

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101618\
 Data File : VX005374.D
 Acq On : 16 Oct 2018 17:47
 Operator : JC/MD
 Sample : J5538-02 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TKABCD

Quant Time: Oct 17 04:58:09 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	5.66	168	287041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	416668	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	363325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177814	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	161088	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
35) Dibromofluoromethane	5.50	113	128007	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	
50) Toluene-d8	8.71	98	483467	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	11.14	95	159697	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	

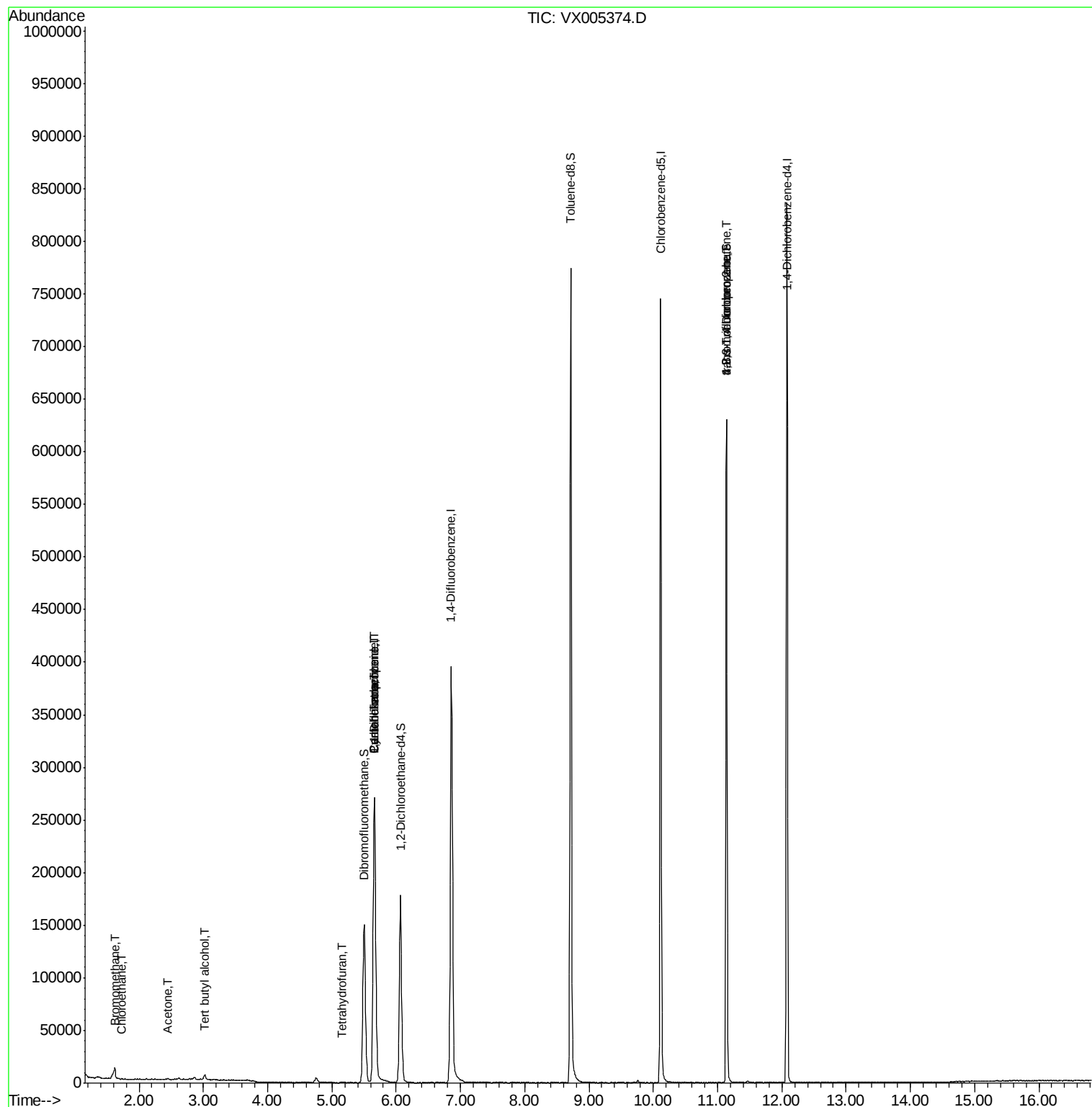
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	450	0.823	ug/l	85
6) Chloroethane	1.73	64	45	0.356	ug/l #	44
11) Tert butyl alcohol	3.03	59	3156	3.512	ug/l #	74
13) Acrolein	2.27	56	64	Below Cal	#	1
16) Acetone	2.44	43	1003	0.545	ug/l	91
20) Methylene Chloride	2.85	84	711	Below Cal	#	90
29) Tetrahydrofuran	5.16	42	414	0.241	ug/l #	48
31) Cyclohexane	5.67	56	4723	1.079	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18751	4.647	ug/l #	50
38) Carbon Tetrachloride	5.66	117	24989	6.163	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	78174	22.665	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	78174	68.868	ug/l #	10

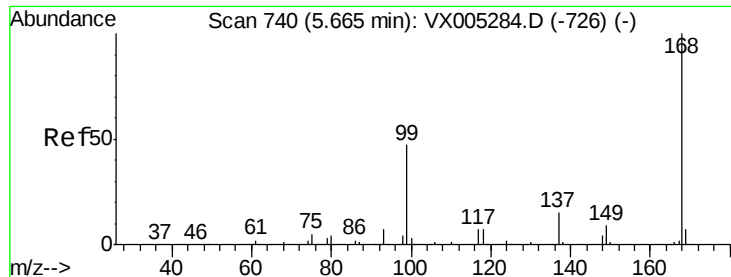
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005374.D

Acq: 16 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

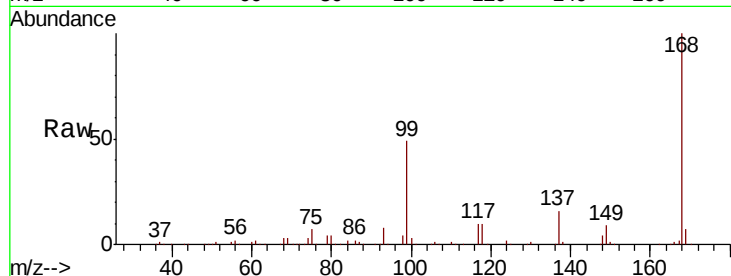
TKABCD

Tgt Ion:168 Resp: 287041

Ion Ratio Lower Upper

168 100

99 49.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

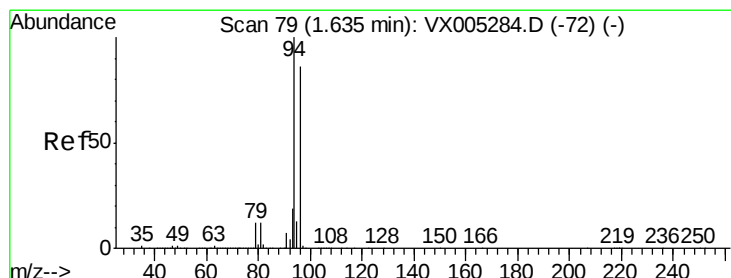
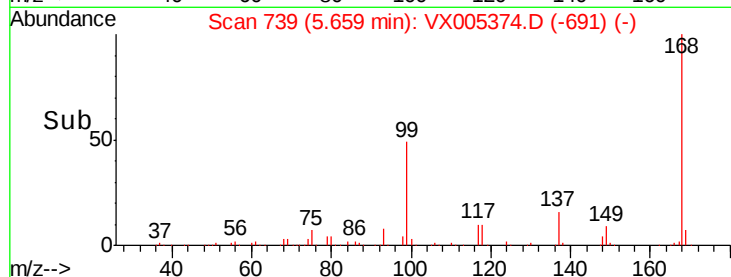
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.823 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005374.D

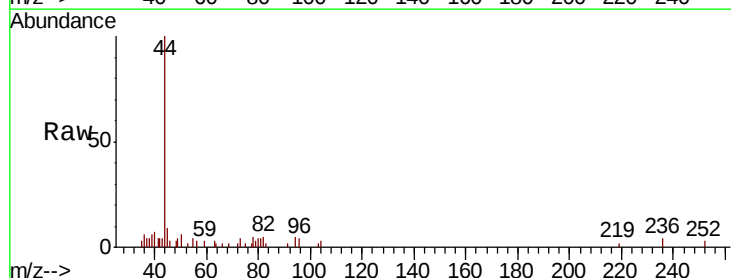
Acq: 16 Oct 2018 17:47

Tgt Ion: 94 Resp: 450

Ion Ratio Lower Upper

94 100

96 78.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

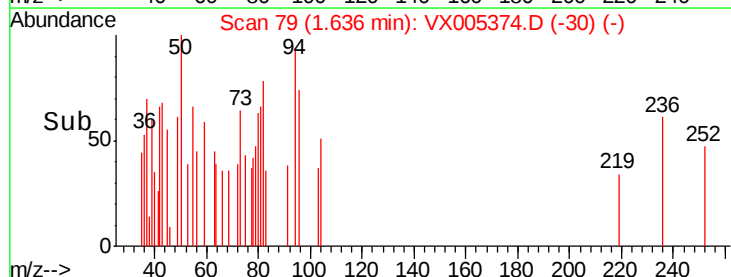
150

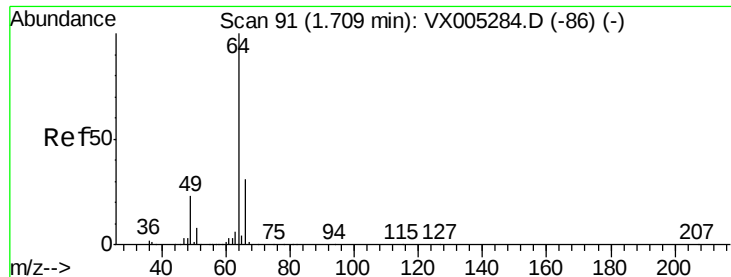
100

50

0

Time-->





#6

Chloroethane

Concen: 0.356 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.02 min

Lab File: VX005374.D

Acq: 16 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

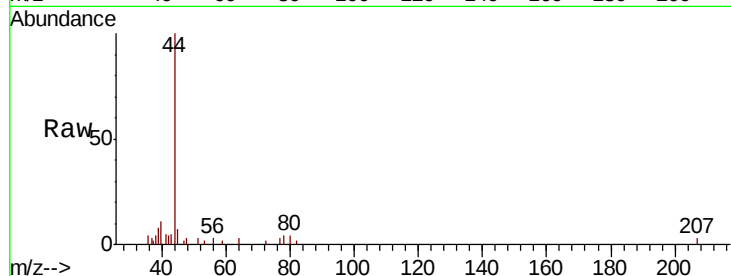
TKABCD

Tgt Ion: 64 Resp: 45

Ion Ratio Lower Upper

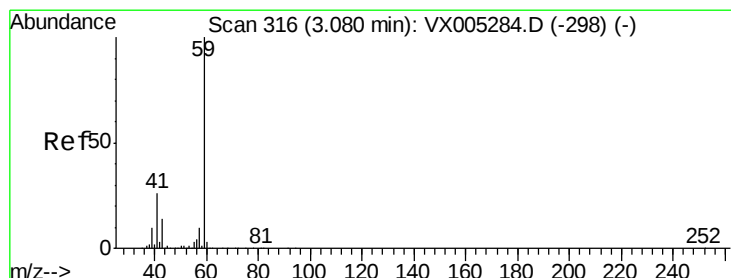
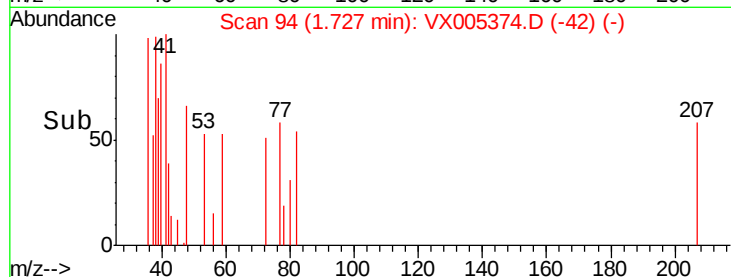
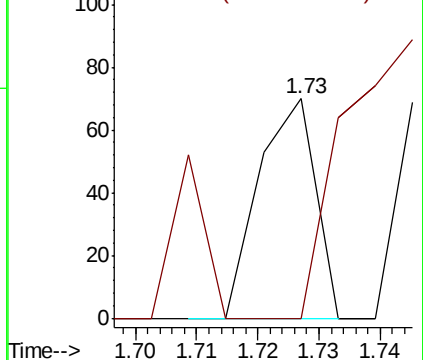
64 100

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



#11

Tert butyl alcohol

Concen: 3.512 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX005374.D

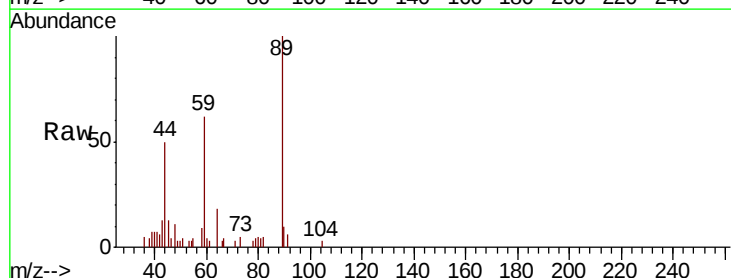
Acq: 16 Oct 2018 17:47

Tgt Ion: 59 Resp: 3156

Ion Ratio Lower Upper

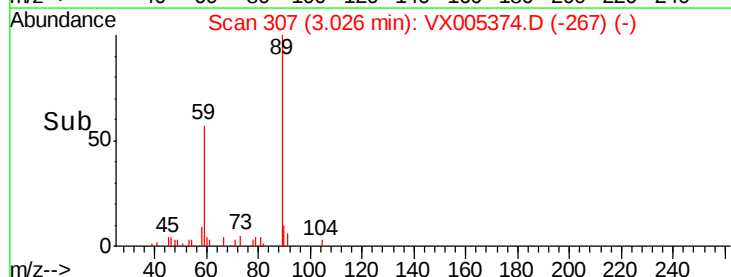
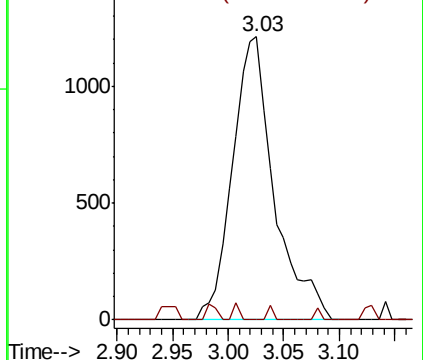
59 100

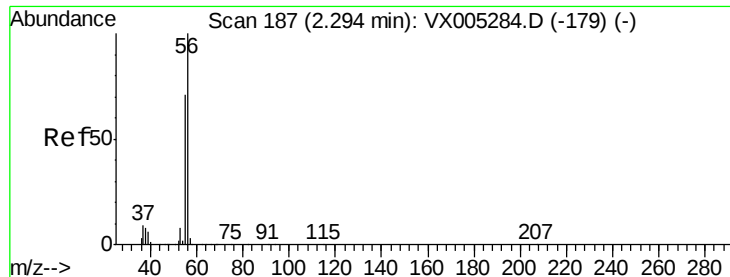
57 0.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX005374.D

Acq: 16 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

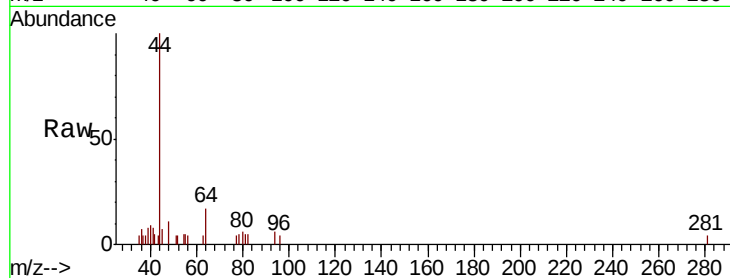
TKABCD

Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

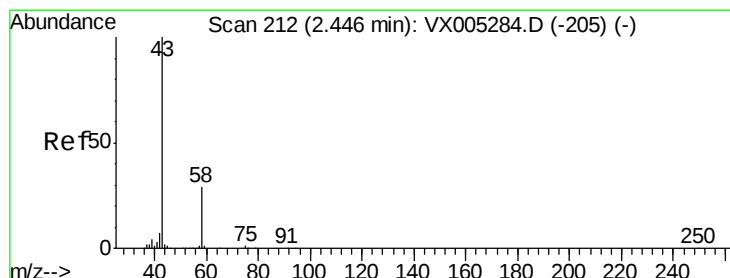
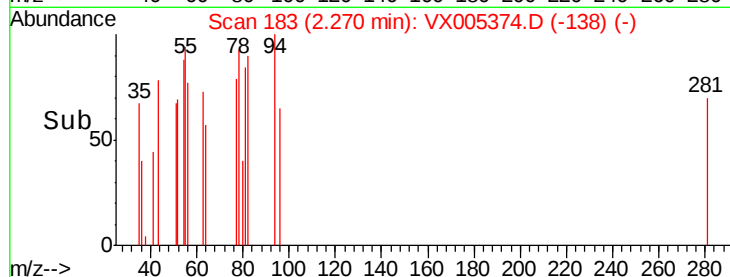
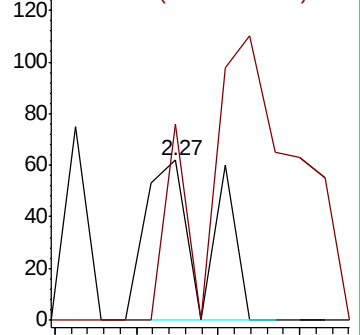
56 100

55 267.2 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.545 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005374.D

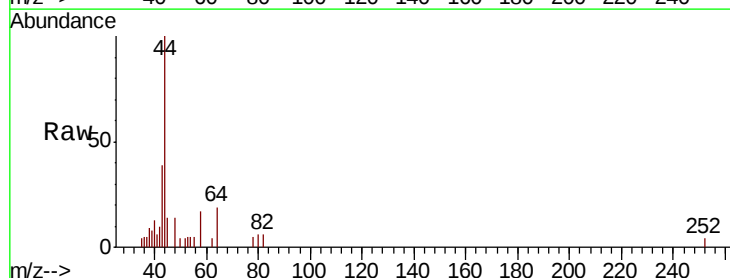
Acq: 16 Oct 2018 17:47

Tgt Ion: 43 Resp: 1003

Ion Ratio Lower Upper

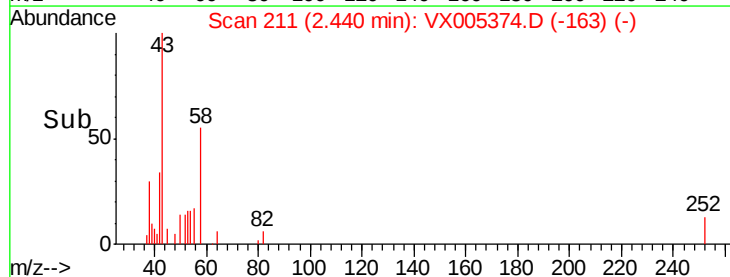
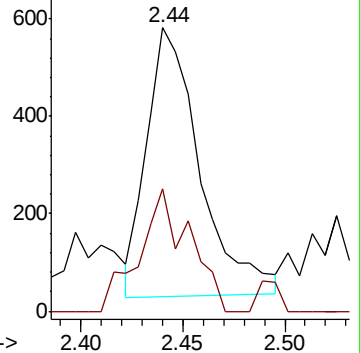
43 100

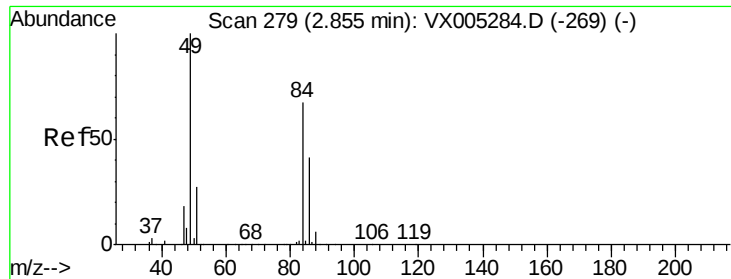
58 37.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005374.D

Acq: 16 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

TKABCD

Tgt Ion: 84 Resp: 711

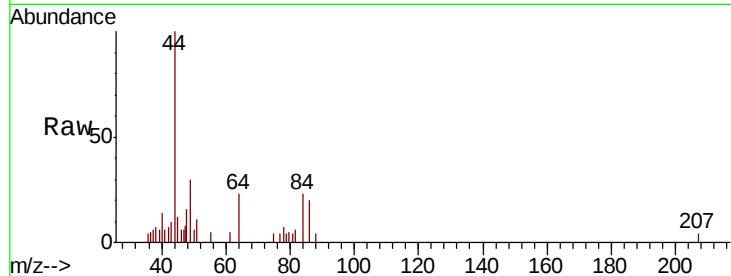
Ion Ratio Lower Upper

84 100

49 127.7 101.2 151.8

51 45.7 29.5 44.3#

86 84.5 52.3 78.5#

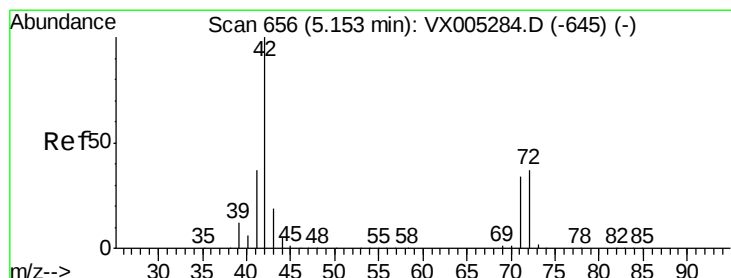
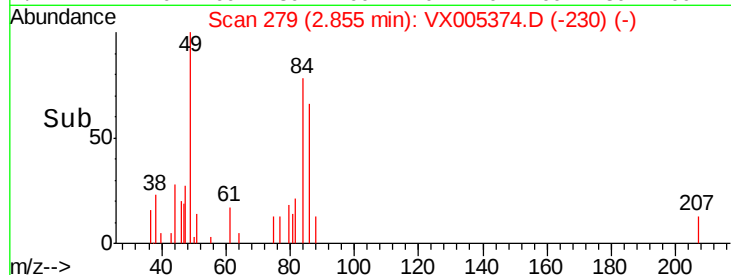
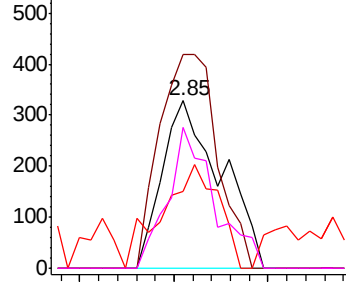


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 0.241 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005374.D

Acq: 16 Oct 2018 17:47

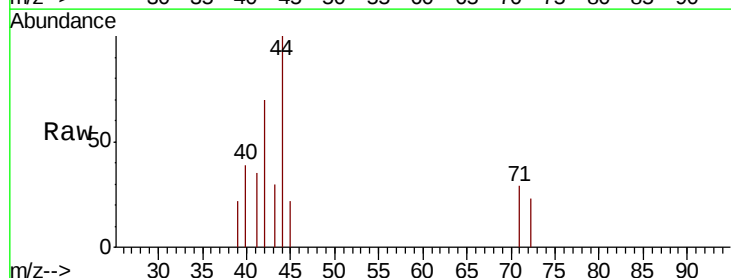
Tgt Ion: 42 Resp: 414

Ion Ratio Lower Upper

42 100

72 9.9 37.4 56.0#

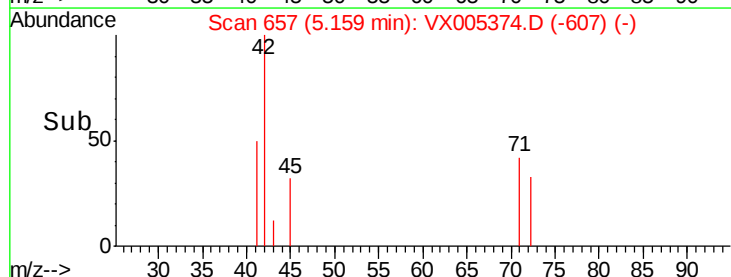
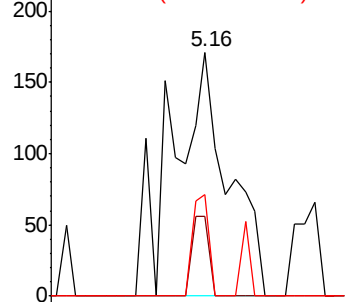
71 12.1 34.5 51.7#

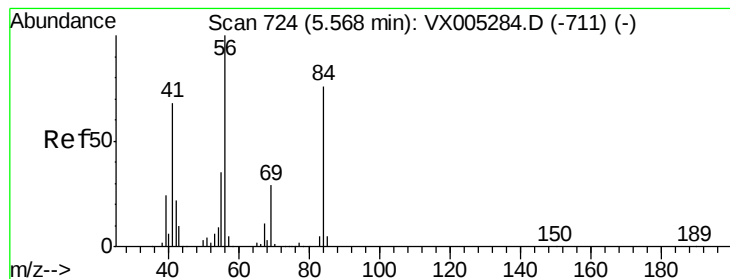


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.079 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.10 min

Lab File: VX005374.D

Acq: 16 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

TKABCD

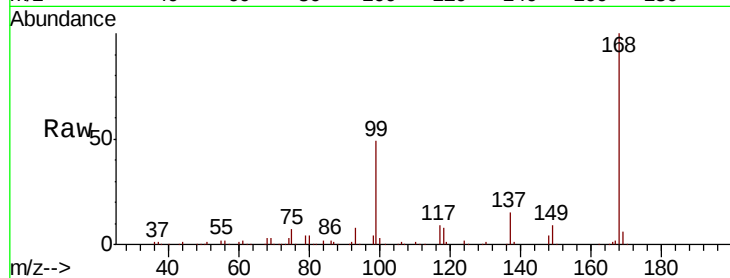
Tgt Ion: 56 Resp: 4723

Ion Ratio Lower Upper

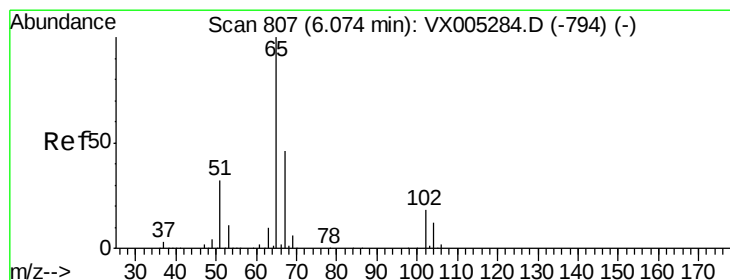
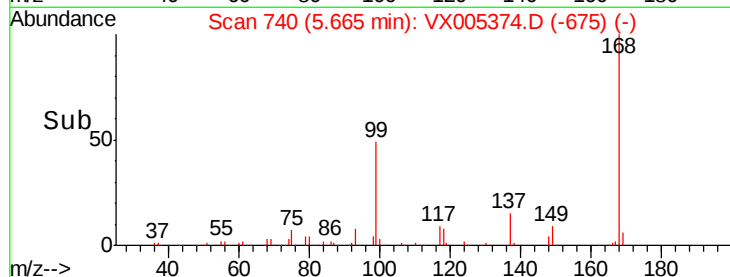
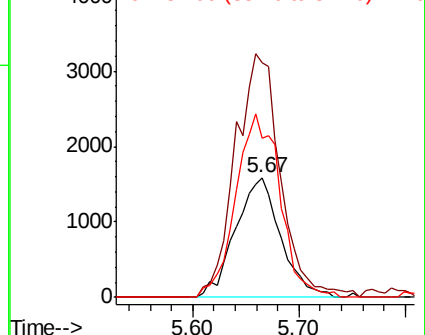
56 100

69 196.3 25.4 38.2#

84 133.2 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: 50.566 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005374.D

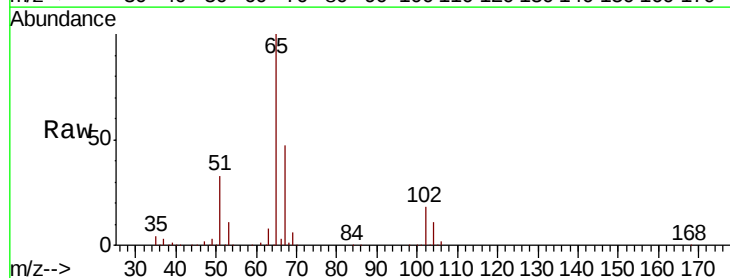
Acq: 16 Oct 2018 17:47

Tgt Ion: 65 Resp: 161088

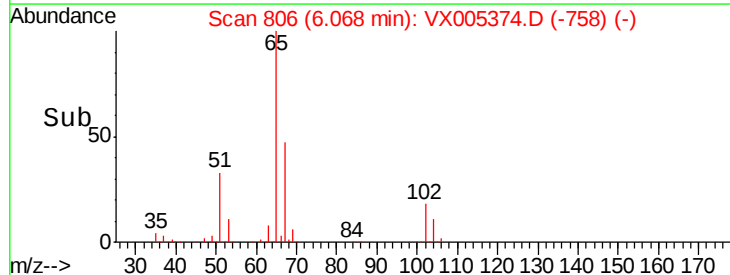
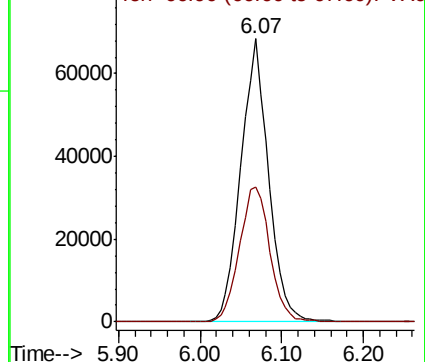
Ion Ratio Lower Upper

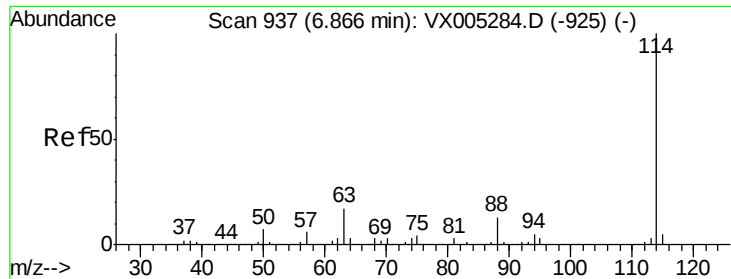
65 100

67 52.7 0.0 106.8



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

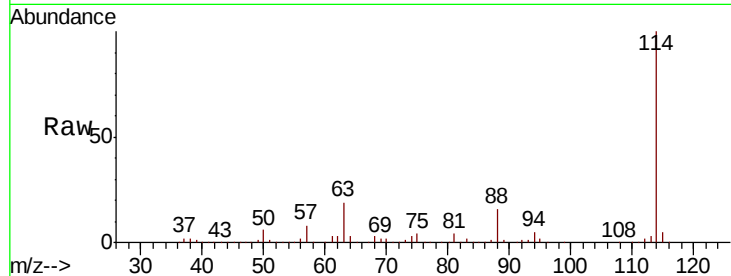




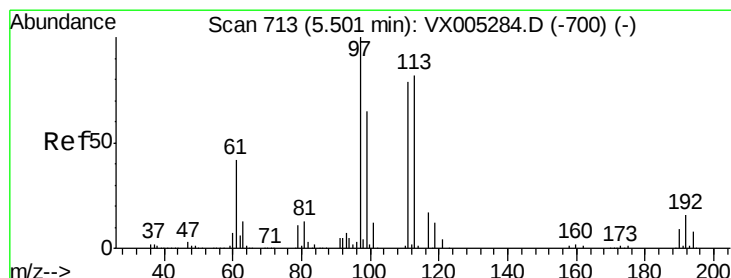
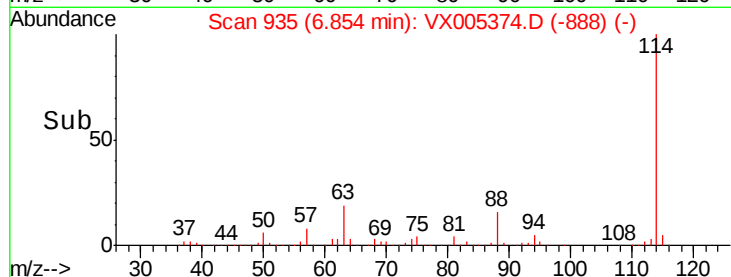
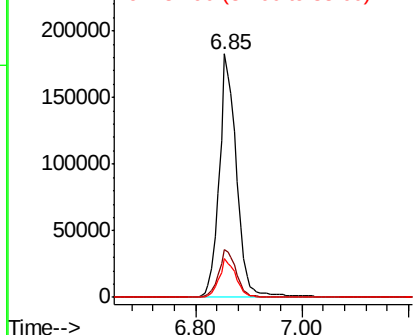
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX005374.D
 Acq: 16 Oct 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 TKABCD

Tgt Ion:114 Resp: 416668
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.9 0.0 30.4

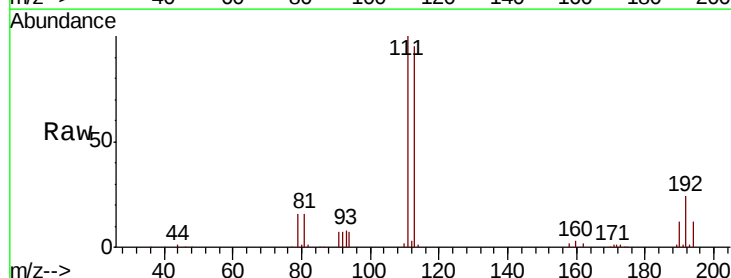


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

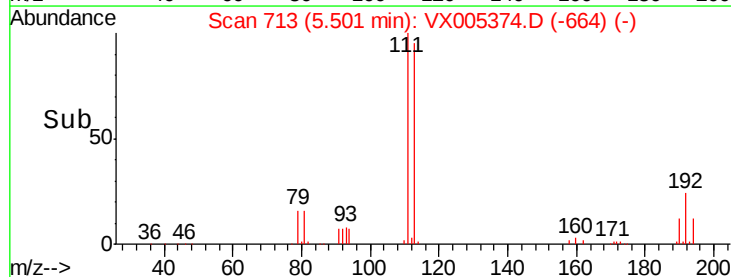
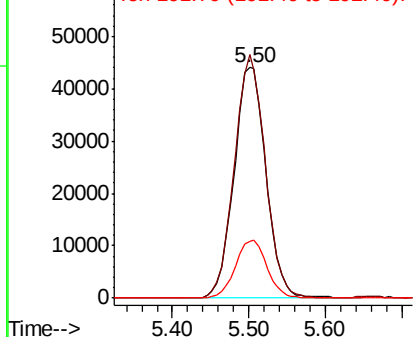


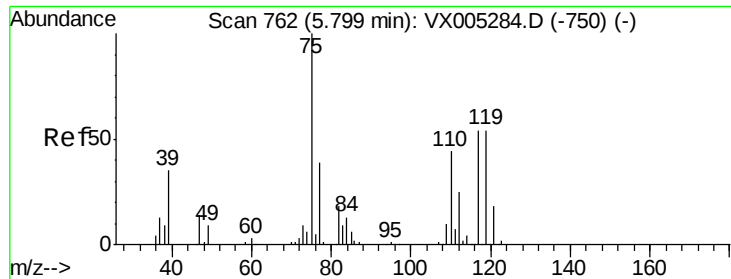
#35
 Dibromofluoromethane
 Concen: 46.384 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005374.D
 Acq: 16 Oct 2018 17:47

Tgt Ion:113 Resp: 128007
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.4 123.6
 192 24.8 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

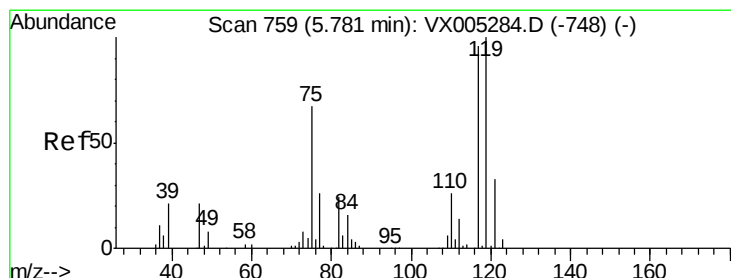
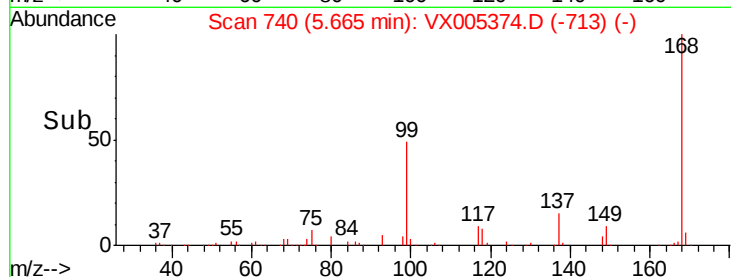
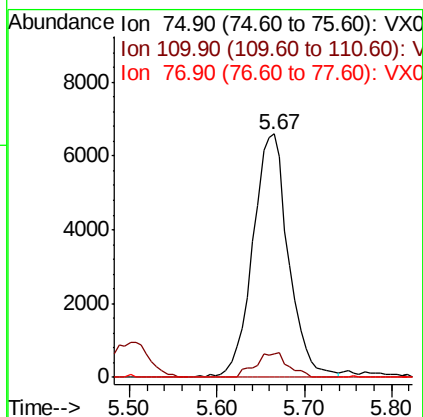
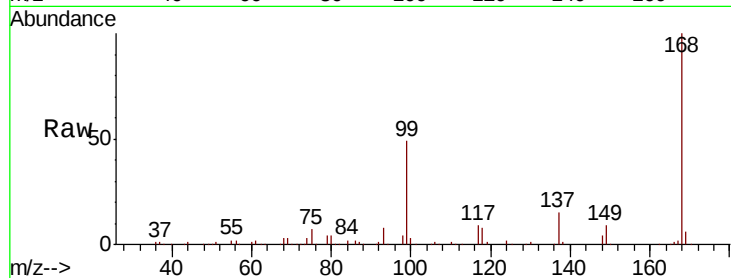




#36
 1,1-Dichloropropene
 Concen: 4.647 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005374.D
 Acq: 16 Oct 2018 17:47

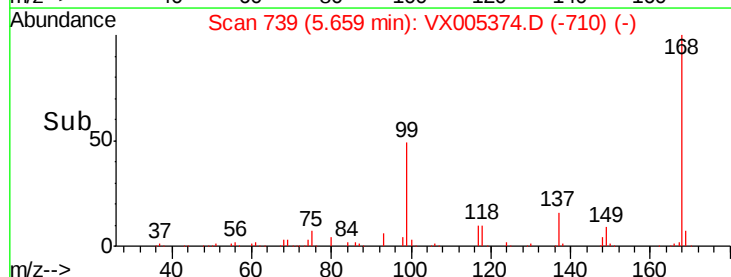
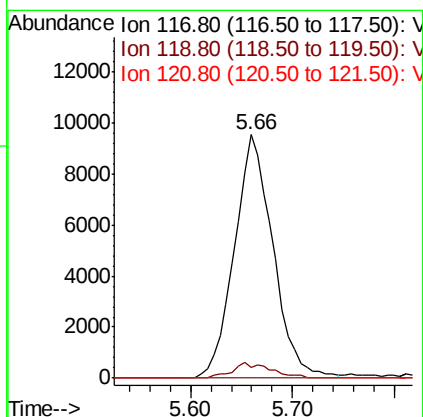
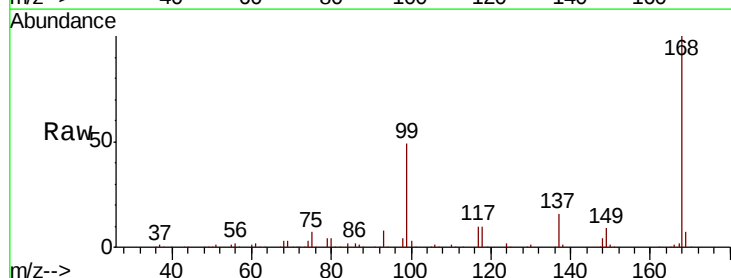
Instrument :
 MSVOA_X
 ClientSampleId :
 TKABCD

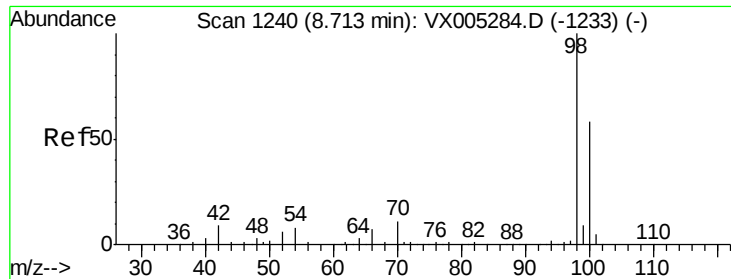
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.163 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005374.D
 Acq: 16 Oct 2018 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	78.8	118.2#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 51.030 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005374.D

Acq: 16 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

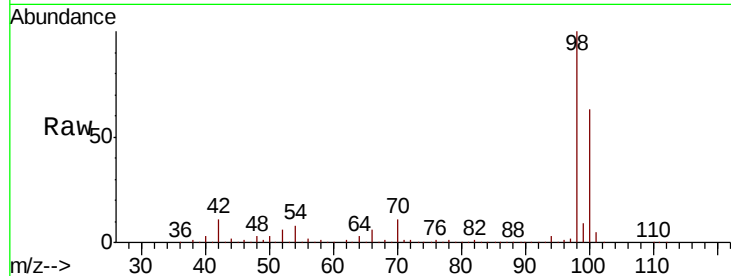
TKABCD

Tgt Ion: 98 Resp: 483467

Ion Ratio Lower Upper

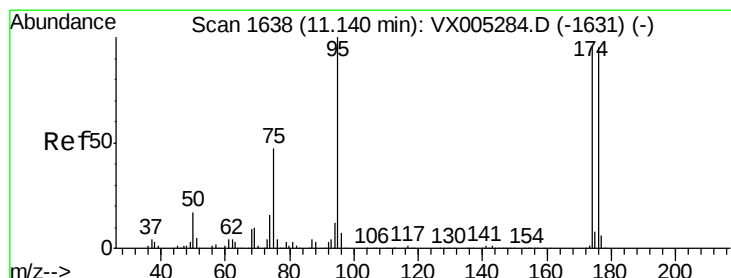
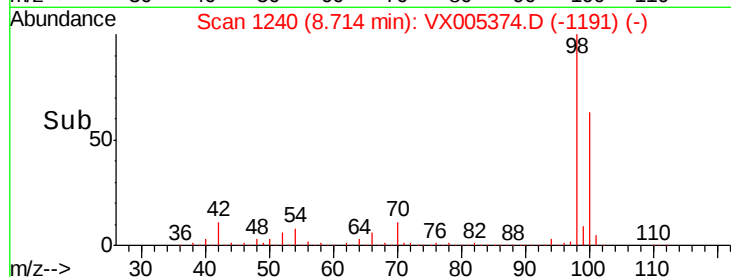
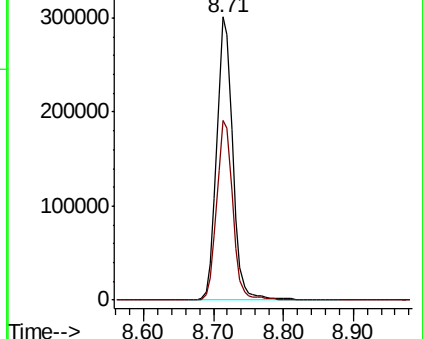
98 100

100 63.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 44.870 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005374.D

Acq: 16 Oct 2018 17:47

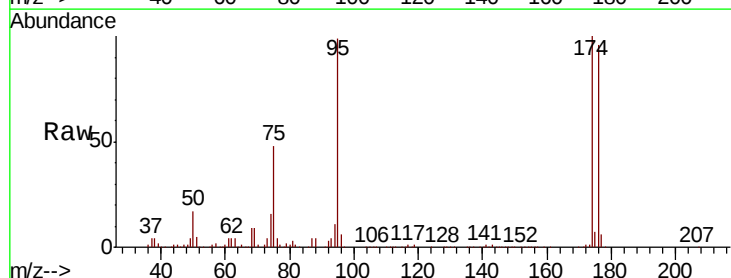
Tgt Ion: 95 Resp: 159697

Ion Ratio Lower Upper

95 100

174 96.5 0.0 185.2

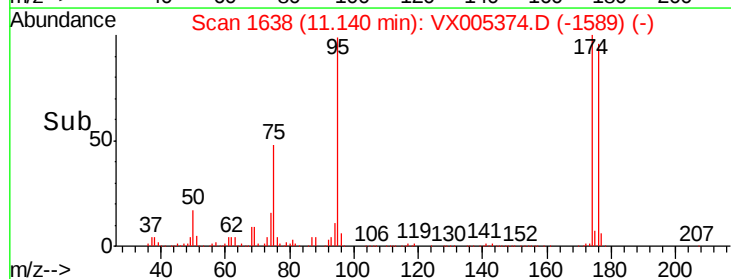
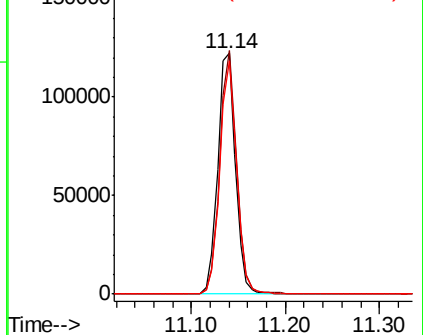
176 92.5 0.0 178.6

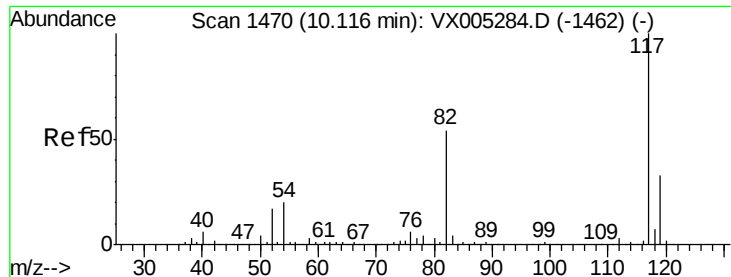


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

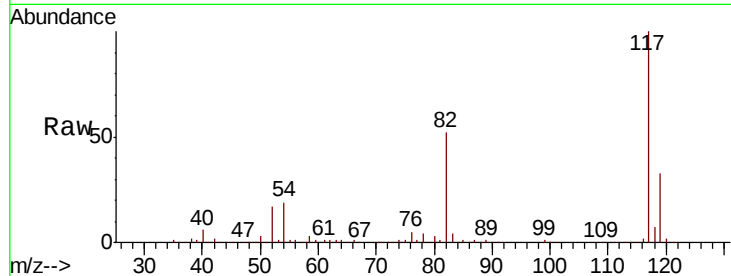




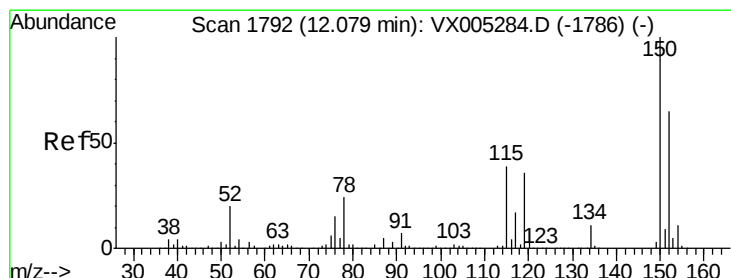
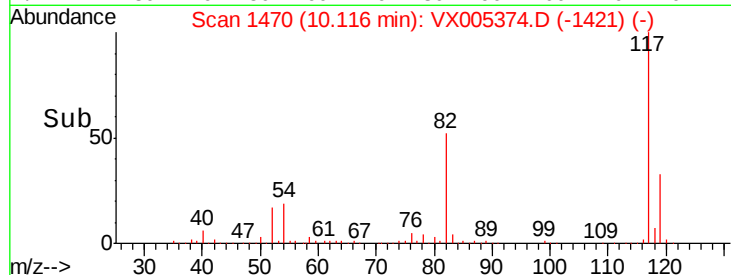
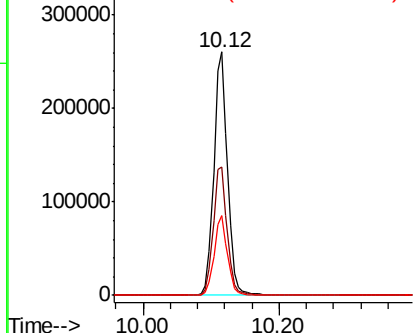
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005374.D
Acq: 16 Oct 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
TKABCD

Tgt Ion:117 Resp: 363325
Ion Ratio Lower Upper
117 100
82 52.5 47.8 71.6
119 32.5 29.3 43.9

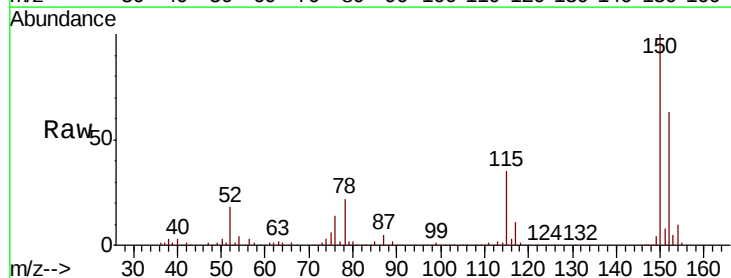


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

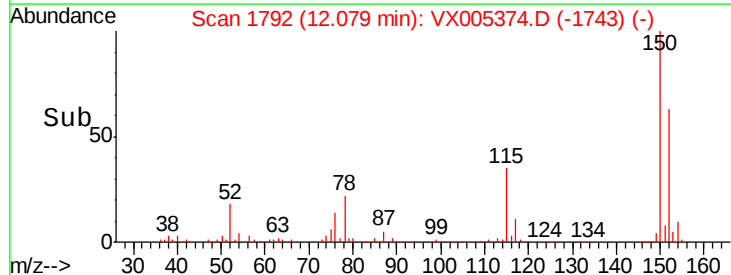
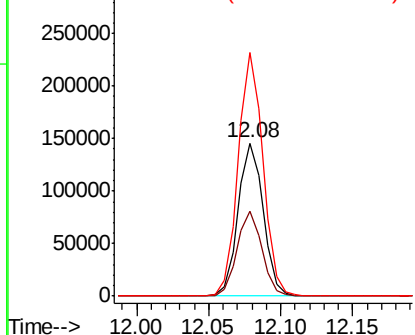


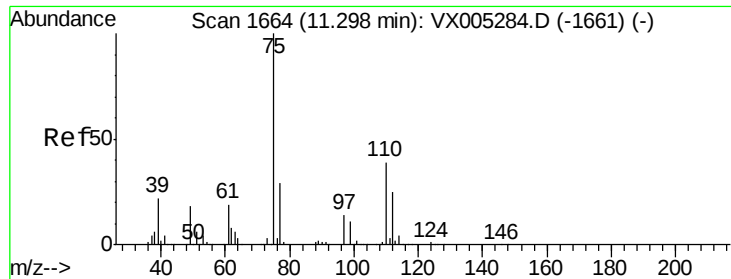
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005374.D
Acq: 16 Oct 2018 17:47

Tgt Ion:152 Resp: 177814
Ion Ratio Lower Upper
152 100
115 54.8 39.0 117.0
150 156.6 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: 22.665 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005374.D

Acq: 16 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

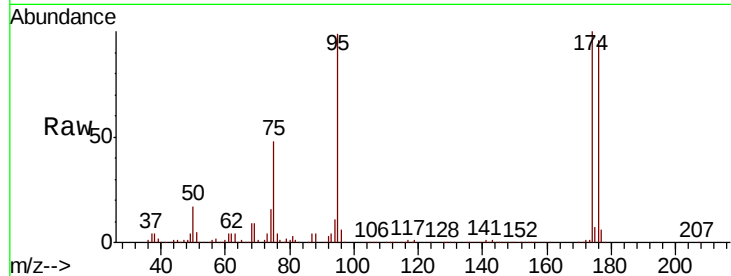
TKABCD

Tgt Ion: 75 Resp: 78174

Ion Ratio Lower Upper

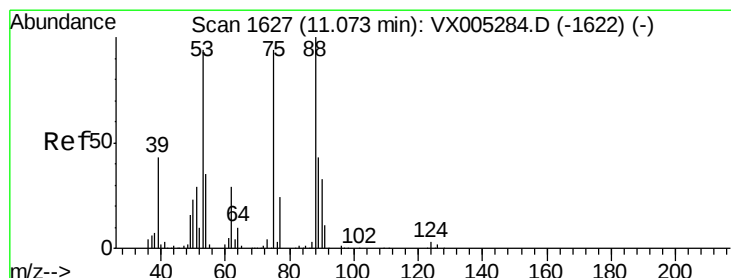
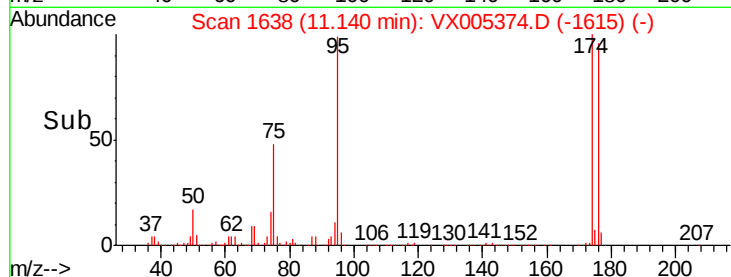
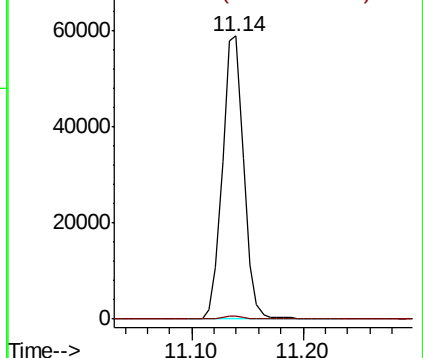
75 100

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: 68.868 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005374.D

Acq: 16 Oct 2018 17:47

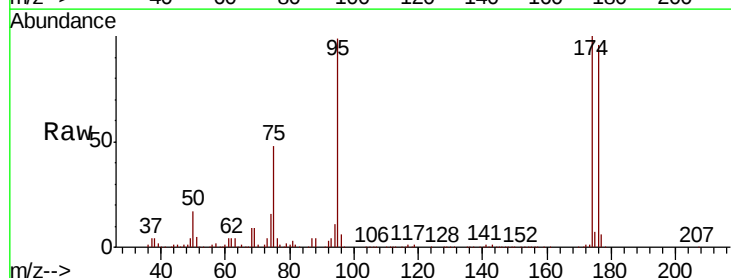
Tgt Ion: 75 Resp: 78174

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

