

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101618\
 Data File : VX005373.D
 Acq On : 16 Oct 2018 17:17
 Operator : JC/MD
 Sample : J5546-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-20A

Quant Time: Oct 17 04:58:00 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	284117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400350	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	356770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174317	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	162953	51.68	ug/l	-0.01
Spiked Amount			Recovery	=	103.36%	
35) Dibromofluoromethane	5.51	113	133641	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	8.71	98	475125	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	11.14	95	156689	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	

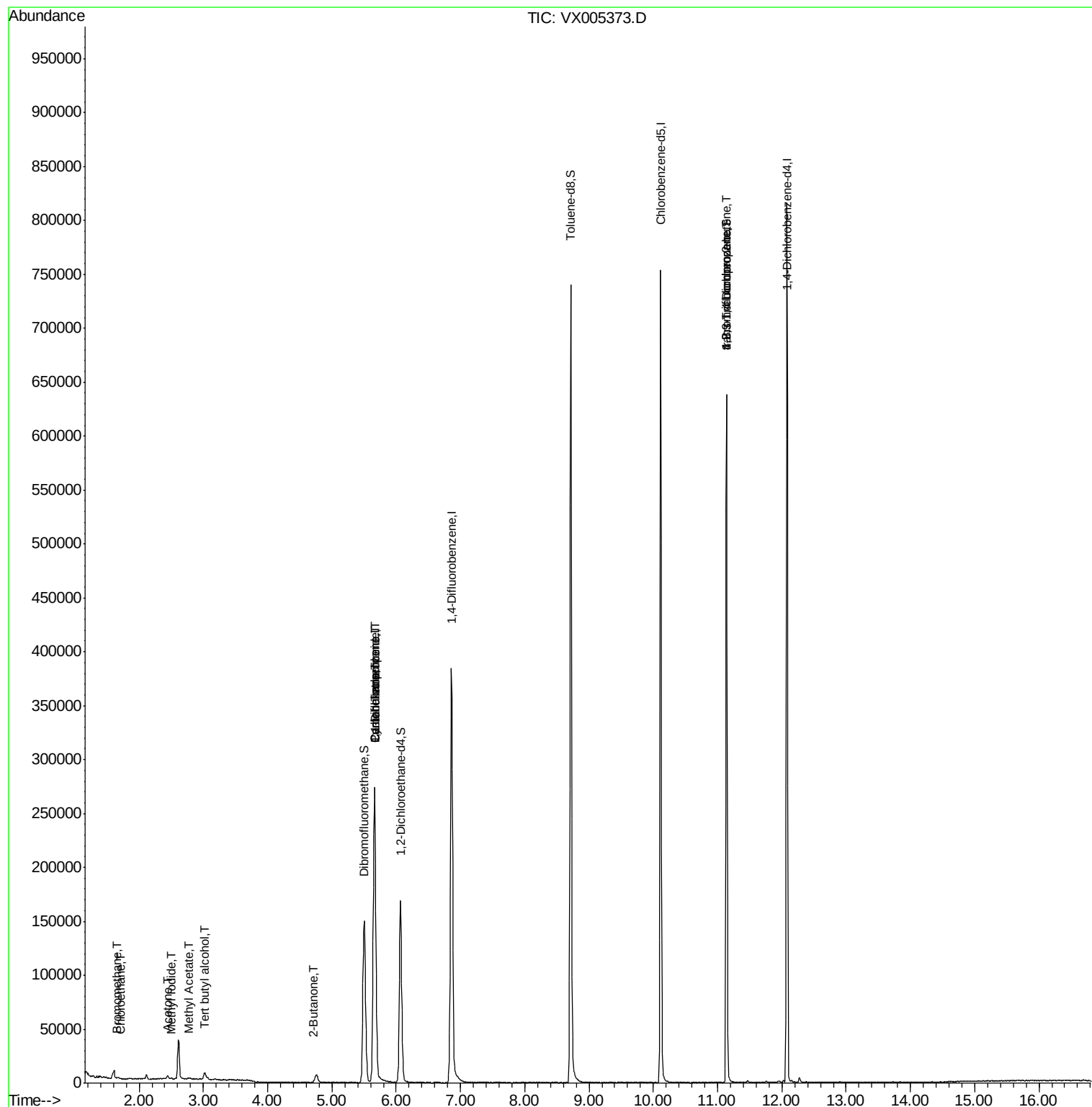
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	243	0.715	ug/l #	65
6) Chloroethane	1.70	64	27	0.347	ug/l #	44
10) Methyl Iodide	2.51	142	92	2.521	ug/l #	41
11) Tert butyl alcohol	3.01	59	5401	6.072	ug/l #	74
13) Acrolein	2.29	56	103	Below Cal	#	1
16) Acetone	2.45	43	3128	1.716	ug/l	97
18) Methyl Acetate	2.78	43	1417	0.273	ug/l	91
20) Methylene Chloride	2.86	84	49	Below Cal	#	18
25) 2-Butanone	4.70	43	574	0.215	ug/l #	71
31) Cyclohexane	5.67	56	4843	1.117	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19365	4.994	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24980	6.412	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	75995	22.475	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	75995	68.291	ug/l #	10

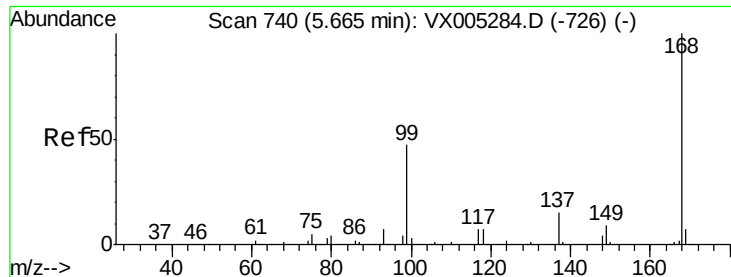
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX101618\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005373.D

Acq: 16 Oct 2018 17:17

Instrument :

MSVOA_X

ClientSampled :

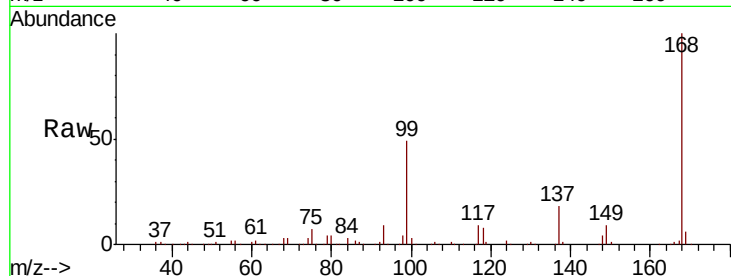
MH-20A

Tgt Ion: 168 Resp: 284117

Ion Ratio Lower Upper

168 100

99 49.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VX005284.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX005284.D (-726) (-)

5.67

100000

80000

60000

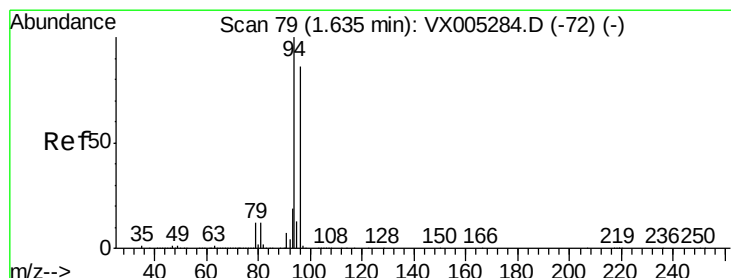
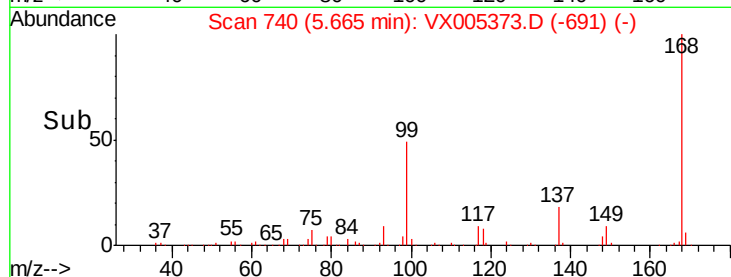
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.715 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX005373.D

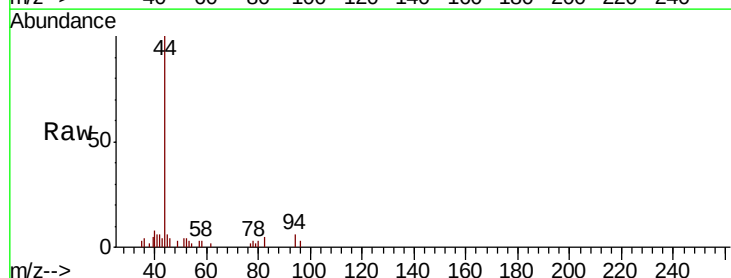
Acq: 16 Oct 2018 17:17

Tgt Ion: 94 Resp: 243

Ion Ratio Lower Upper

94 100

96 59.3 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX005284.D (-72) (-)

Ion 95.90 (95.60 to 96.60): VX005284.D (-72) (-)

1.66

150

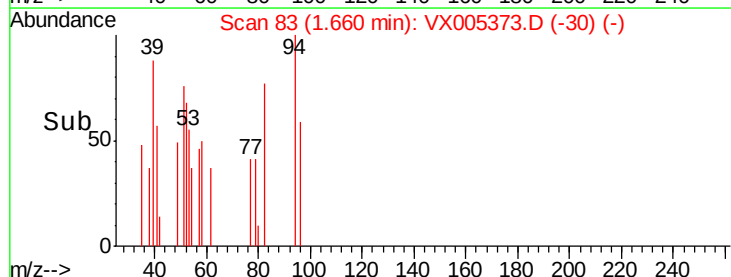
100

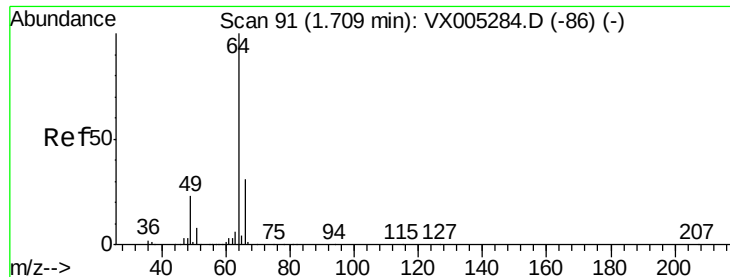
50

0

Time-->

1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.347 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005373.D

Acq: 16 Oct 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

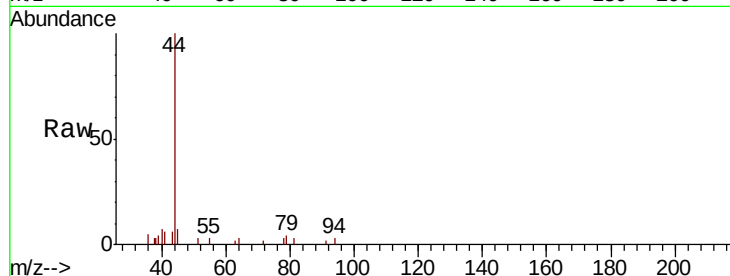
MH-20A

Tgt Ion: 64 Resp: 27

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

1.70

60

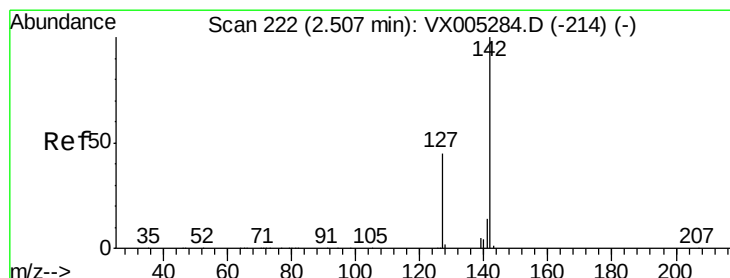
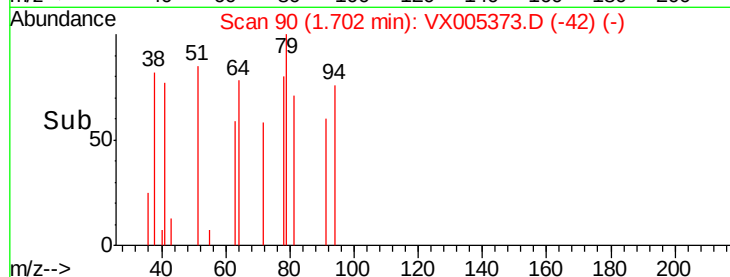
40

20

0

1.68 1.69 1.70 1.71 1.72

Time-->



#10

Methyl Iodide

Concen: 2.521 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005373.D

Acq: 16 Oct 2018 17:17

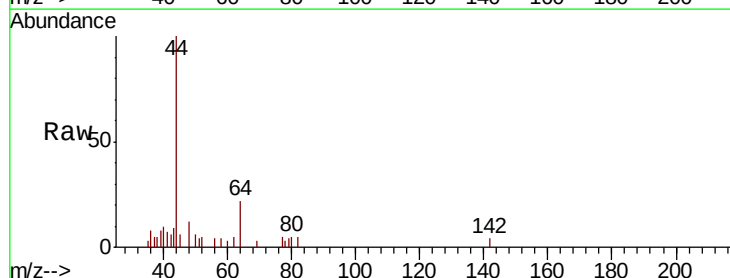
Tgt Ion: 142 Resp: 92

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

2.51

100

80

60

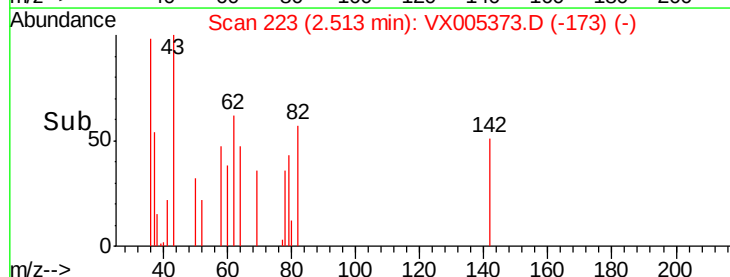
40

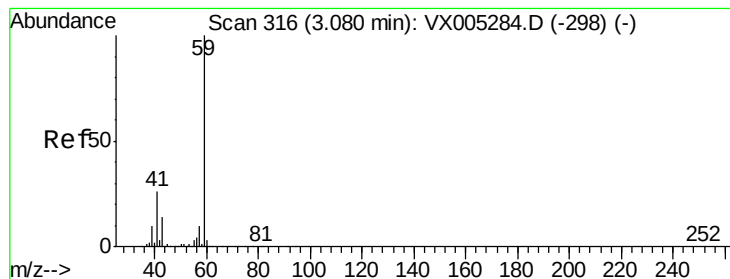
20

0

2.48 2.50 2.52 2.54

Time-->



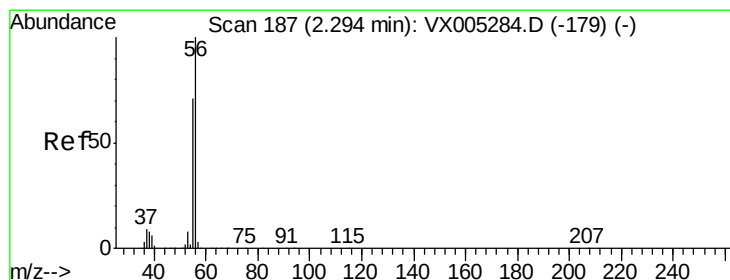
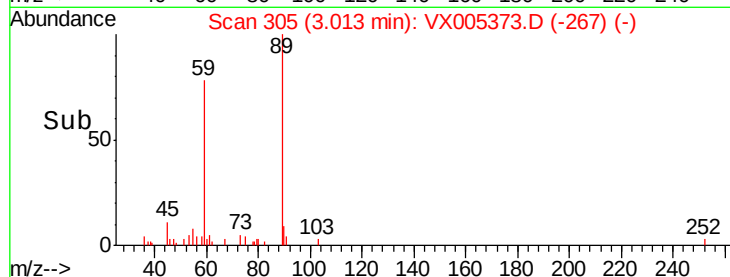
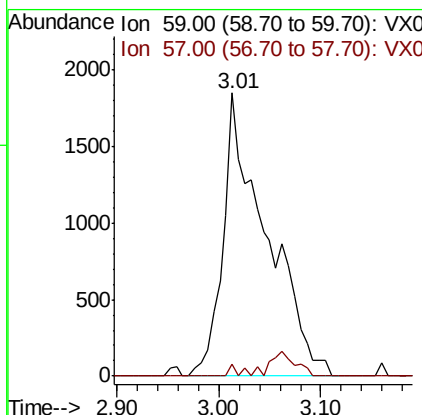
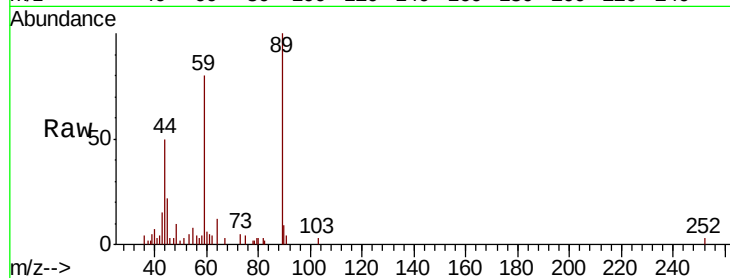


#11

Tert butyl alcohol
 Concen: 6.072 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.07 min
 Lab File: VX005373.D
 Acq: 16 Oct 2018 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-20A

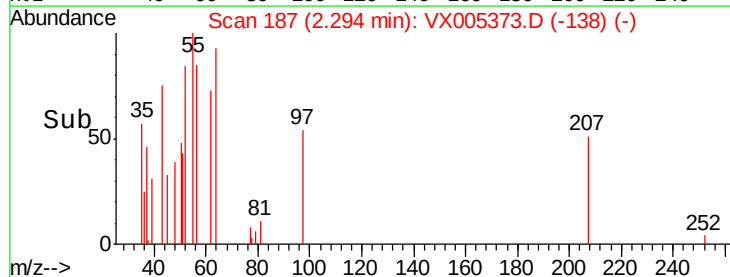
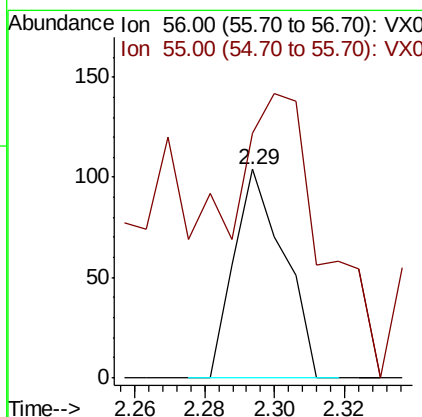
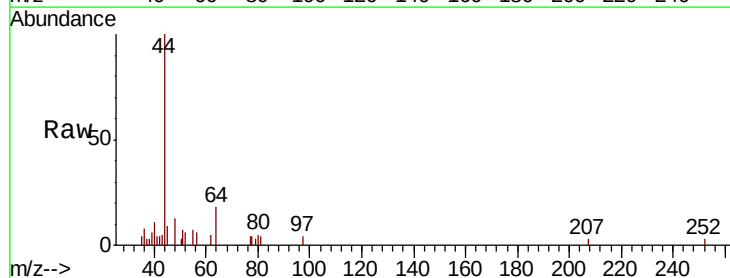
Tgt Ion: 59 Resp: 5401
 Ion Ratio Lower Upper
 59 100
 57 0.5 8.2 12.4#

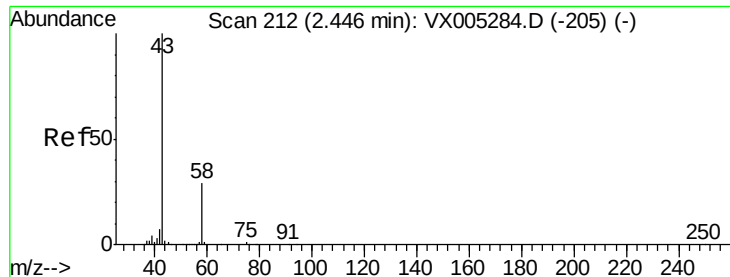


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX005373.D
 Acq: 16 Oct 2018 17:17

Tgt Ion: 56 Resp: 103
 Ion Ratio Lower Upper
 56 100
 55 202.9 54.7 82.1#





#16

Acetone

Concen: 1.716 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005373.D

Acq: 16 Oct 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

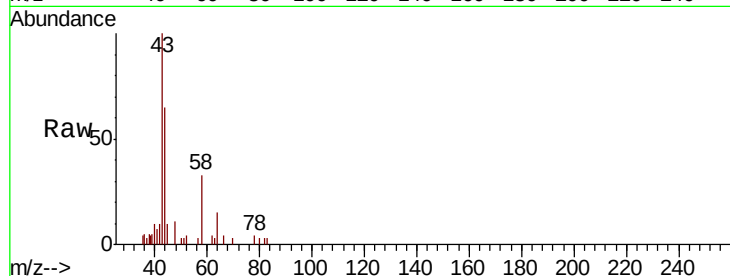
MH-20A

Tgt Ion: 43 Resp: 3128

Ion Ratio Lower Upper

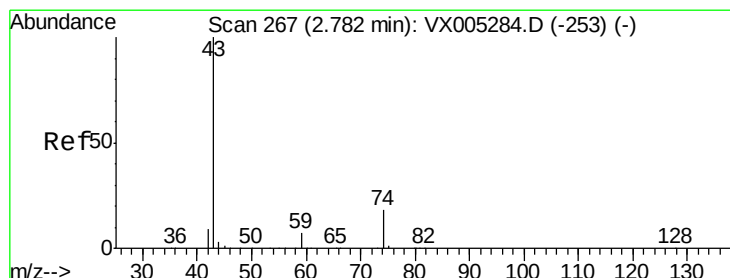
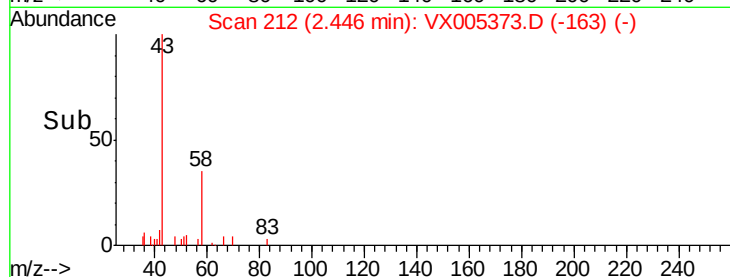
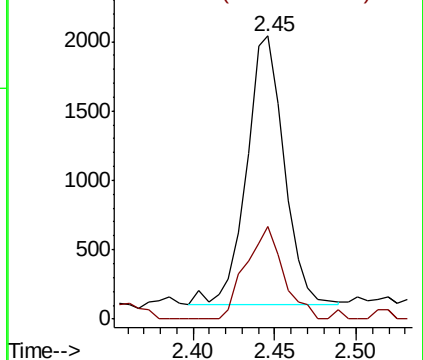
43 100

58 34.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.273 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005373.D

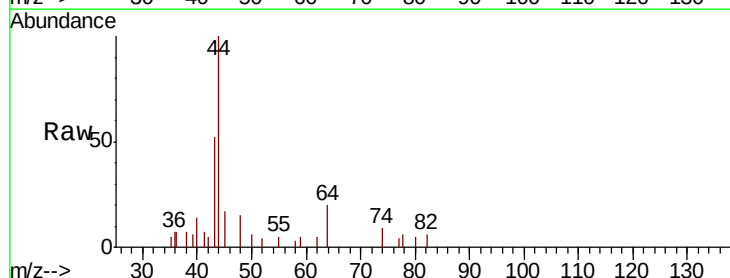
Acq: 16 Oct 2018 17:17

Tgt Ion: 43 Resp: 1417

Ion Ratio Lower Upper

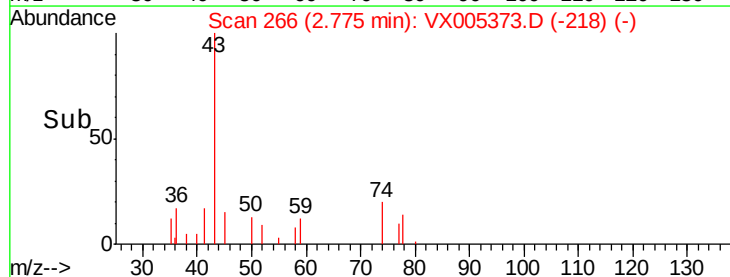
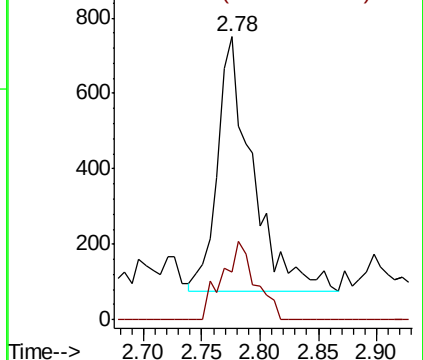
43 100

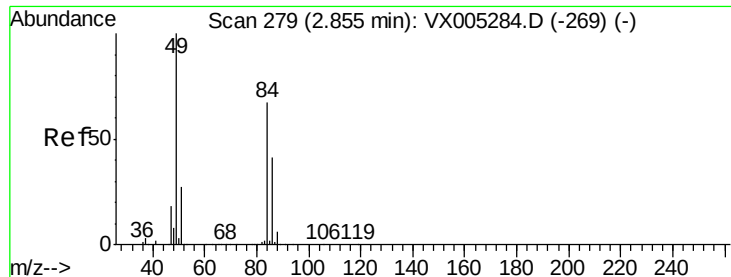
74 28.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005373.D

Acq: 16 Oct 2018 17:17

Instrument :

MSVOA_X

ClientSampled :

MH-20A

Tgt Ion: 84 Resp: 49

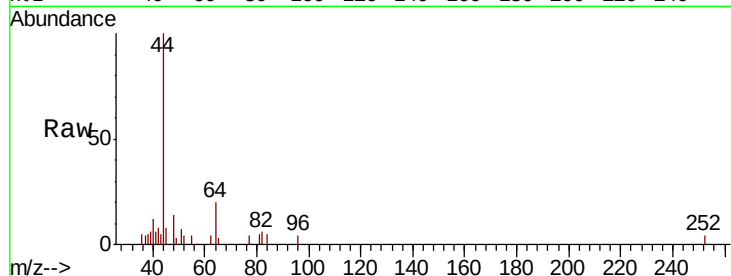
Ion Ratio Lower Upper

84 100

49 61.7 101.2 151.8#

51 135.8 29.5 44.3#

86 0.0 52.3 78.5#

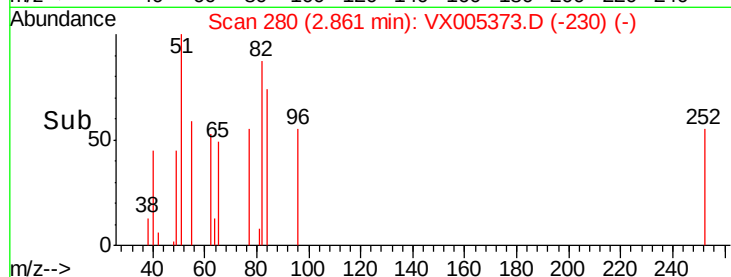
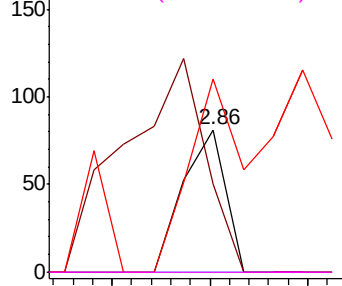


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 0.215 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005373.D

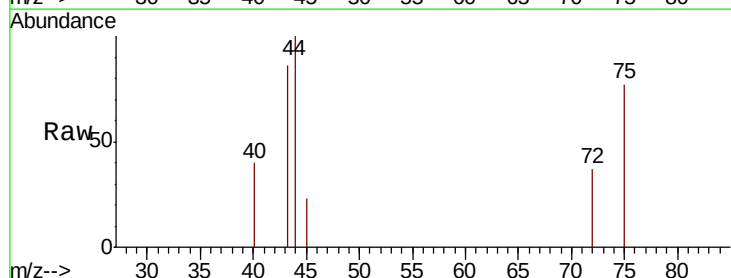
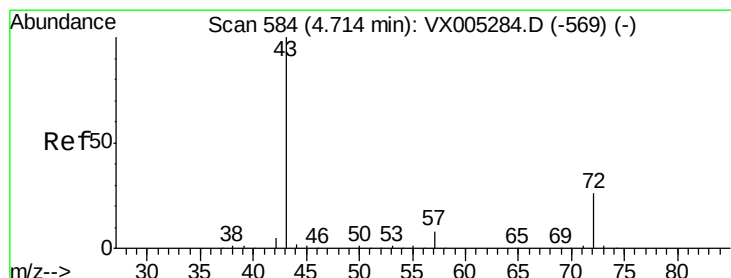
Acq: 16 Oct 2018 17:17

Tgt Ion: 43 Resp: 574

Ion Ratio Lower Upper

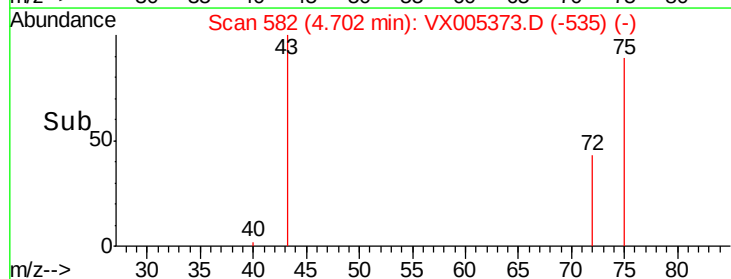
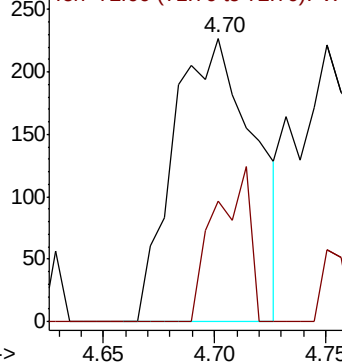
43 100

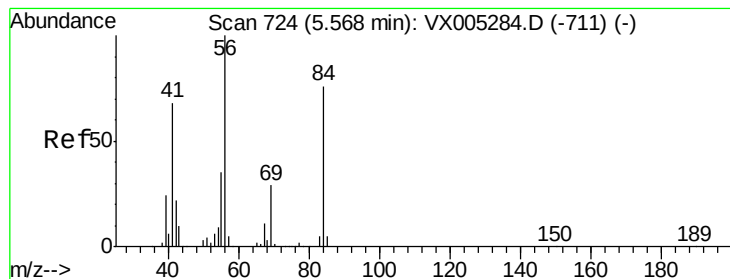
72 42.7 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.117 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.10 min

Lab File: VX005373.D

Acq: 16 Oct 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

MH-20A

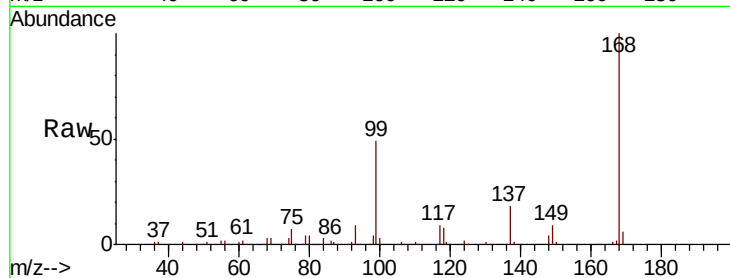
Tgt Ion: 56 Resp: 4843

Ion Ratio Lower Upper

56 100

69 194.6 25.4 38.2#

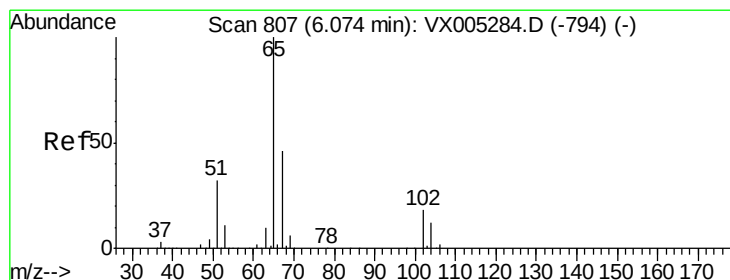
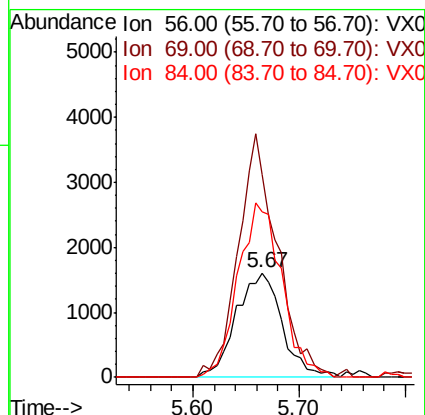
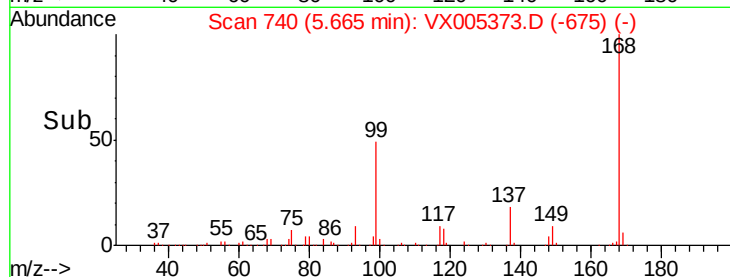
84 159.1 71.4 107.2#



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: 51.677 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005373.D

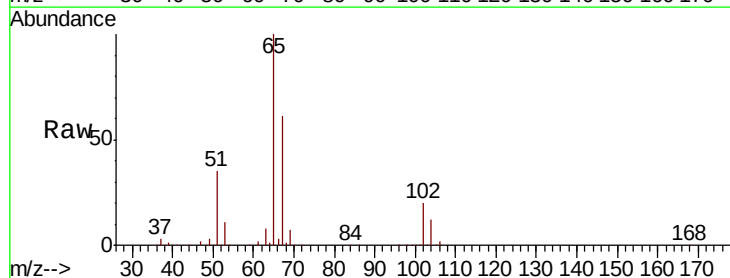
Acq: 16 Oct 2018 17:17

Tgt Ion: 65 Resp: 162953

Ion Ratio Lower Upper

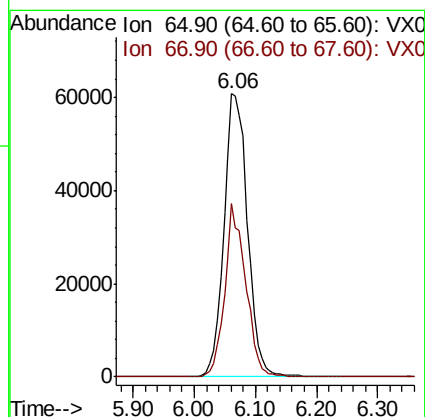
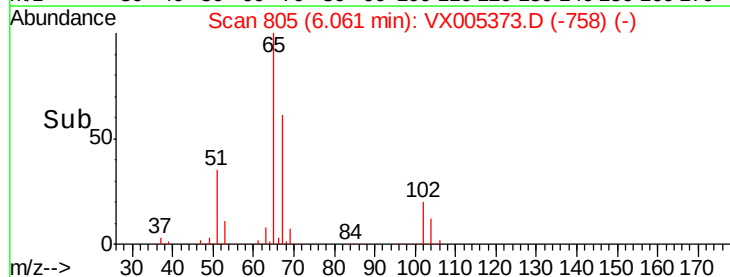
65 100

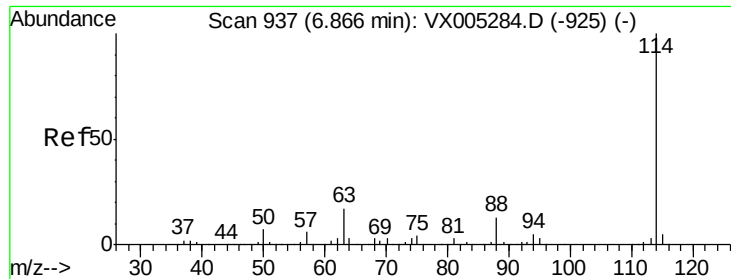
67 53.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

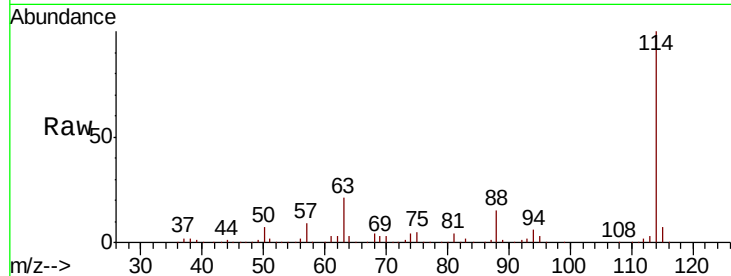




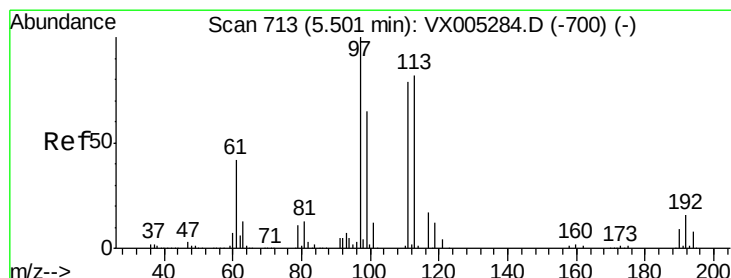
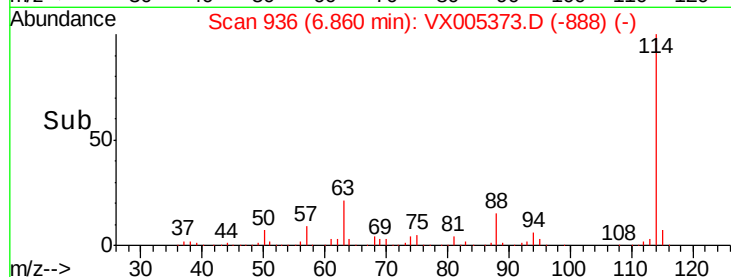
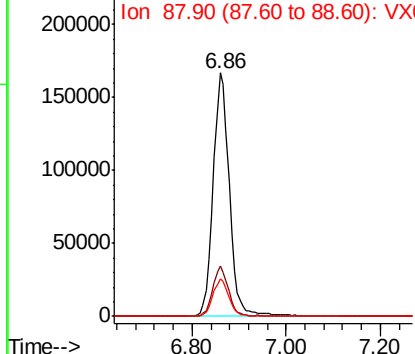
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005373.D
 Acq: 16 Oct 2018 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-20A

Tgt Ion:114 Resp: 400350
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 15.4 0.0 30.4

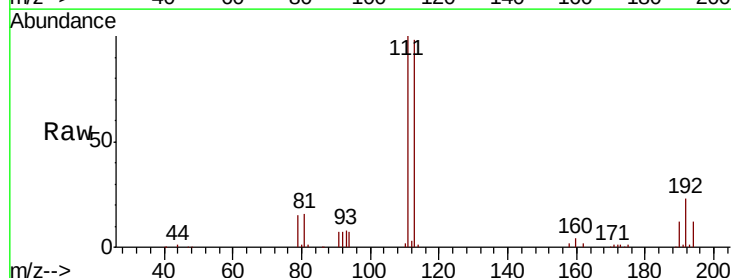


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

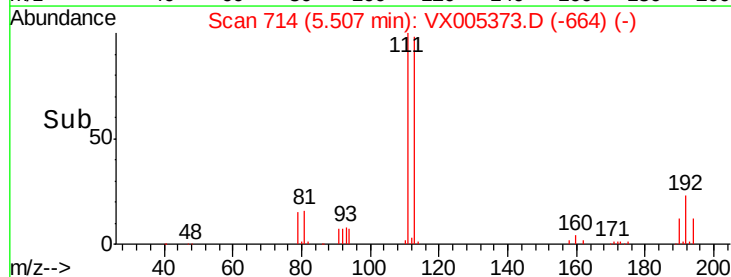
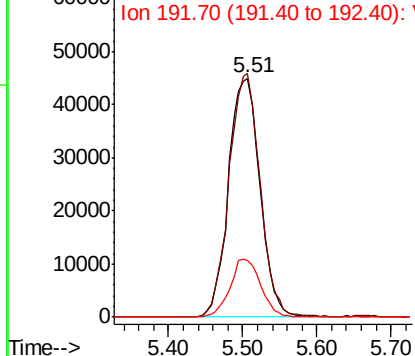


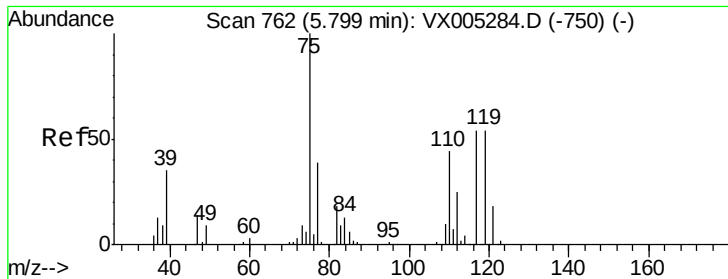
#35
 Dibromofluoromethane
 Concen: 50.400 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005373.D
 Acq: 16 Oct 2018 17:17

Tgt Ion:113 Resp: 133641
 Ion Ratio Lower Upper
 113 100
 111 100.1 82.4 123.6
 192 23.7 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

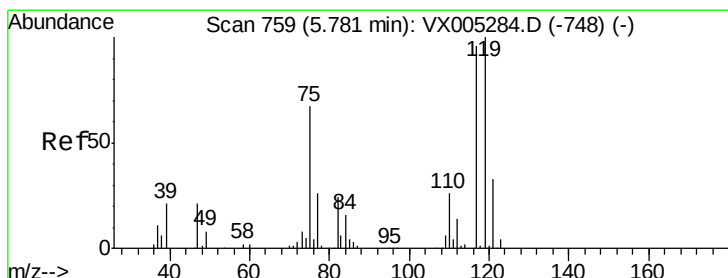
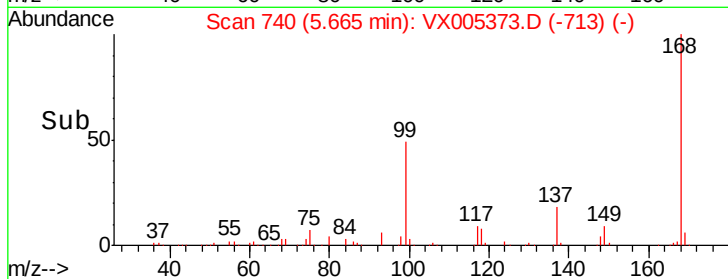
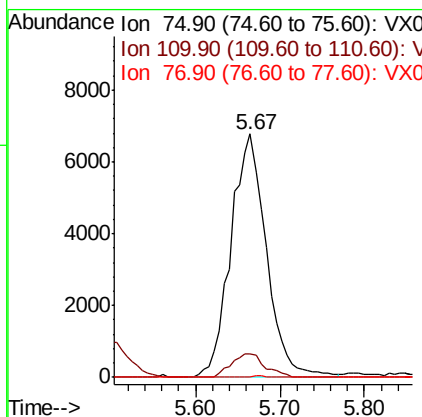
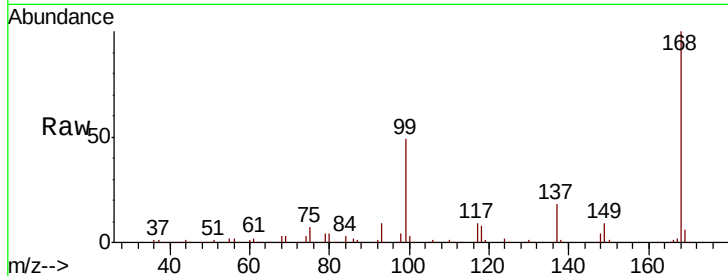




#36
 1,1-Dichloropropene
 Concen: 4.994 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005373.D
 Acq: 16 Oct 2018 17:17

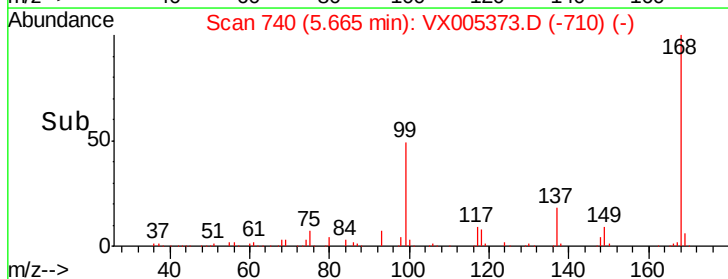
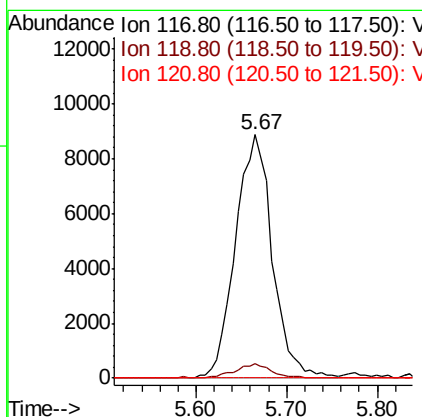
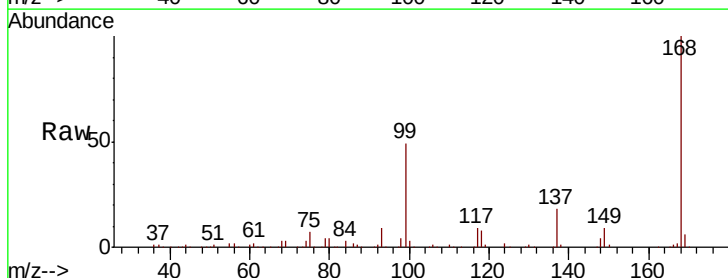
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-20A

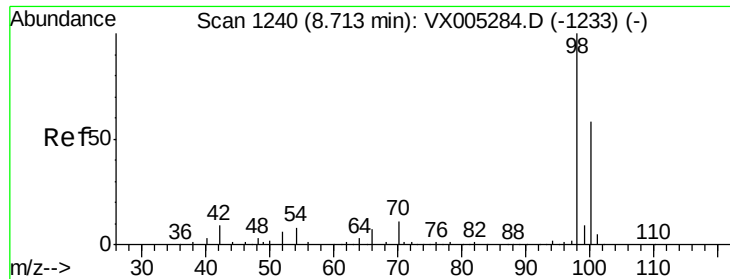
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.0	54.0#
77	0.2	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.412 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005373.D
 Acq: 16 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	78.8	118.2#
121	0.0	24.9	37.3#

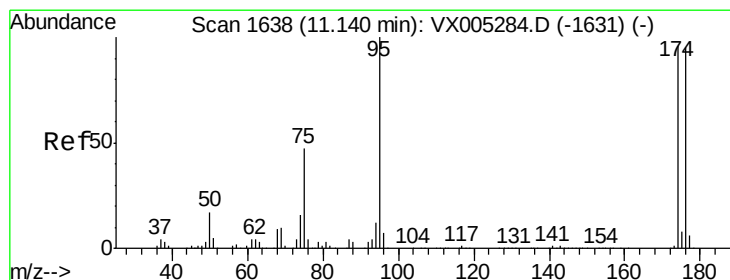
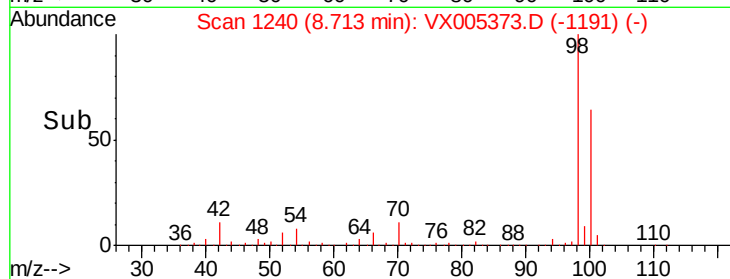
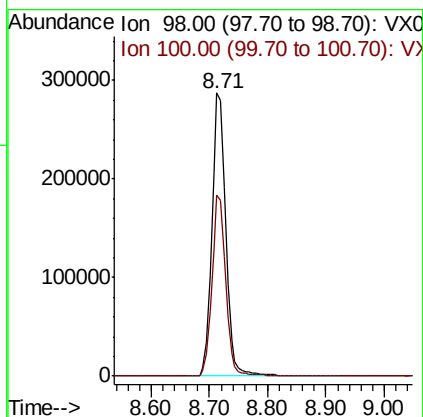
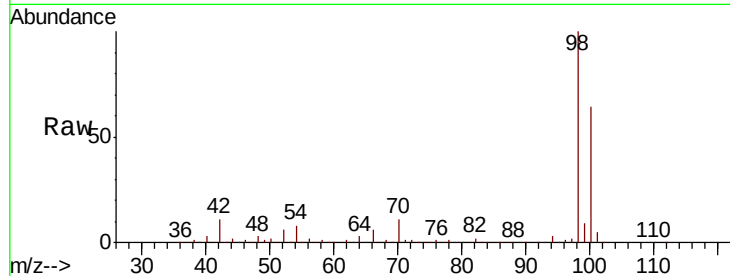




#50
Toluene-d8
Concen: 52.193 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005373.D
Acq: 16 Oct 2018 17:17

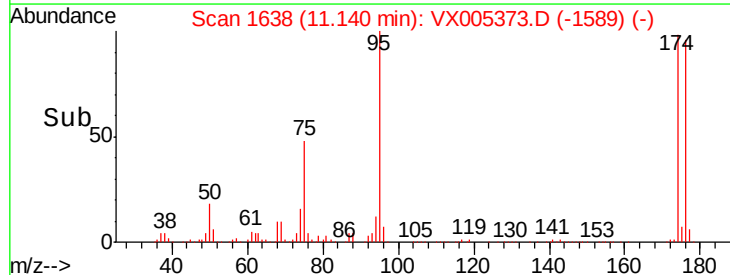
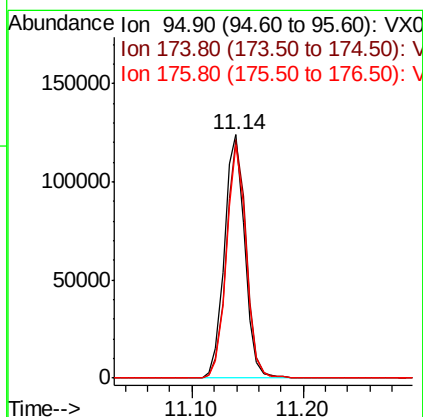
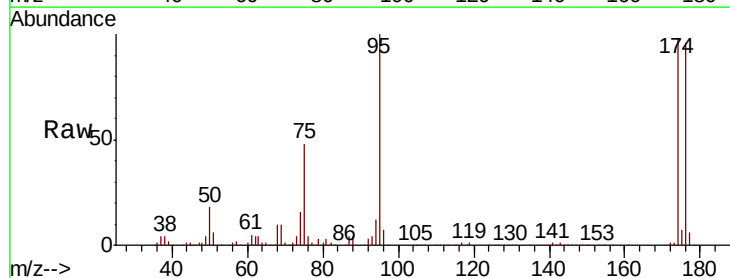
Instrument :
MSVOA_X
ClientSampleId :
MH-20A

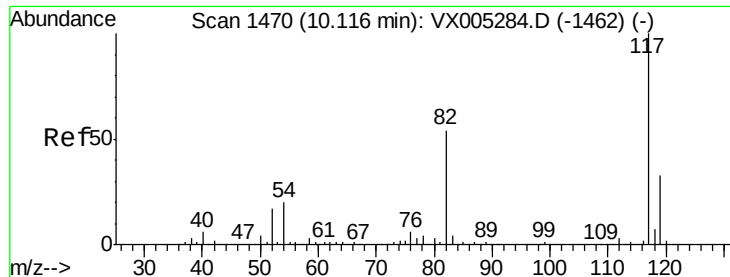
Tgt Ion: 98 Resp: 475125
Ion Ratio Lower Upper
98 100
100 63.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.819 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005373.D
Acq: 16 Oct 2018 17:17

Tgt Ion: 95 Resp: 156689
Ion Ratio Lower Upper
95 100
174 96.6 0.0 185.2
176 92.4 0.0 178.6

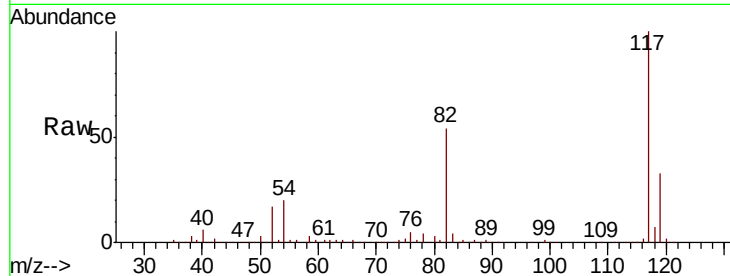




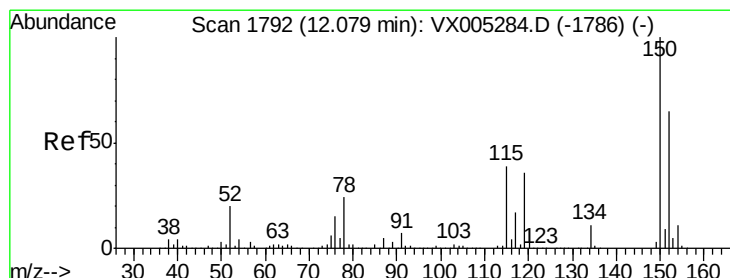
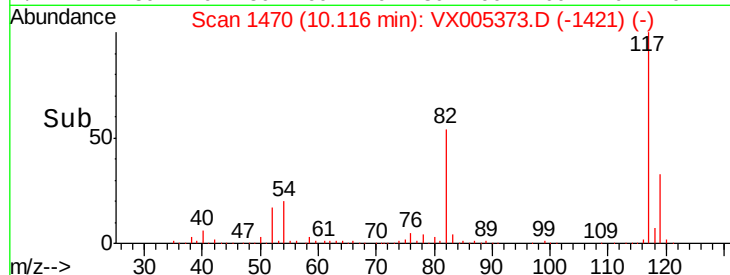
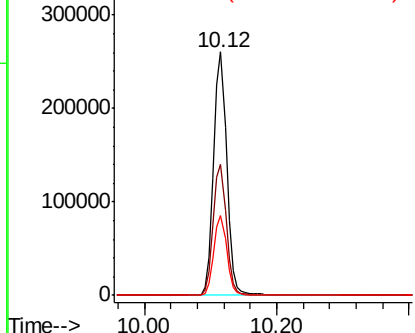
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005373.D
Acq: 16 Oct 2018 17:17

Instrument :
MSVOA_X
ClientSampleId :
MH-20A

Tgt Ion:117 Resp: 356770
Ion Ratio Lower Upper
117 100
82 53.7 47.8 71.6
119 32.7 29.3 43.9

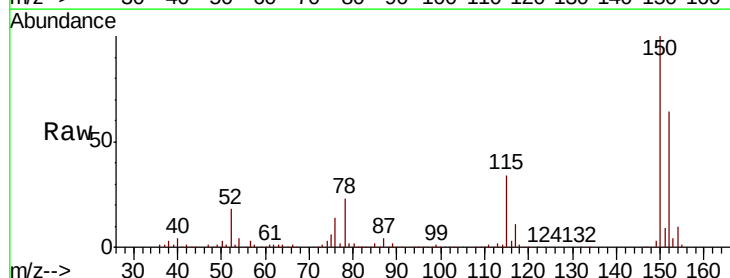


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

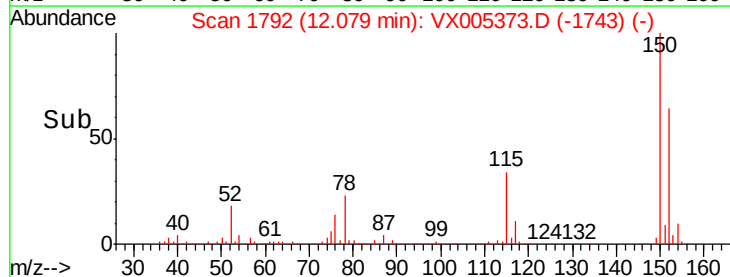
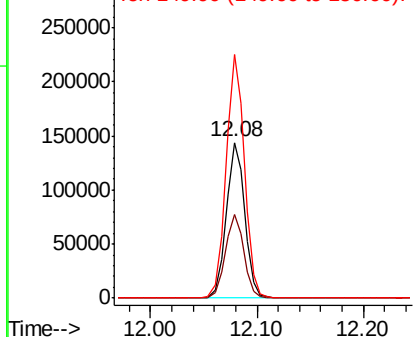


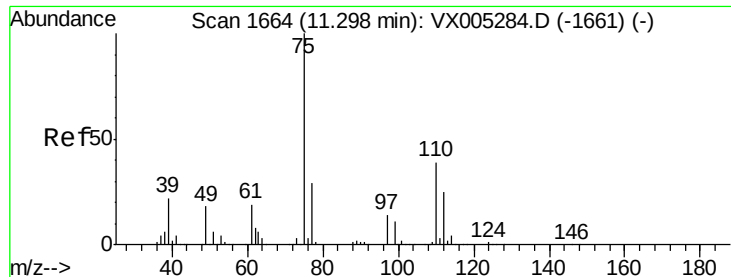
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005373.D
Acq: 16 Oct 2018 17:17

Tgt Ion:152 Resp: 174317
Ion Ratio Lower Upper
152 100
115 54.0 39.0 117.0
150 155.9 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

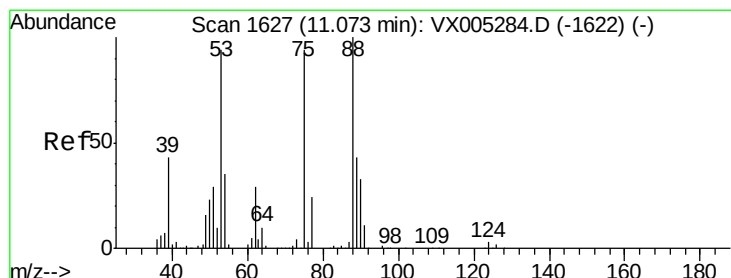
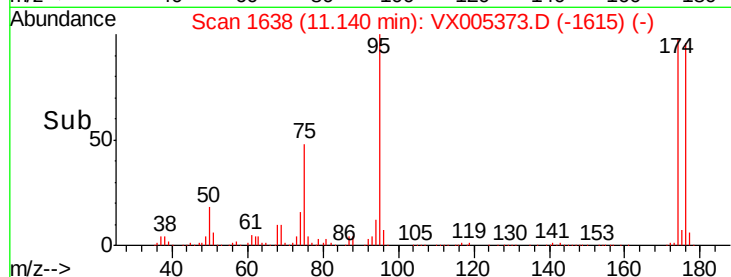
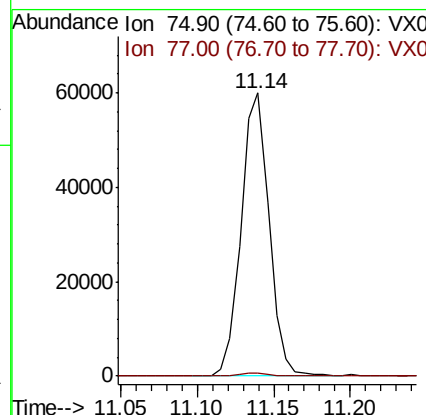
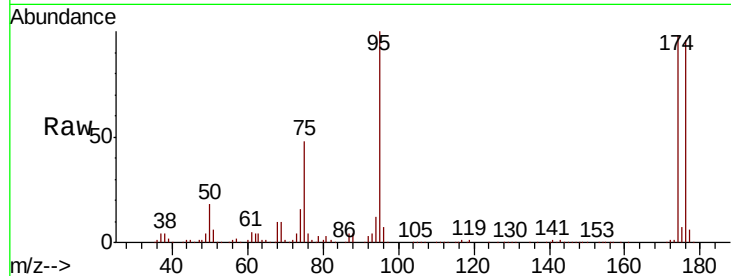




#76
 1,2,3-Trichloropropane
 Concen: 22.475 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005373.D
 Acq: 16 Oct 2018 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-20A

Tgt Ion: 75 Resp: 75995
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.291 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005373.D
 Acq: 16 Oct 2018 17:17

Tgt Ion: 75 Resp: 75995
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

