

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009485.D
 Acq On : 10 May 2019 16:46
 Operator : JC/SP
 Sample : VX0510WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBL02

Quant Time: May 11 03:29:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	182251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	287934	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100619	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	126856	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
35) Dibromofluoromethane	5.49	113	94832	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
50) Toluene-d8	8.71	98	388966	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	11.13	95	122660	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	

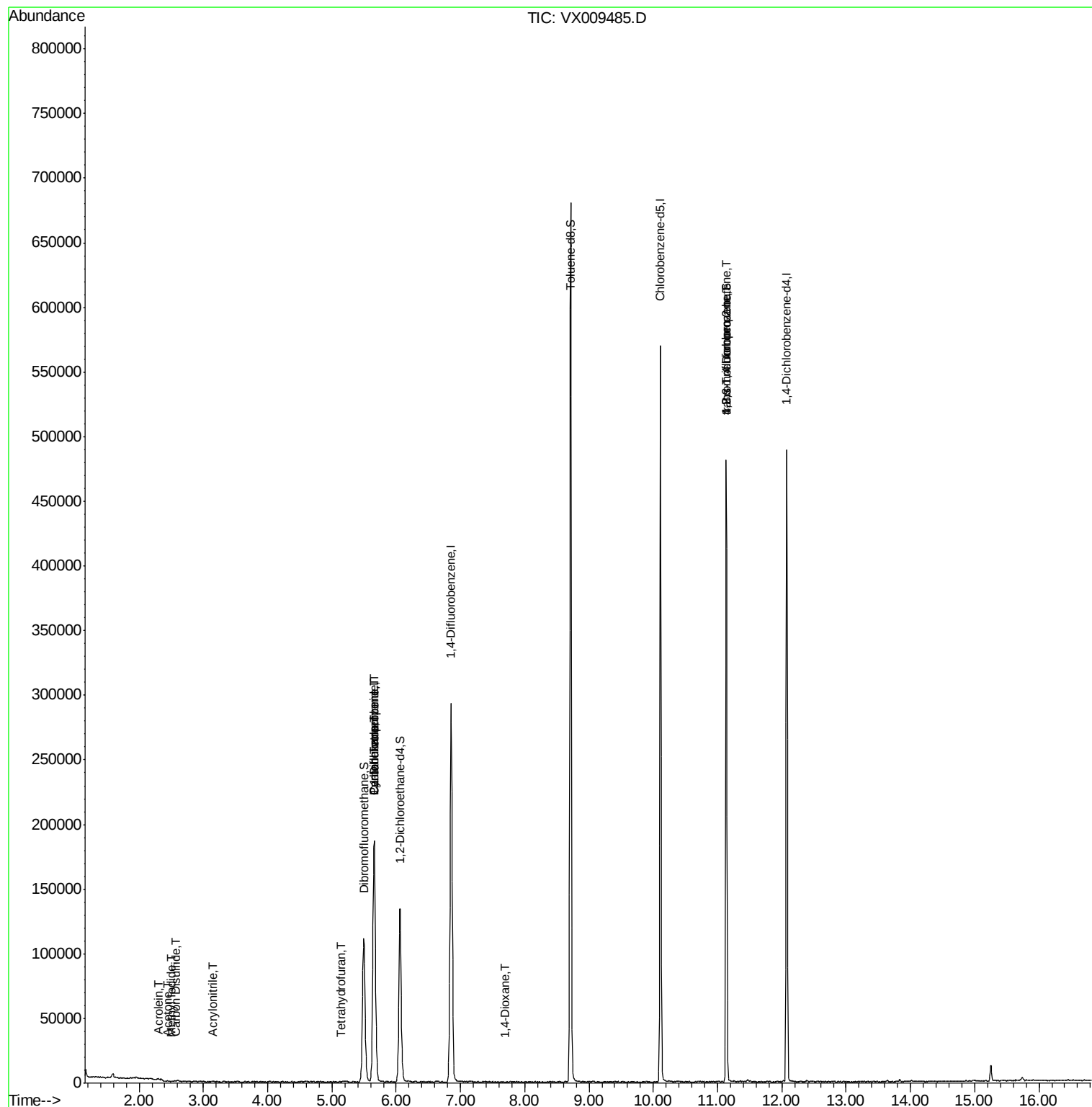
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	290	4.727	ug/l #	74
13) Acrolein	2.31	56	293	0.562	ug/l	93
15) Acrylonitrile	3.15	53	395	0.281	ug/l #	26
16) Acetone	2.44	43	756	0.566	ug/l #	72
17) Carbon Disulfide	2.57	76	1044	0.217	ug/l #	70
28) Bromochloromethane	5.02	49	130	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	303	0.227	ug/l #	51
31) Cyclohexane	5.65	56	4115	1.119	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13945	5.212	ug/l #	50
38) Carbon Tetrachloride	5.65	117	16417	6.753	ug/l #	16
49) 1,4-Dioxane	7.68	88	18	0.300	ug/l #	24
76) 1,2,3-Trichloropropane	11.13	75	63958	27.403	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63958	70.114	ug/l #	10

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

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBL02

Quant Time: May 11 03:29:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

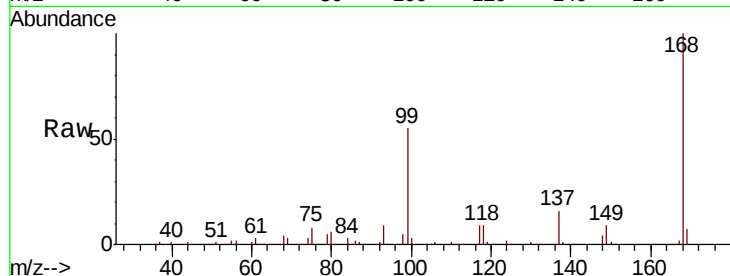
VX0510WBL02

Tot Ion:168 Resp: 182251

Ion Ratio Lower Upper

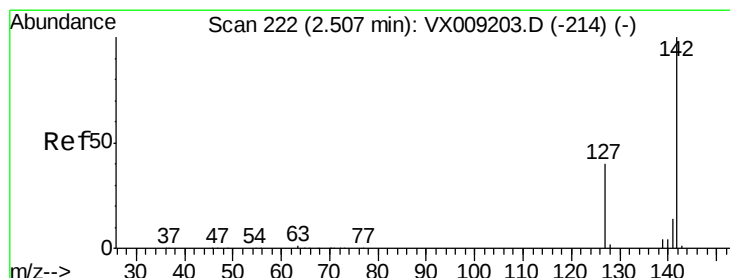
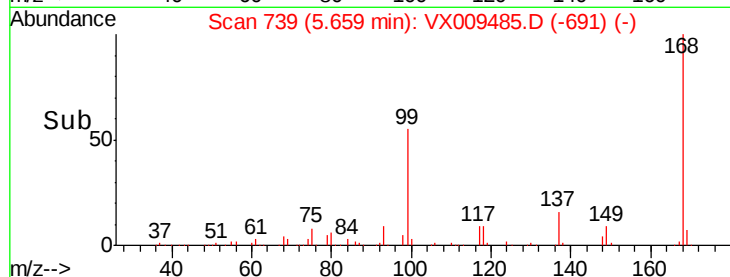
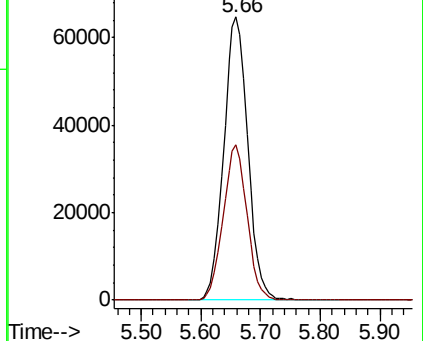
168 100

99 54.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 4.727 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

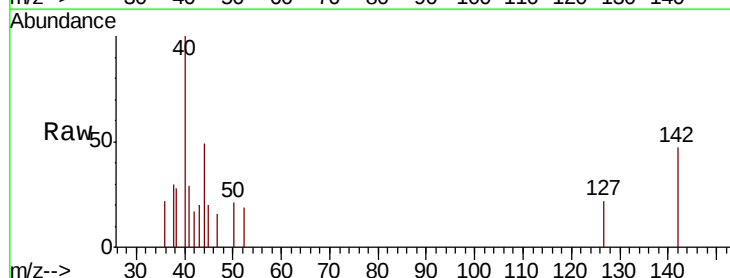
Tgt Ion:142 Resp: 290

Ion Ratio Lower Upper

142 100

127 26.6 32.7 49.1#

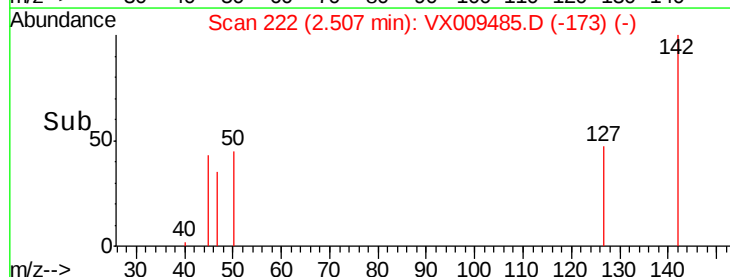
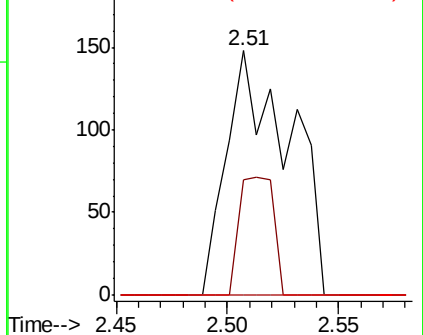
141 0.0 11.5 17.3#

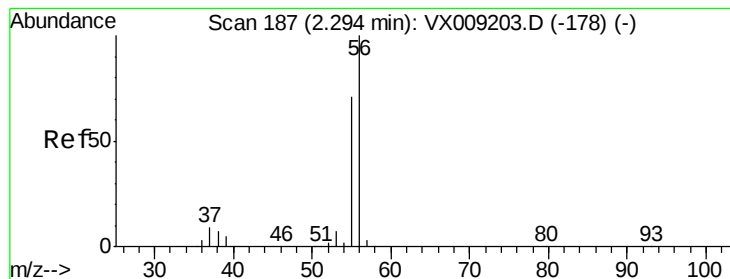


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.562 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

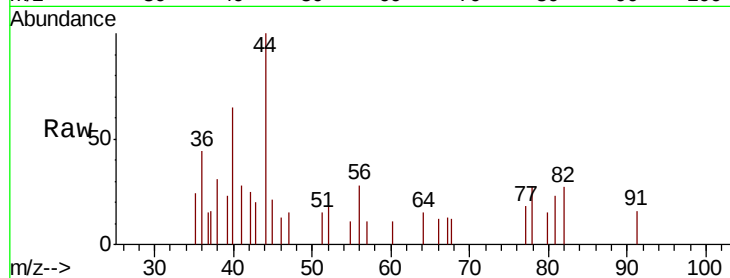
VX0510WBL02

Tot Ion: 56 Resp: 293

Ion Ratio Lower Upper

56 100

55 76.8 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

150

100

50

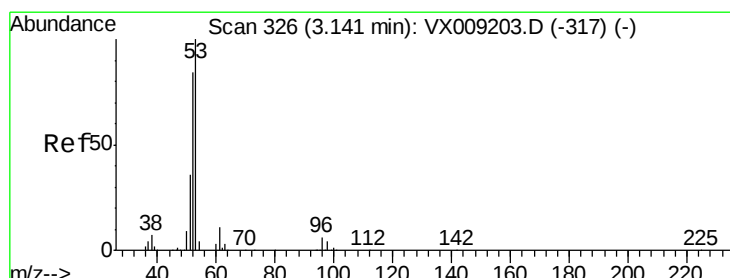
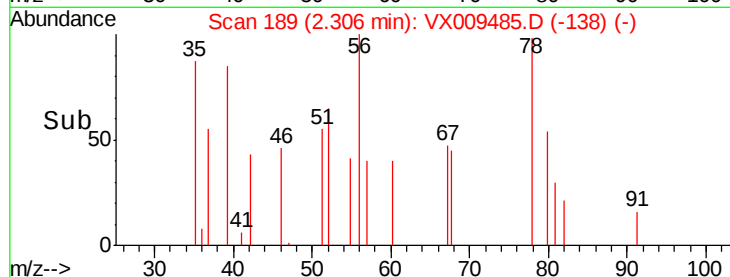
0

2.25

2.30

2.35

Time-->



#15

Acrylonitrile

Concen: 0.281 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

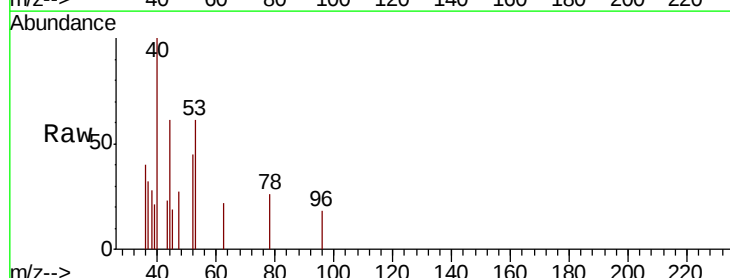
Tgt Ion: 53 Resp: 395

Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

51 17.0 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

250

200

150

100

50

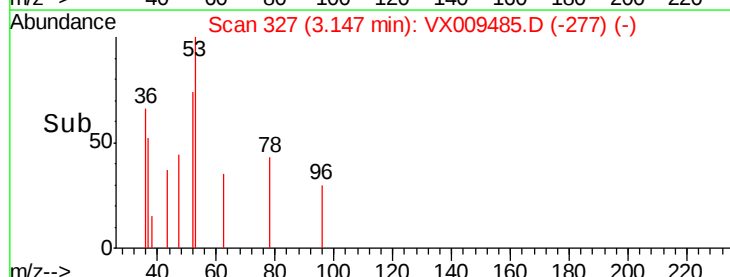
0

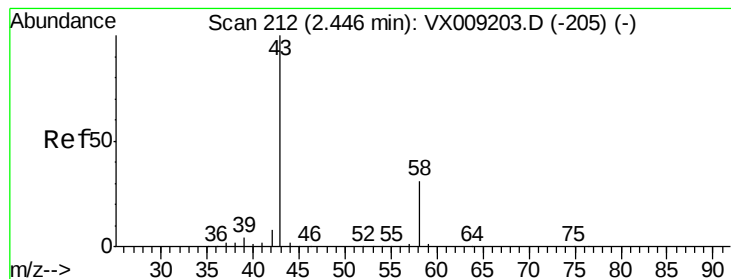
3.10

3.15

3.20

Time-->





#16

Acetone

Concen: 0.566 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

Instrument :

MSVOA_X

ClientSampled :

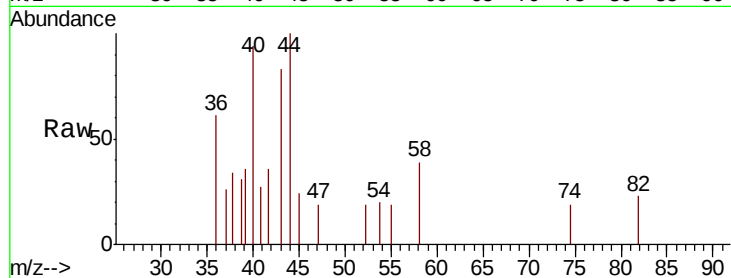
VX0510WBL02

Tot Ion: 43 Resp: 756

Ion Ratio Lower Upper

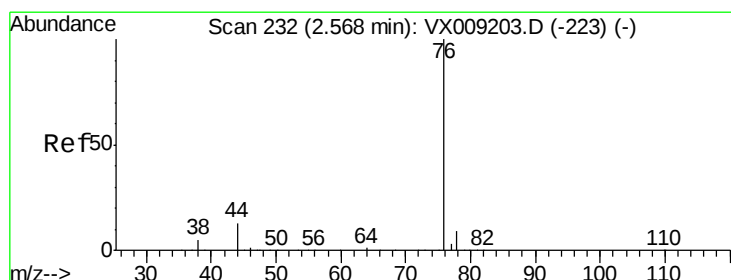
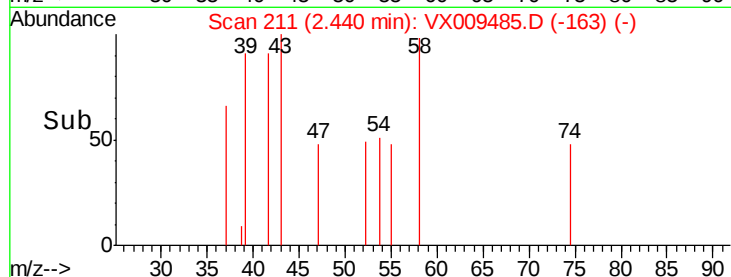
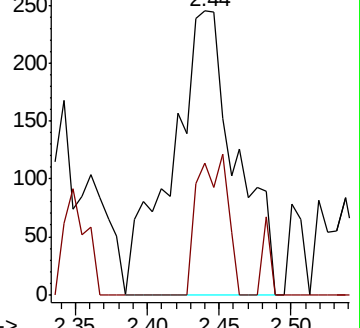
43 100

58 46.5 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.217 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009485.D

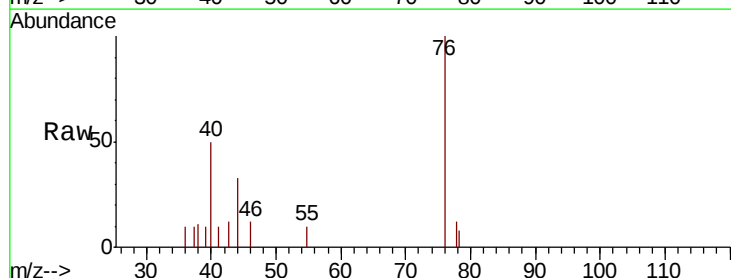
Acq: 10 May 2019 16:46

Tgt Ion: 76 Resp: 1044

Ion Ratio Lower Upper

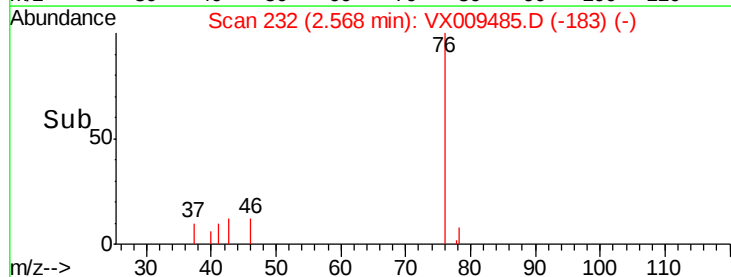
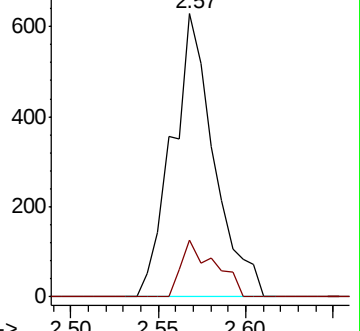
76 100

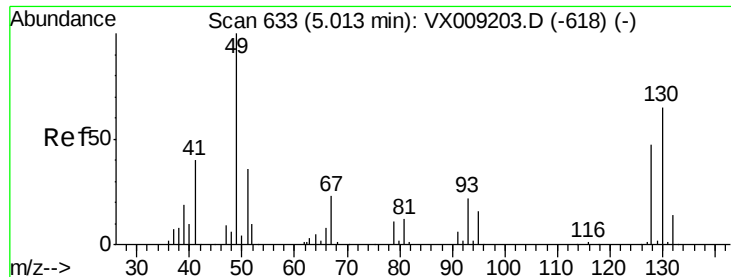
78 20.2 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBL02

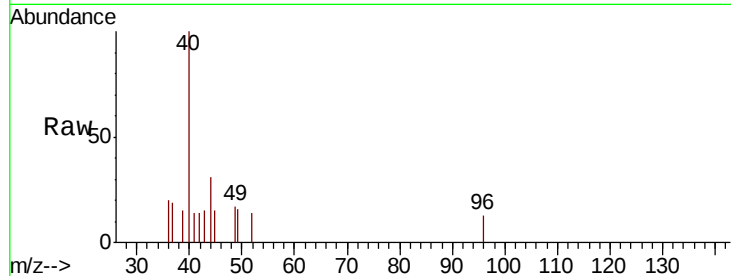
Tot Ion: 49 Resp: 130

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

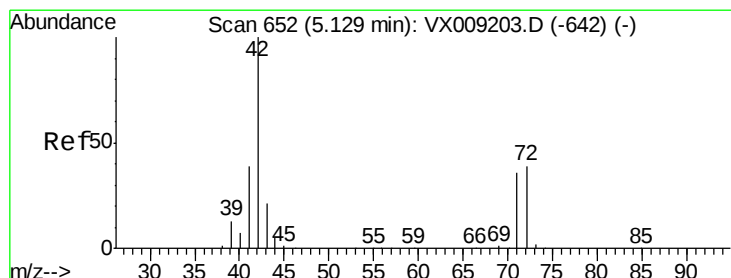
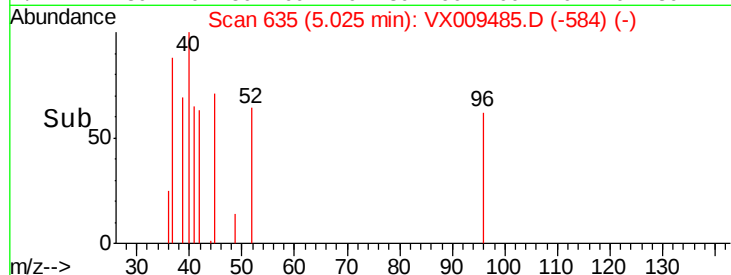
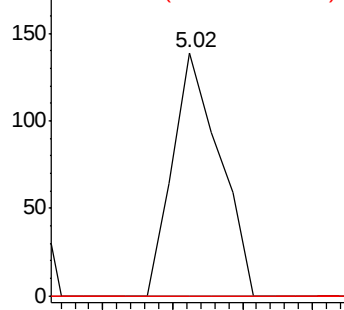
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.227 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

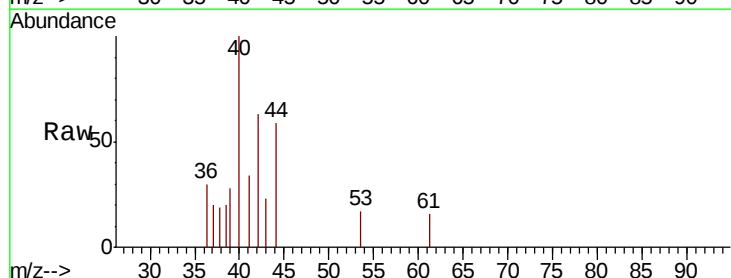
Tgt Ion: 42 Resp: 303

Ion Ratio Lower Upper

42 100

72 0.0 30.4 45.6#

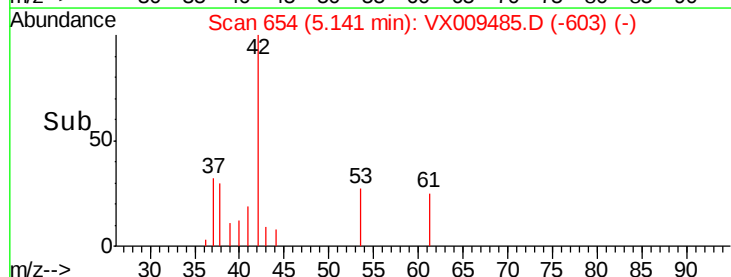
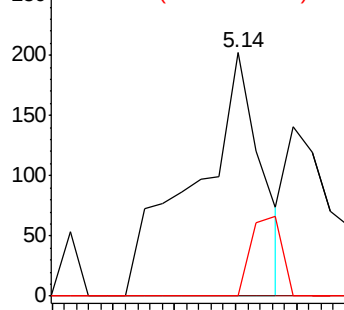
71 15.2 28.6 43.0#

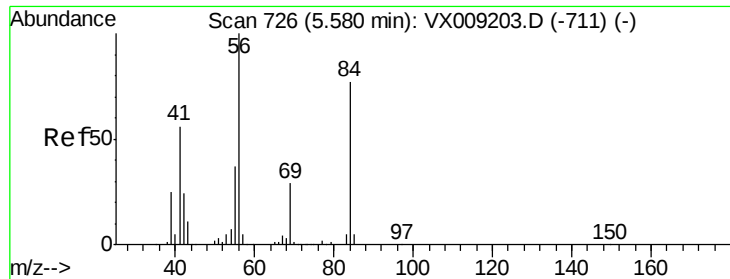


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

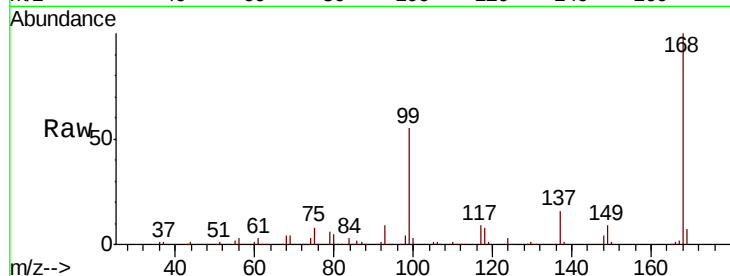




#31
Cyclohexane
Concen: 1.119 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009485.D
Acq: 10 May 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBL02

Tot Ion	Ratio	Lower	Upper
56	100		
69	141.9	23.4	35.0#
84	136.3	61.9	92.9#

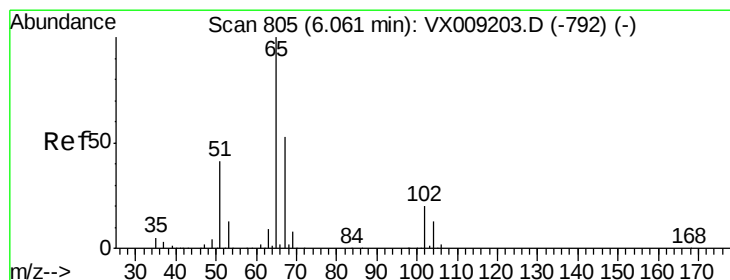
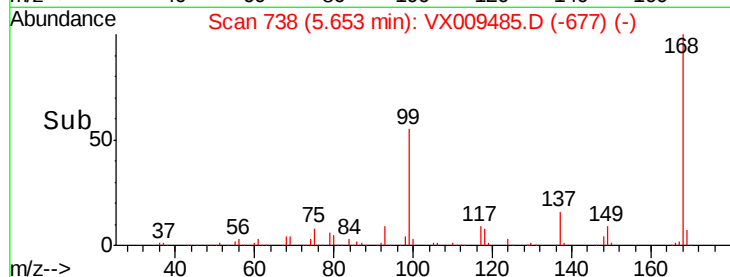
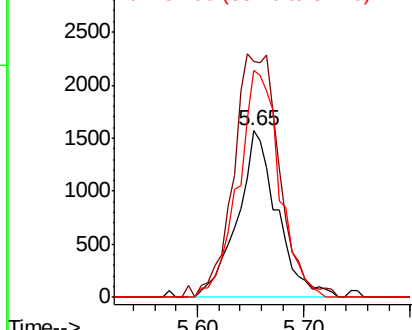


Abundance

Ion 56.00 (55.70 to 56.70): VX0

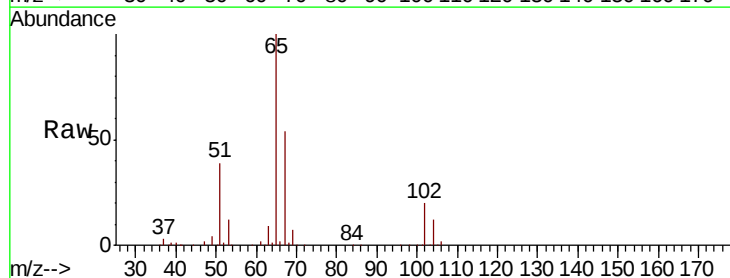
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33
1,2-Dichloroethane-d4
Concen: 50.988 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX009485.D
Acq: 10 May 2019 16:46

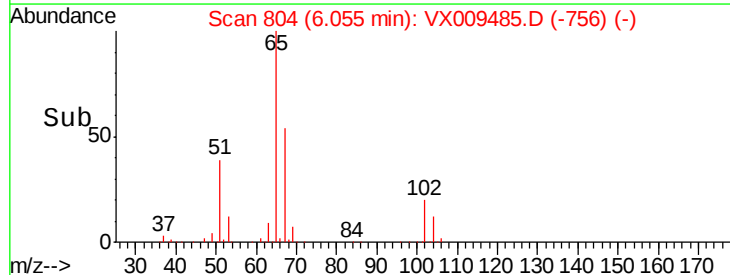
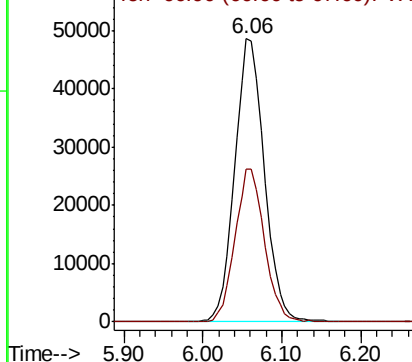
Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.6

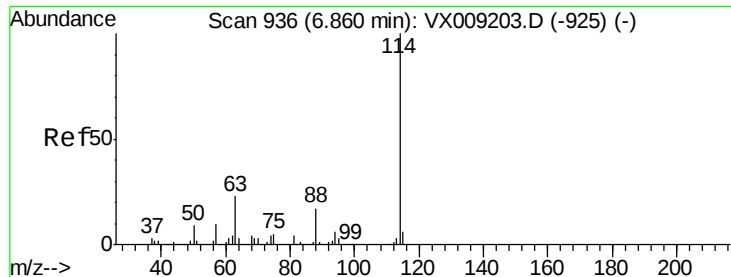


Abundance

Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBL02

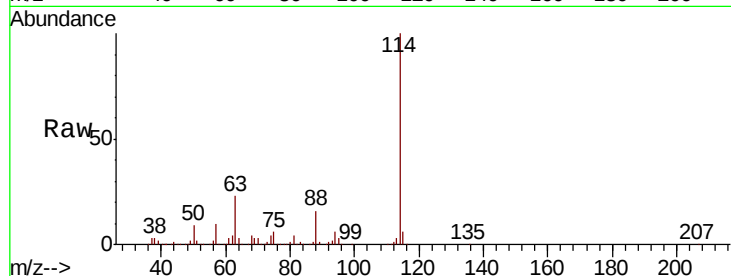
Tot Ion:114 Resp: 287934

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.6

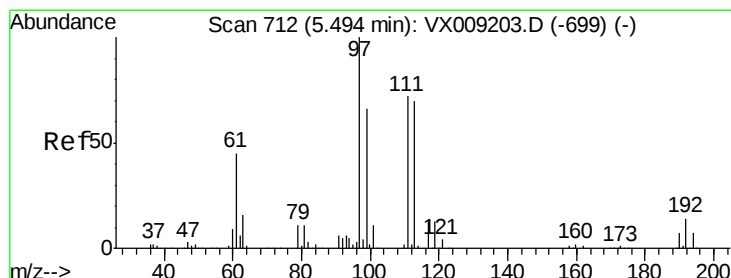
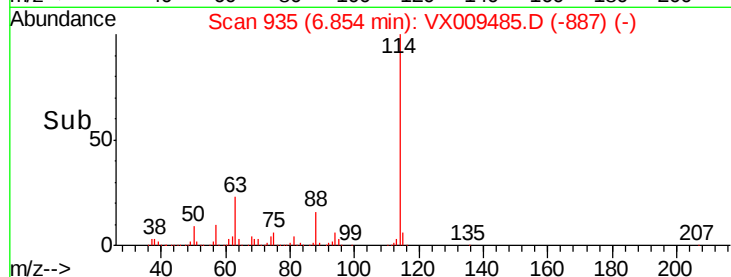
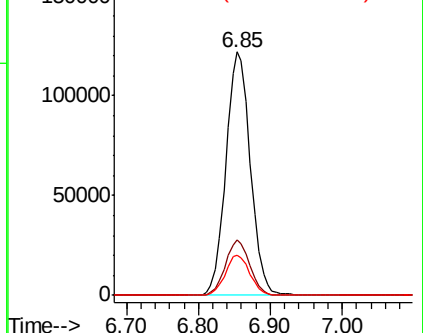
88 16.4 0.0 33.2



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: 52.391 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

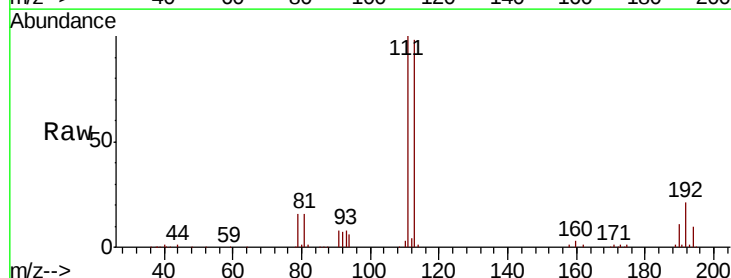
Tgt Ion:113 Resp: 94832

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

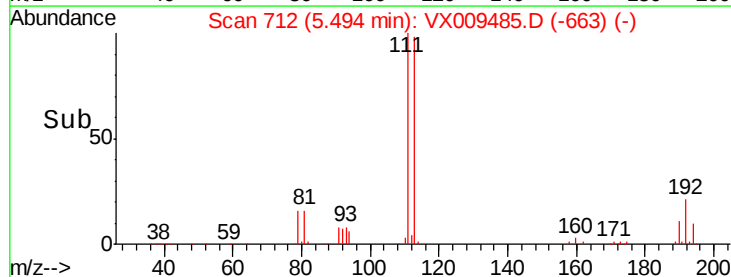
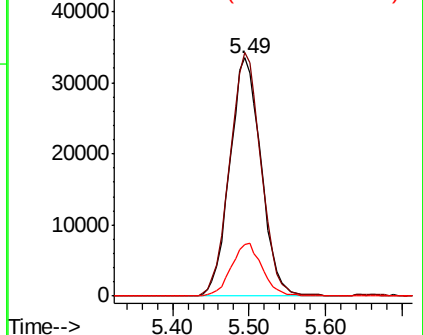
192 21.8 17.0 25.6

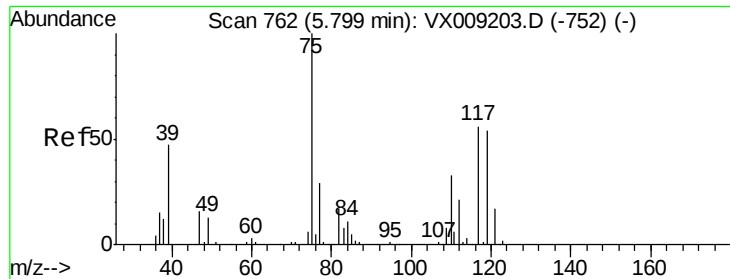


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.212 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBL02

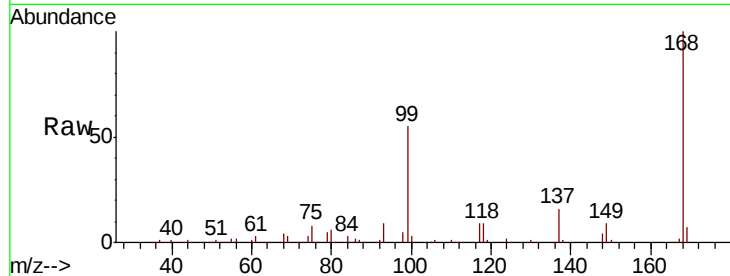
Tot Ion: 75 Resp: 13945

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.6#

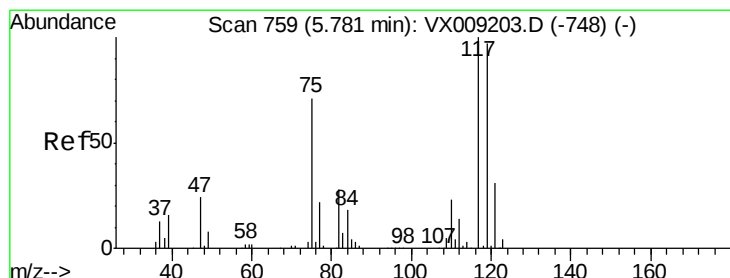
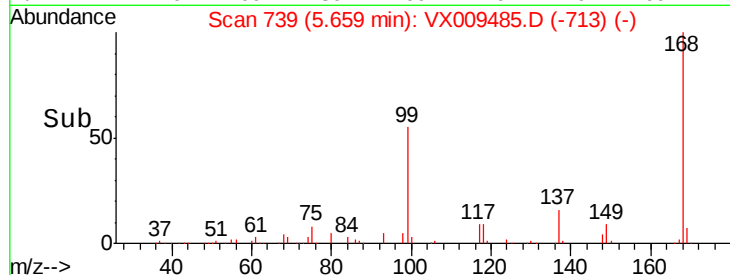
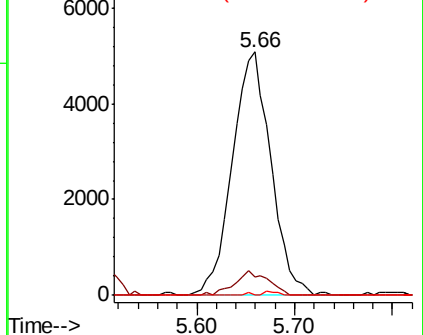
77 0.2 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.753 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

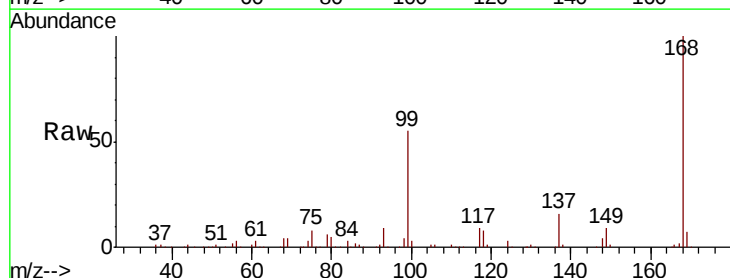
Tgt Ion: 117 Resp: 16417

Ion Ratio Lower Upper

117 100

119 5.9 77.5 116.3#

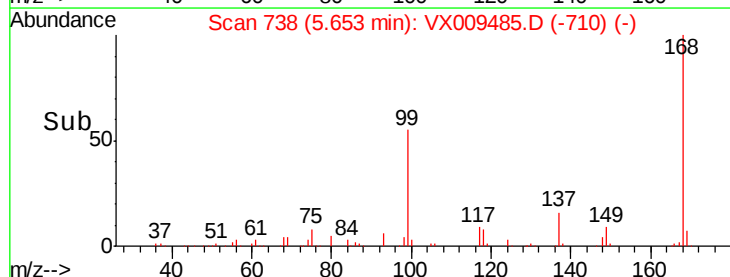
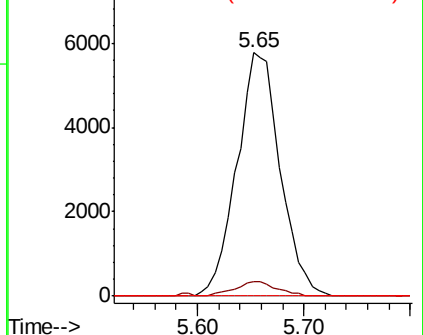
121 0.0 24.7 37.1#

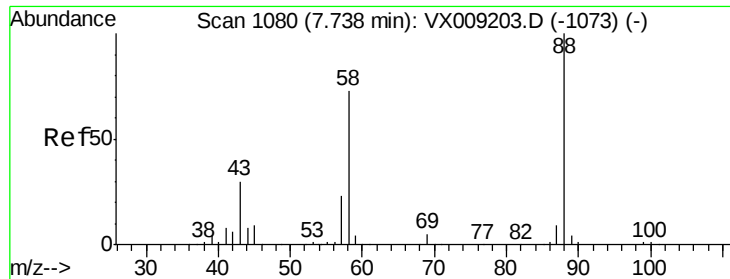


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.300 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.06 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBL02

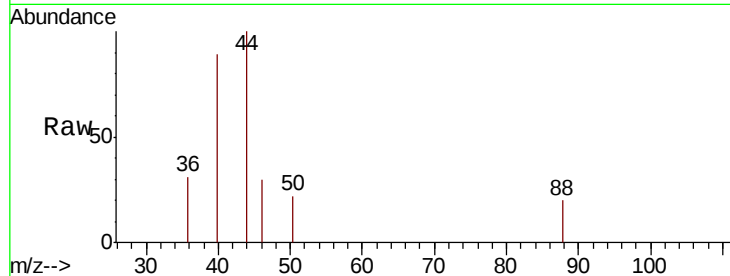
Tot Ion: 88 Resp: 18

Ion Ratio Lower Upper

88 100

43 111.1 28.6 42.8#

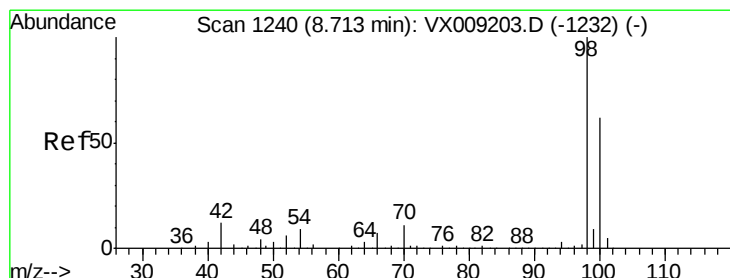
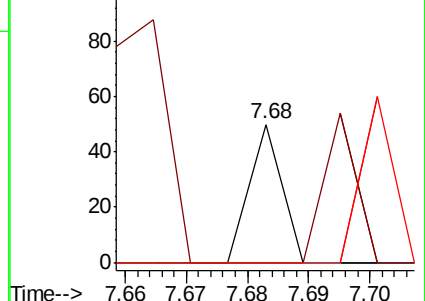
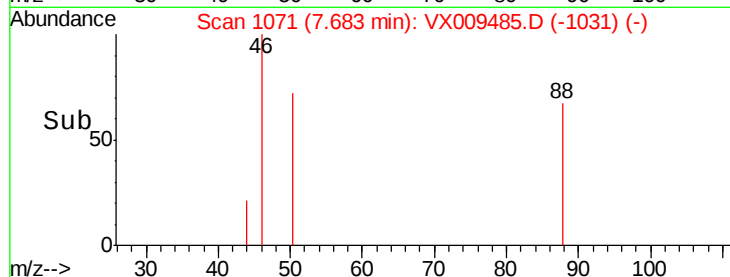
58 122.2 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 53.227 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009485.D

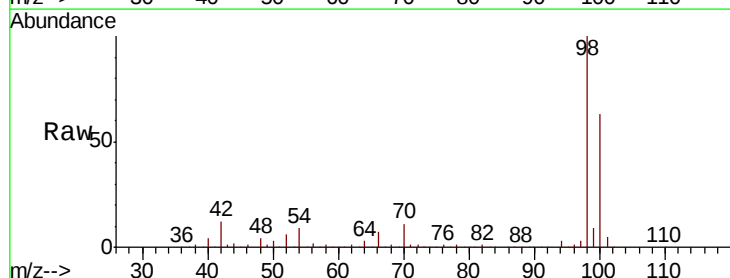
Acq: 10 May 2019 16:46

Tgt Ion: 98 Resp: 388966

Ion Ratio Lower Upper

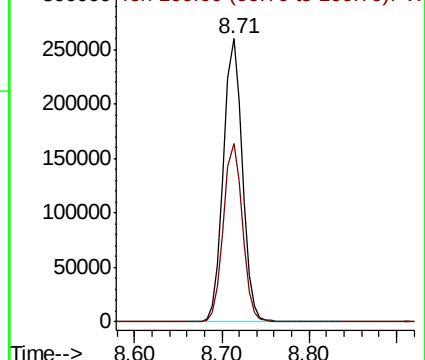
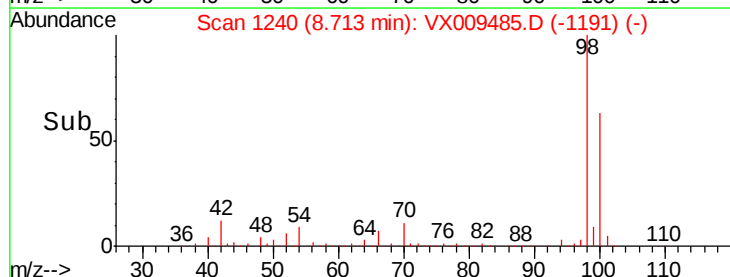
98 100

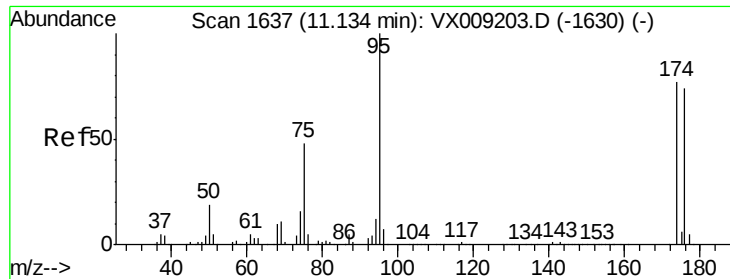
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.194 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

Instrument :

MSVOA_X

ClientSampled :

VX0510WBL02

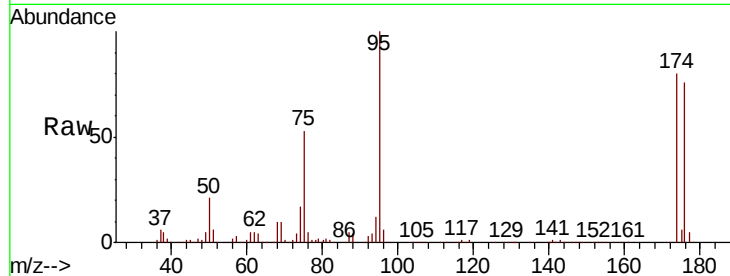
Tot Ion: 95 Resp: 122660

Ion Ratio Lower Upper

95 100

174 83.3 0.0 161.6

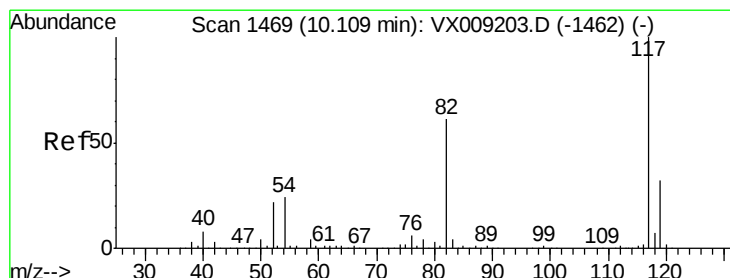
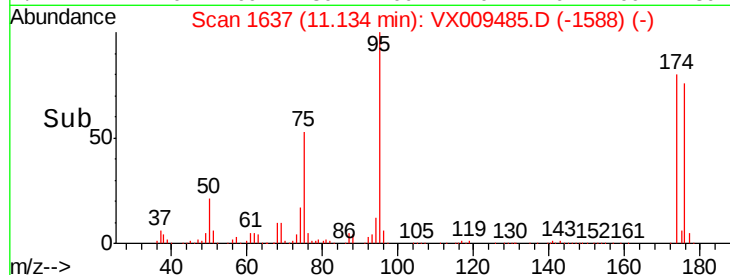
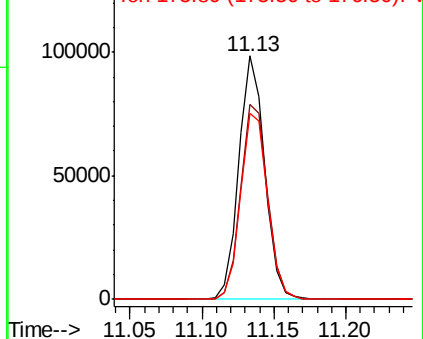
176 80.0 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009485.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009485.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009485.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

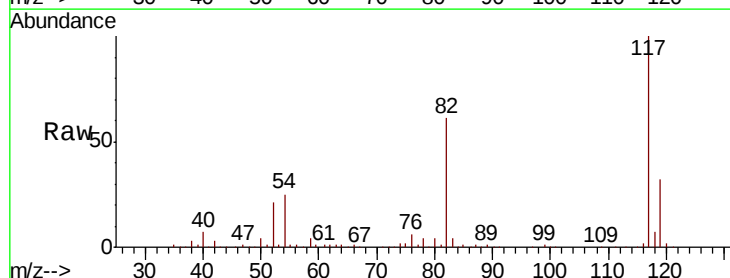
Tgt Ion: 117 Resp: 245566

Ion Ratio Lower Upper

117 100

82 60.6 48.8 73.2

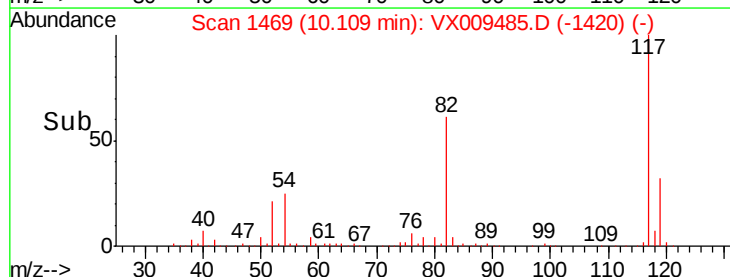
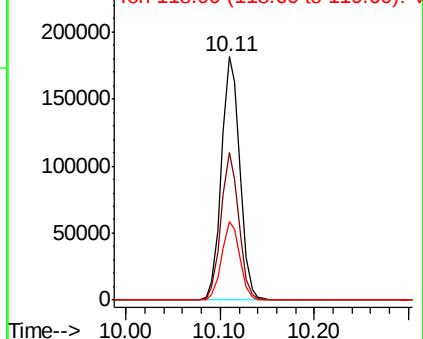
119 32.2 25.8 38.6

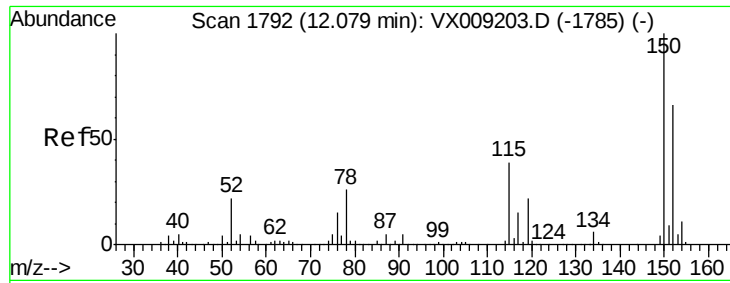


Abundance Ion 116.90 (116.60 to 117.60): VX009485.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009485.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009485.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBL02

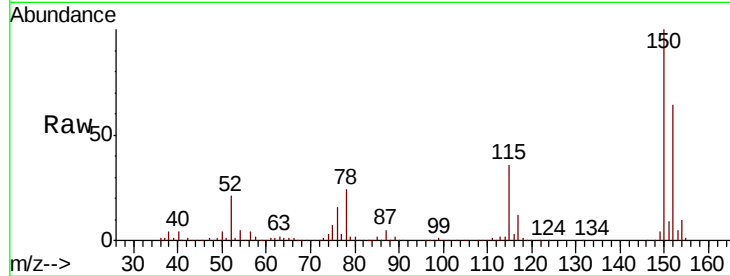
Tot Ion:152 Resp: 100619

Ion Ratio Lower Upper

152 100

115 59.0 41.2 123.6

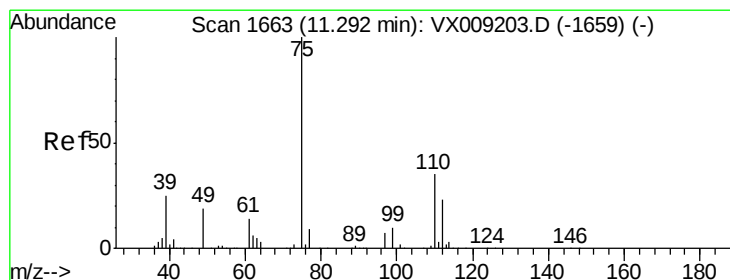
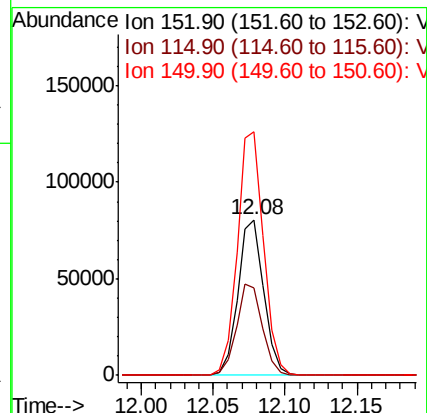
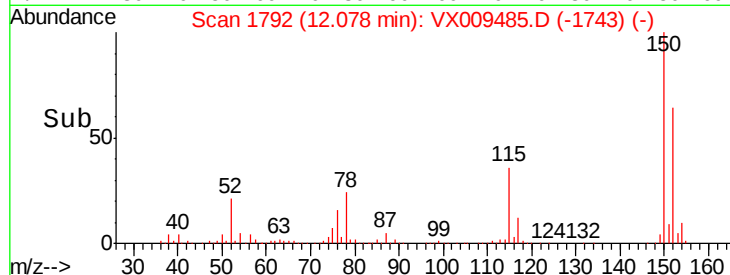
150 159.1 0.0 346.4



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: 27.403 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009485.D

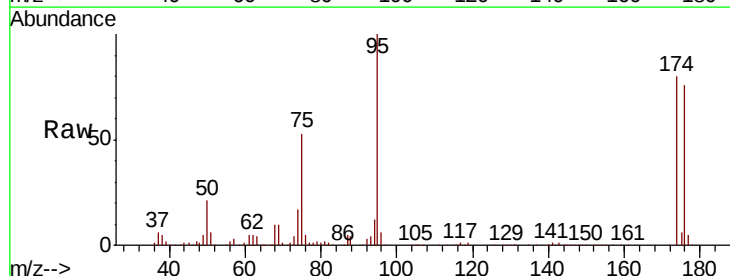
Acq: 10 May 2019 16:46

Tgt Ion: 75 Resp: 63958

Ion Ratio Lower Upper

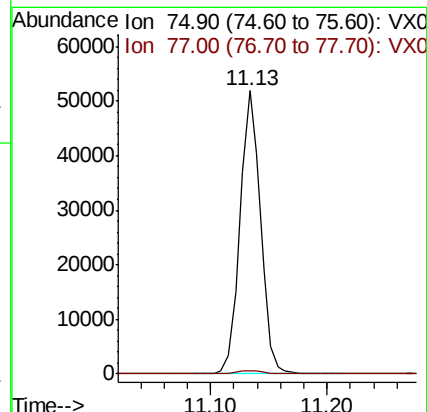
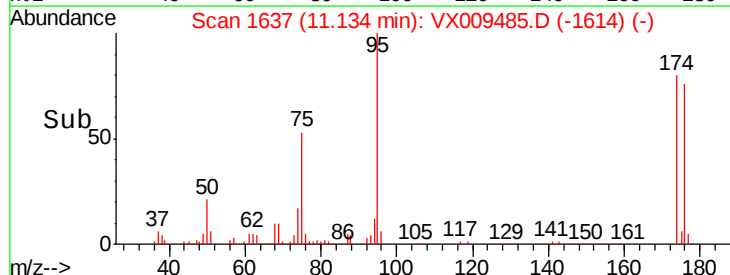
75 100

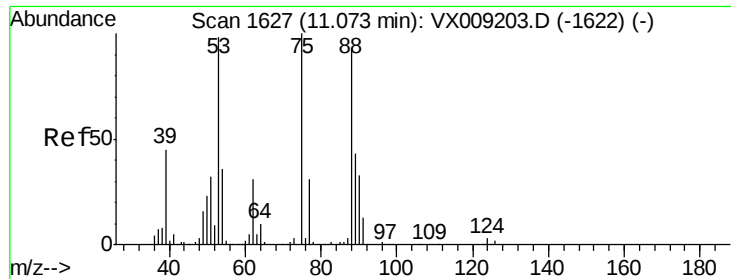
77 1.2 22.1 66.1#



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: 70.114 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009485.D

Acq: 10 May 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBL02

Tot Ion: 75 Resp: 63958

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#

