

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071719\
 Data File : VX010925.D
 Acq On : 17 Jul 2019 11:03
 Operator : JC/SP
 Sample : K3834-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-2

Quant Time: Jul 18 02:27:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	235929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	375883	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	347959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164914	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	126716	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
35) Dibromofluoromethane	5.49	113	117441	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	8.71	98	450613	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.13	95	157672	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	

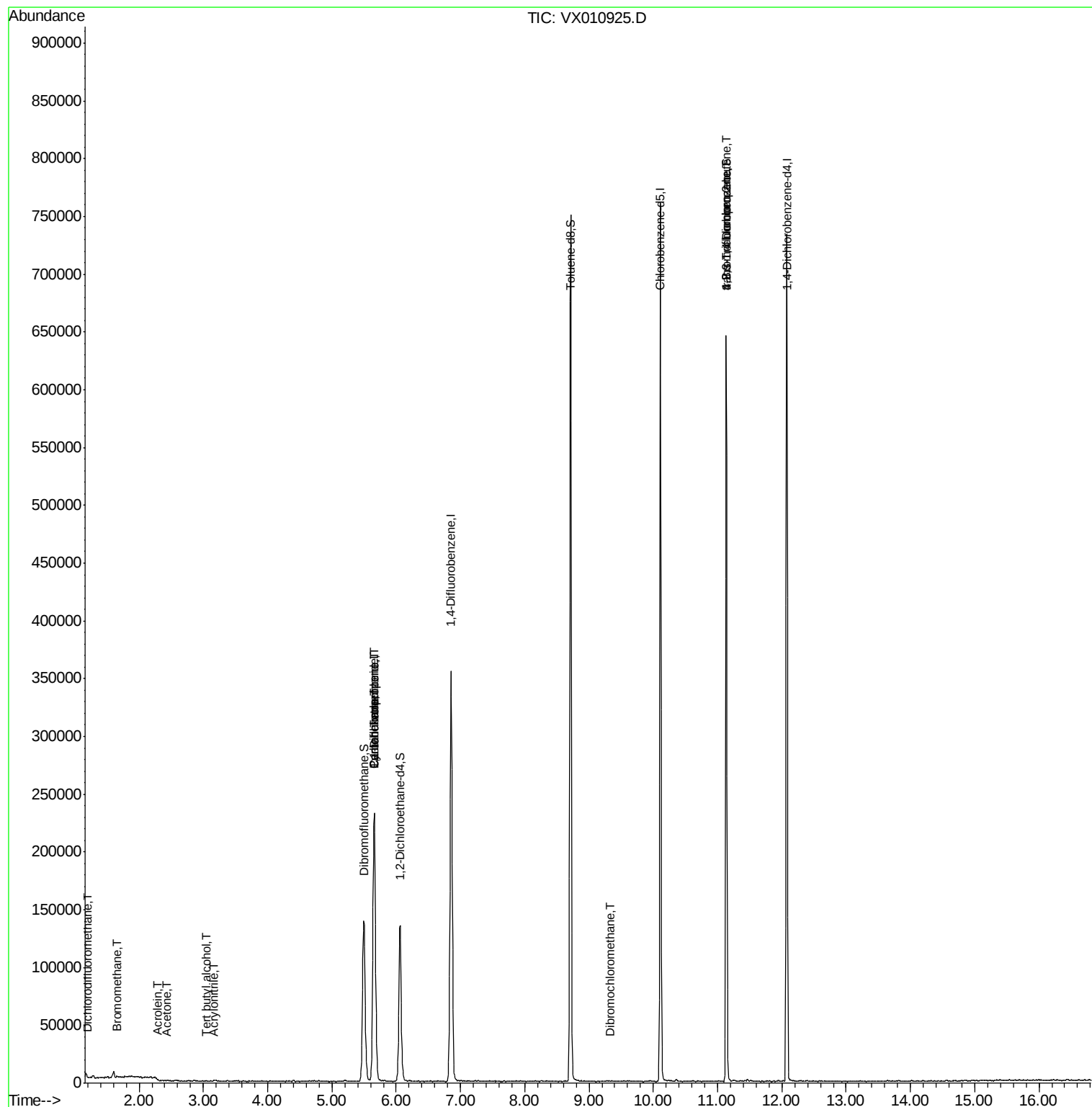
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	53	0.567	ug/l #	43
5) Bromomethane	1.65	94	717	0.575	ug/l #	48
11) Tert butyl alcohol	3.04	59	202	0.346	ug/l	96
13) Acrolein	2.29	56	294	0.871	ug/l #	37
15) Acrylonitrile	3.15	53	252	0.213	ug/l #	86
16) Acetone	2.43	43	268	0.236	ug/l #	62
31) Cyclohexane	5.65	56	4313	1.266	ug/l #	13
36) 1,1-Dichloropropene	5.65	75	15925	5.158	ug/l #	49
38) Carbon Tetrachloride	5.65	117	22236	6.911	ug/l #	18
60) Dibromochloromethane	9.33	129	51	2.544	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	77472	26.033	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	77472	64.685	ug/l #	11

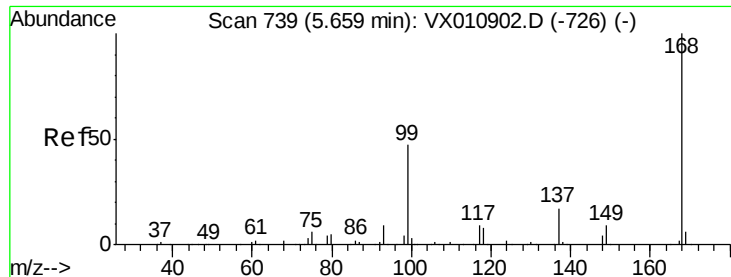
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010925.D

Acq: 17 Jul 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

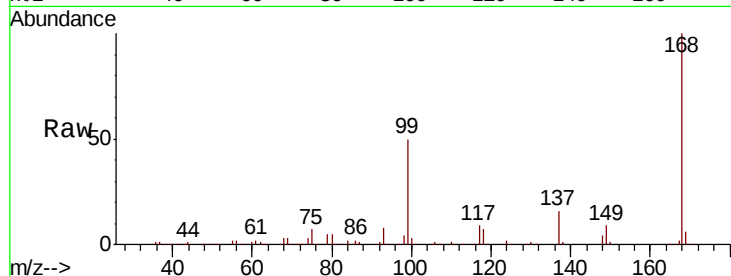
TB-2

Tot Ion:168 Resp: 235929

Ion Ratio Lower Upper

168 100

99 49.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

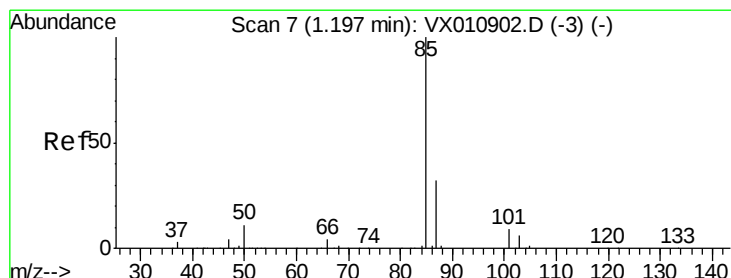
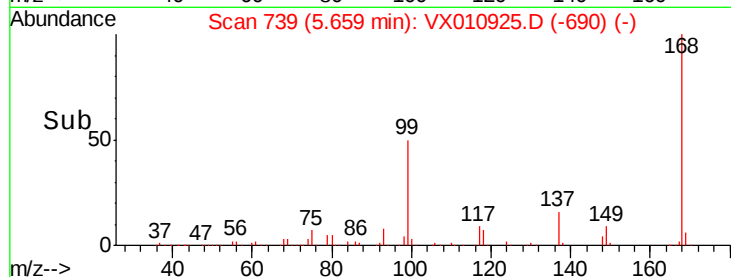
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.567 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX010925.D

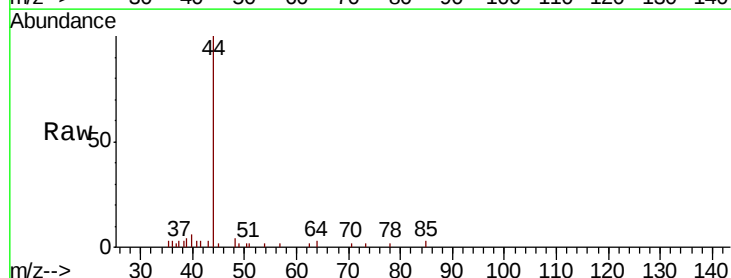
Acq: 17 Jul 2019 11:03

Tgt Ion: 85 Resp: 53

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100

80

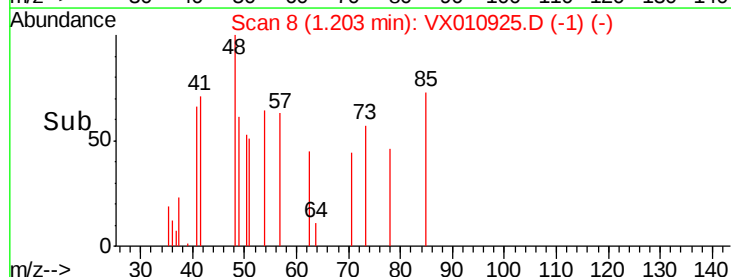
60

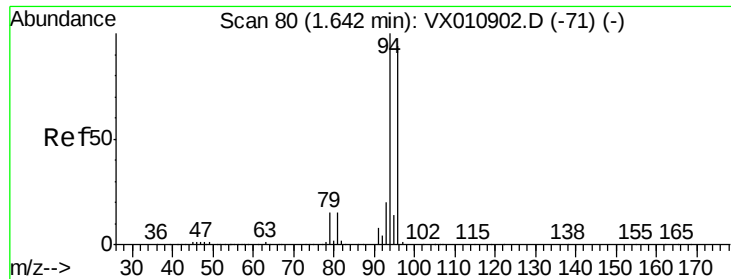
40

20

0

Time--> 1.18 1.20 1.22





#5

Bromomethane

Concen: 0.575 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX010925.D

Acq: 17 Jul 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

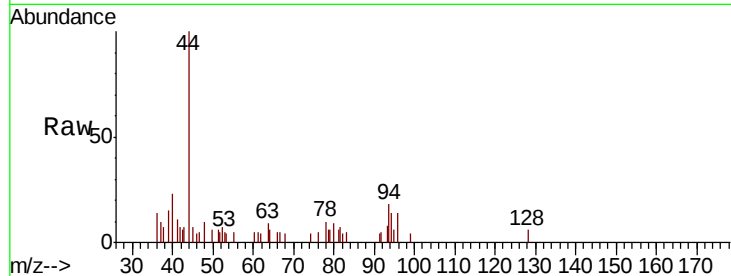
TB-2

Tot Ion: 94 Resp: 717

Ion Ratio Lower Upper

94 100

96 44.3 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

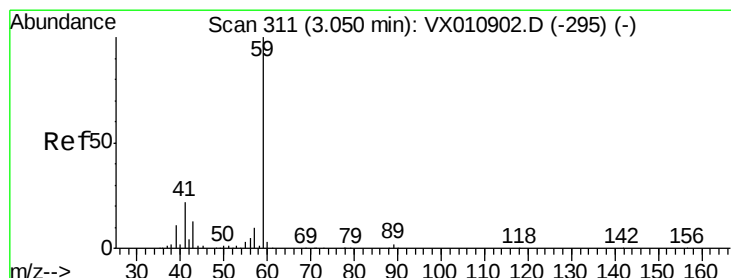
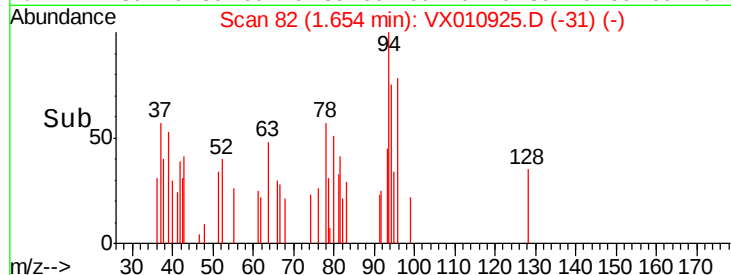
300

200

100

0

Time-->



#11

Tert butyl alcohol

Concen: 0.346 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX010925.D

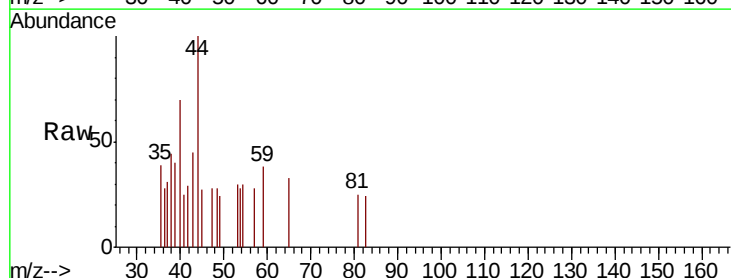
Acq: 17 Jul 2019 11:03

Tgt Ion: 59 Resp: 202

Ion Ratio Lower Upper

59 100

57 11.4 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

100

80

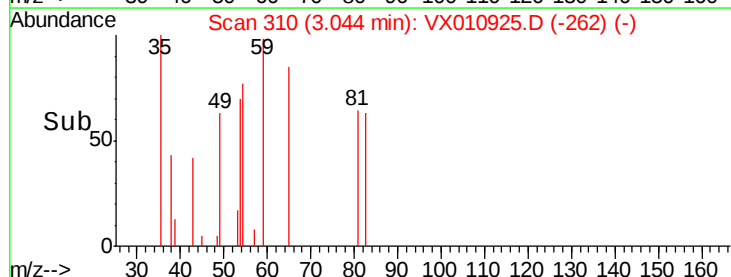
60

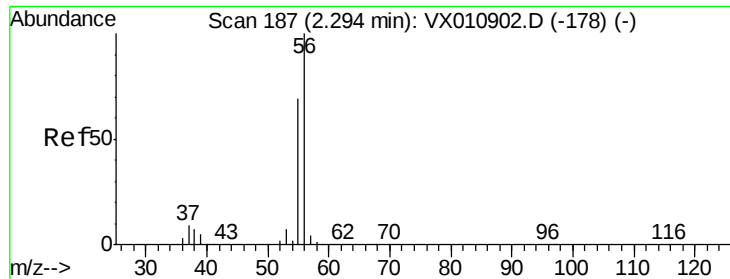
40

20

0

Time-->





#13

Acrolein

Concen: 0.871 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010925.D

Acq: 17 Jul 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

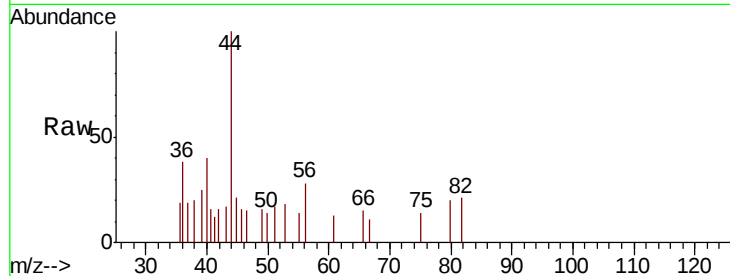
TB-2

Tot Ion: 56 Resp: 294

Ion Ratio Lower Upper

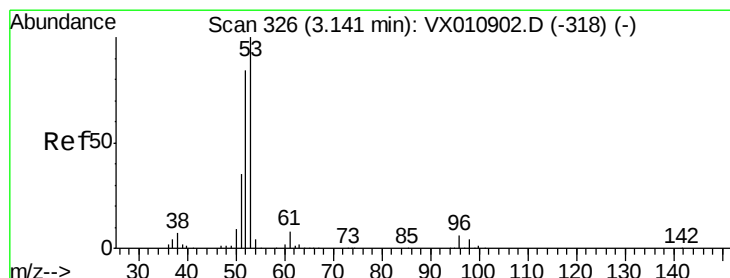
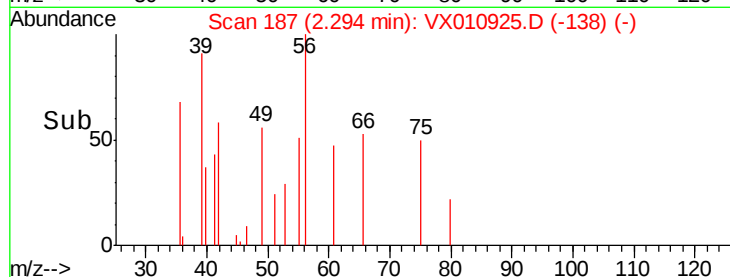
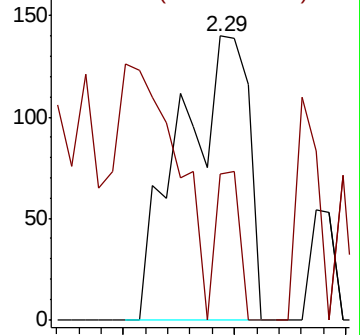
56 100

55 18.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.213 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010925.D

Acq: 17 Jul 2019 11:03

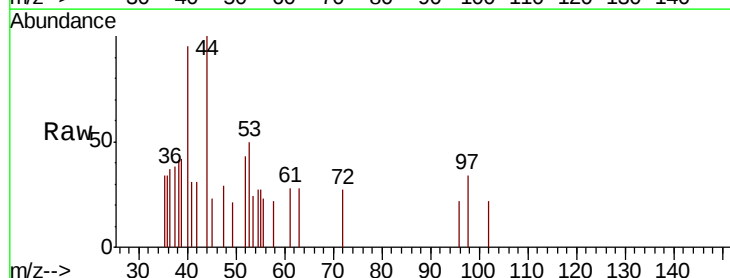
Tgt Ion: 53 Resp: 252

Ion Ratio Lower Upper

53 100

52 75.8 66.5 99.7

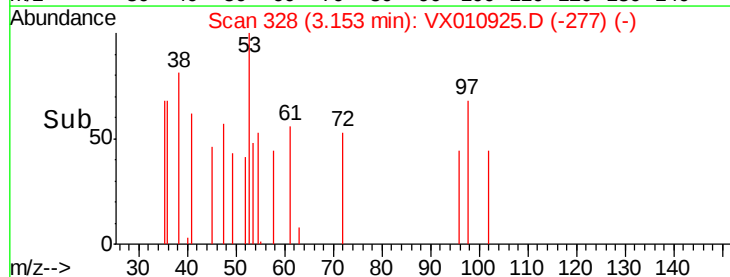
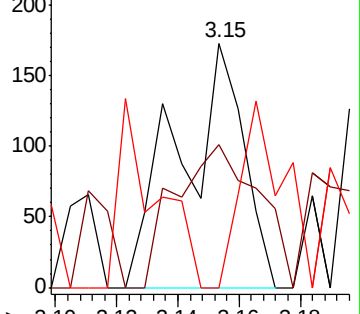
51 51.2 28.2 42.4#

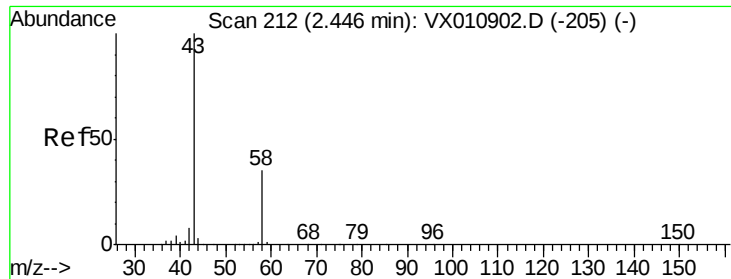


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

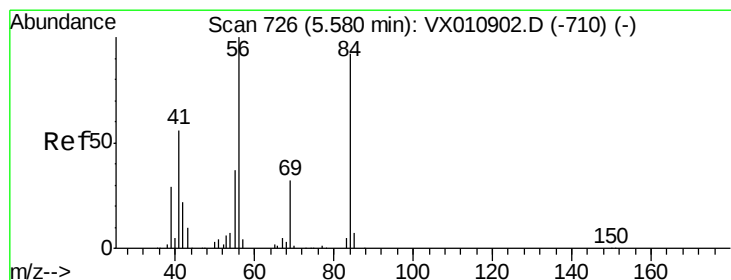
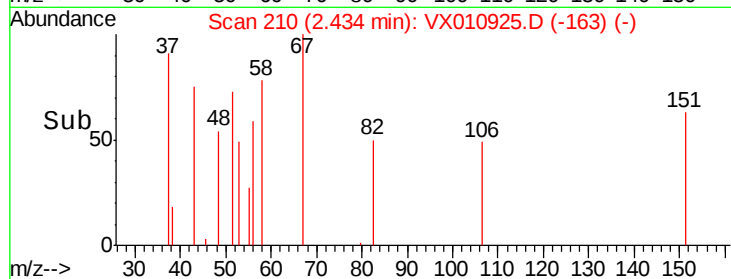
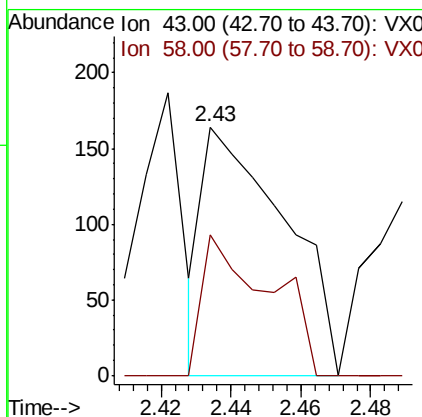
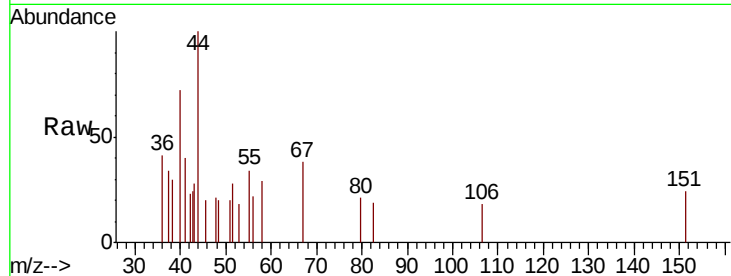




#16
Acetone
Concen: 0.236 ug/l
RT: 2.43 min Scan# 210
Delta R.T. -0.01 min
Lab File: VX010925.D
Acq: 17 Jul 2019 11:03

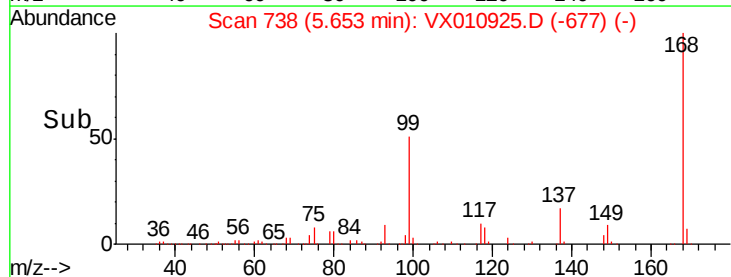
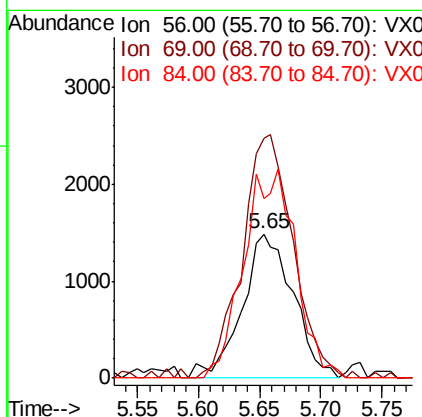
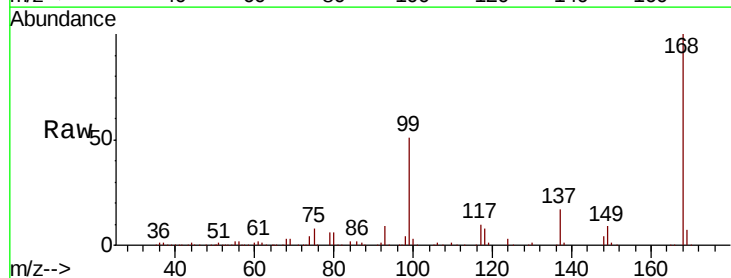
Instrument :
MSVOA_X
ClientSampled :
TB-2

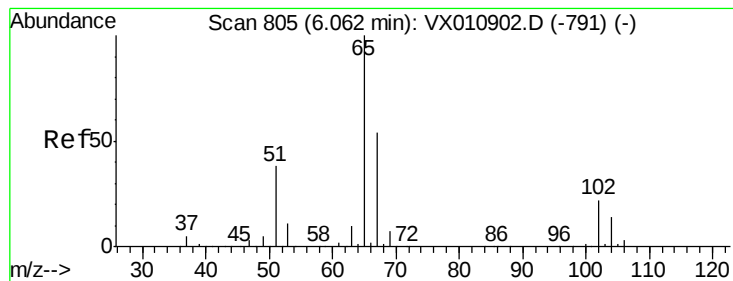
Tot Ion: 43 Resp: 268
Ion Ratio Lower Upper
43 100
58 56.7 27.7 41.5#



#31
Cyclohexane
Concen: 1.266 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX010925.D
Acq: 17 Jul 2019 11:03

Tgt Ion: 56 Resp: 4313
Ion Ratio Lower Upper
56 100
69 167.0 25.8 38.8#
84 124.5 73.8 110.6#





#33

1,2-Dichloroethane-d4

Concen: 50.486 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010925.D

Acq: 17 Jul 2019 11:03

Instrument :

MSVOA_X

ClientSampleId :

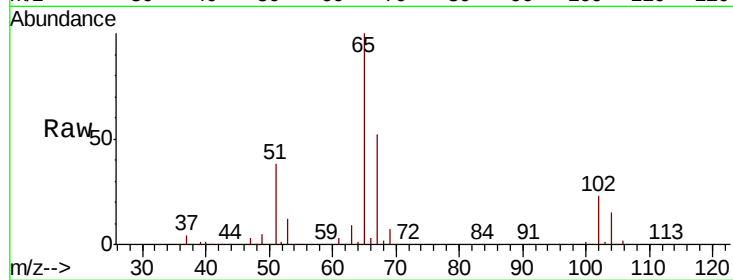
TB-2

Tot Ion: 65 Resp: 126716

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

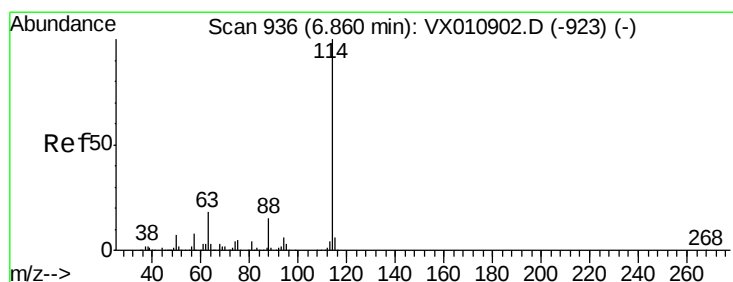
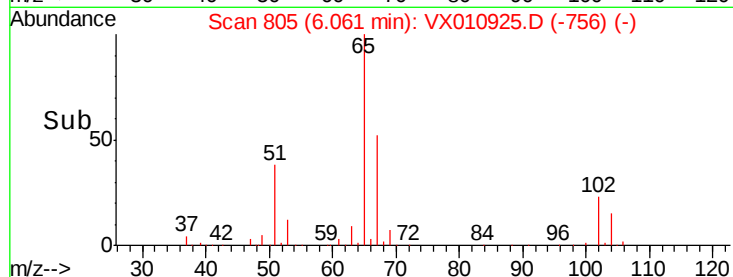
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010925.D

Acq: 17 Jul 2019 11:03

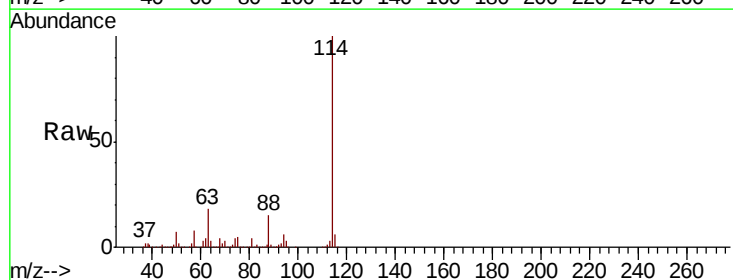
Tgt Ion: 114 Resp: 375883

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

88 15.2 0.0 29.8



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

6.85

200000

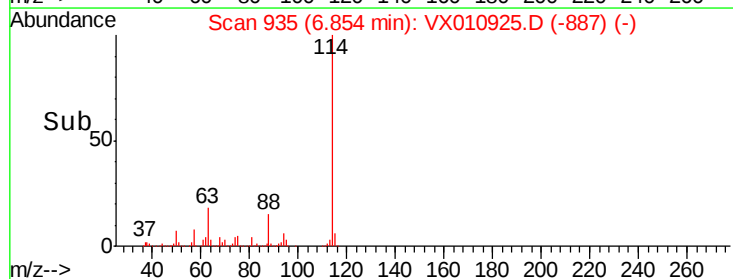
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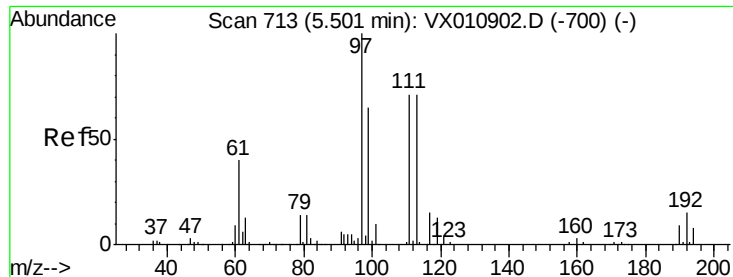
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.225 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010925.D

Acq: 17 Jul 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

TB-2

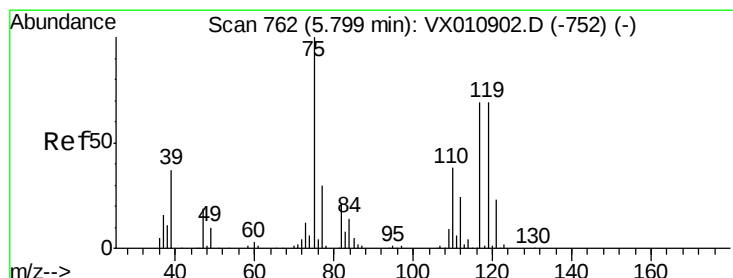
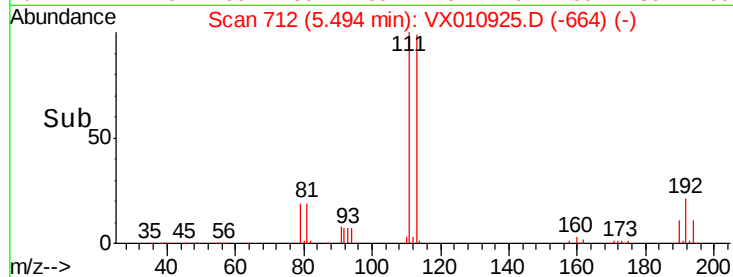
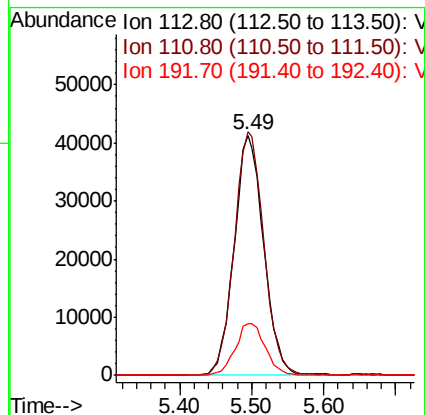
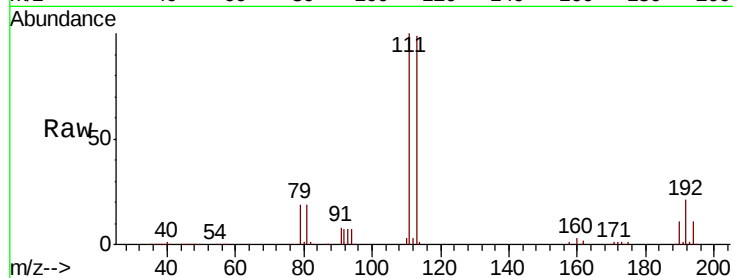
Tot Ion:113 Resp: 117441

Ion Ratio Lower Upper

113 100

111 101.8 82.3 123.5

192 21.9 17.4 26.2



#36

1,1-Dichloropropene

Concen: 5.158 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010925.D

Acq: 17 Jul 2019 11:03

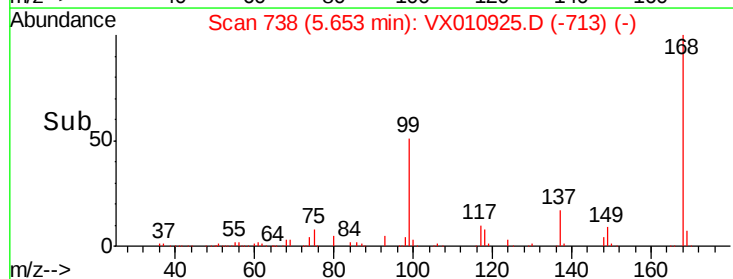
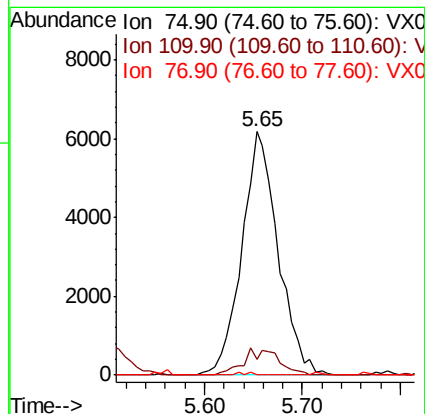
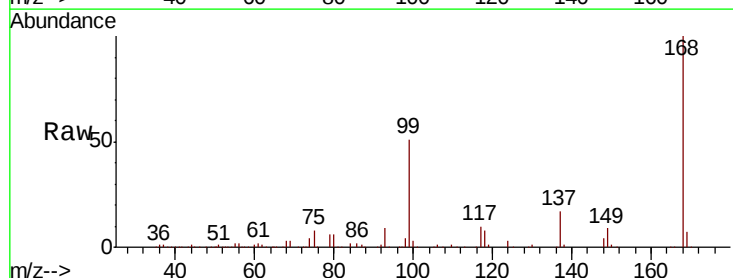
Tgt Ion: 75 Resp: 15925

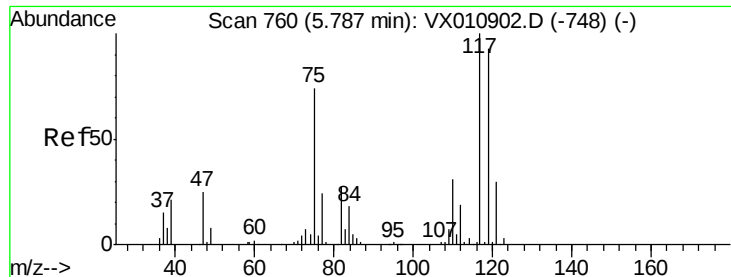
Ion Ratio Lower Upper

75 100

110 10.6 19.9 59.7#

77 0.4 25.0 37.4#

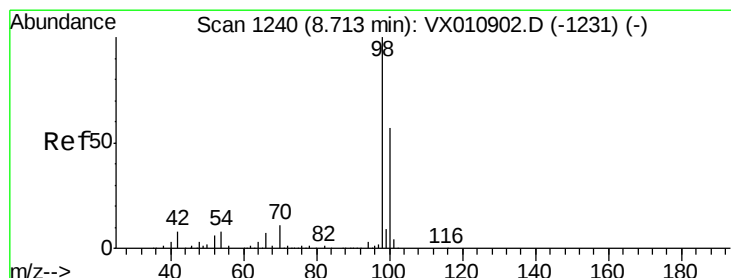
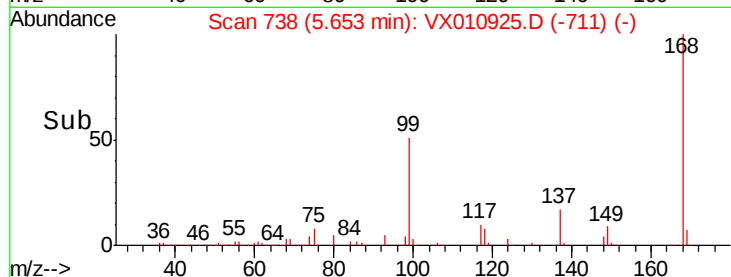
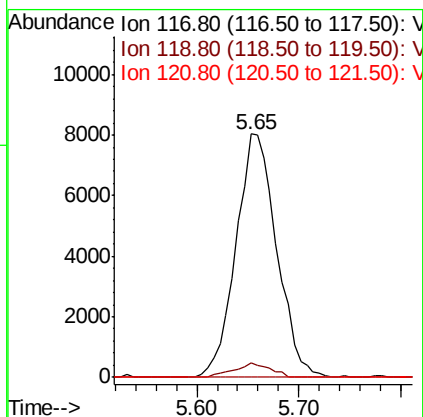
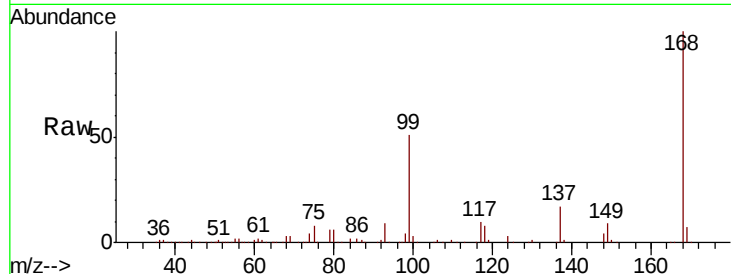




#38
Carbon Tetrachloride
Concen: 6.911 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX010925.D
Acq: 17 Jul 2019 11:03

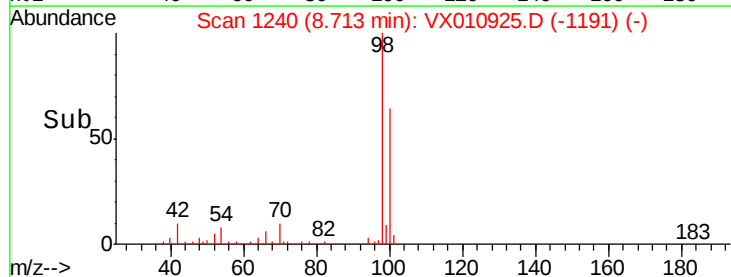
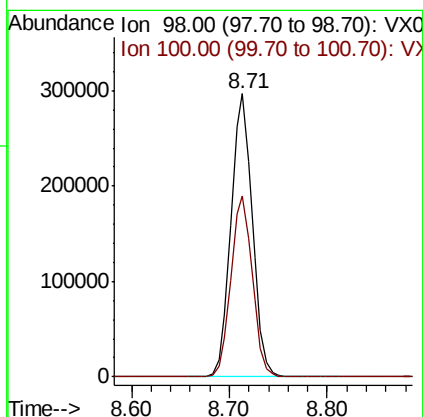
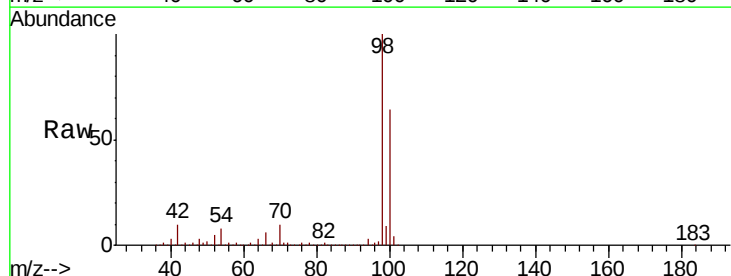
Instrument :
MSVOA_X
ClientSampled :
TB-2

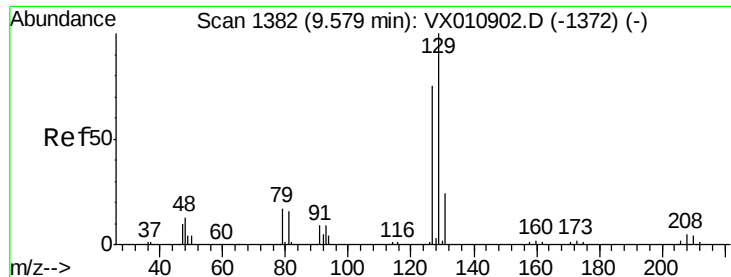
Tot Ion:117 Resp: 22236
Ion Ratio Lower Upper
117 100
119 6.0 74.2 111.2#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.357 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010925.D
Acq: 17 Jul 2019 11:03

Tgt Ion: 98 Resp: 450613
Ion Ratio Lower Upper
98 100
100 64.0 50.6 75.8





#60

Dibromochloromethane

Concen: 2.544 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX010925.D

Acq: 17 Jul 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

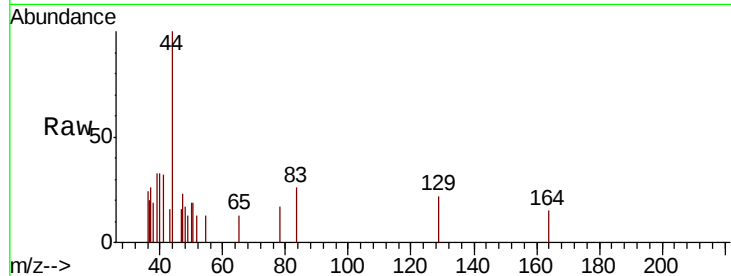
TB-2

Tot Ion:129 Resp: 51

Ion Ratio Lower Upper

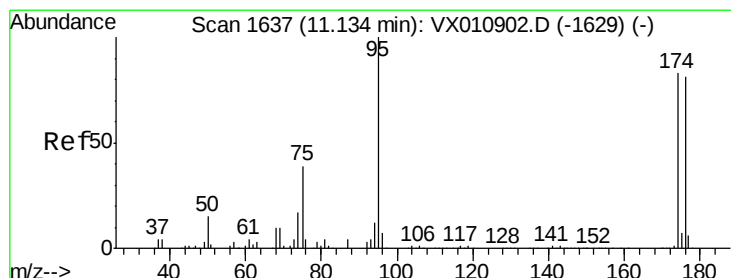
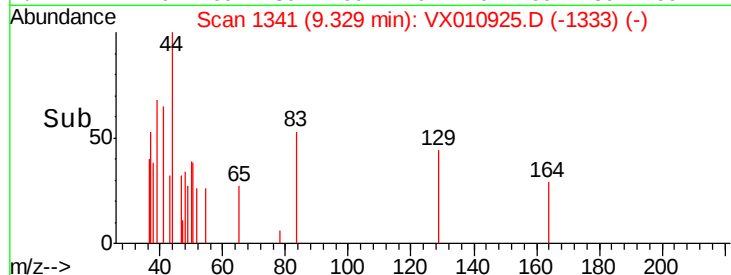
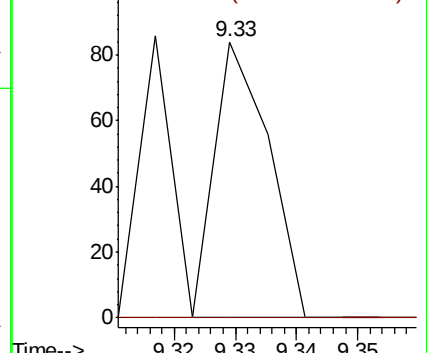
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 47.937 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010925.D

Acq: 17 Jul 2019 11:03

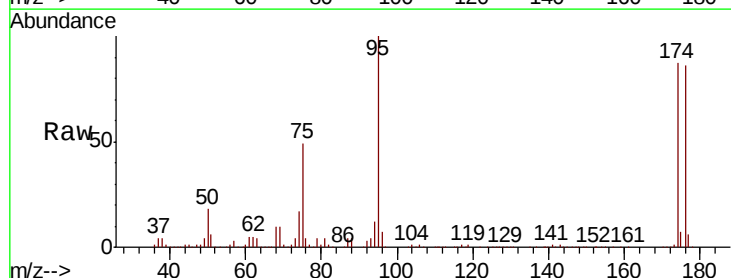
Tgt Ion: 95 Resp: 157672

Ion Ratio Lower Upper

95 100

174 89.7 0.0 180.6

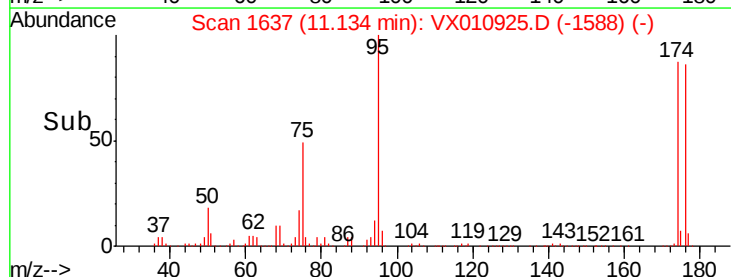
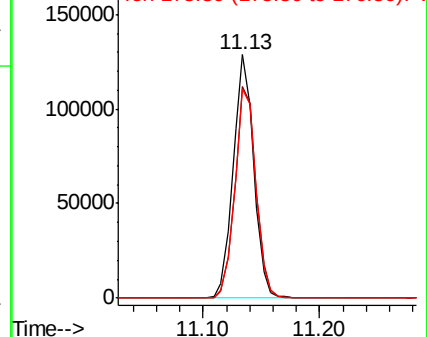
176 88.6 0.0 173.8

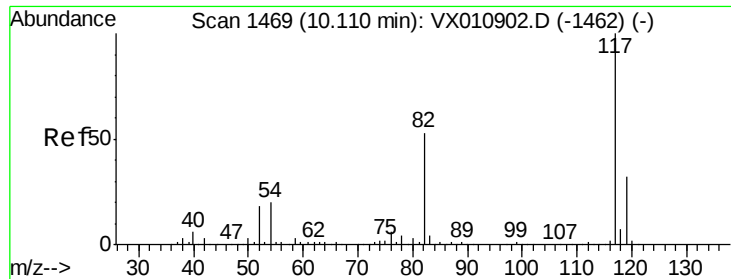


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

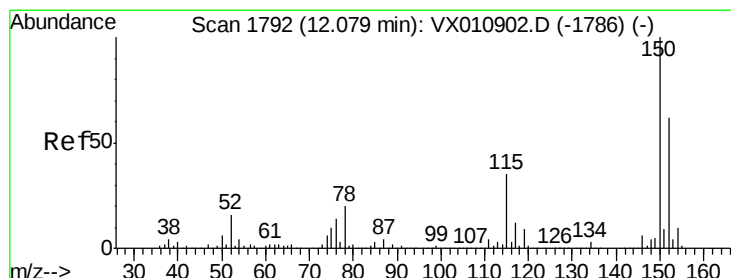
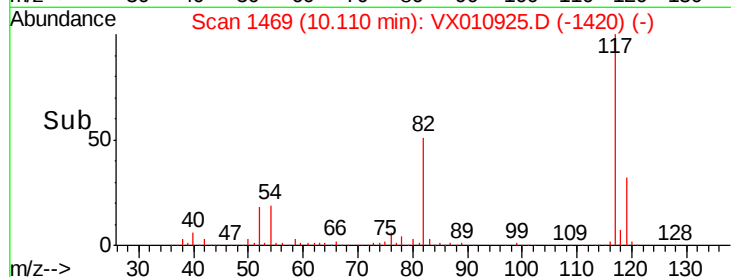
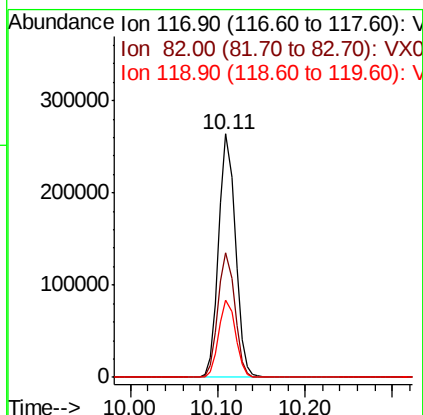
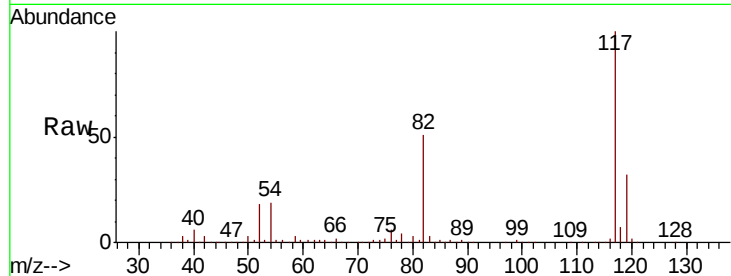




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010925.D
Acq: 17 Jul 2019 11:03

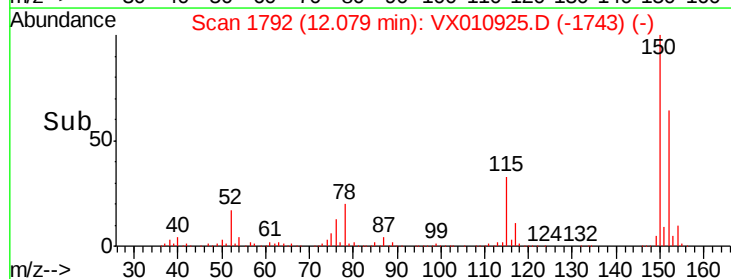
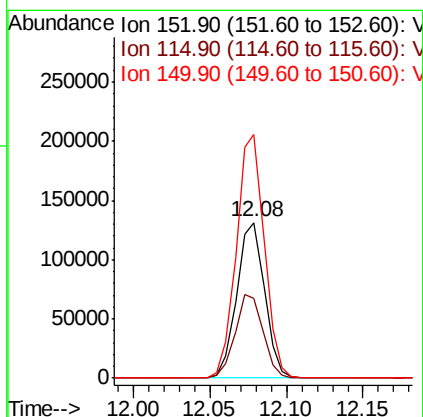
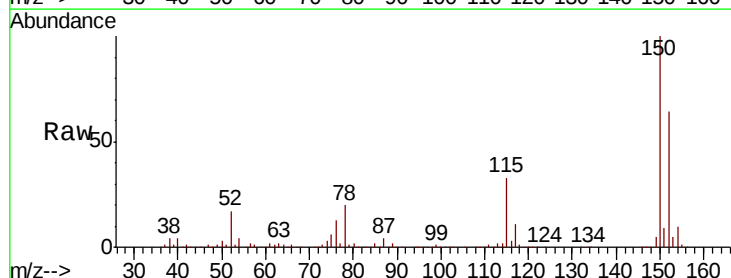
Instrument :
MSVOA_X
ClientSampleId :
TB-2

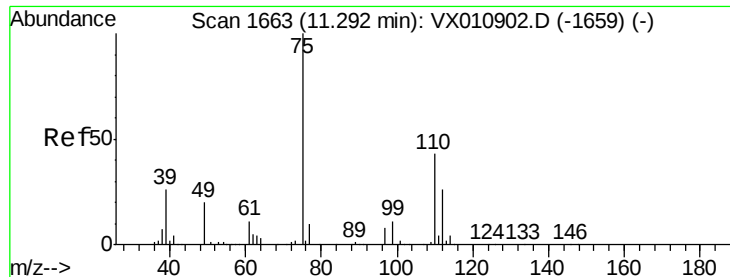
Tot Ion:117 Resp: 347959
Ion Ratio Lower Upper
117 100
82 51.3 42.6 63.8
119 31.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010925.D
Acq: 17 Jul 2019 11:03

Tgt Ion:152 Resp: 164914
Ion Ratio Lower Upper
152 100
115 54.0 39.7 119.1
150 157.8 0.0 345.6

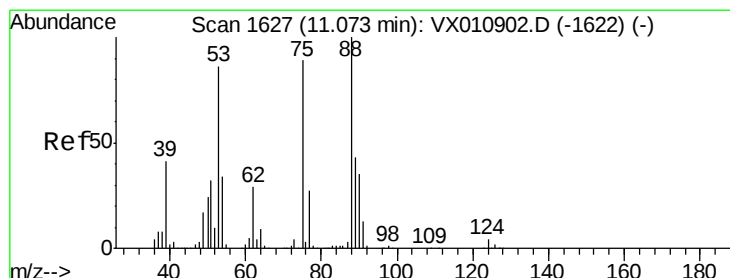
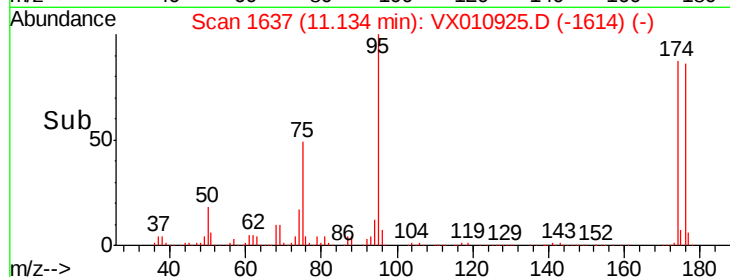
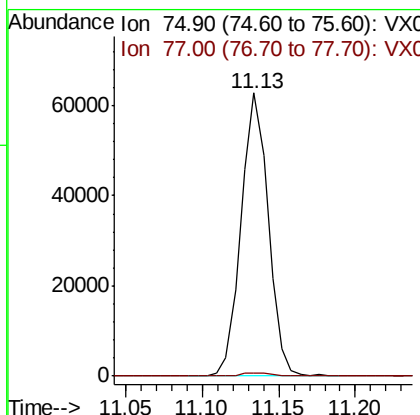
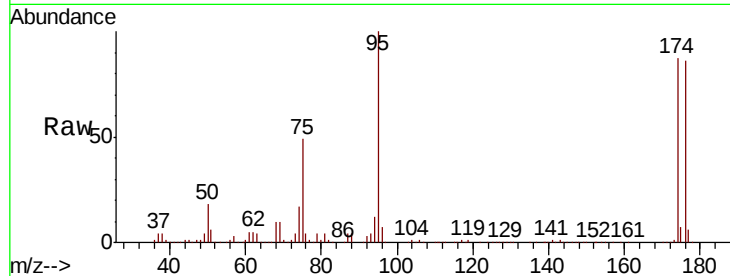




#76
 1,2,3-Trichloropropane
 Concen: 26.033 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010925.D
 Acq: 17 Jul 2019 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-2

Tot Ion: 75 Resp: 77472
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.3 64.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.685 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010925.D
 Acq: 17 Jul 2019 11:03

Tgt Ion: 75 Resp: 77472
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.7 115.1#
 89 0.1 38.5 57.7#

