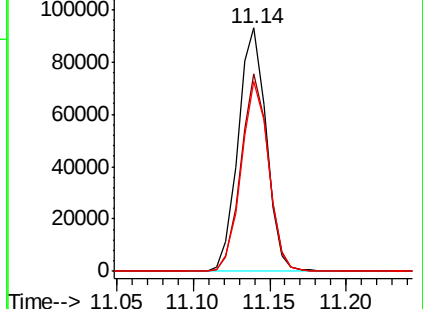
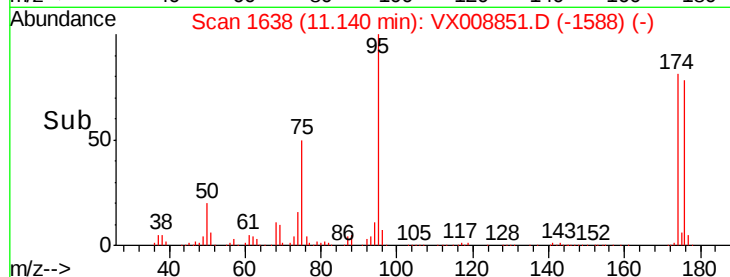


Abundance Ion 94.90 (94.60 to 95.60): VX008820.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX008820.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX008820.D (-1631) (-)

Time--> 11.05 11.10 11.15 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008851.D

Acq: 11 Apr 2019 14:58

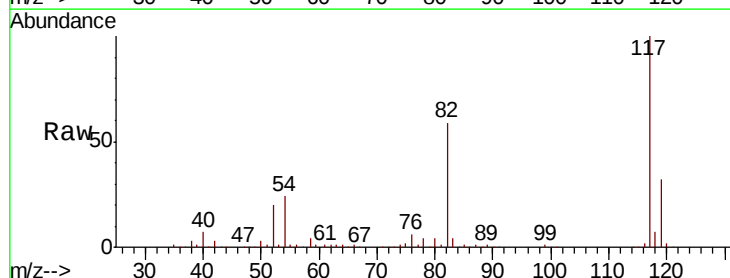
Tgt Ion: 117 Resp: 231020

Ion Ratio Lower Upper

117 100

82 59.1 49.6 74.4

119 32.2 25.0 37.4

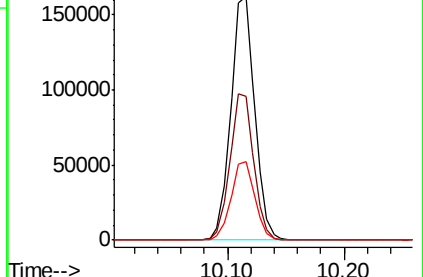
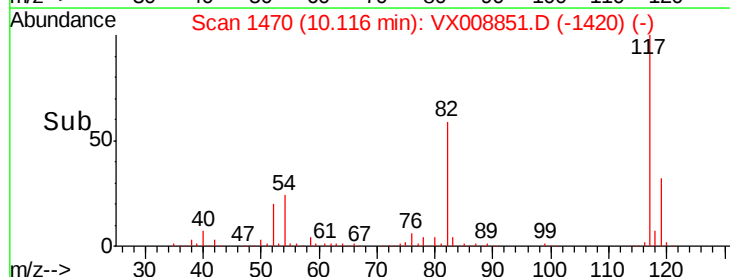


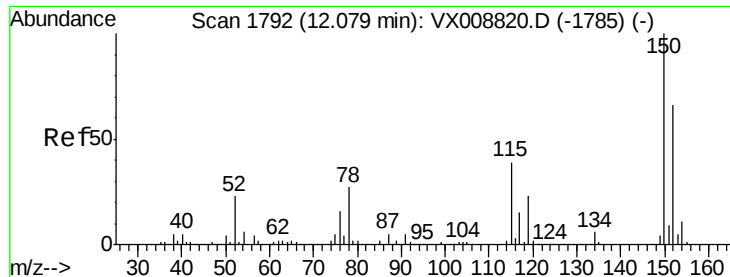
Abundance Ion 116.90 (116.60 to 117.60): VX008820.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008820.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008820.D (-1462) (-)

Time--> 10.10 10.15 10.20





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008851.D

Acq: 11 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

TP-1-DEEP

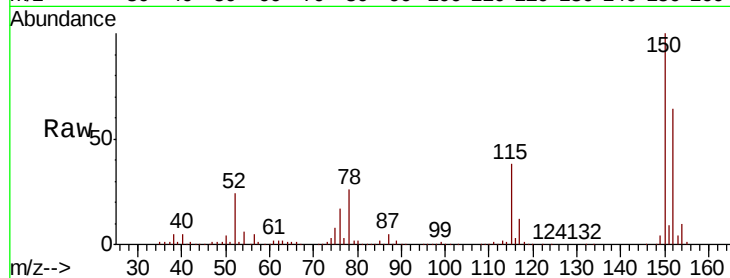
Tgt Ion:152 Resp: 112023

Ion Ratio Lower Upper

152 100

115 60.3 43.5 130.5

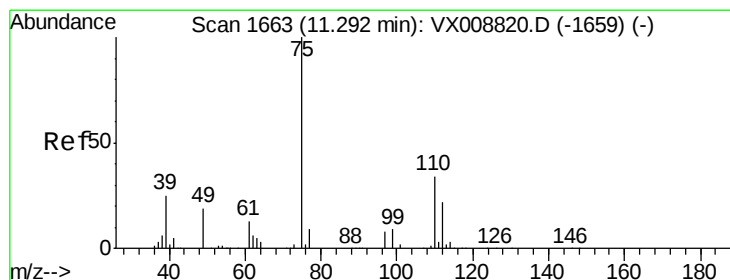
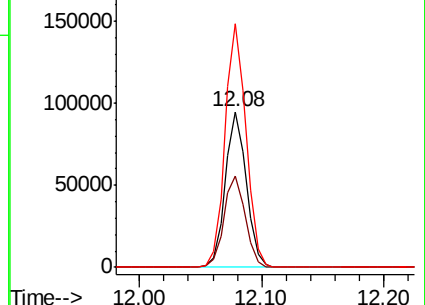
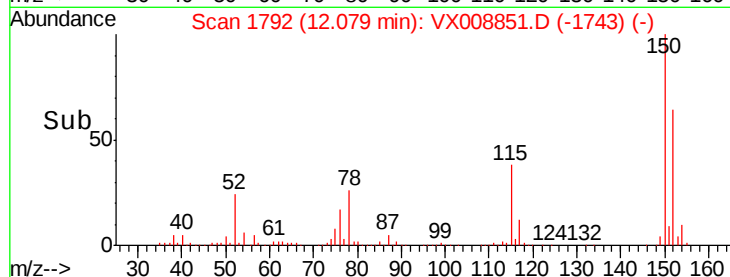
150 157.7 0.0 348.8



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: 19.714 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX008851.D

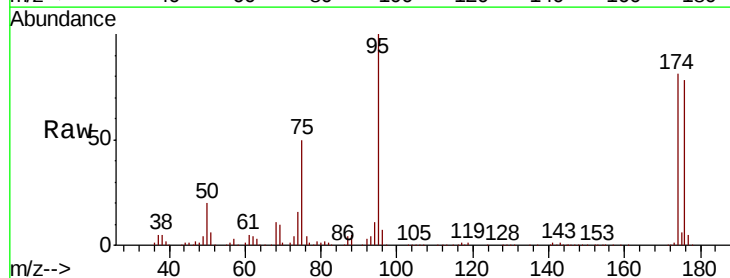
Acq: 11 Apr 2019 14:58

Tgt Ion: 75 Resp: 60667

Ion Ratio Lower Upper

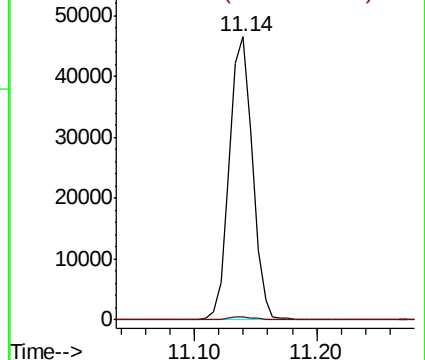
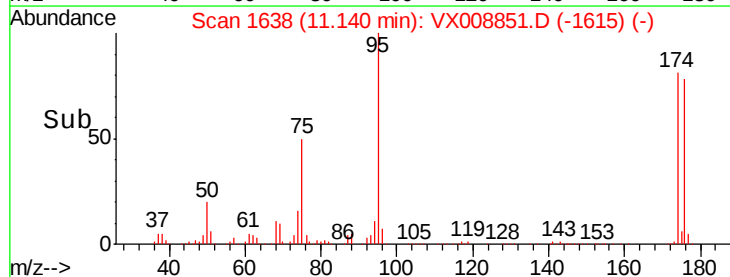
75 100

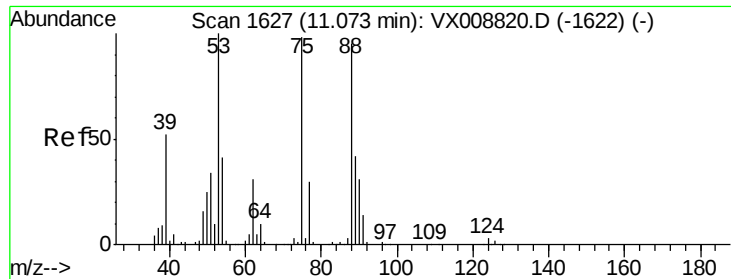
77 1.3 22.3 66.8#



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: 54.342 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX008851.D

Acq: 11 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

TP-1-DEEP

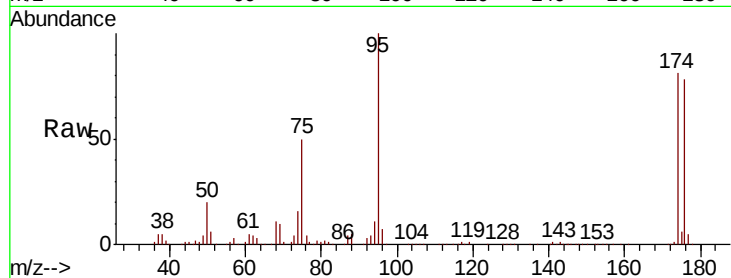
Tgt Ion: 75 Resp: 60667

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#



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

