

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032819\
 Data File : VX008525.D
 Acq On : 28 Mar 2019 17:23
 Operator : JC/SP
 Sample : K2121-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9

Quant Time: Mar 29 01:31:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	226051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383838	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	329889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139490	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	160026	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
35) Dibromofluoromethane	5.49	113	117320	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
50) Toluene-d8	8.71	98	481889	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	11.13	95	162455	43.81	ug/l	0.00
Spiked Amount			Recovery	=	87.62%	

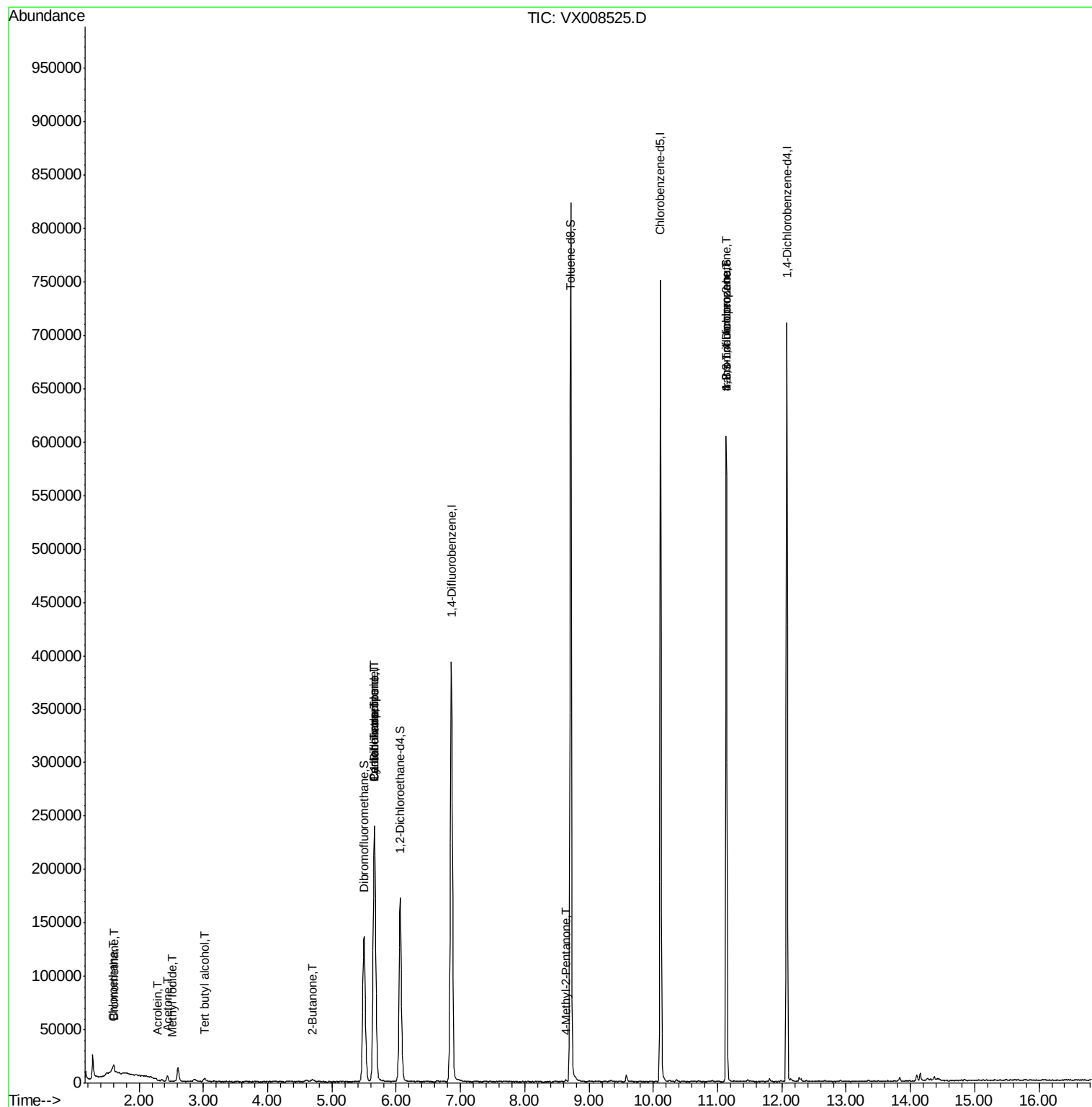
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	274	Below Cal	#	74
5) Bromomethane	1.62	94	125	1.870	ug/l #	80
6) Chloroethane	1.59	64	23289	10.567	ug/l #	47
10) Methyl Iodide	2.52	142	40	4.144	ug/l #	88
11) Tert butyl alcohol	3.01	59	1995	2.628	ug/l #	79
13) Acrolein	2.29	56	553	1.003	ug/l #	43
16) Acetone	2.44	43	6117	3.415	ug/l	96
17) Carbon Disulfide	2.57	76	901	Below Cal	#	80
20) Methylene Chloride	2.87	84	944	Below Cal	#	67
21) trans-1,2-Dichloroethene	3.16	96	19	Below Cal	#	1
25) 2-Butanone	4.68	43	733	0.255	ug/l #	40
31) Cyclohexane	5.66	56	5316	0.968	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18981	4.638	ug/l #	51
38) Carbon Tetrachloride	5.66	117	22405	6.560	ug/l #	16
51) 4-Methyl-2-Pentanone	8.64	43	1402	0.255	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	82853	19.979	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	82853	63.991	ug/l #	9

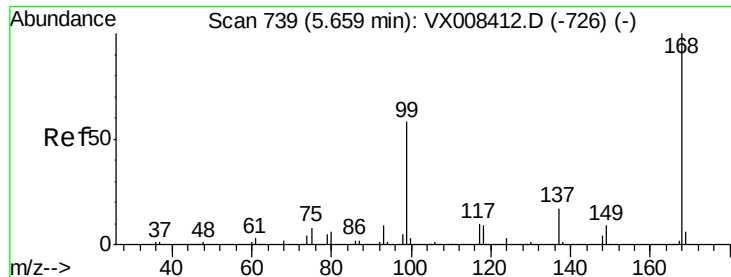
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008525.D

Acq: 28 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

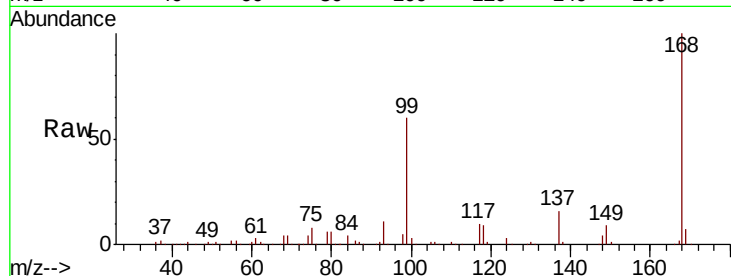
MW-9

Tot Ion:168 Resp: 226051

Ion Ratio Lower Upper

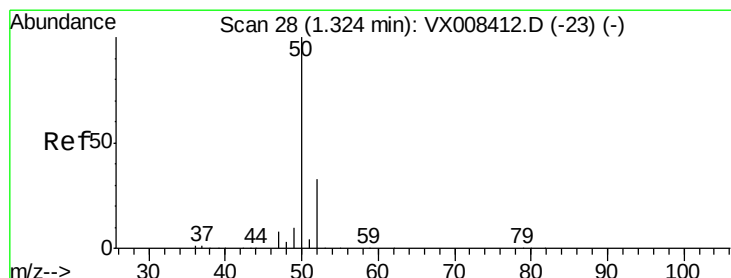
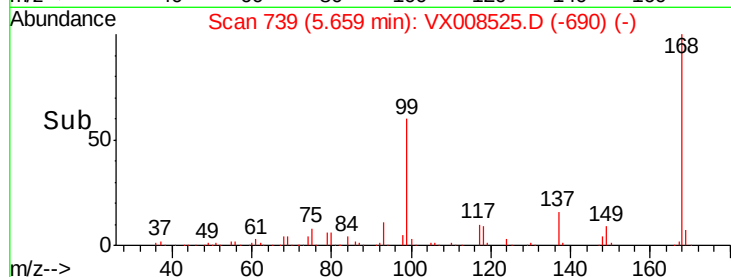
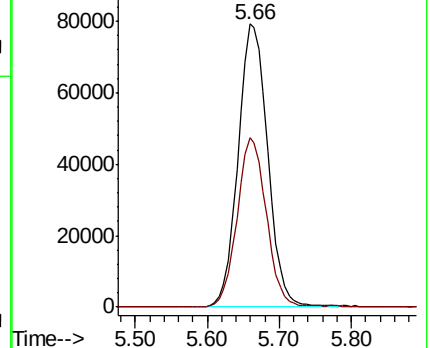
168 100

99 59.9 46.0 69.0



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# 29

Delta R.T. 0.01 min

Lab File: VX008525.D

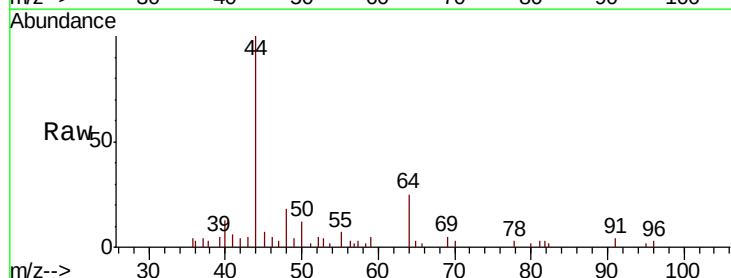
Acq: 28 Mar 2019 17:23

Tgt Ion: 50 Resp: 274

Ion Ratio Lower Upper

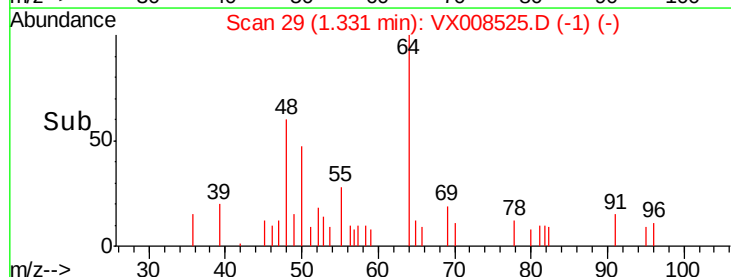
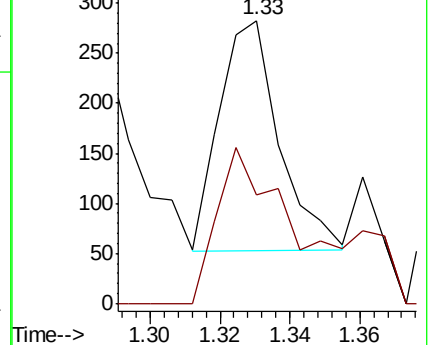
50 100

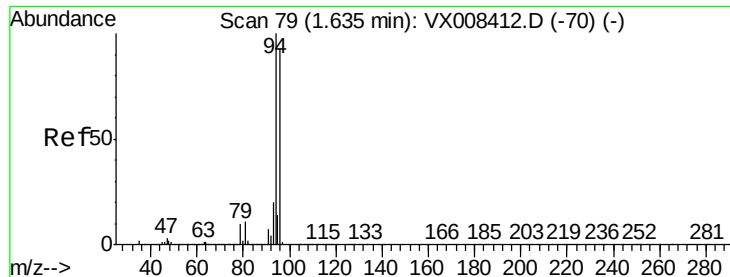
52 47.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.870 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.02 min

Lab File: VX008525.D

Acq: 28 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampled :

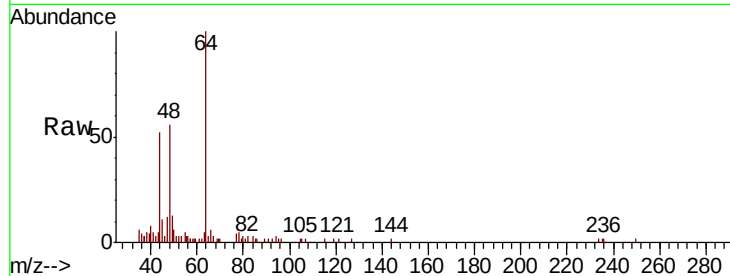
MW-9

Tot Ion: 94 Resp: 125

Ion Ratio Lower Upper

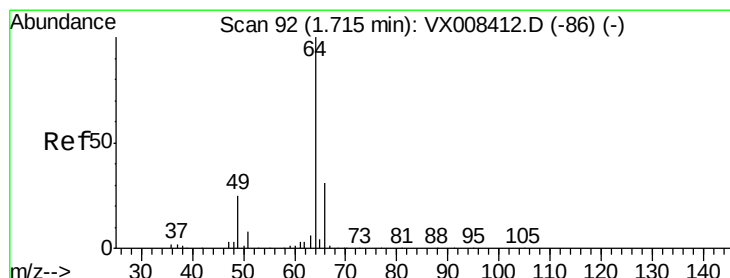
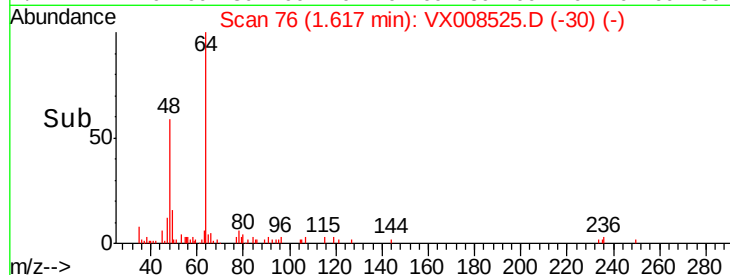
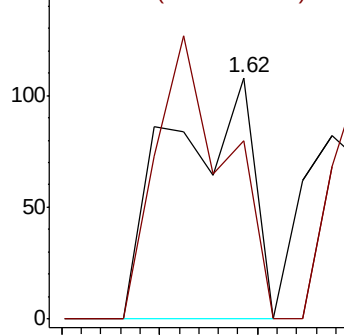
94 100

96 74.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 10.567 ug/l

RT: 1.59 min Scan# 71

Delta R.T. -0.13 min

Lab File: VX008525.D

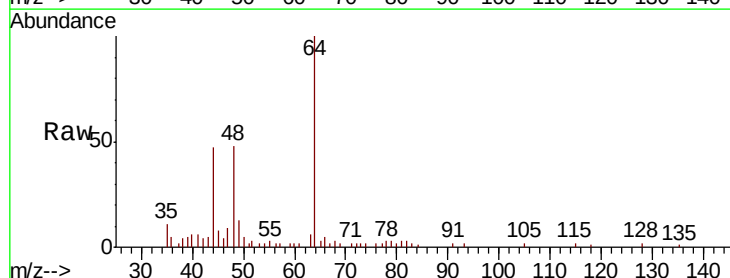
Acq: 28 Mar 2019 17:23

Tgt Ion: 64 Resp: 23289

Ion Ratio Lower Upper

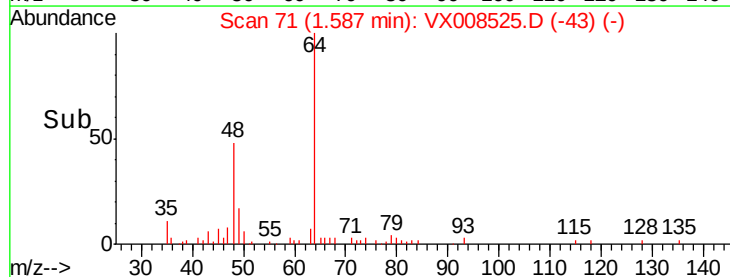
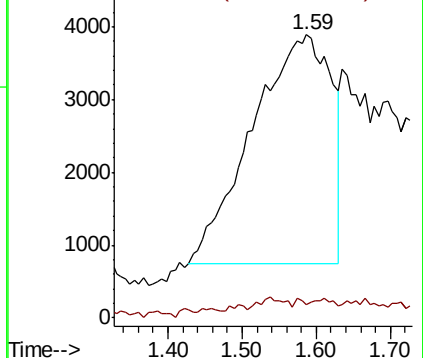
64 100

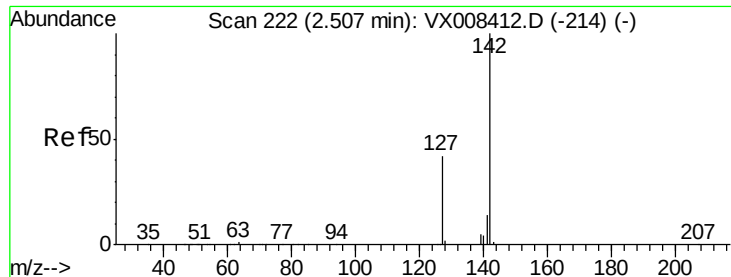
66 2.4 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

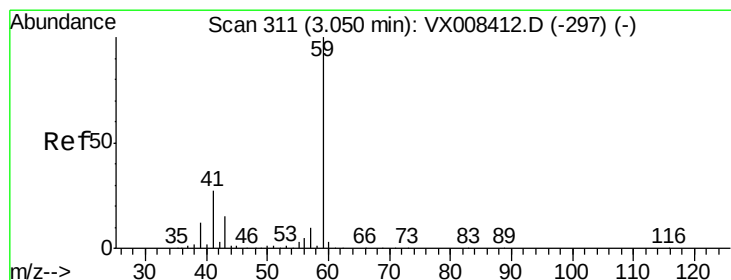
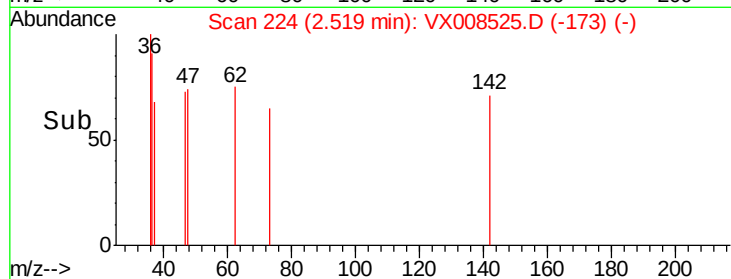
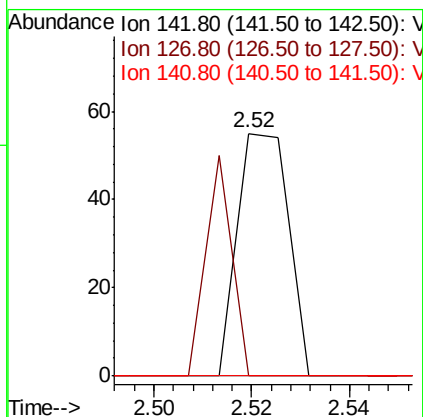
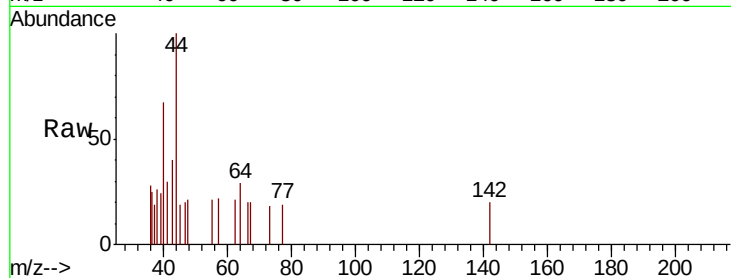




#10
Methvl Iodide
Concen: 4.144 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008525.D
Acq: 28 Mar 2019 17:23

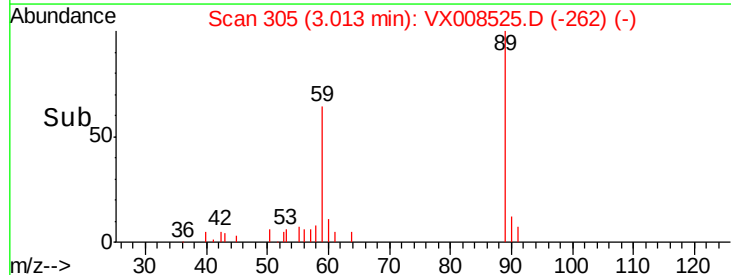
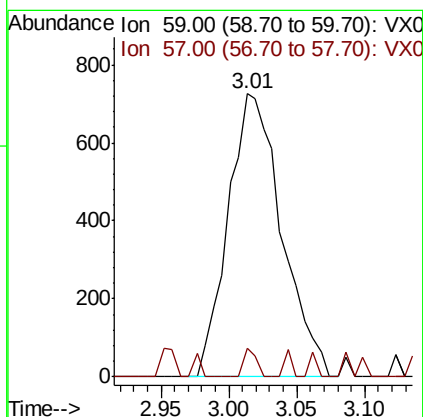
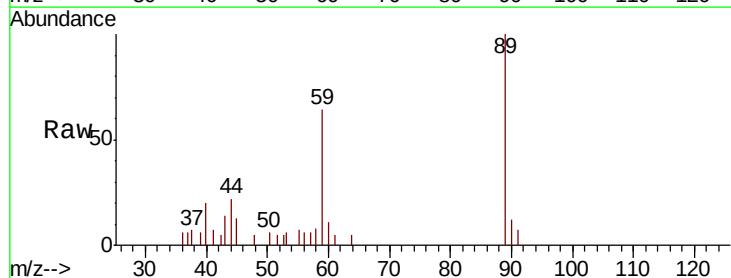
Instrument :
MSVOA_X
ClientSampleId :
MW-9

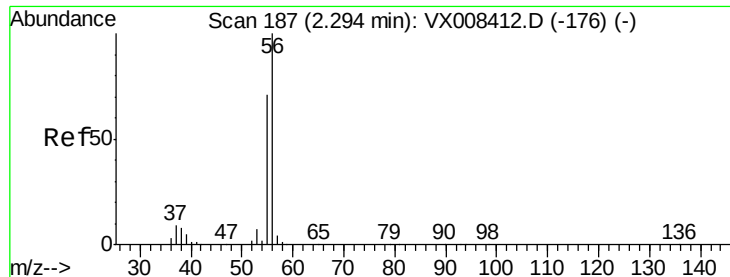
Tot Ion:142 Resp: 40
Ion Ratio Lower Upper
142 100
127 45.0 33.6 50.4
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 2.628 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008525.D
Acq: 28 Mar 2019 17:23

Tgt Ion: 59 Resp: 1995
Ion Ratio Lower Upper
59 100
57 2.3 8.2 12.4#





#13

Acrolein

Concen: 1.003 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008525.D

Acq: 28 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampled :

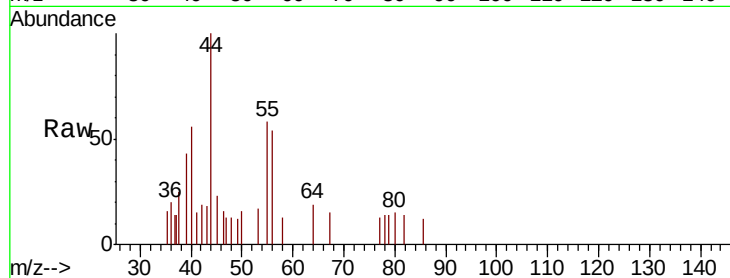
MW-9

Tot Ion: 56 Resp: 553

Ion Ratio Lower Upper

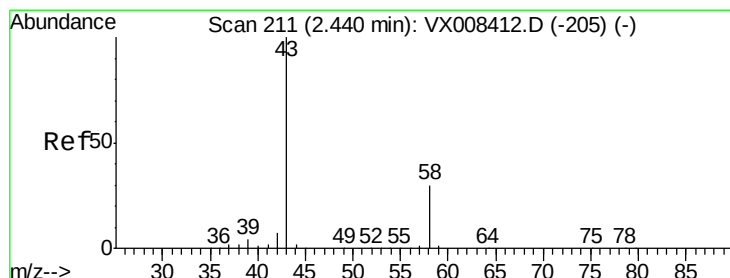
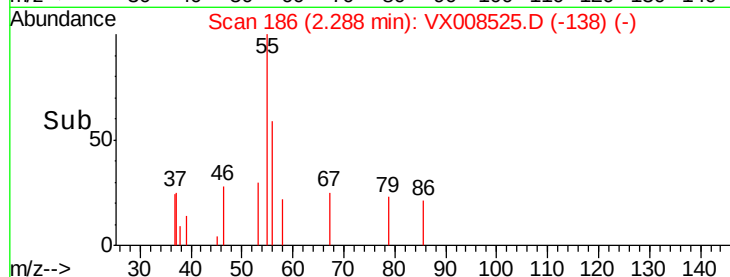
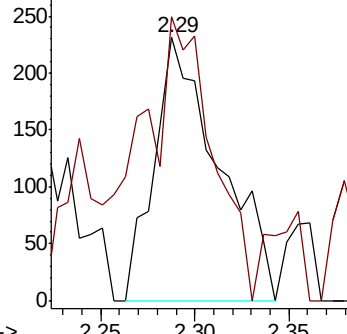
56 100

55 117.7 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.415 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008525.D

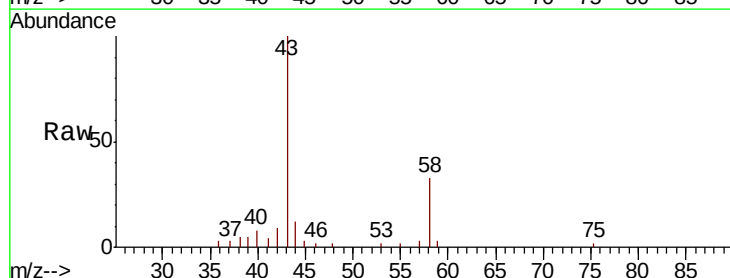
Acq: 28 Mar 2019 17:23

Tgt Ion: 43 Resp: 6117

Ion Ratio Lower Upper

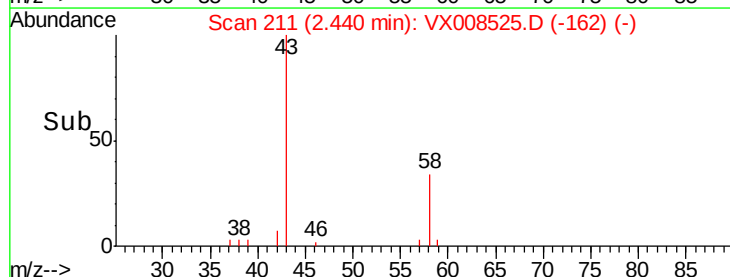
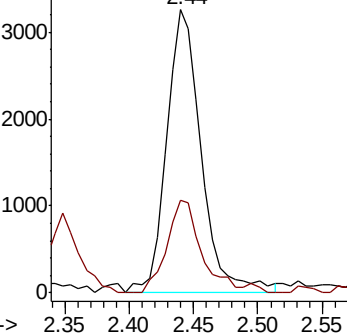
43 100

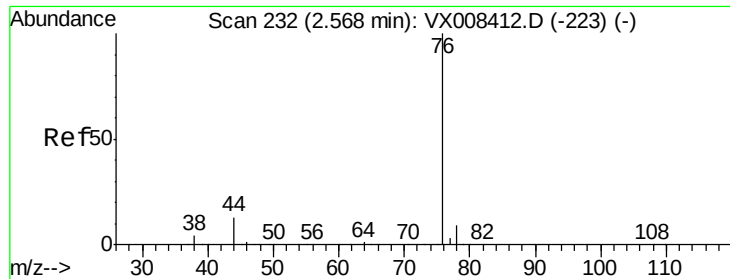
58 32.5 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008525.D

Acq: 28 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampled :

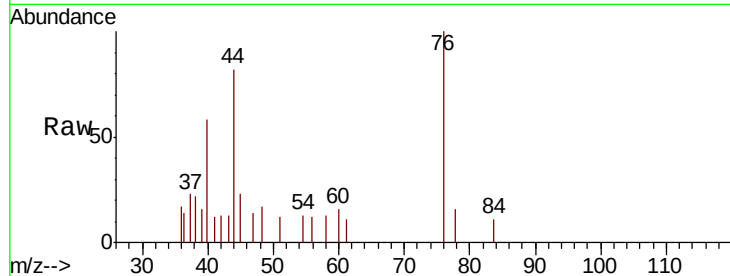
MW-9

Tot Ion: 76 Resp: 901

Ion Ratio Lower Upper

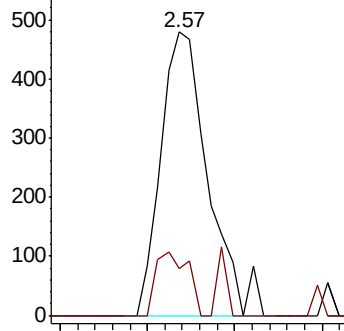
76 100

78 16.5 7.4 11.2#

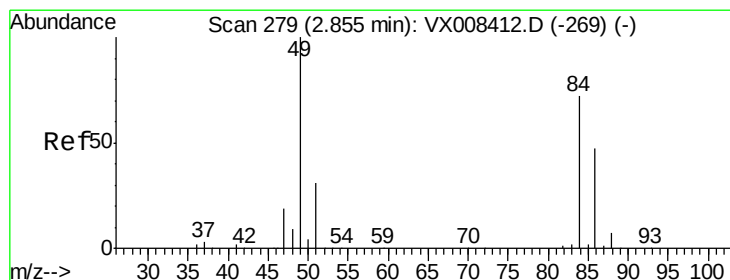
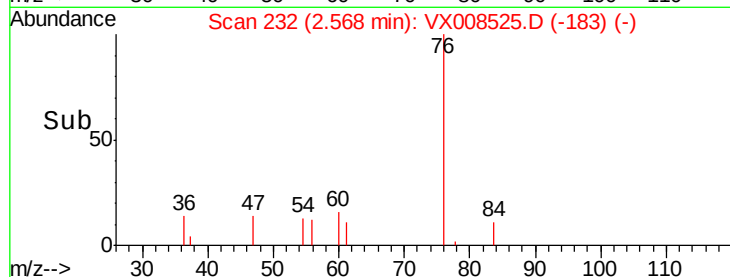


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time--> 2.50 2.55 2.60 2.65



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX008525.D

Acq: 28 Mar 2019 17:23

Tgt Ion: 84 Resp: 944

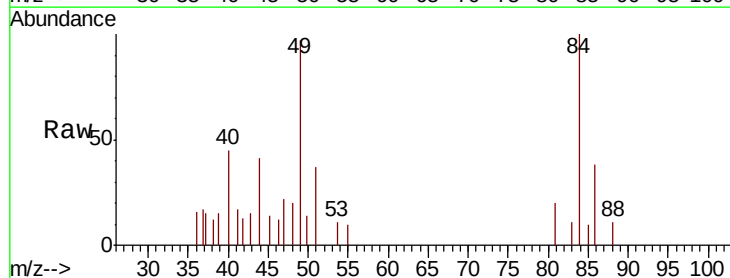
Ion Ratio Lower Upper

84 100

49 96.6 110.6 165.8#

51 25.5 33.9 50.9#

86 37.7 52.2 78.2#

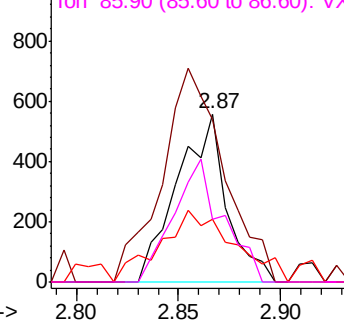


Abundance Ion 83.90 (83.60 to 84.60): VX0

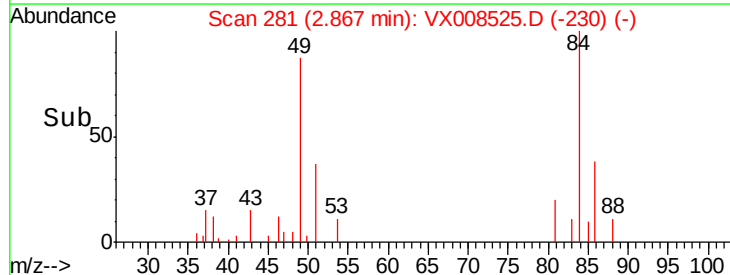
Ion 48.90 (48.60 to 49.60): VX0

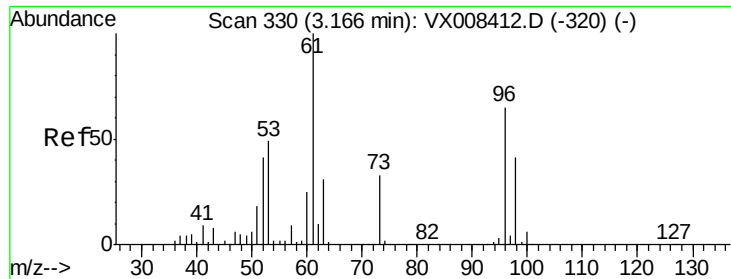
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time--> 2.80 2.85 2.90





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008525.D

Acq: 28 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

MW-9

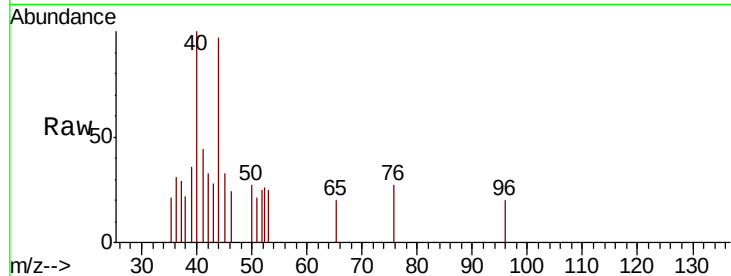
Tot Ion: 96 Resp: 19

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

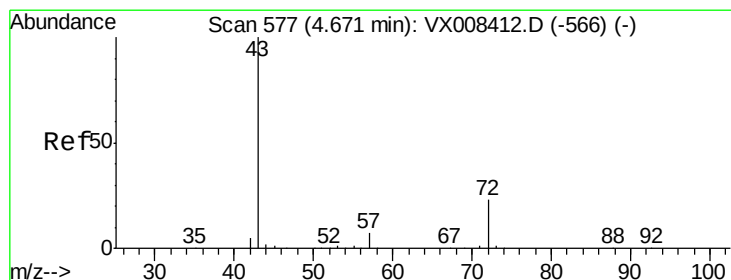
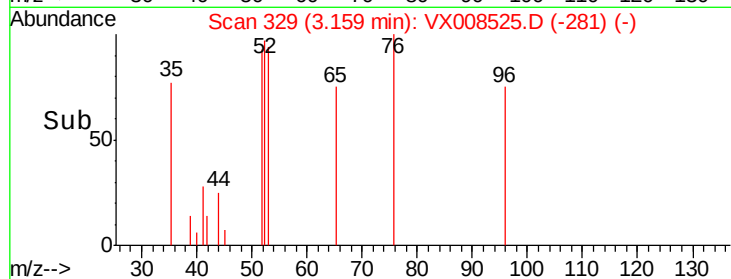
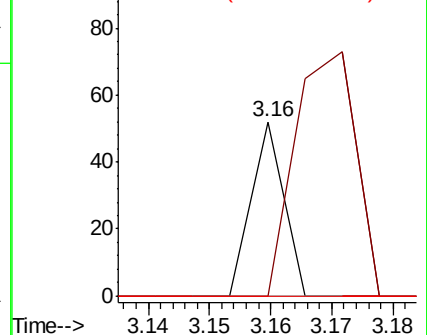
98 0.0 50.9 76.3#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.255 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008525.D

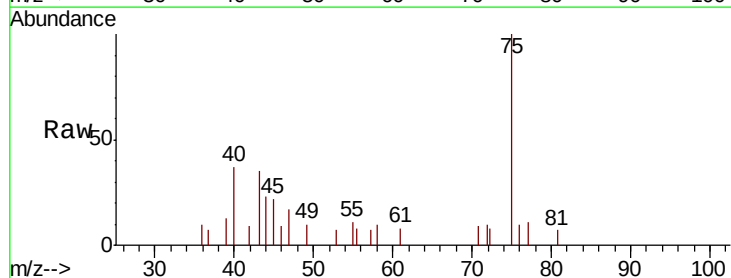
Acq: 28 Mar 2019 17:23

Tgt Ion: 43 Resp: 733

Ion Ratio Lower Upper

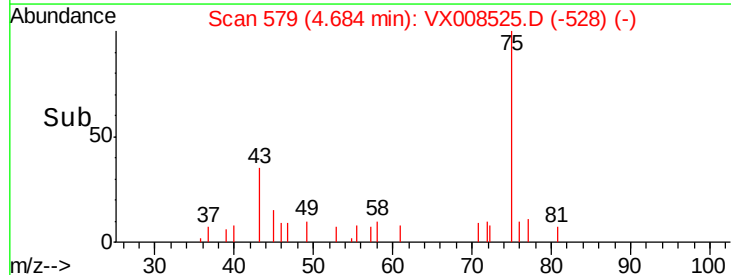
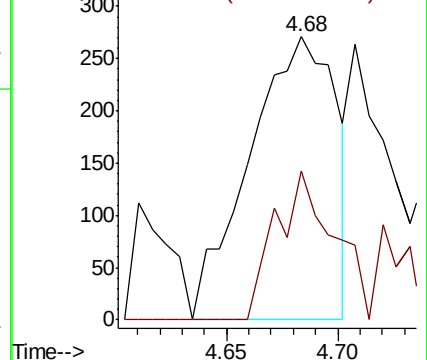
43 100

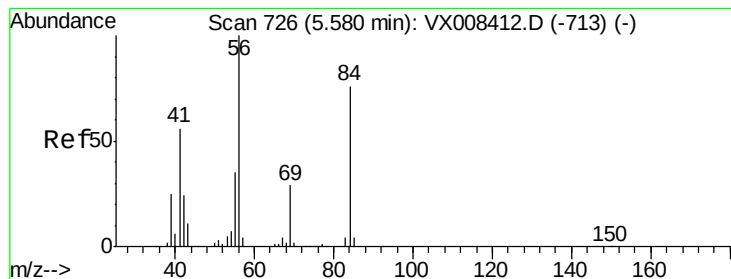
72 52.8 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 0.968 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008525.D

Acq: 28 Mar 2019 17:23

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MW-9

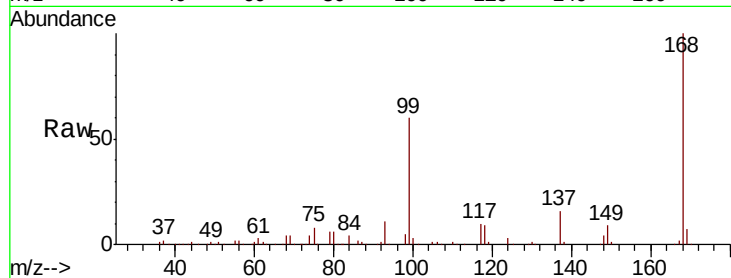
Tot Ion: 56 Resp: 5316

Ion Ratio Lower Upper

56 100

69 179.6 23.2 34.8#

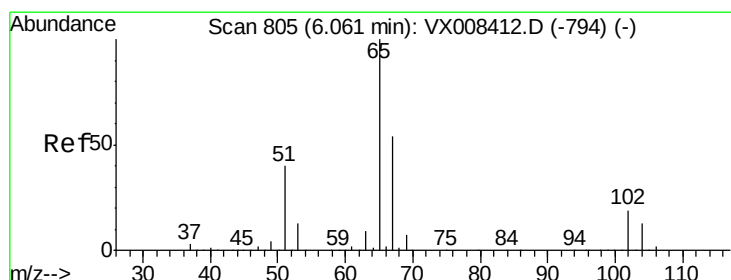
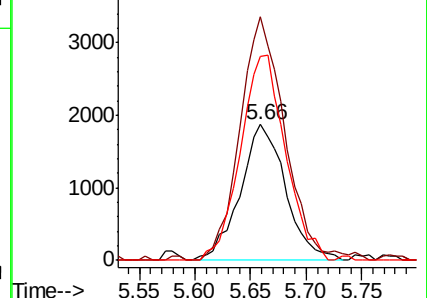
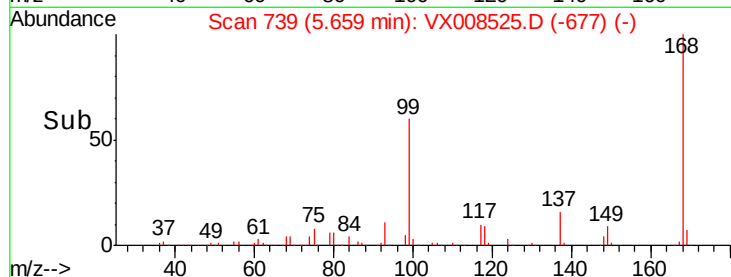
84 150.7 60.7 91.1#



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: 46.696 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008525.D

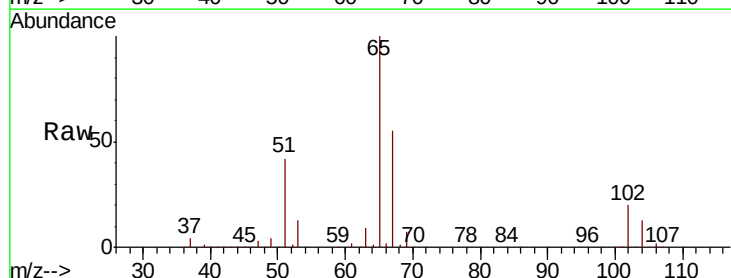
Acq: 28 Mar 2019 17:23

Tgt Ion: 65 Resp: 160026

Ion Ratio Lower Upper

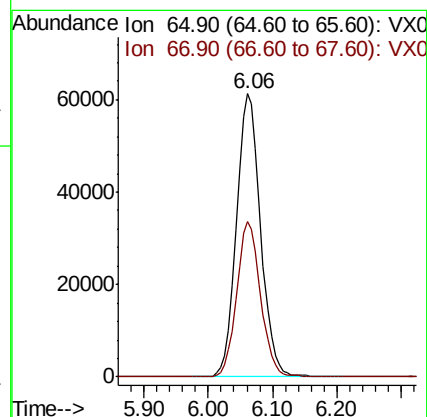
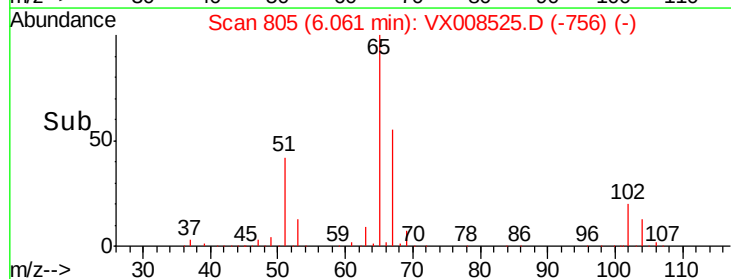
65 100

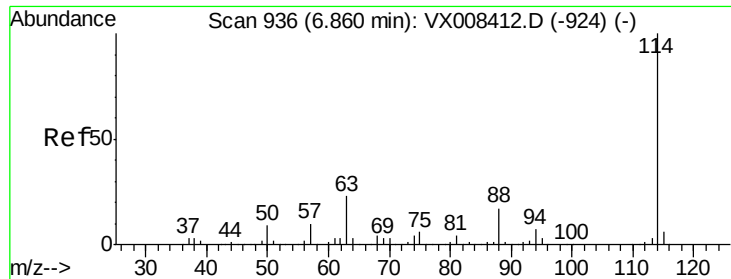
67 54.2 0.0 109.4



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. -0.00 min

Lab File: VX008525.D

Acq: 28 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

MW-9

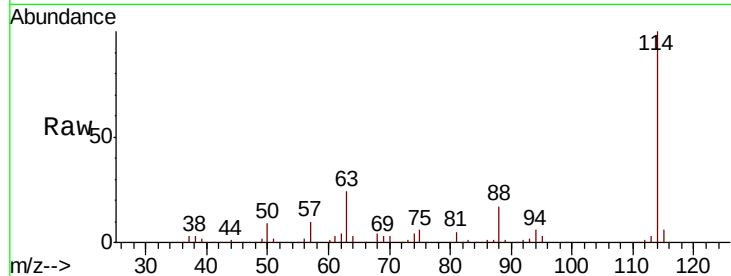
Tot Ion:114 Resp: 383838

Ion Ratio Lower Upper

114 100

63 24.4 0.0 46.4

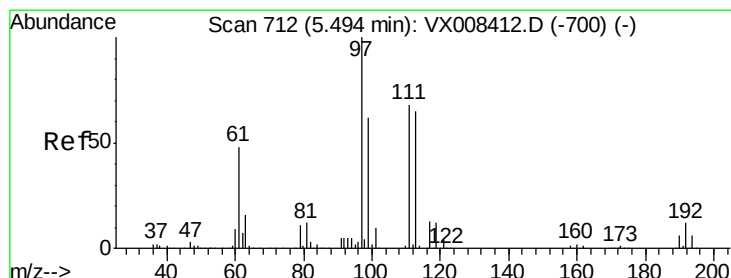
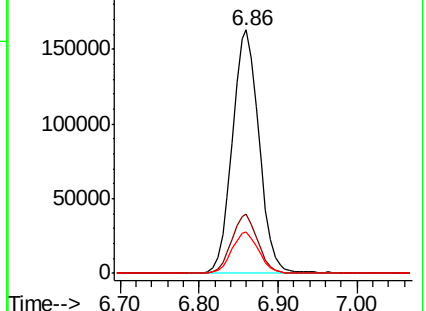
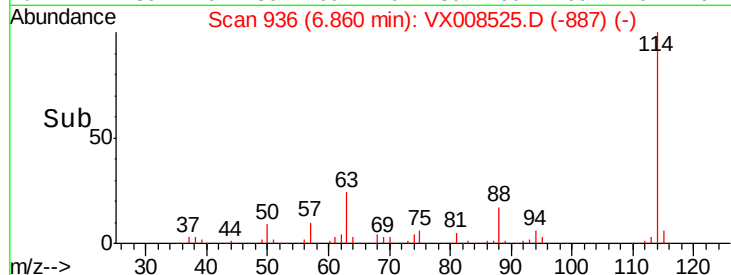
88 17.2 0.0 33.2



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: 46.875 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008525.D

Acq: 28 Mar 2019 17:23

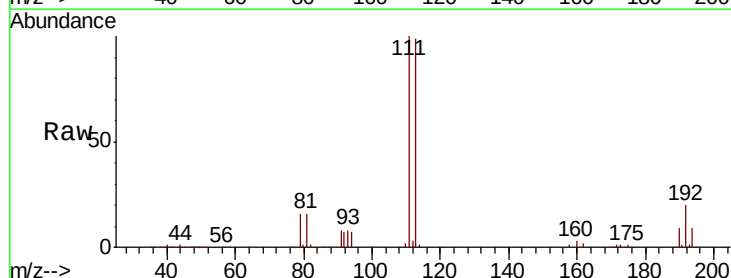
Tgt Ion:113 Resp: 117320

Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.4

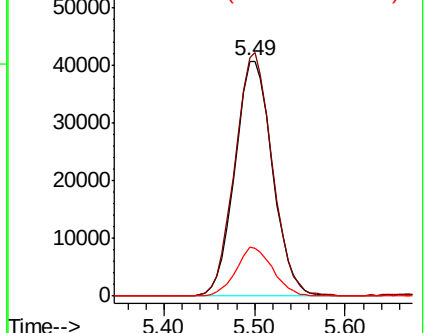
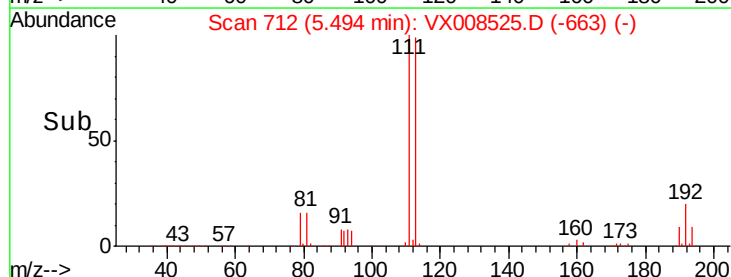
192 20.4 15.6 23.4

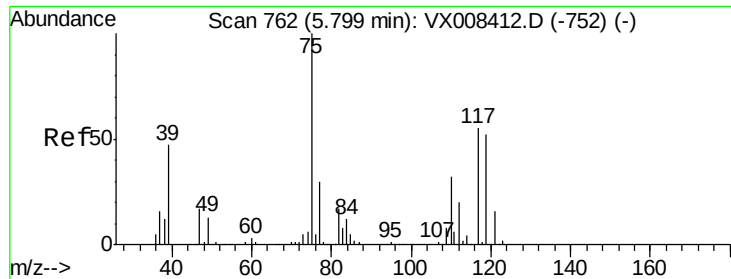


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

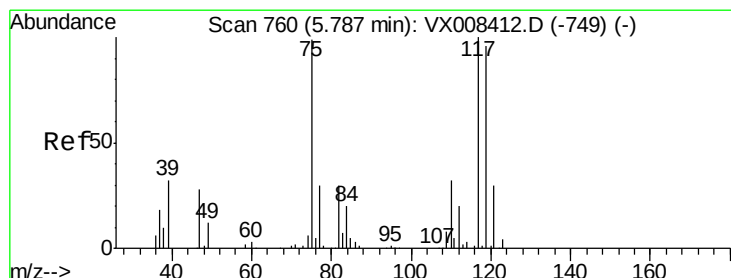
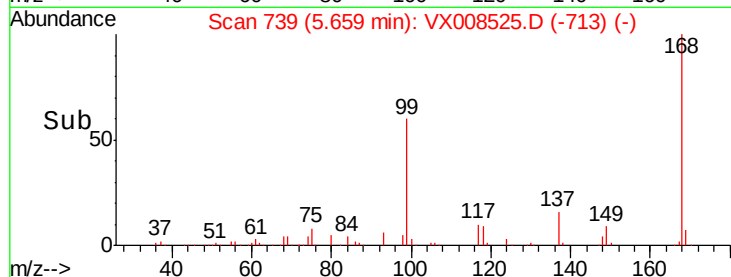
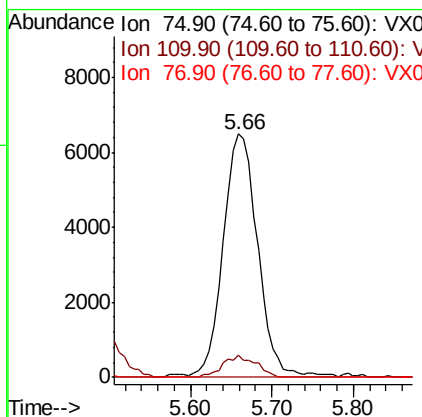
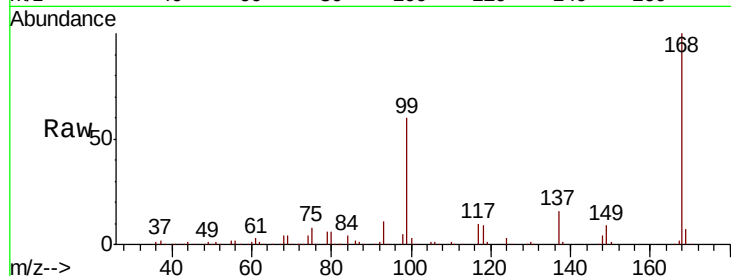




#36
 1,1-Dichloropropene
 Concen: 4.638 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008525.D
 Acq: 28 Mar 2019 17:23

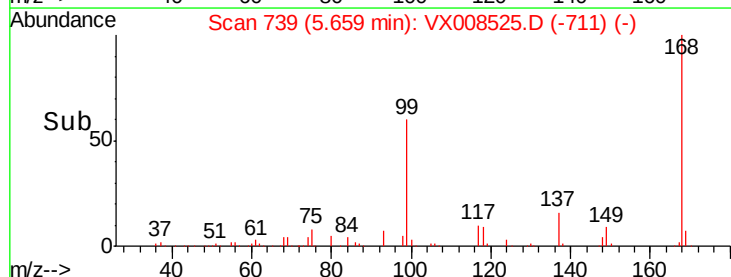
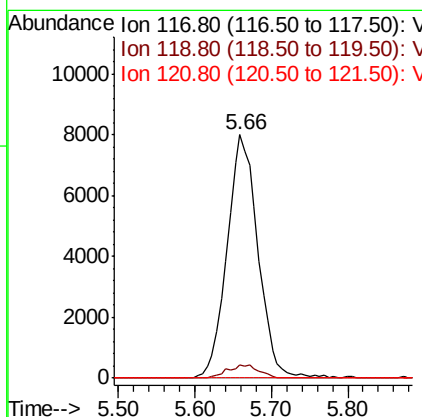
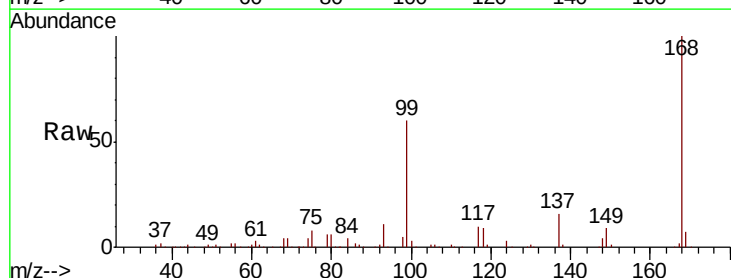
Instrument :
 MSVOA_X
 ClientSampled :
 MW-9

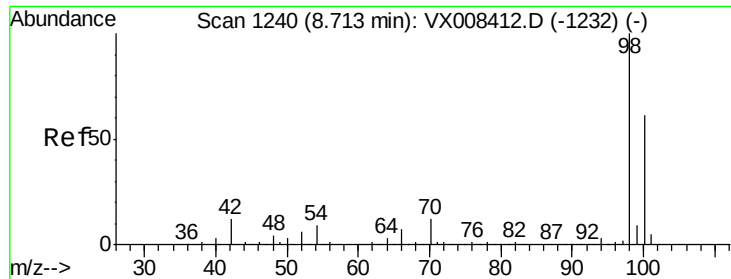
Tot Ion	75	Resp	18981
Ion Ratio	Lower	Upper	
75	100		
110	8.7	16.6	49.7#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.560 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008525.D
 Acq: 28 Mar 2019 17:23

Tgt Ion	117	Resp	22405
Ion Ratio	Lower	Upper	
117	100		
119	5.4	76.7	115.1#
121	0.0	24.3	36.5#

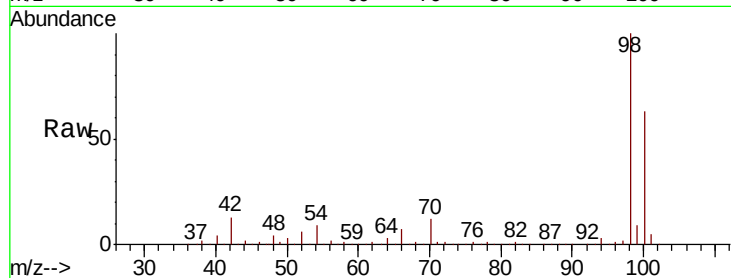




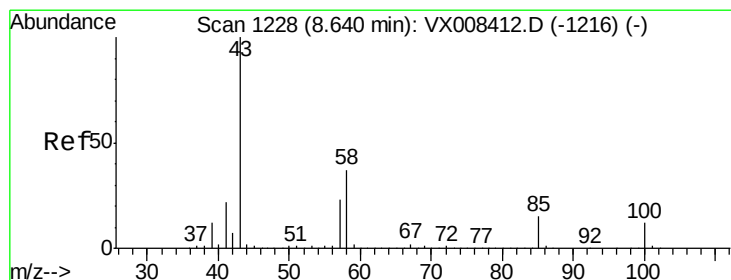
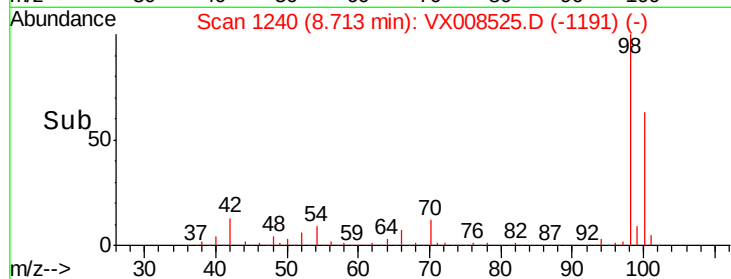
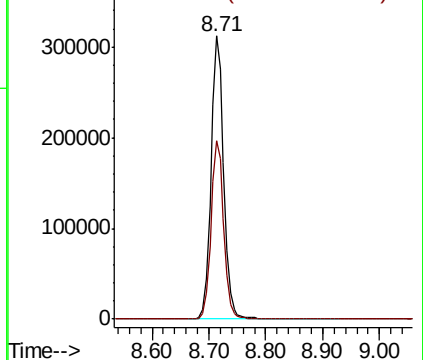
#50
Toluene-d8
Concen: 48.152 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008525.D
Acq: 28 Mar 2019 17:23

Instrument :
MSVOA_X
ClientSampled :
MW-9

Tot Ion: 98 Resp: 481889
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7

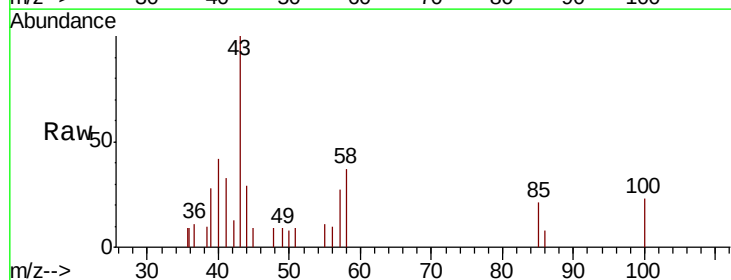


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

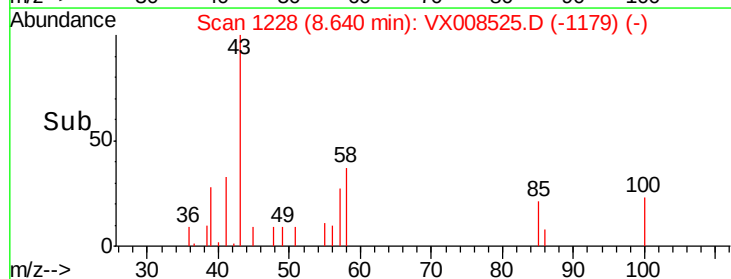
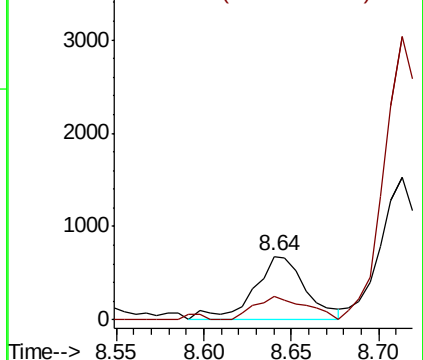


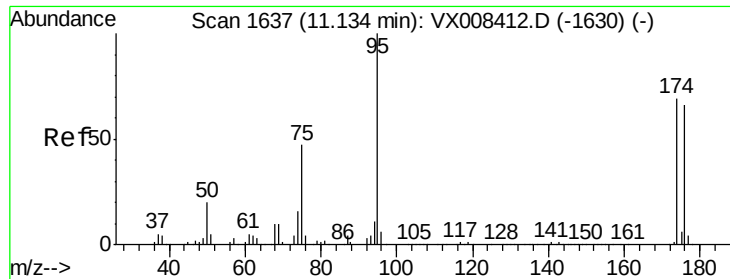
#51
4-Methyl-2-Pentanone
Concen: 0.255 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008525.D
Acq: 28 Mar 2019 17:23

Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
58 37.3 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

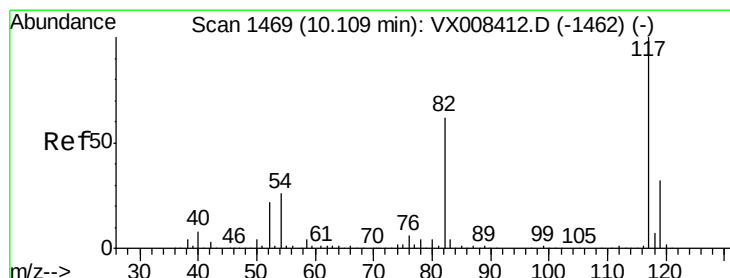
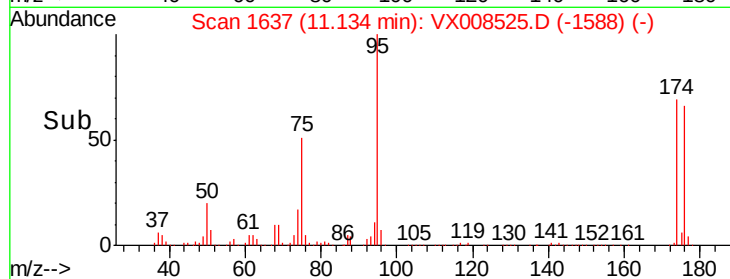
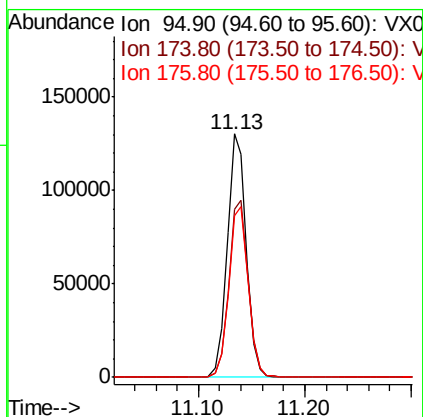
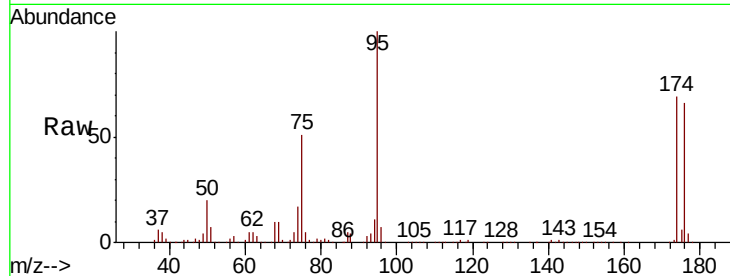




#62
4-Bromofluorobenzene
Concen: 43.807 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008525.D
Acq: 28 Mar 2019 17:23

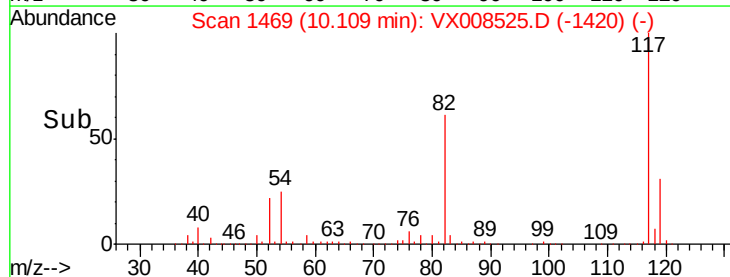
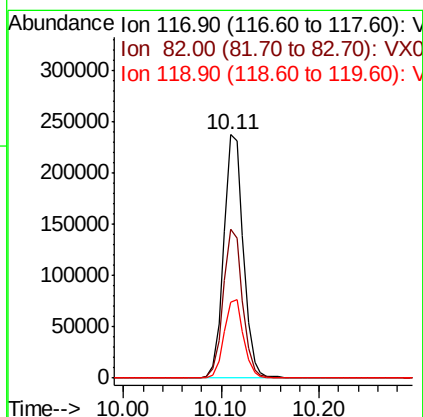
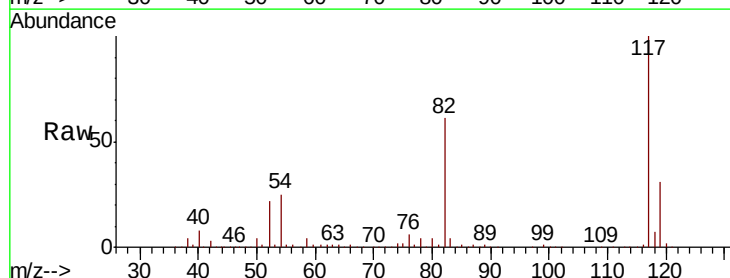
Instrument :
MSVOA_X
ClientSampleId :
MW-9

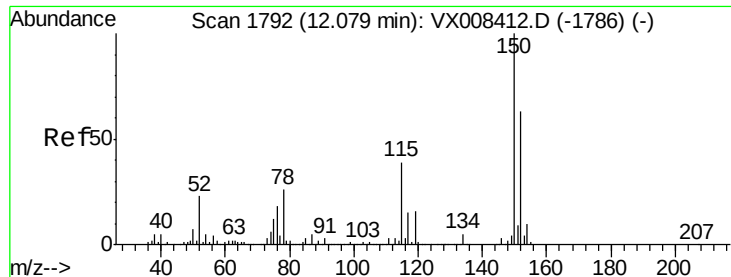
Tot Ion: 95 Resp: 162455
Ion Ratio Lower Upper
95 100
174 74.0 0.0 147.2
176 71.9 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008525.D
Acq: 28 Mar 2019 17:23

Tgt Ion: 117 Resp: 329889
Ion Ratio Lower Upper
117 100
82 60.9 49.4 74.2
119 31.3 25.4 38.0



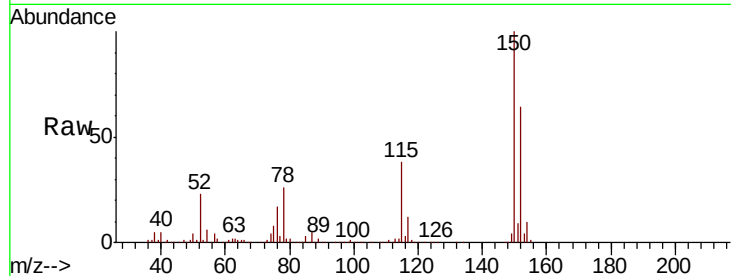


#72

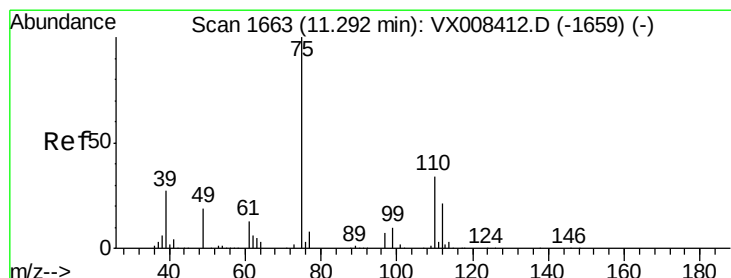
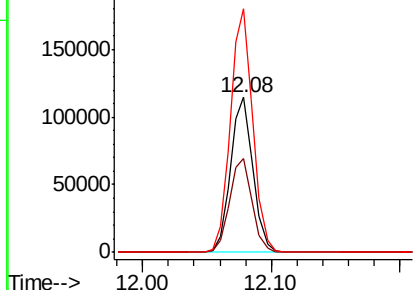
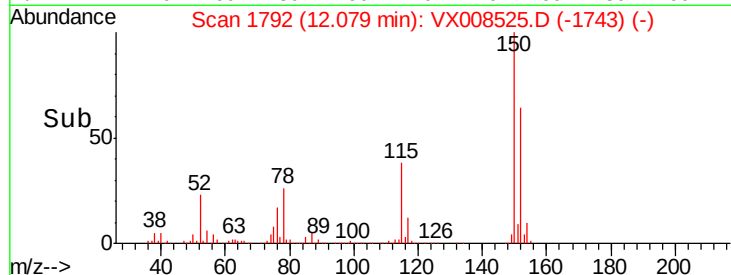
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008525.D
Acq: 28 Mar 2019 17:23

Instrument :
MSVOA_X
ClientSampled :
MW-9

Tot Ion:152 Resp: 139490
Ion Ratio Lower Upper
152 100
115 61.0 43.5 130.5
150 156.7 0.0 348.8



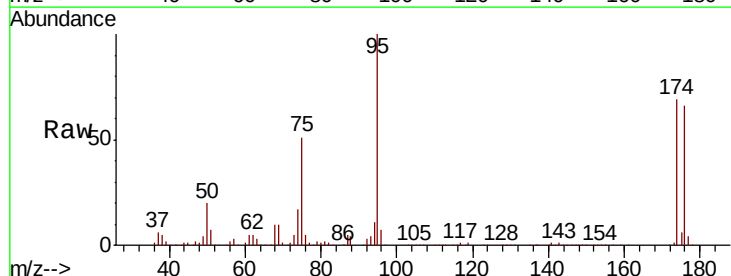
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



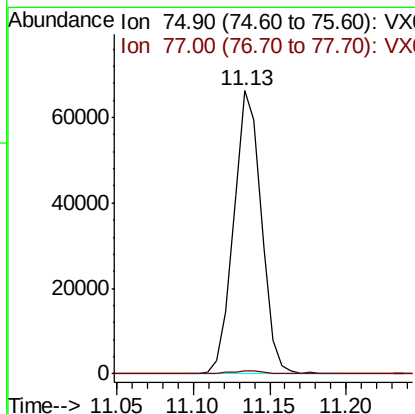
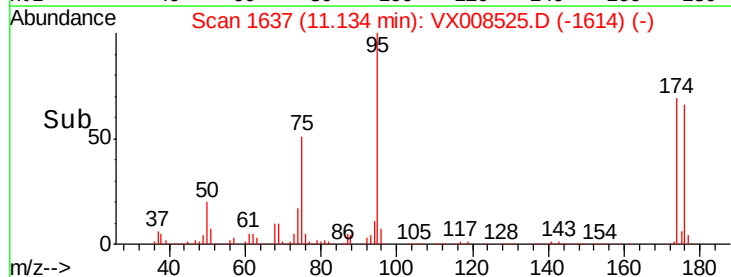
#76

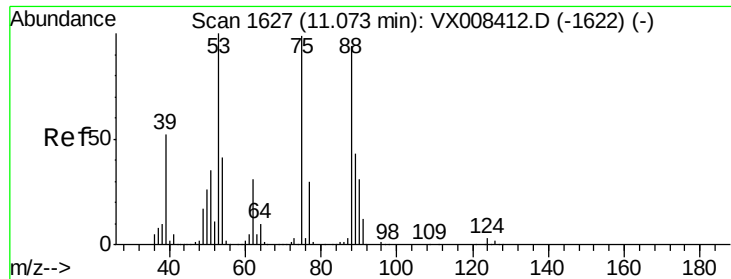
1,2,3-Trichloropropane
Concen: 19.979 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008525.D
Acq: 28 Mar 2019 17:23

Tgt Ion: 75 Resp: 82853
Ion Ratio Lower Upper
75 100
77 1.3 21.9 65.7#



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: 63.991 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008525.D

Acq: 28 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

MW-9

Tot Ion: 75 Resp: 82853

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.0 34.6 52.0#

