

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\
 Data File : VX002353.D
 Acq On : 06 Jun 2018 15:29
 Operator : JC/MD
 Sample : J3311-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19

Quant Time: Jun 07 03:22:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	318450	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	289018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	155045	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	155530	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
35) Dibromofluoromethane	5.51	113	112741	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	
50) Toluene-d8	8.72	98	456514	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
62) 4-Bromofluorobenzene	11.14	95	154498	41.74	ug/l	0.00
Spiked Amount			Recovery	=	83.48%	

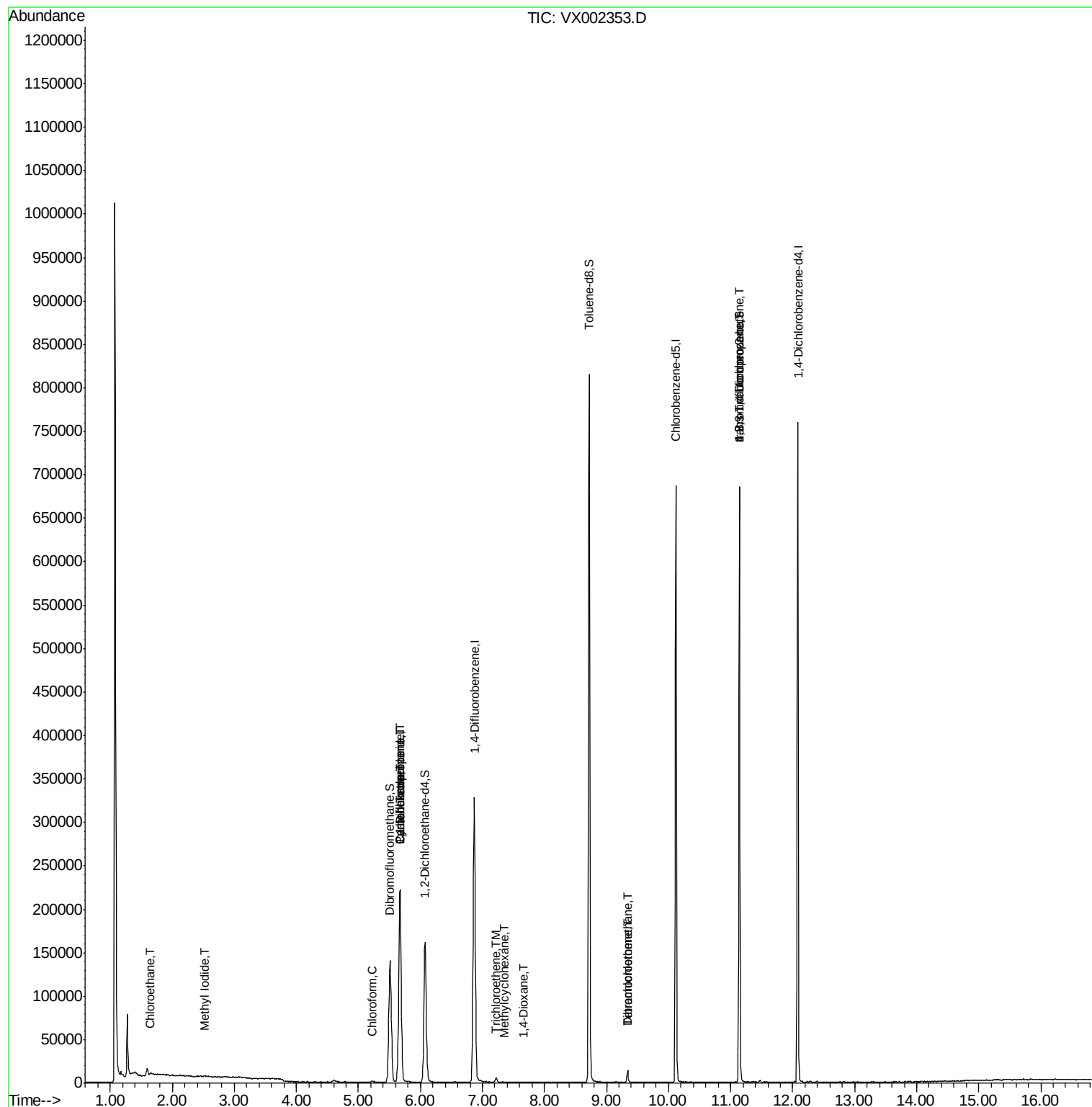
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	518	Below Cal		90
5) Bromomethane	1.65	94	1045	Below Cal		91
6) Chloroethane	1.64	64	1546	0.84 ug/l	#	68
8) Diethyl Ether	2.42	74	58	Below Cal		77
10) Methyl Iodide	2.52	142	1490	0.45 ug/l		97
11) Tert butyl alcohol	3.07	59	836	Below Cal	#	80
13) Acrolein	2.31	56	91	Below Cal	#	53
15) Acrylonitrile	3.14	53	166	Below Cal	#	29
16) Acetone	2.45	43	681	Below Cal	#	76
18) Methyl Acetate	2.76	43	303	Below Cal	#	55
19) Methyl tert-butyl Ether	3.20	73	80	Below Cal		99
20) Methylene Chloride	2.87	84	454	Below Cal	#	59
22) Diisopropyl ether	3.84	45	86	Below Cal	#	35
28) Bromochloromethane	4.96	49	23	Below Cal	#	13
30) Chloroform	5.23	83	1577	0.33 ug/l		92
31) Cyclohexane	5.67	56	4851	1.23 ug/l	#	34
36) 1,1-Dichloropropene	5.67	75	14975	4.47 ug/l	#	50
38) Carbon Tetrachloride	5.67	117	20408	5.83 ug/l	#	16
39) Methylcyclohexane	7.34	83	27	0.27 ug/l	#	16
44) Trichloroethene	7.22	130	1553	0.55 ug/l		88
49) 1,4-Dioxane	7.67	88	22	0.34 ug/l	#	1
60) Dibromochloromethane	9.34	129	2307	0.85 ug/l	#	11
64) Tetrachloroethene	9.34	164	2844	0.95 ug/l	#	76
76) 1,2,3-Trichloropropane	11.14	75	83339	24.50 ug/l	#	33
81) trans-1,4-Dichloro-2-buten	11.14	75	83339	85.87 ug/l	#	6

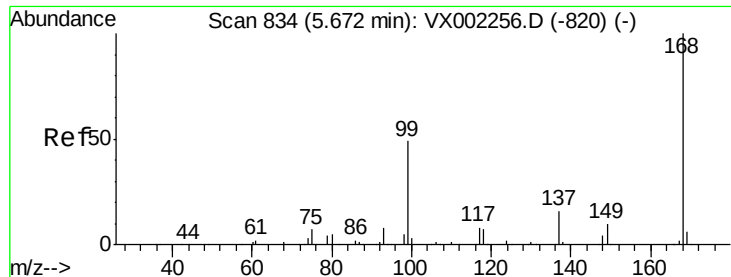
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX002353.D
Acq On : 06 Jun 2018 15:29
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Misc : 5.0mL/MSVOA X/WATER
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Quant Time: Jun 07 03:22:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002353.D

Acq: 06 Jun 2018 15:29

Instrument :

MSVOA_X

ClientSampleId :

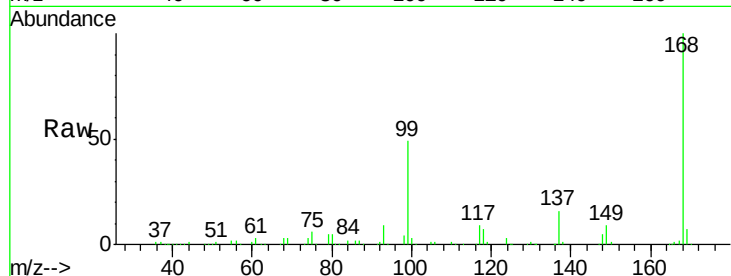
MW-19

Tot Ion:168 Resp: 217592

Ion Ratio Lower Upper

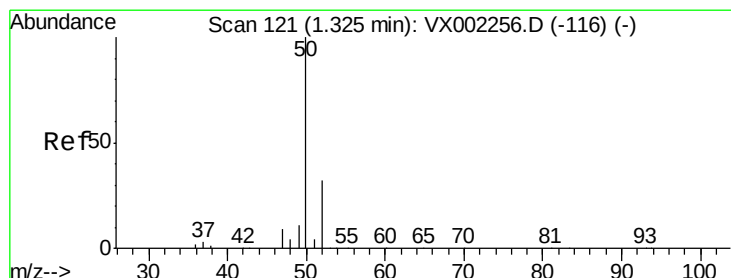
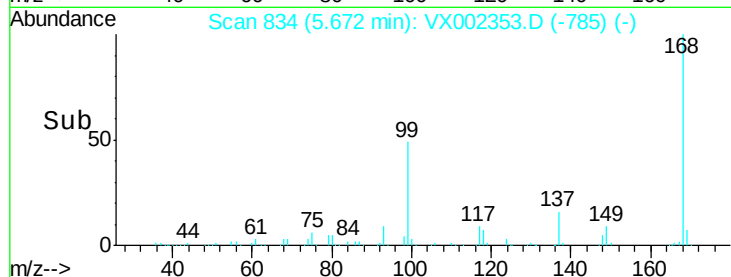
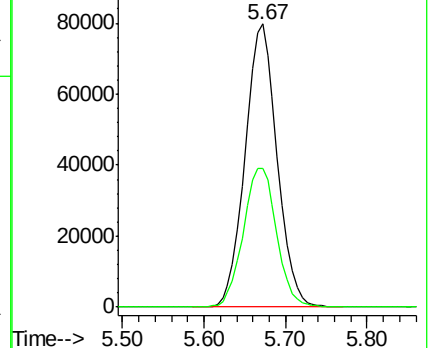
168 100

99 49.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002353.D

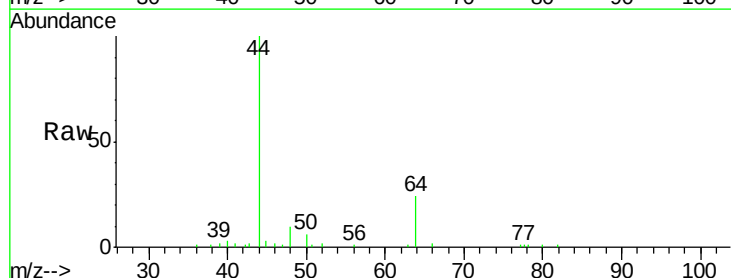
Acq: 06 Jun 2018 15:29

Tgt Ion: 50 Resp: 518

Ion Ratio Lower Upper

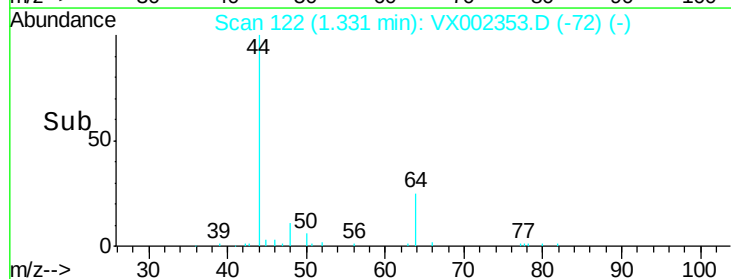
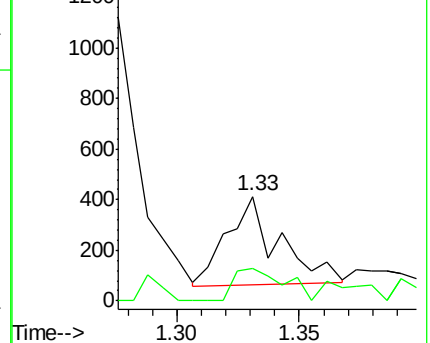
50 100

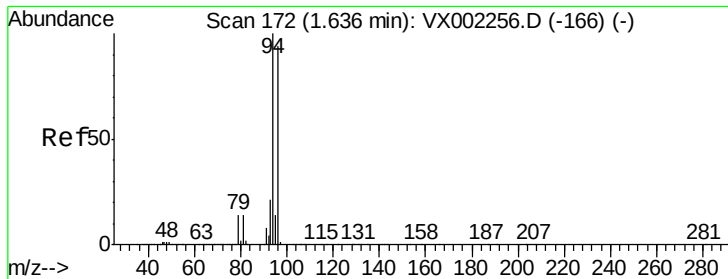
52 37.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002353.D

Acq: 06 Jun 2018 15:29

Instrument :

MSVOA_X

ClientSampled :

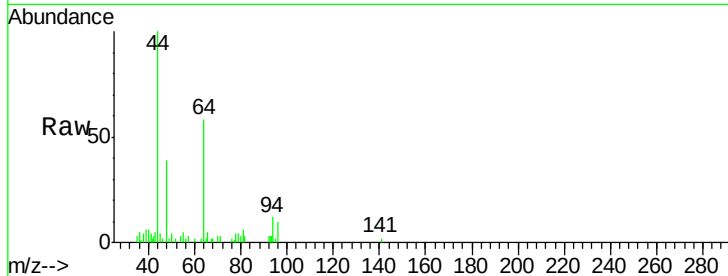
MW-19

Tot Ion: 94 Resp: 1045

Ion Ratio Lower Upper

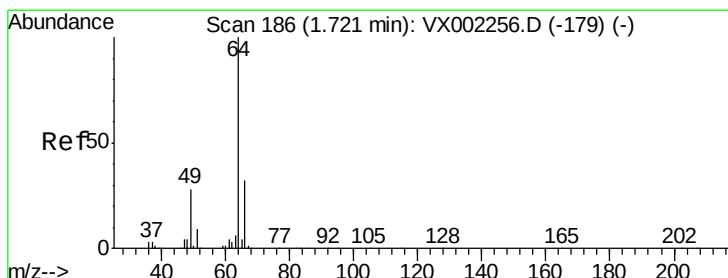
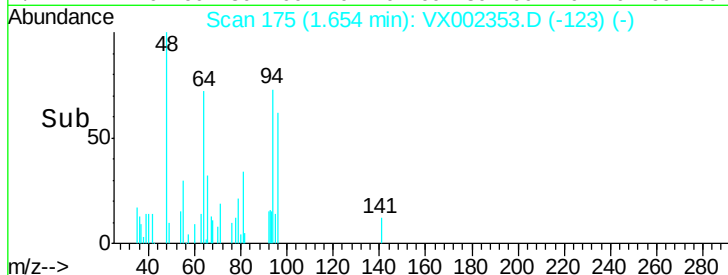
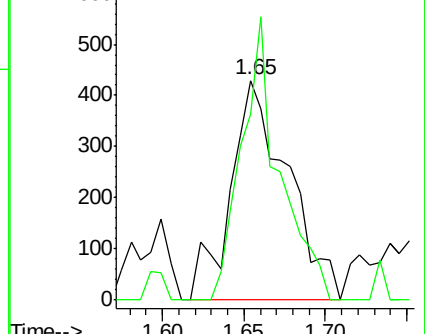
94 100

96 84.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.84 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.09 min

Lab File: VX002353.D

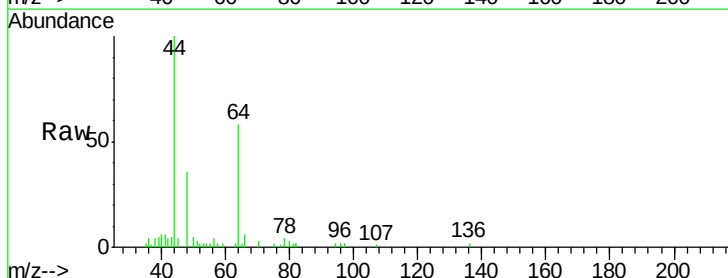
Acq: 06 Jun 2018 15:29

Tgt Ion: 64 Resp: 1546

Ion Ratio Lower Upper

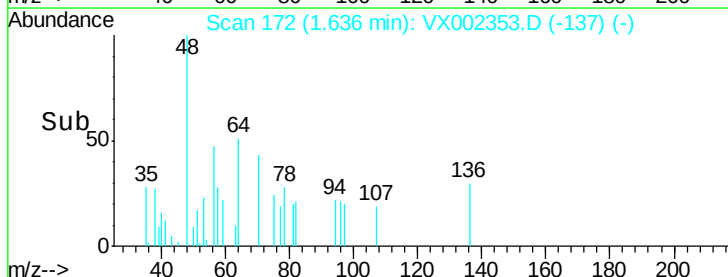
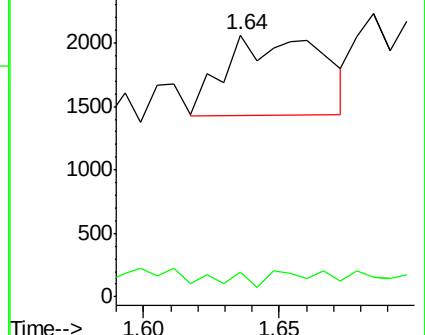
64 100

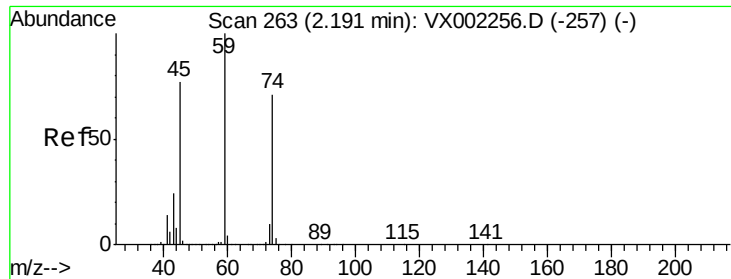
66 13.8 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: Below Cal

RT: 2.42 min Scan# 301

Delta R.T. 0.23 min

Lab File: VX002353.D

Acq: 06 Jun 2018 15:29

Instrument :

MSVOA_X

ClientSampled :

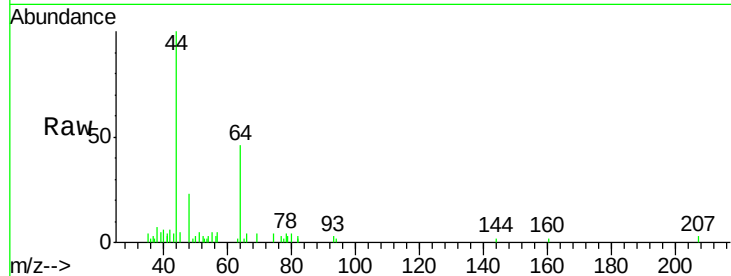
MW-19

Tot Ion: 74 Resp: 58

Ion Ratio Lower Upper

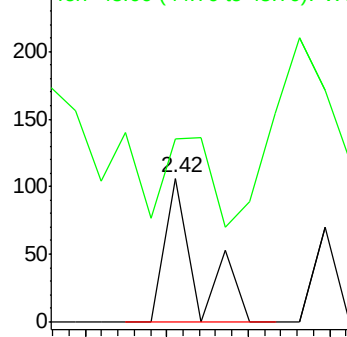
74 100

45 82.8 53.1 159.4

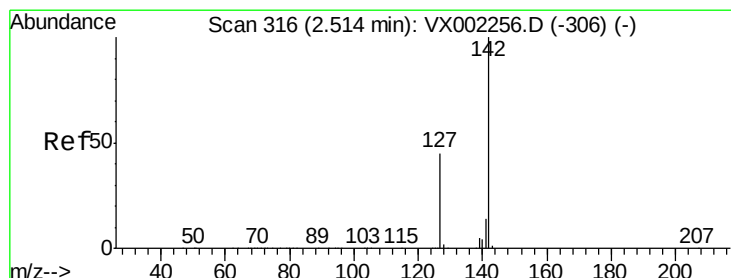
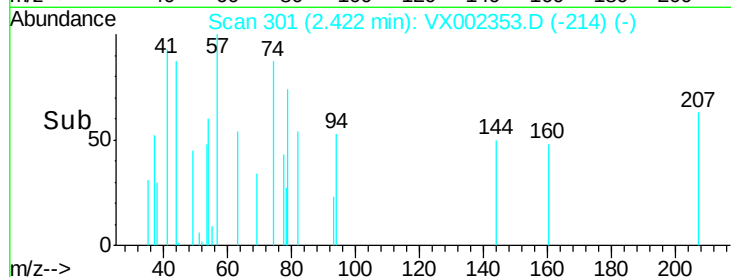


Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->



#10

Methyl Iodide

Concen: 0.45 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002353.D

Acq: 06 Jun 2018 15:29

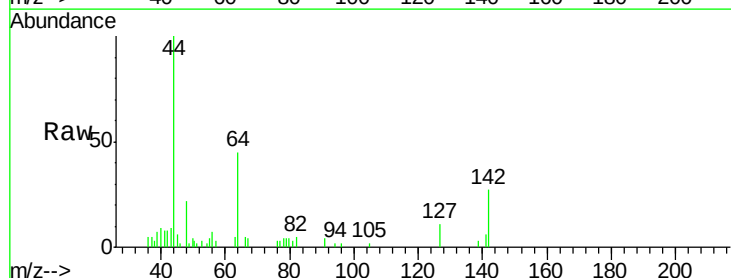
Tgt Ion: 142 Resp: 1490

Ion Ratio Lower Upper

142 100

127 44.2 36.6 55.0

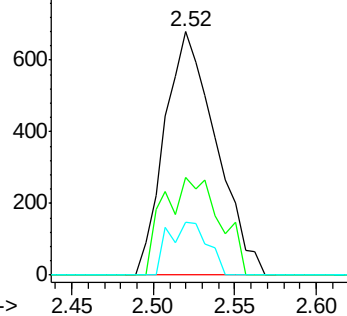
141 16.8 11.3 16.9



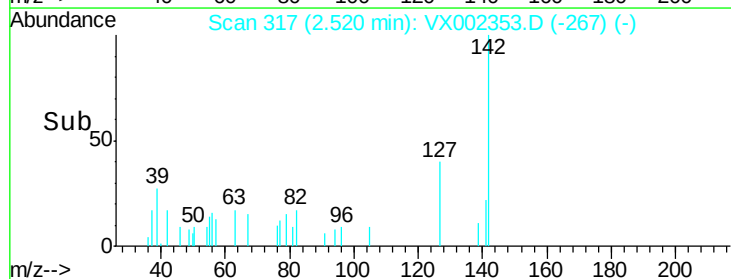
Abundance Ion 141.80 (141.50 to 142.50): V

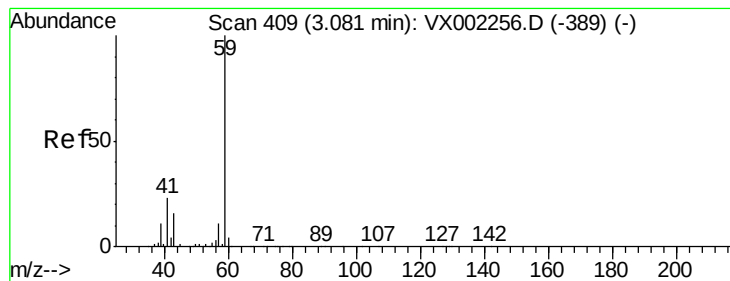
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



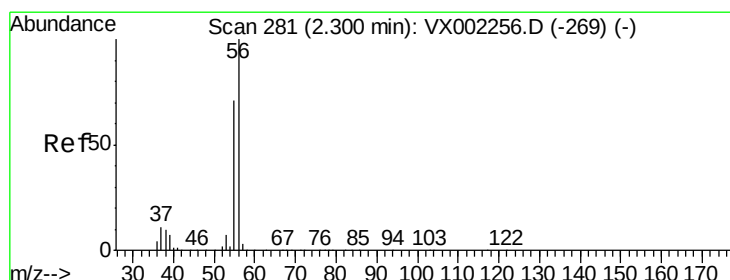
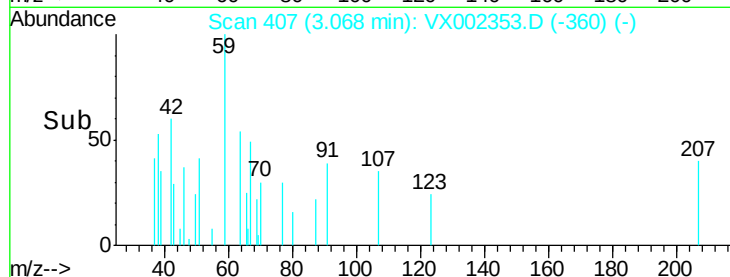
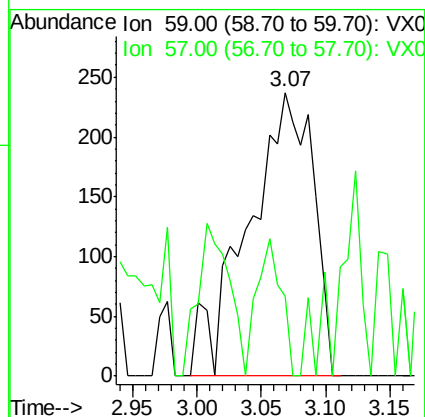
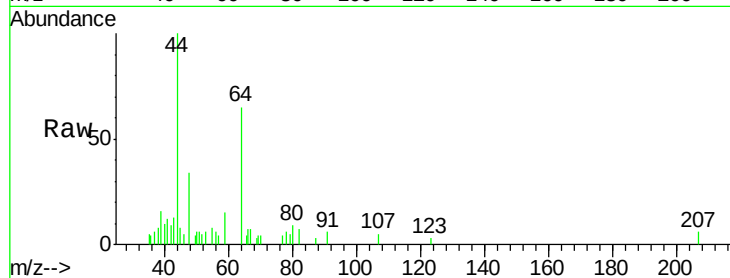


#11

Tert butyl alcohol
Concen: Below Cal
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002353.D
Acq: 06 Jun 2018 15:29

Instrument :
MSVOA_X
ClientSampled :
MW-19

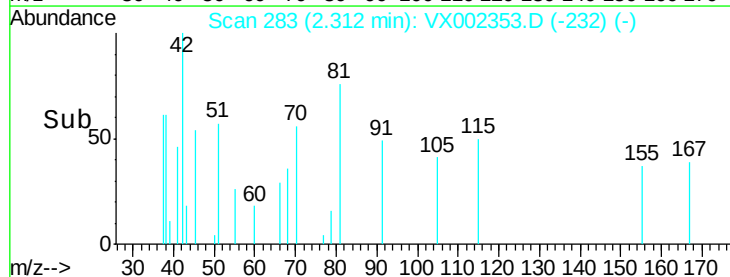
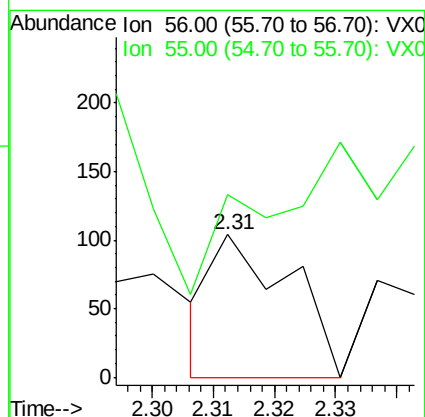
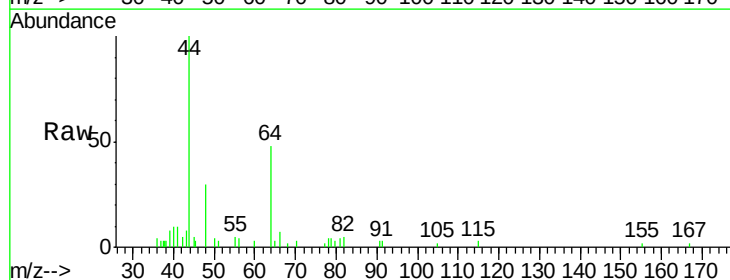
Tot Ion: 59 Resp: 836
Ion Ratio Lower Upper
59 100
57 17.8 8.2 12.2#

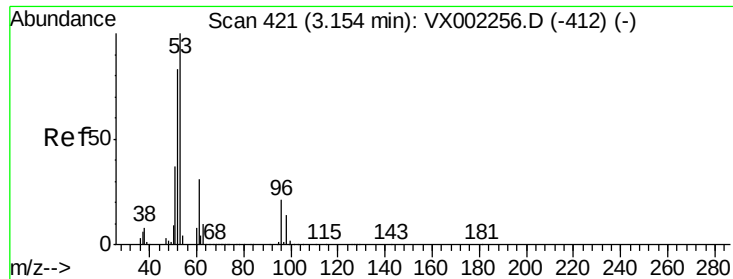


#13

Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 283
Delta R.T. 0.01 min
Lab File: VX002353.D
Acq: 06 Jun 2018 15:29

Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 109.9 57.0 85.4#





#15

Acrylonitrile

Concen: Below Cal

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX002353.D

Acq: 06 Jun 2018 15:29

Instrument :

MSVOA_X

ClientSampled :

MW-19

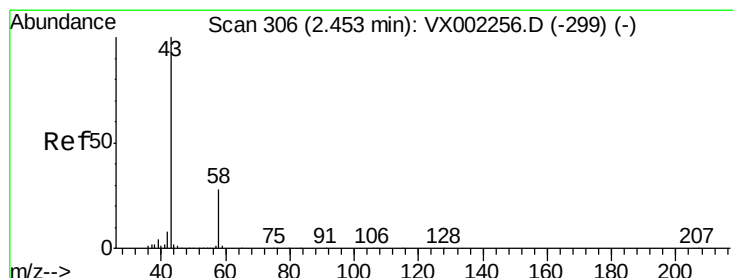
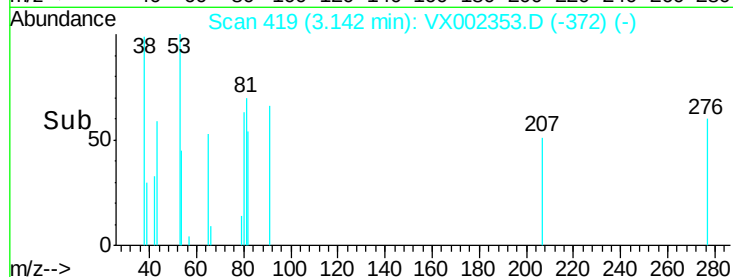
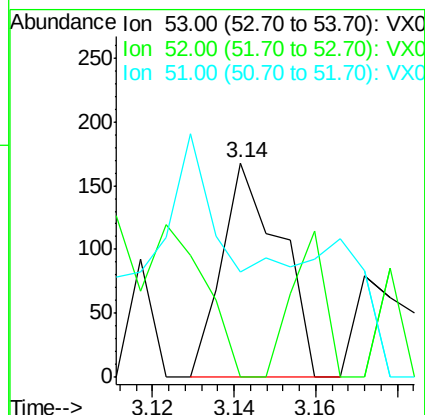
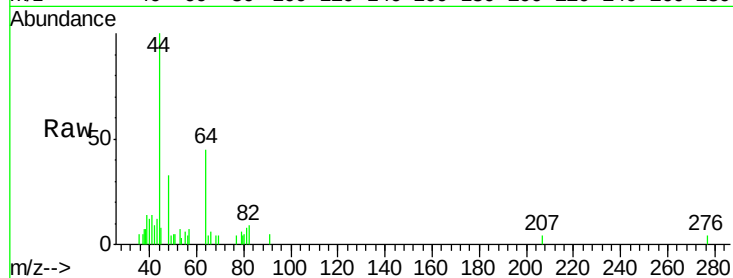
Tot Ion: 53 Resp: 166

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

51 51.2 29.9 44.9#



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002353.D

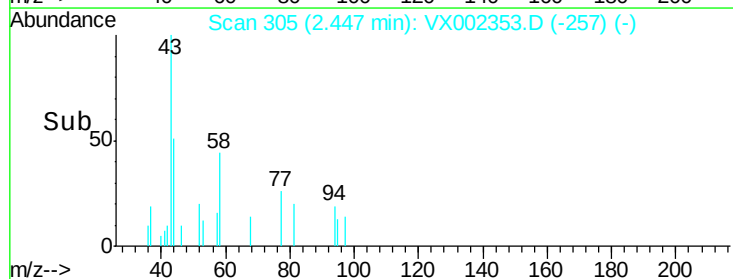
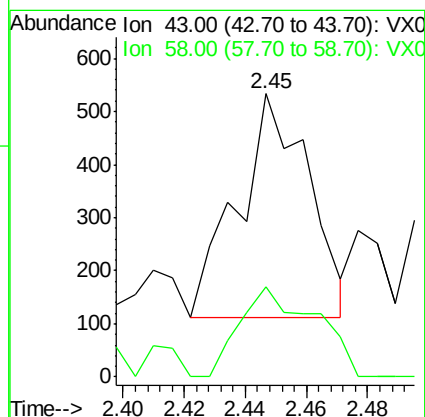
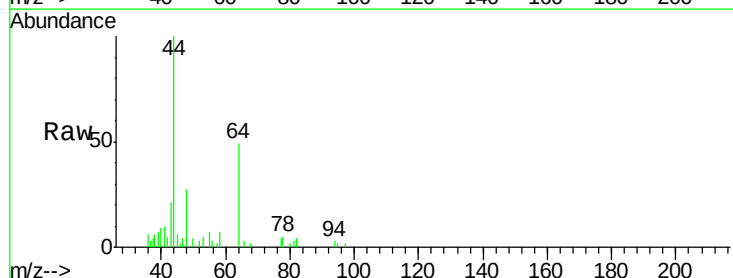
Acq: 06 Jun 2018 15:29

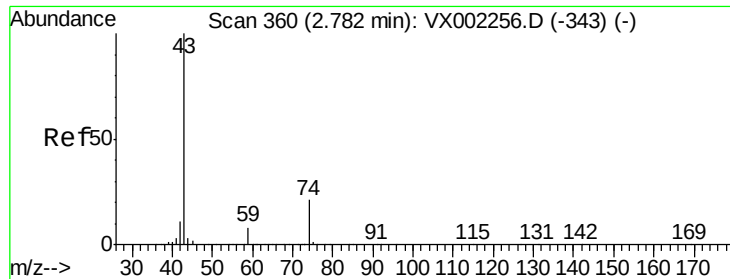
Tgt Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

58 40.0 22.1 33.1#

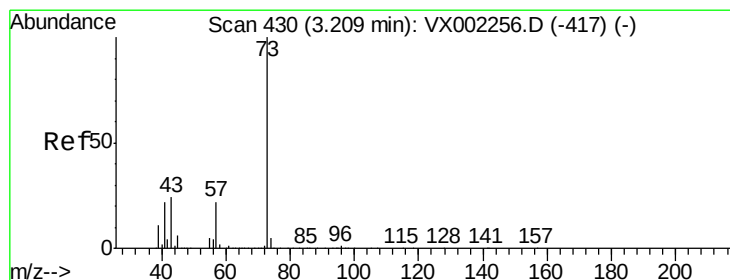
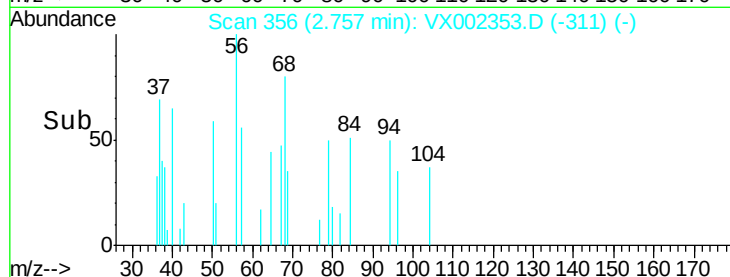
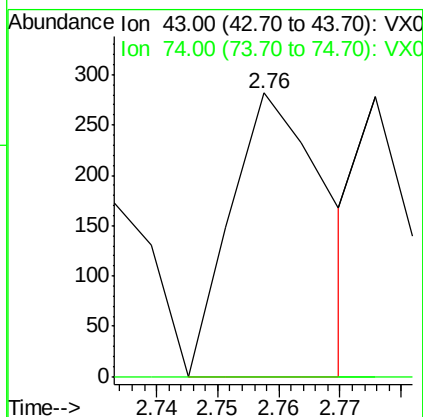
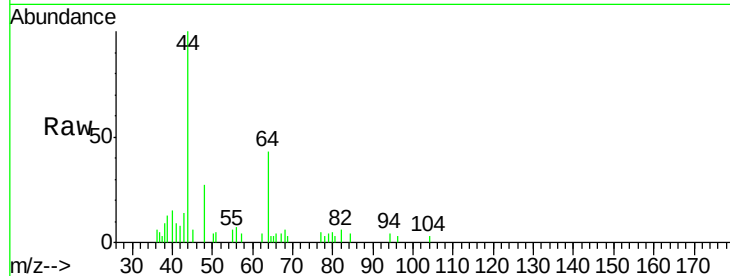




#18
Methyl Acetate
Concen: Below Cal
RT: 2.76 min Scan# 356
Delta R.T. -0.02 min
Lab File: VX002353.D
Acq: 06 Jun 2018 15:29

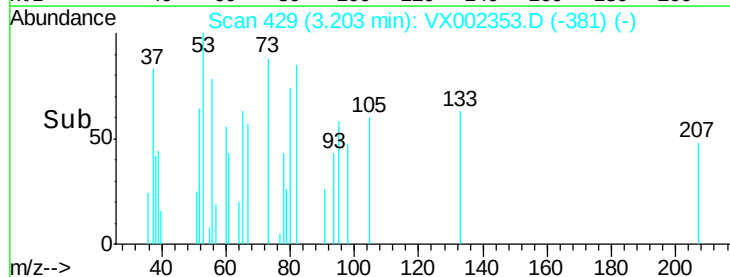
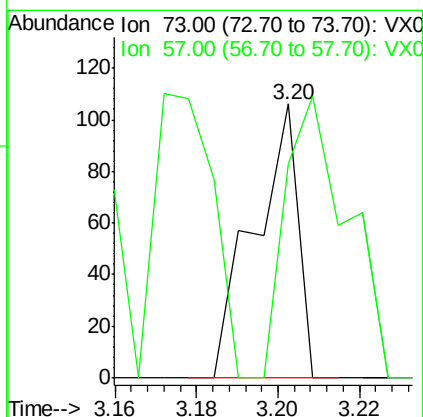
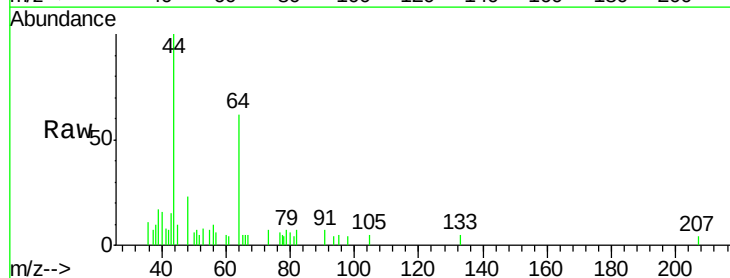
Instrument :
MSVOA_X
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MW-19

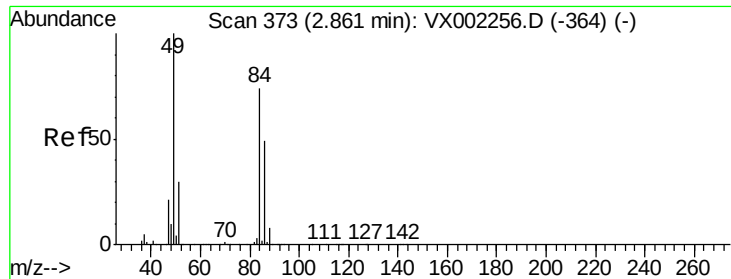
Tot Ion: 43 Resp: 303
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002353.D
Acq: 06 Jun 2018 15:29

Tgt Ion: 73 Resp: 80
Ion Ratio Lower Upper
73 100
57 22.6 17.7 26.5

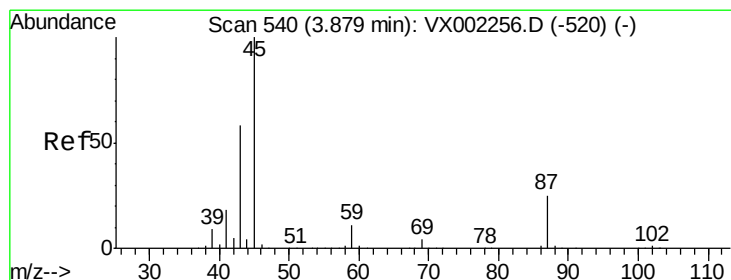
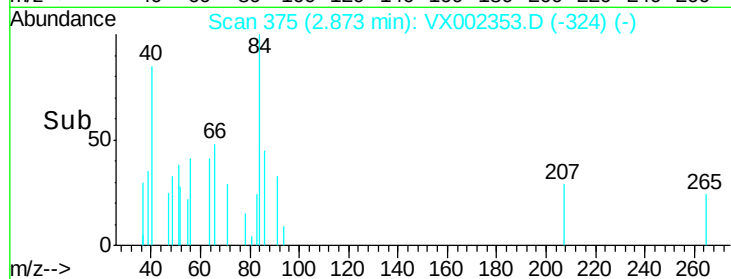
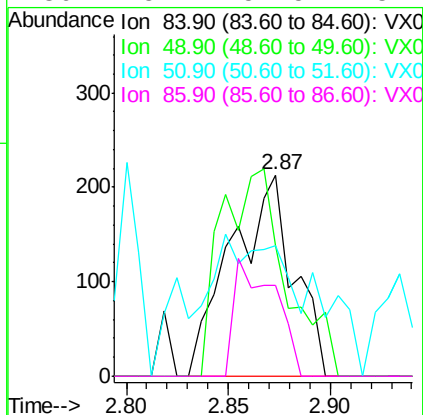
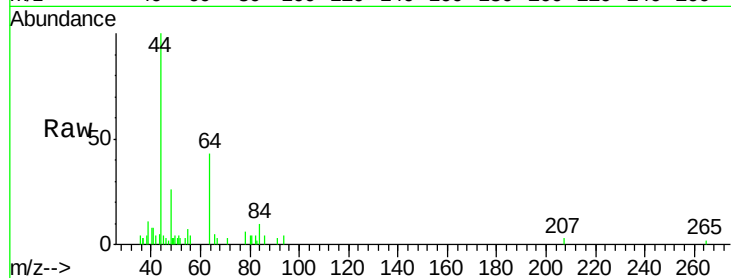




#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VX002353.D
Acq: 06 Jun 2018 15:29

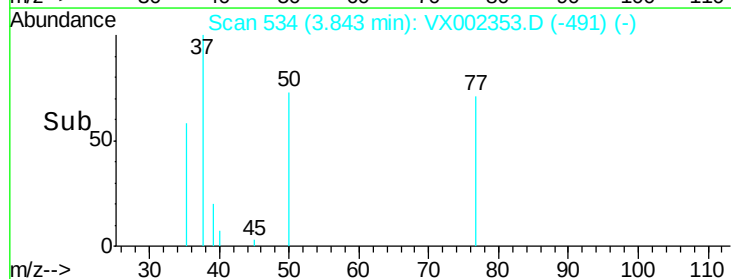
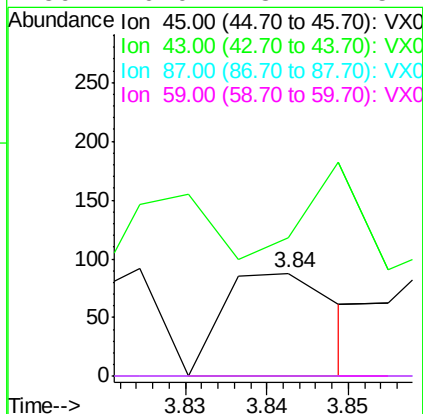
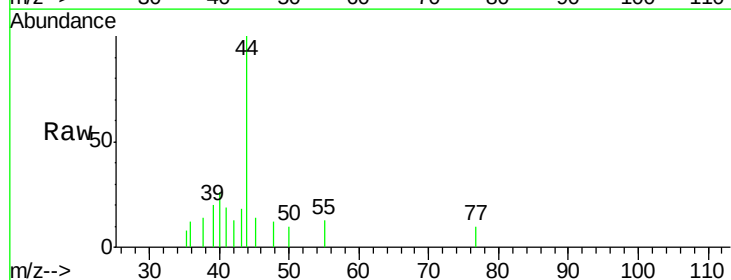
Instrument :
MSVOA_X
ClientSampleId :
MW-19

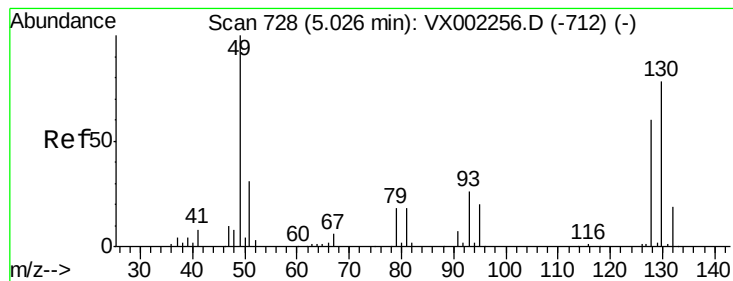
Tot Ion: 84 Resp: 454
Ion Ratio Lower Upper
84 100
49 64.8 107.8 161.6#
51 36.2 32.8 49.2
86 45.1 52.5 78.7#



#22
Diisopropyl ether
Concen: Below Cal
RT: 3.84 min Scan# 534
Delta R.T. -0.04 min
Lab File: VX002353.D
Acq: 06 Jun 2018 15:29

Tgt Ion: 45 Resp: 86
Ion Ratio Lower Upper
45 100
43 0.0 46.8 70.2#
87 0.0 20.2 30.4#
59 0.0 8.7 13.1#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.96 min Scan# 718

Delta R.T. -0.06 min

Lab File: VX002353.D

Acq: 06 Jun 2018 15:29

Instrument :

MSVOA_X

ClientSampleId :

MW-19

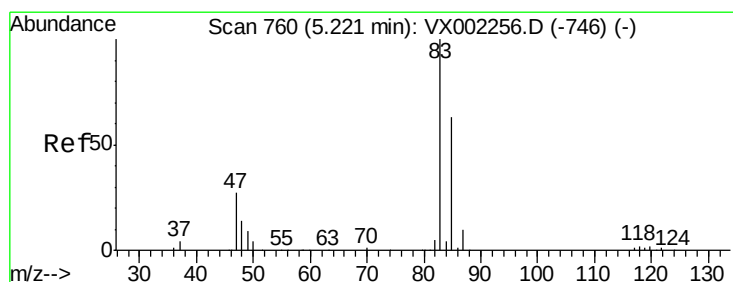
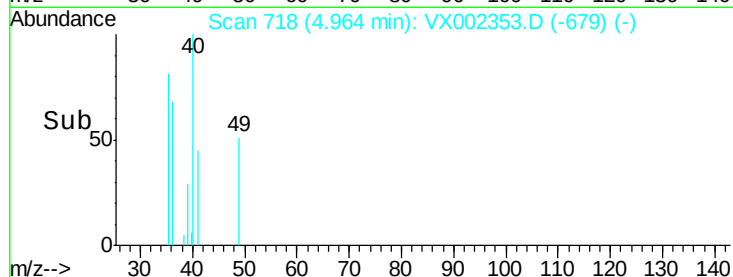
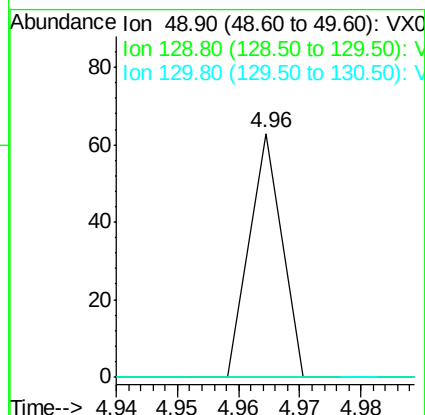
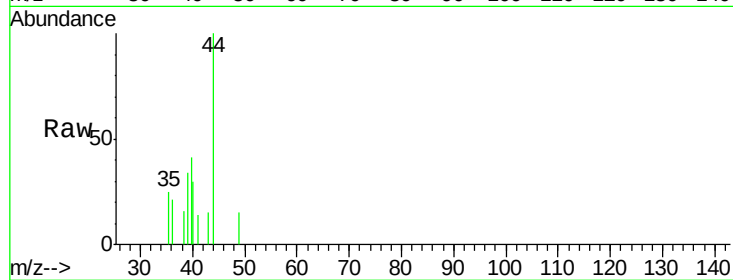
Tot Ion: 49 Resp: 23

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 0.0 61.2 91.8#



#30

Chloroform

Concen: 0.33 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VX002353.D

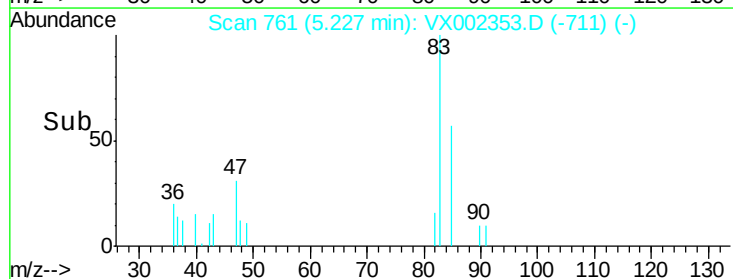
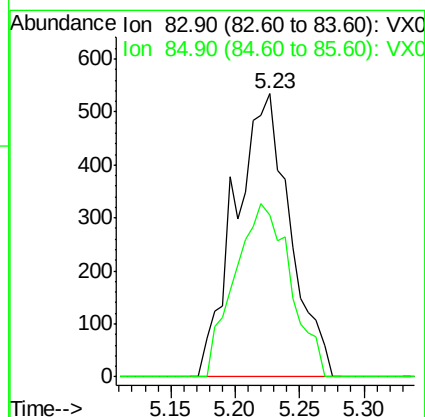
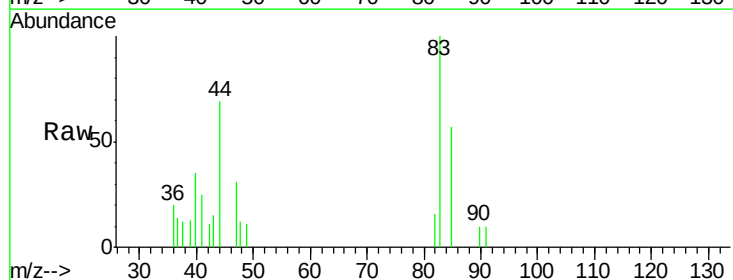
Acq: 06 Jun 2018 15:29

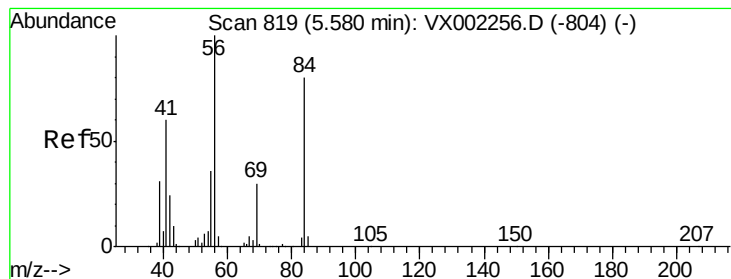
Tgt Ion: 83 Resp: 1577

Ion Ratio Lower Upper

83 100

85 57.1 50.4 75.6





#31

Cyclohexane

Concen: 1.23 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX002353.D

Acq: 06 Jun 2018 15:29

Instrument :

MSVOA_X

ClientSampled :

MW-19

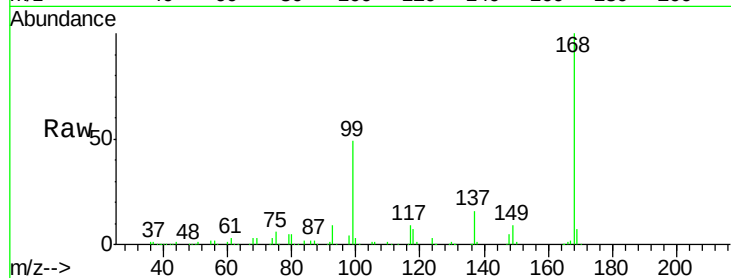
Tot Ion: 56 Resp: 4851

Ion Ratio Lower Upper

56 100

69 127.6 23.7 35.5#

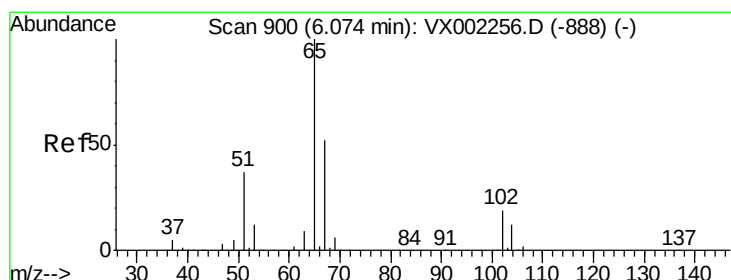
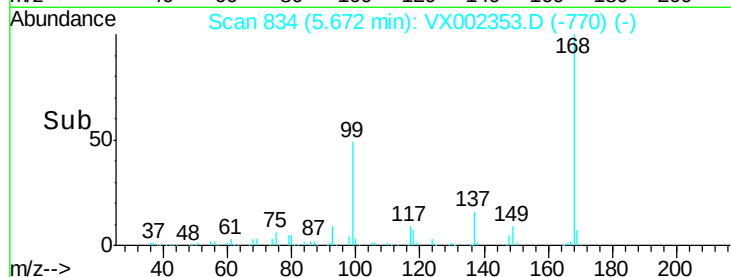
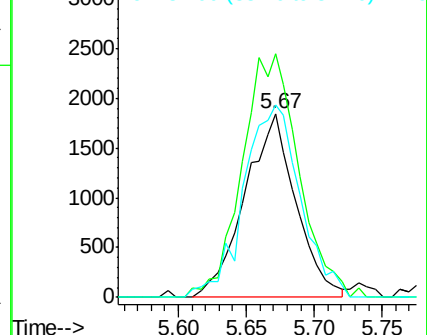
84 100.8 64.1 96.1#



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: 49.98 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002353.D

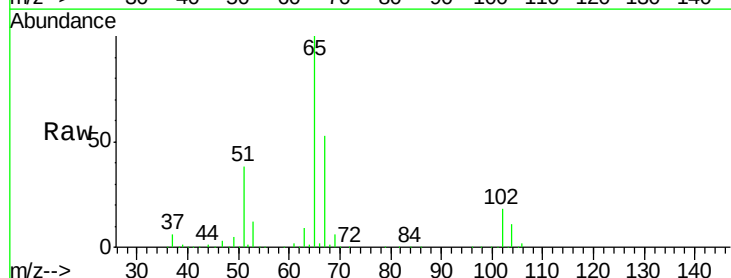
Acq: 06 Jun 2018 15:29

Tgt Ion: 65 Resp: 155530

Ion Ratio Lower Upper

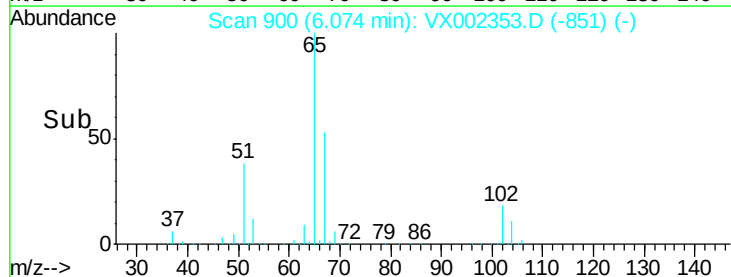
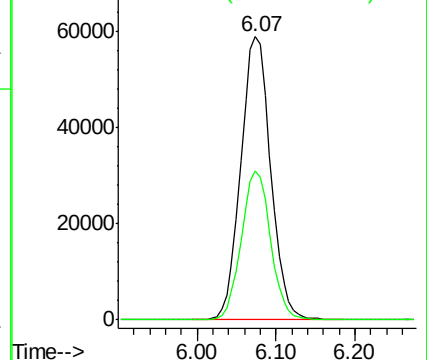
65 100

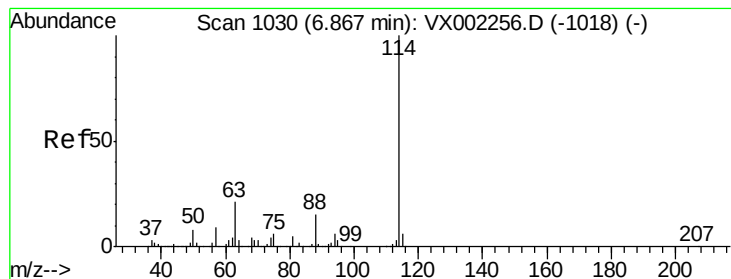
67 51.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002353.D

Acq: 06 Jun 2018 15:29

Instrument :

MSVOA_X

ClientSampleId :

MW-19

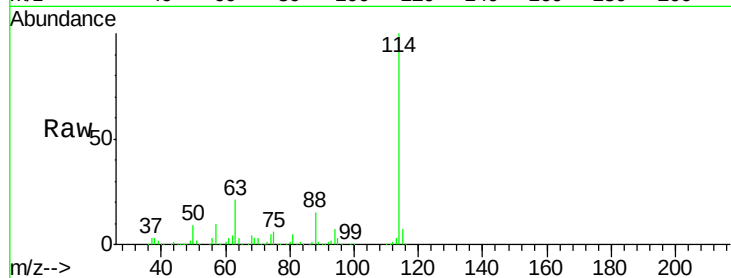
Tot Ion:114 Resp: 318450

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

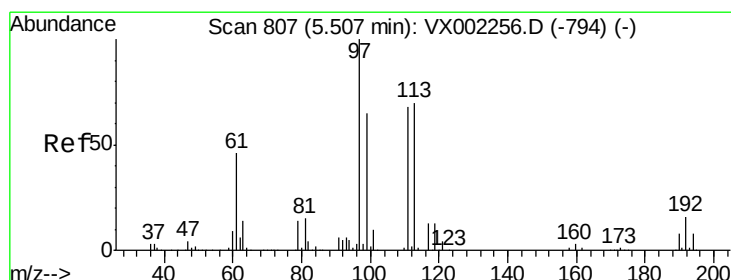
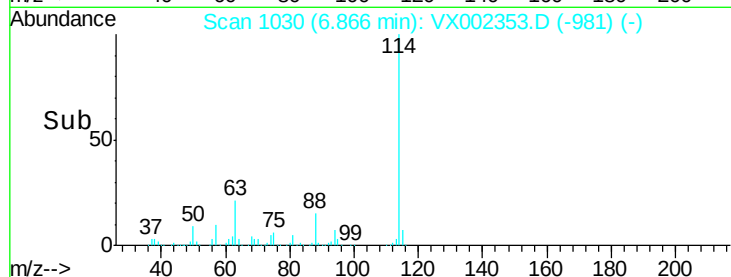
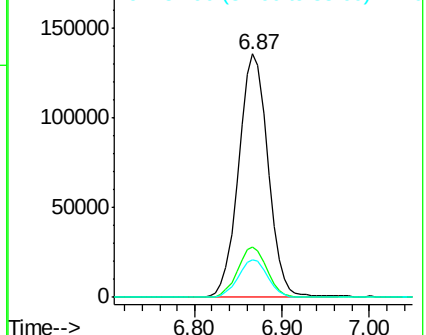
88 15.3 0.0 30.0



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: 45.02 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002353.D

Acq: 06 Jun 2018 15:29

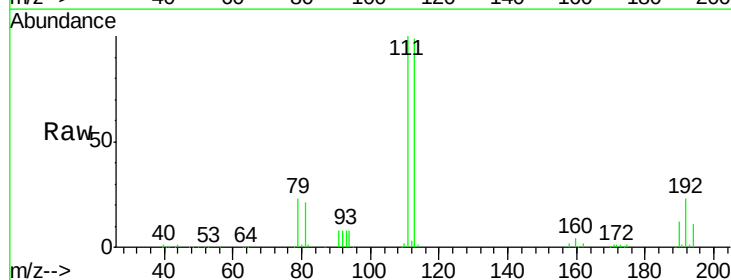
Tgt Ion:113 Resp: 112741

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

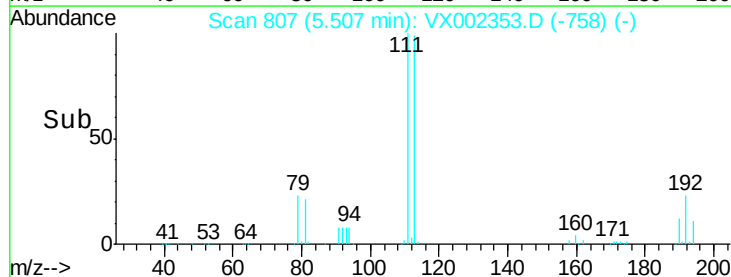
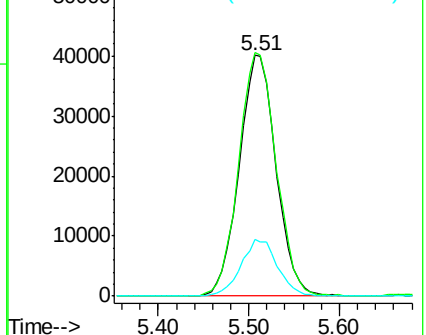
192 23.2 19.1 28.7

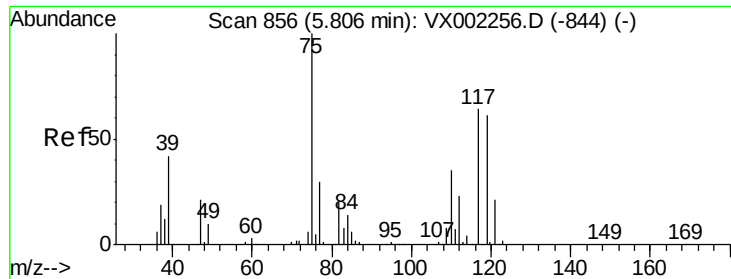


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

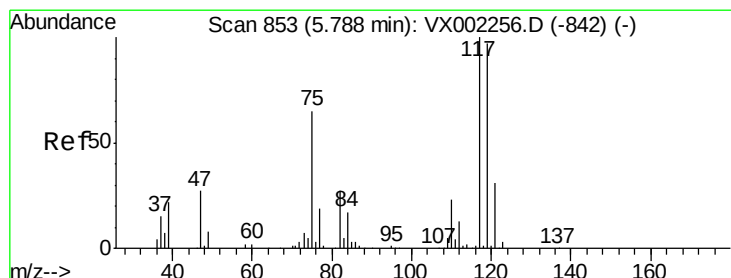
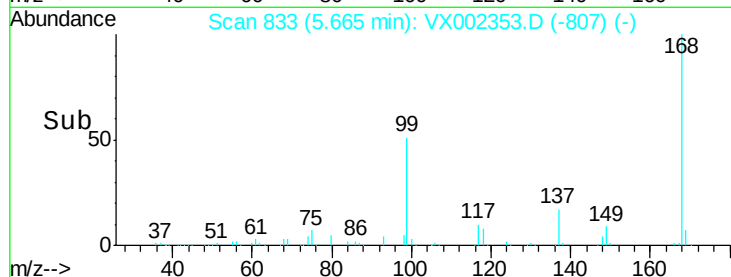
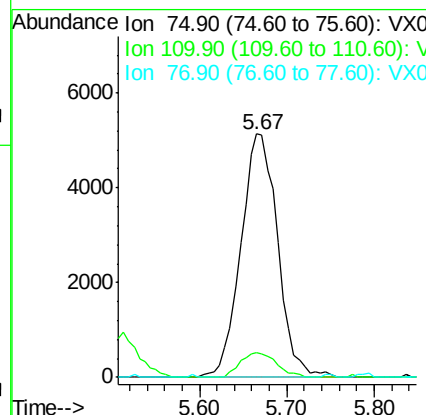
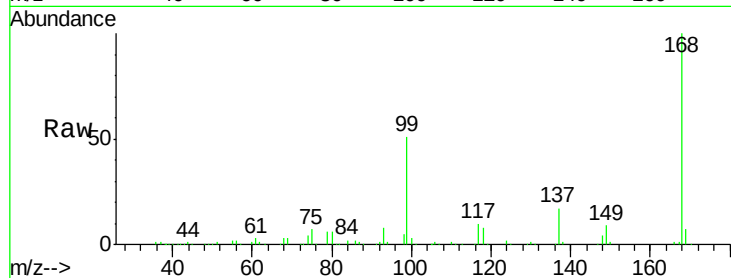




#36
 1,1-Dichloropropene
 Concen: 4.47 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX002353.D
 Acq: 06 Jun 2018 15:29

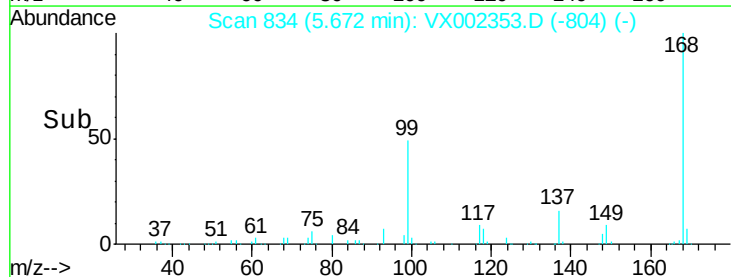
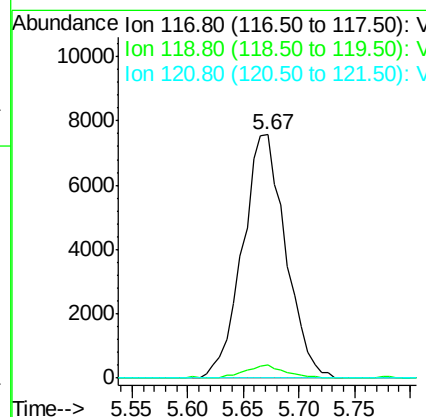
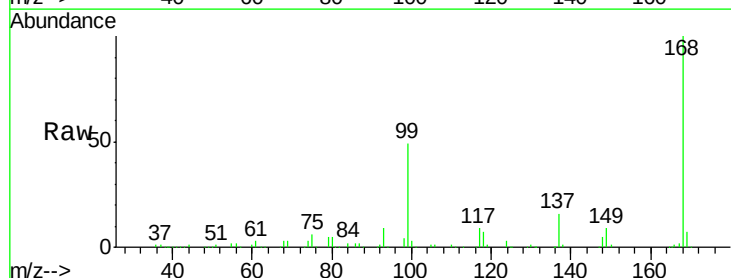
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19

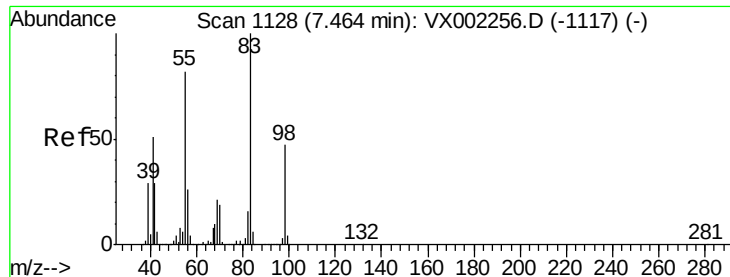
Tot Ion	75	Resp	14975
Ion Ratio	100	Lower	Upper
110	10.1	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.83 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002353.D
 Acq: 06 Jun 2018 15:29

Tgt Ion	117	Resp	20408
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	5.6	77.4	116.0#
121	0.0	24.4	36.6#





#39

Methylvlcyclohexane

Concen: 0.27 ug/l

RT: 7.34 min Scan# 1108

Delta R.T. -0.12 min

Lab File: VX002353.D

Acq: 06 Jun 2018 15:29

Instrument :

MSVOA_X

ClientSampled :

MW-19

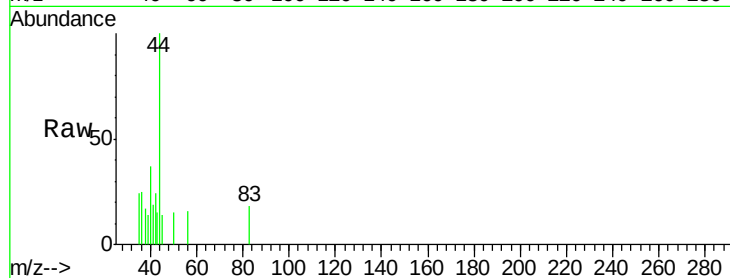
Tot Ion: 83 Resp: 27

Ion Ratio Lower Upper

83 100

55 0.0 65.4 98.0#

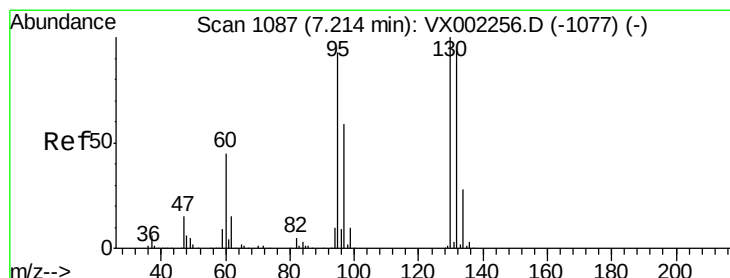
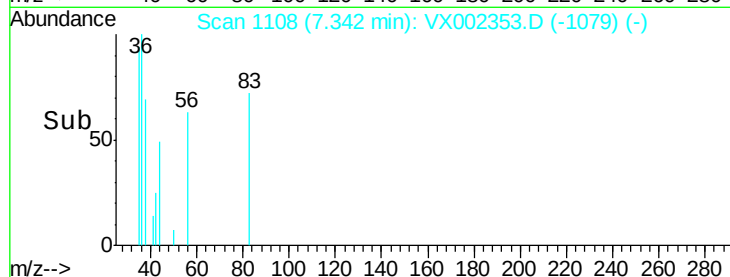
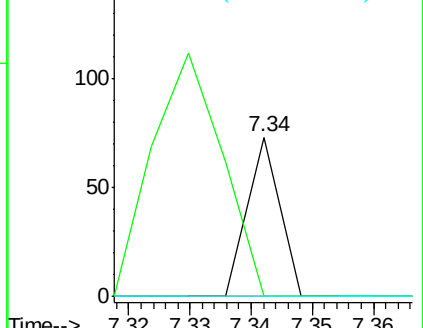
98 0.0 37.4 56.0#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#44

Trichloroethene

Concen: 0.55 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002353.D

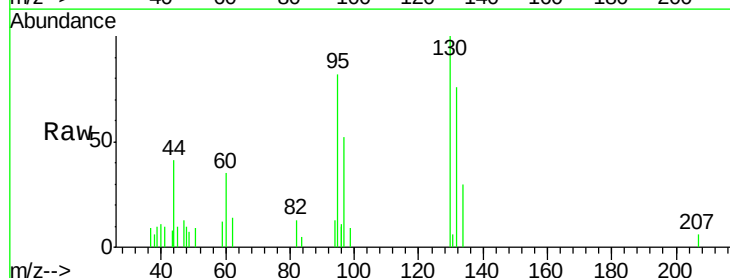
Acq: 06 Jun 2018 15:29

Tgt Ion: 130 Resp: 1553

Ion Ratio Lower Upper

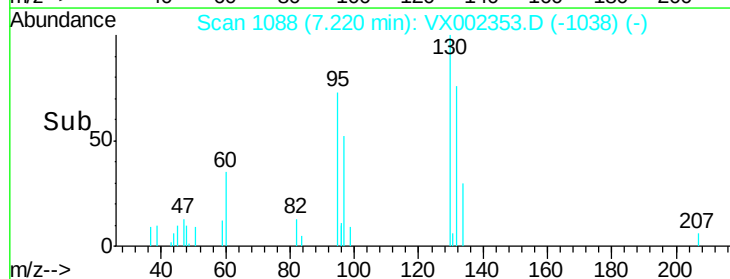
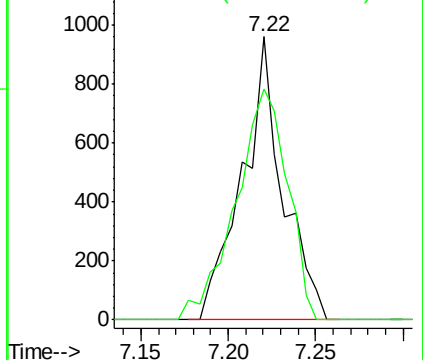
130 100

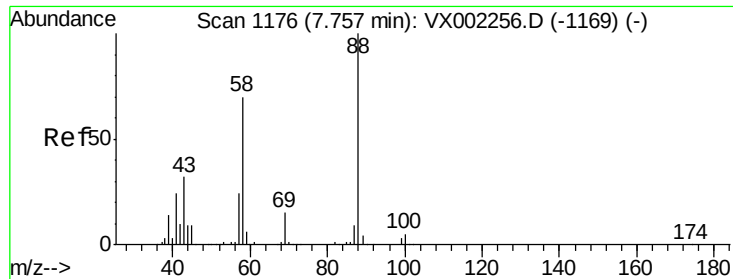
95 81.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

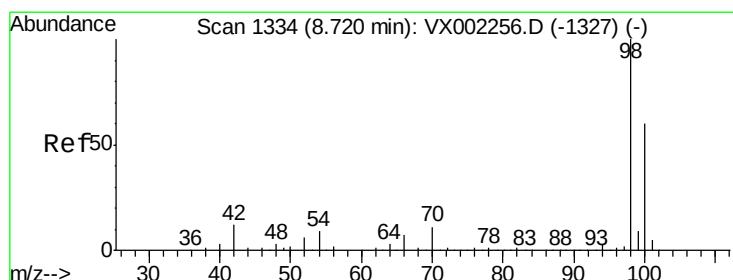
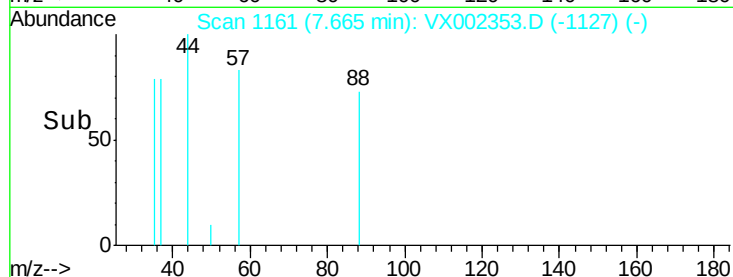
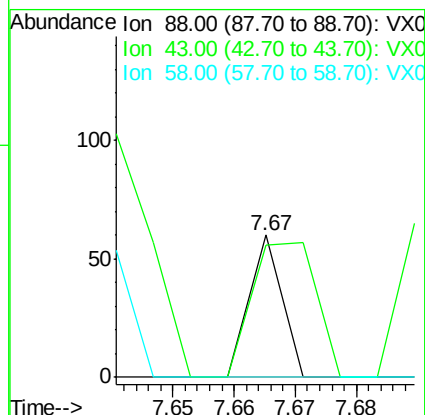
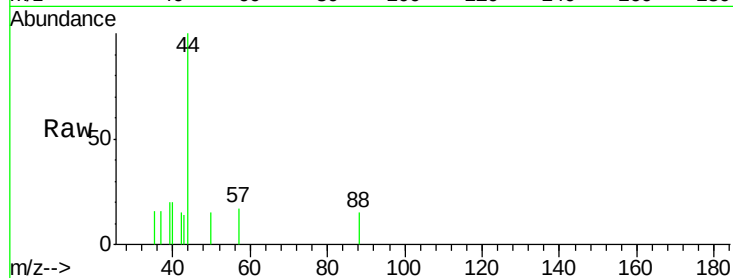




#49
 1,4-Dioxane
 Concen: 0.34 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.09 min
 Lab File: VX002353.D
 Acq: 06 Jun 2018 15:29

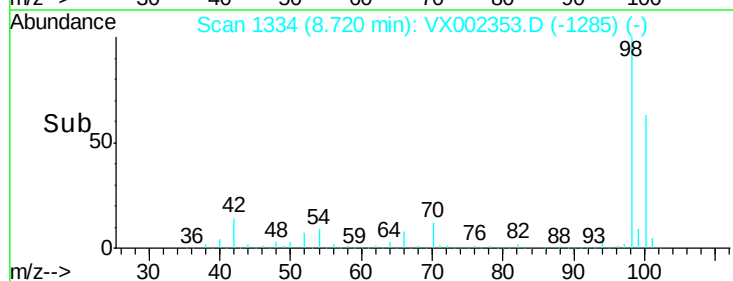
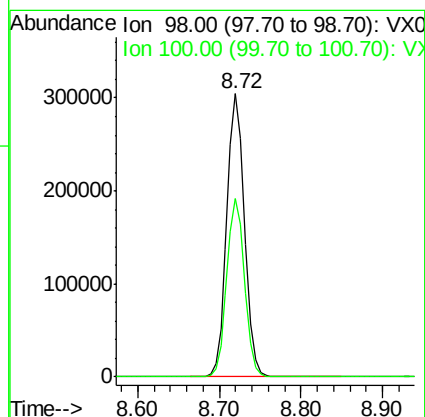
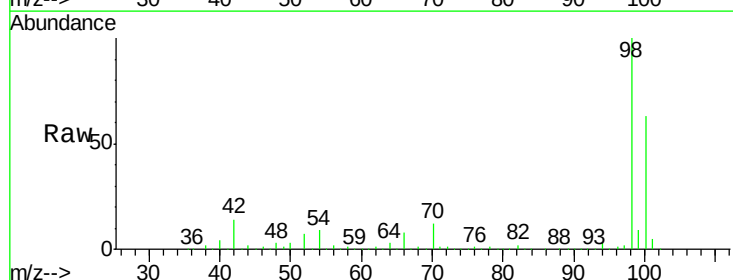
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19

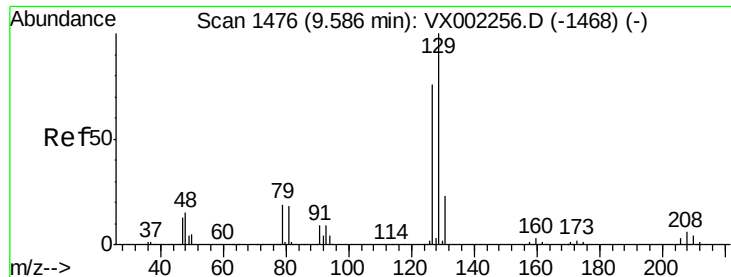
Tot Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 186.4 29.8 44.6#
 58 0.0 57.1 85.7#



#50
 Toluene-d8
 Concen: 47.56 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX002353.D
 Acq: 06 Jun 2018 15:29

Tgt Ion: 98 Resp: 456514
 Ion Ratio Lower Upper
 98 100
 100 63.3 50.9 76.3

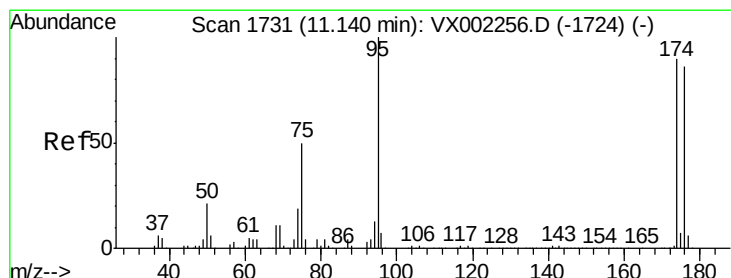
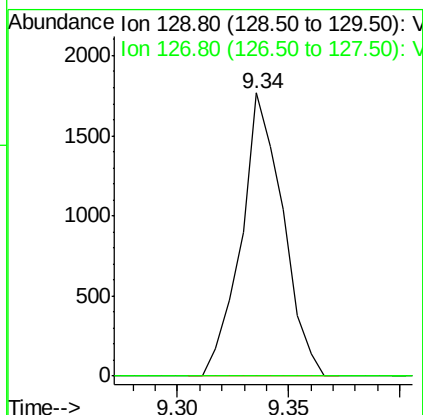
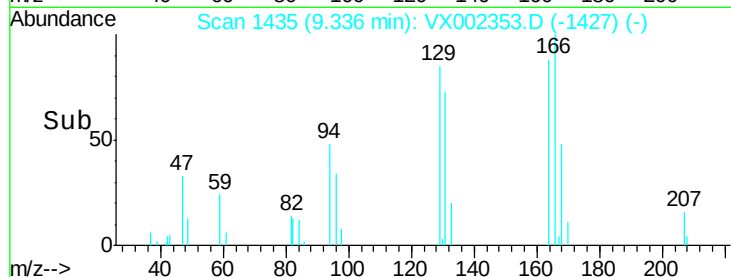
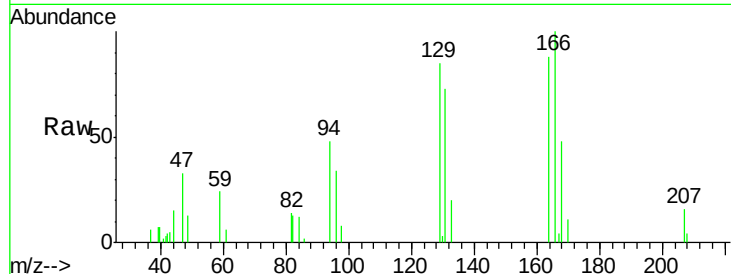




#60
 Dibromochloromethane
 Concen: 0.85 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.25 min
 Lab File: VX002353.D
 Acq: 06 Jun 2018 15:29

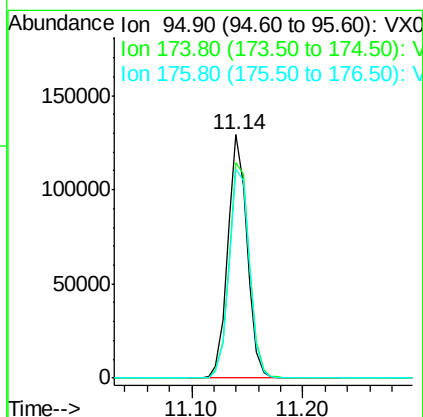
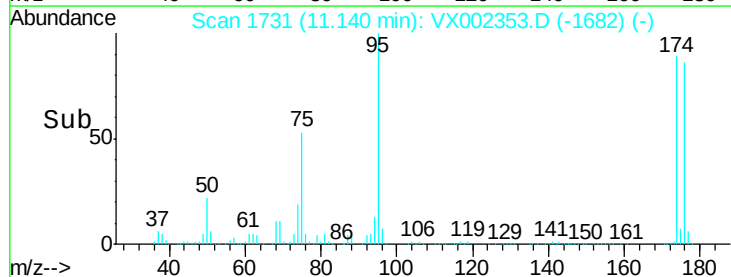
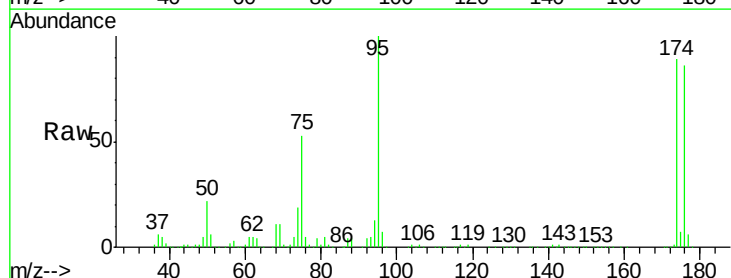
Instrument :
 MSVOA_X
 ClientSampled :
 MW-19

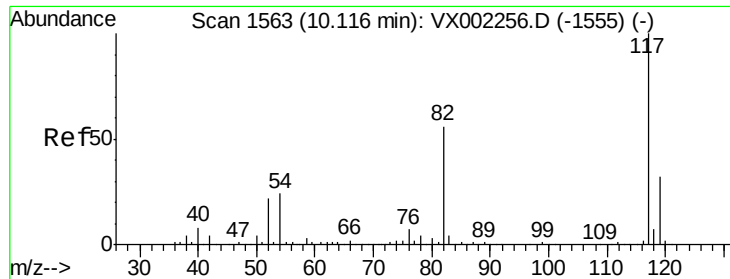
Tot Ion:129 Resp: 2307
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#



#62
 4-Bromofluorobenzene
 Concen: 41.74 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX002353.D
 Acq: 06 Jun 2018 15:29

Tgt Ion: 95 Resp: 154498
 Ion Ratio Lower Upper
 95 100
 174 93.3 0.0 187.4
 176 90.2 0.0 181.0

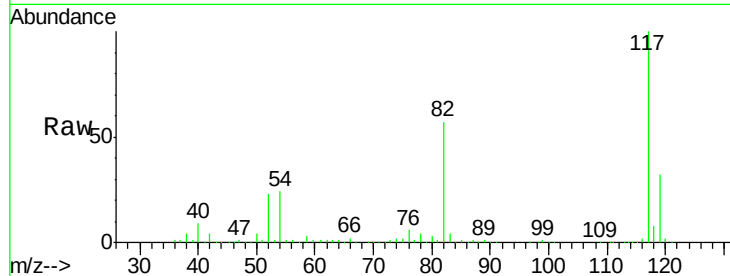




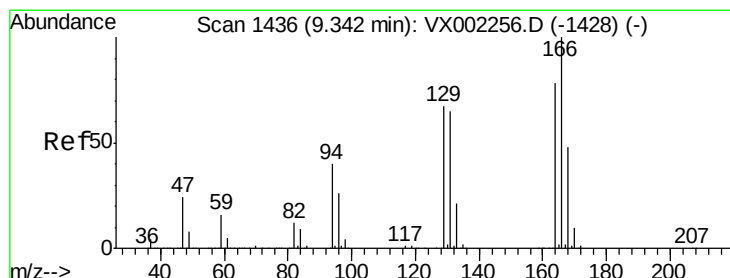
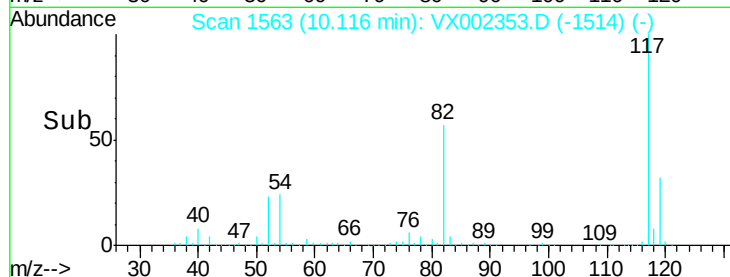
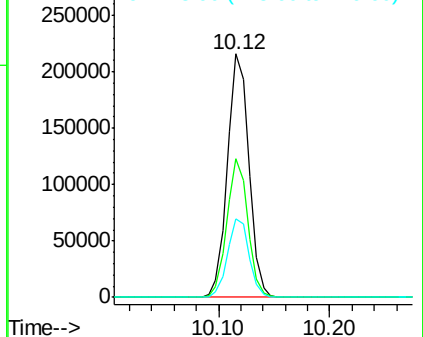
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002353.D
Acq: 06 Jun 2018 15:29

Instrument :
MSVOA_X
ClientSampleId :
MW-19

Tot Ion:117 Resp: 289018
Ion Ratio Lower Upper
117 100
82 56.9 45.0 67.4
119 32.2 25.8 38.6

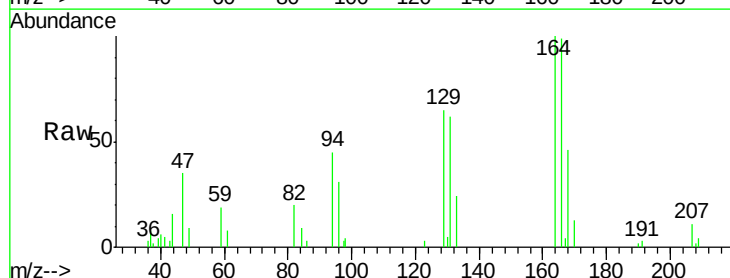


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

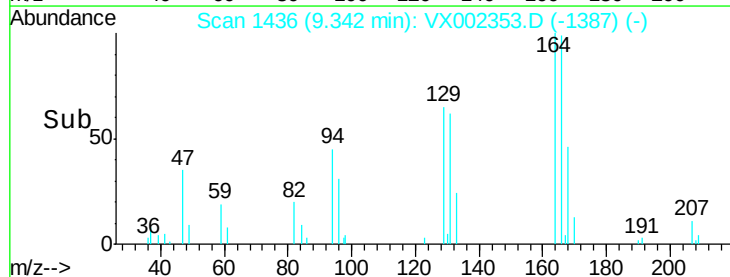
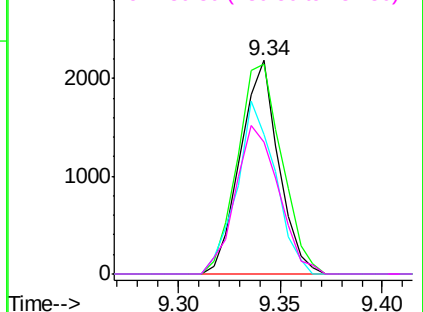


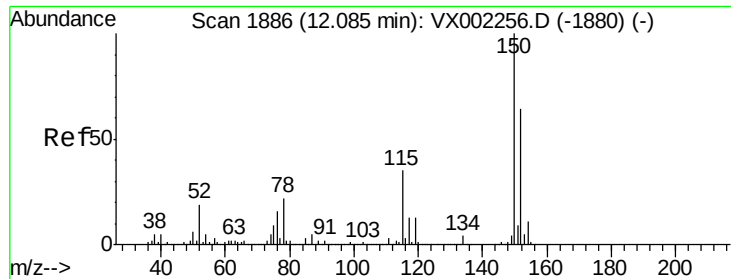
#64
Tetrachloroethene
Concen: 0.95 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002353.D
Acq: 06 Jun 2018 15:29

Tgt Ion:164 Resp: 2844
Ion Ratio Lower Upper
164 100
166 98.6 102.9 154.3#
129 65.4 68.6 102.8#
131 61.6 66.8 100.2#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



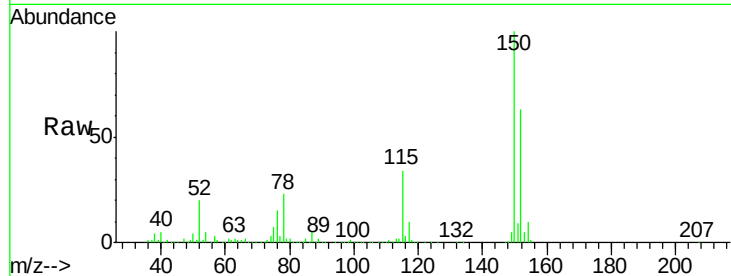


#72

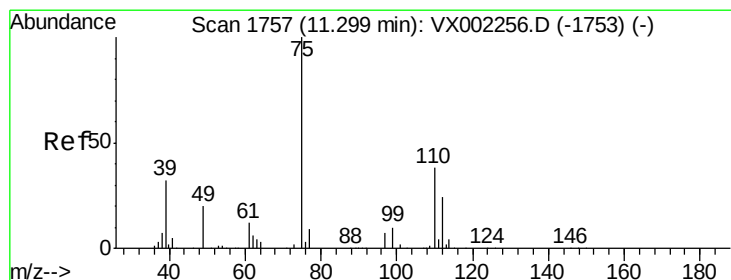
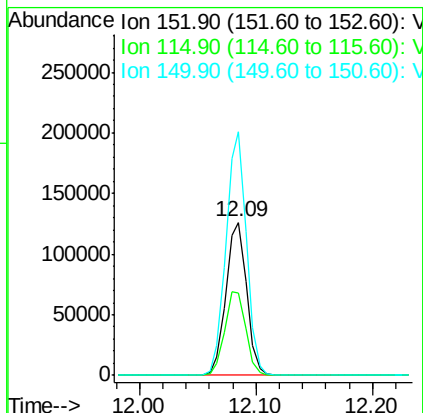
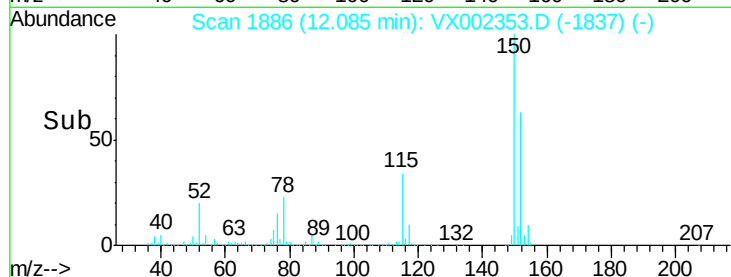
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002353.D
Acq: 06 Jun 2018 15:29

Instrument :
MSVOA_X
ClientSampled :
MW-19

Tot Ion:152 Resp: 155045
Ion Ratio Lower Upper
152 100
115 55.7 40.1 120.2
150 157.0 0.0 347.2



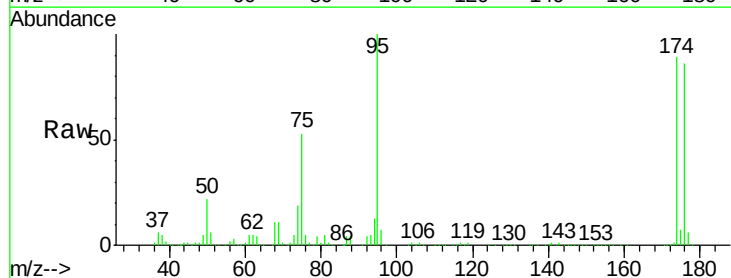
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



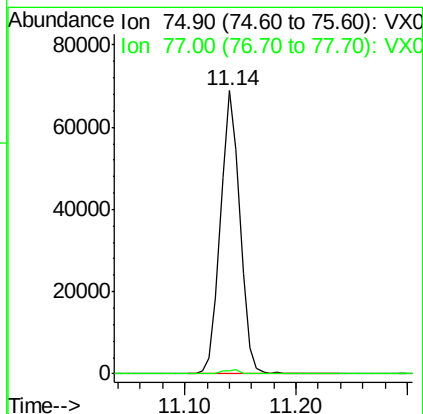
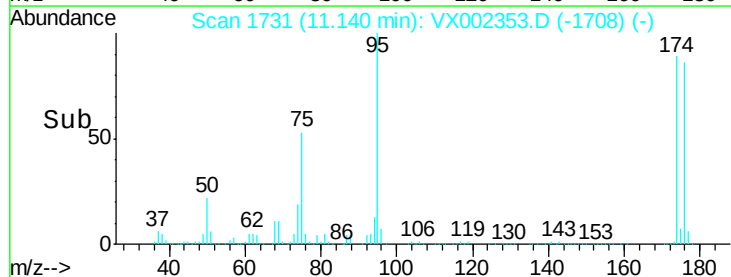
#76

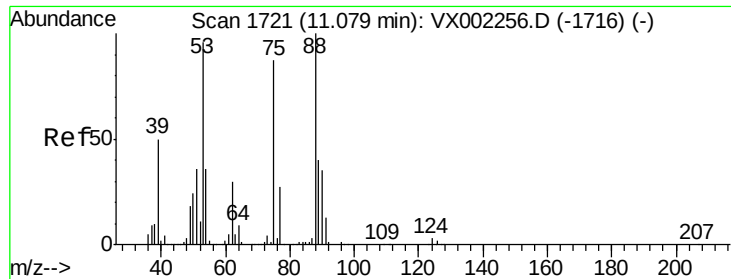
1,2,3-Trichloropropane
Concen: 24.50 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX002353.D
Acq: 06 Jun 2018 15:29

Tgt Ion: 75 Resp: 83339
Ion Ratio Lower Upper
75 100
77 1.4 22.8 68.3#



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: 85.87 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002353.D
 Acq: 06 Jun 2018 15:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19

Tot Ion: 75 Resp: 83339
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.0 38.2 57.2#

