

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040319\
 Data File : VX008615.D
 Acq On : 03 Apr 2019 13:55
 Operator : JC/SP
 Sample : VX0403WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0403WBL01

Quant Time: Apr 04 04:53:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	196476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	326191	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113070	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	134350	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
35) Dibromofluoromethane	5.49	113	98703	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	8.71	98	406685	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	11.13	95	134698	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

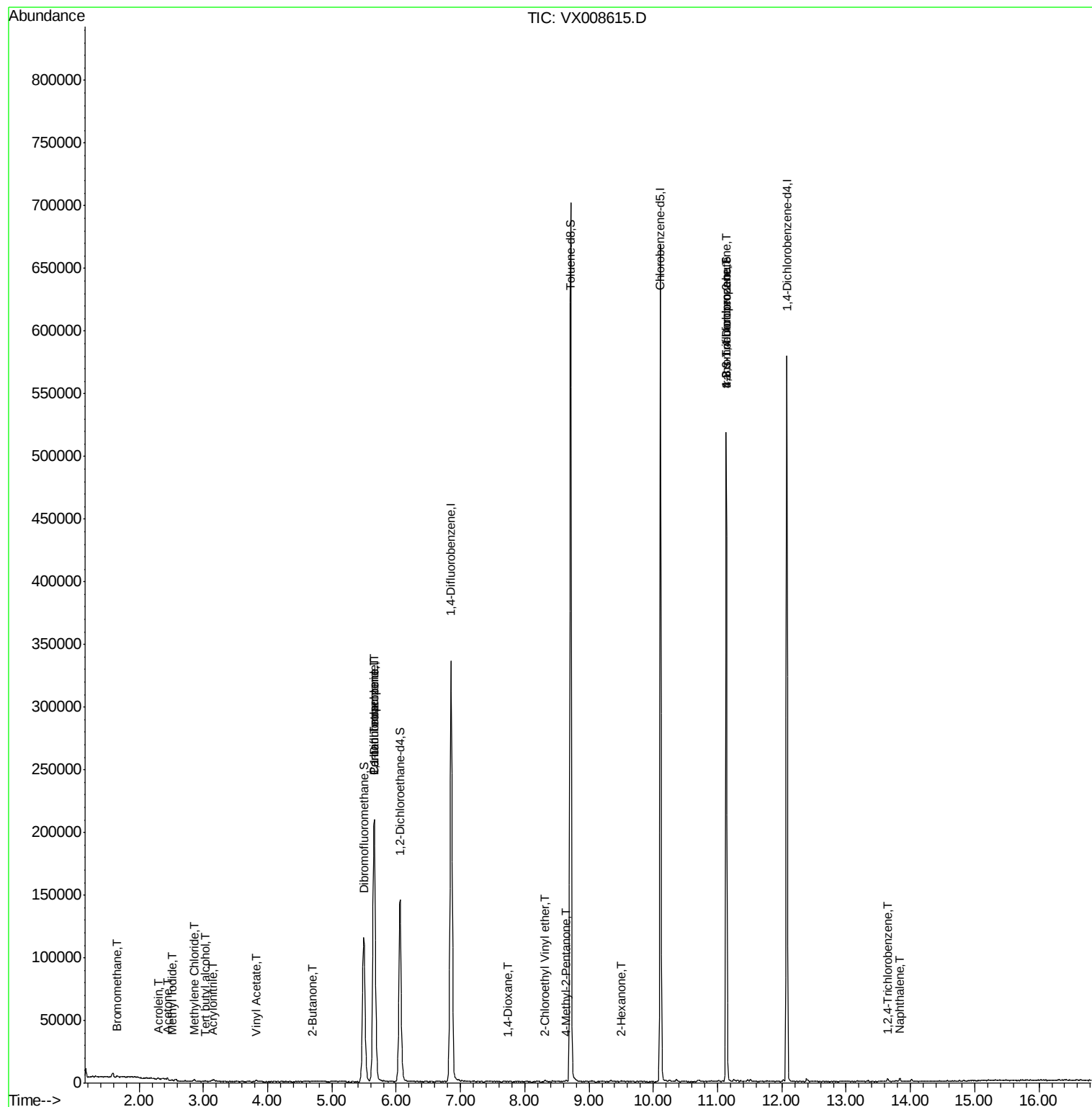
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	760	Below Cal		98
5) Bromomethane	1.66	94	646	2.298	ug/l	98
6) Chloroethane	1.71	64	1748	Below Cal	#	76
10) Methyl Iodide	2.51	142	553	4.260	ug/l #	85
11) Tert butyl alcohol	3.03	59	305	0.455	ug/l #	90
13) Acrolein	2.30	56	350	1.052	ug/l #	45
15) Acrylonitrile	3.14	53	1009	0.568	ug/l #	86
16) Acetone	2.44	43	985	0.597	ug/l #	82
17) Carbon Disulfide	2.57	76	2385	Below Cal	#	93
20) Methylene Chloride	2.86	84	693	0.251	ug/l #	81
23) Vinyl Acetate	3.82	43	1789	0.205	ug/l #	85
25) 2-Butanone	4.70	43	982	0.376	ug/l	98
28) Bromochloromethane	5.01	49	292	Below Cal	#	42
36) 1,1-Dichloropropene	5.66	75	16478	4.621	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18887	6.400	ug/l #	16
49) 1,4-Dioxane	7.73	88	63	0.892	ug/l #	43
51) 4-Methyl-2-Pentanone	8.63	43	1027	0.214	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	585	0.252	ug/l	99
59) 2-Hexanone	9.49	43	873	0.234	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	68468	22.043	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	68468	60.762	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.65	180	569	0.204	ug/l	87
95) Naphthalene	13.84	128	2055	0.221	ug/l	98

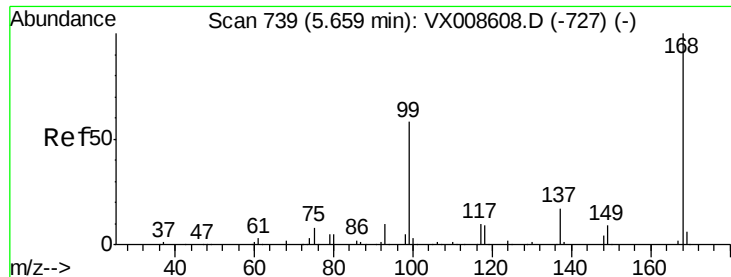
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040319\
Data File : VX008615.D
Acq On : 03 Apr 2019 13:55
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Sample : VX0403WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBL01

Quant Time: Apr 04 04:53:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 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: VX008615.D

Acq: 03 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

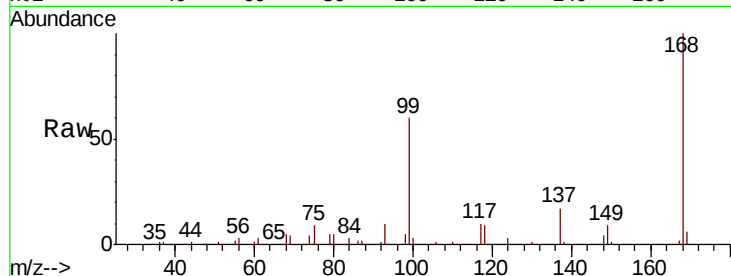
VX0403WBL01

Tot Ion:168 Resp: 196476

Ion Ratio Lower Upper

168 100

99 60.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

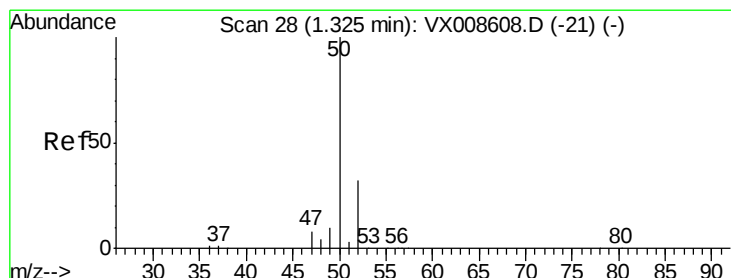
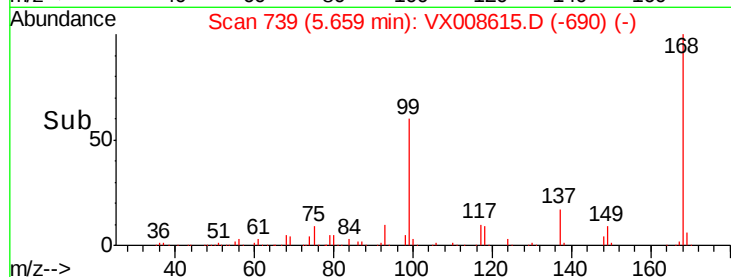
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008615.D

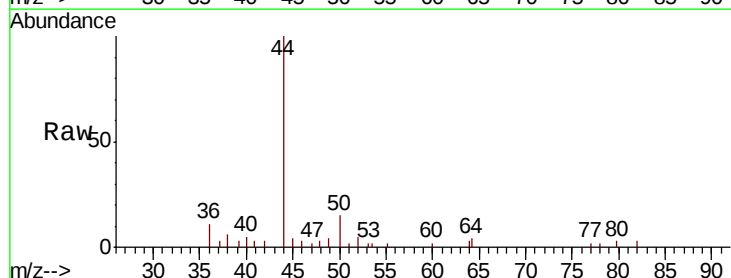
Acq: 03 Apr 2019 13:55

Tgt Ion: 50 Resp: 760

Ion Ratio Lower Upper

50 100

52 33.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

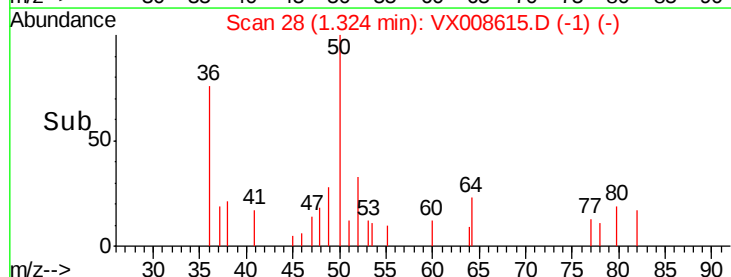
200

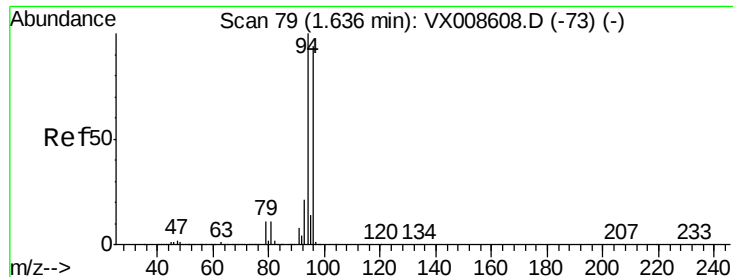
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.298 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

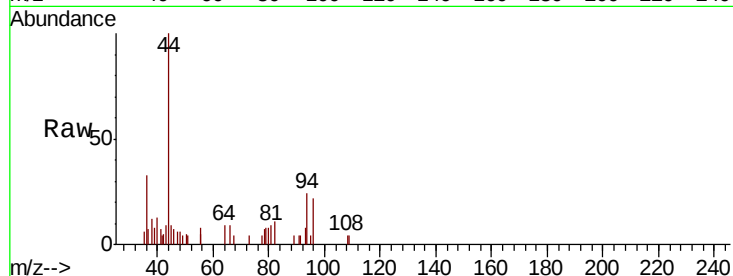
VX0403WBL01

Tot Ion: 94 Resp: 646

Ion Ratio Lower Upper

94 100

96 92.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

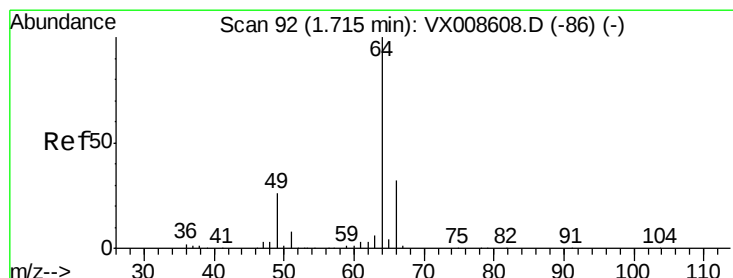
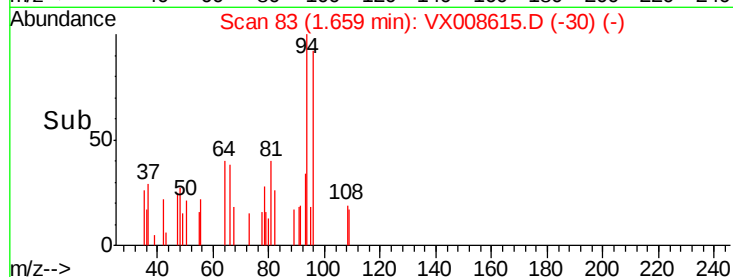
300

200

100

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008615.D

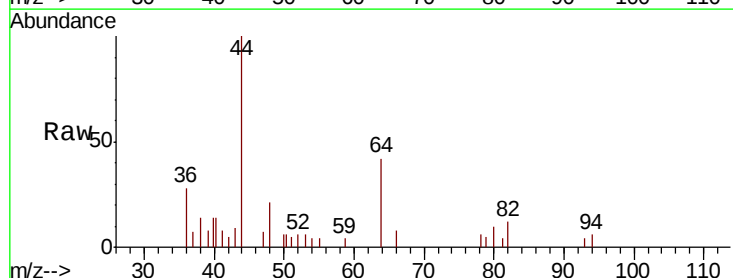
Acq: 03 Apr 2019 13:55

Tgt Ion: 64 Resp: 1748

Ion Ratio Lower Upper

64 100

66 18.6 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

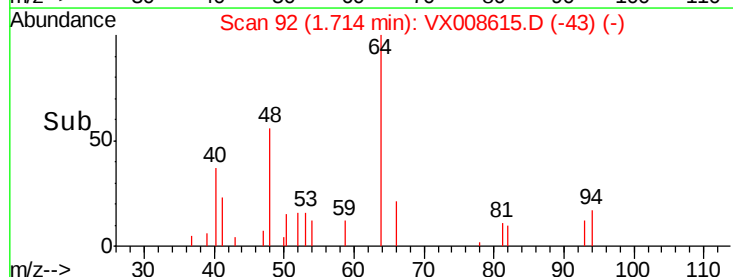
600

400

200

0

Time-->

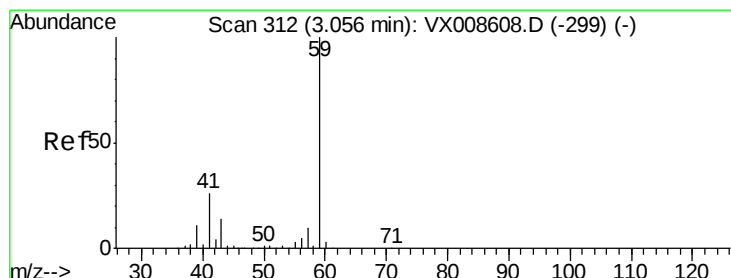
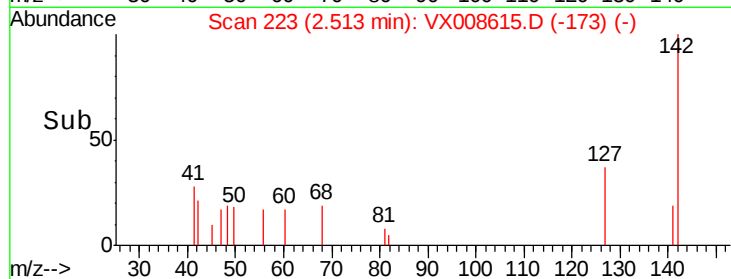
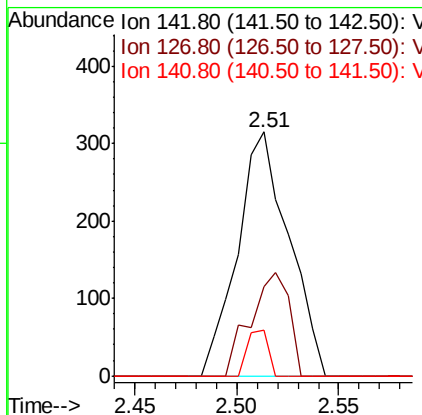
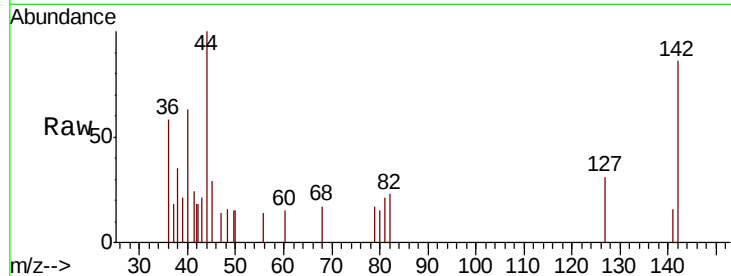




#10
Methvl Iodide
Concen: 4.260 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008615.D
Acq: 03 Apr 2019 13:55

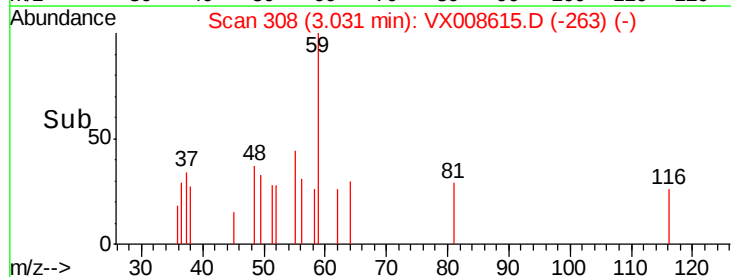
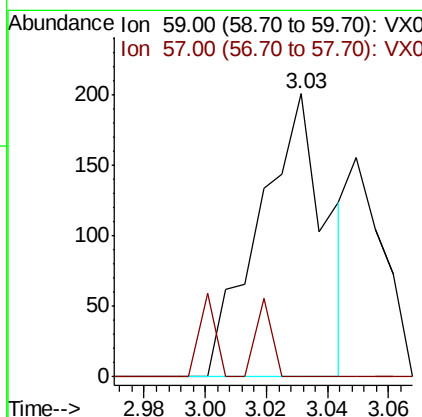
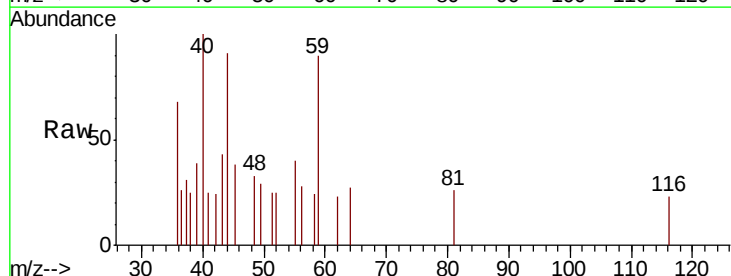
Instrument :
MSVOA_X
ClientSampleId :
VX0403WBL01

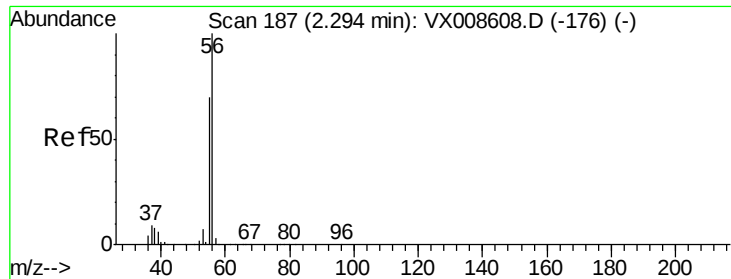
Tot Ion:142 Resp: 553
Ion Ratio Lower Upper
142 100
127 31.8 33.0 49.6#
141 7.6 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.455 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX008615.D
Acq: 03 Apr 2019 13:55

Tgt Ion: 59 Resp: 305
Ion Ratio Lower Upper
59 100
57 6.6 8.3 12.5#





#13

Acrolein

Concen: 1.052 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

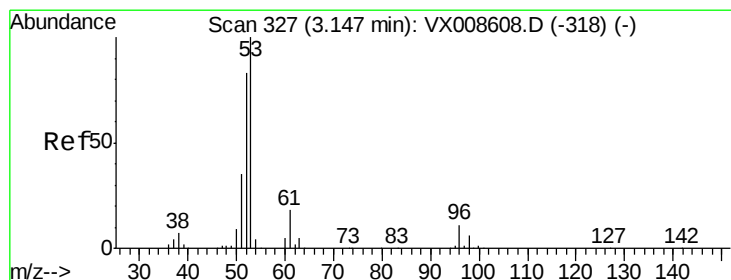
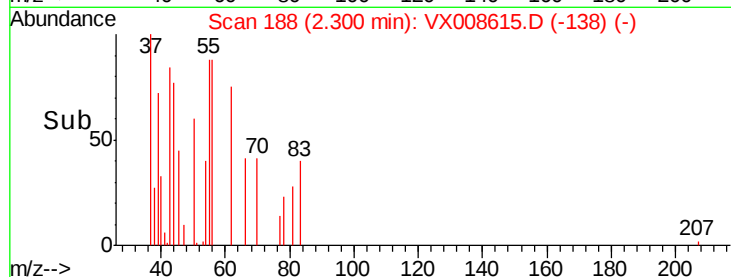
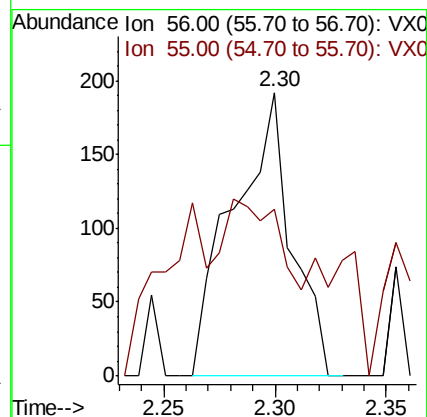
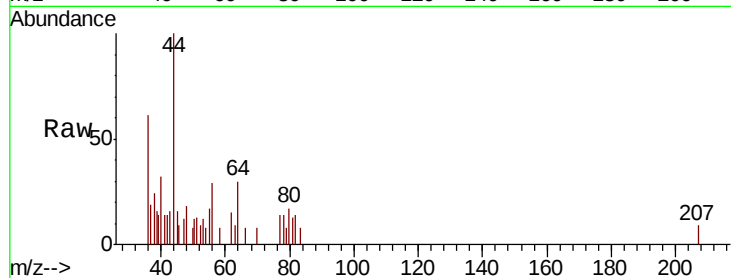
VX0403WBL01

Tot Ion: 56 Resp: 350

Ion Ratio Lower Upper

56 100

55 26.9 58.0 87.0#



#15

Acrylonitrile

Concen: 0.568 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

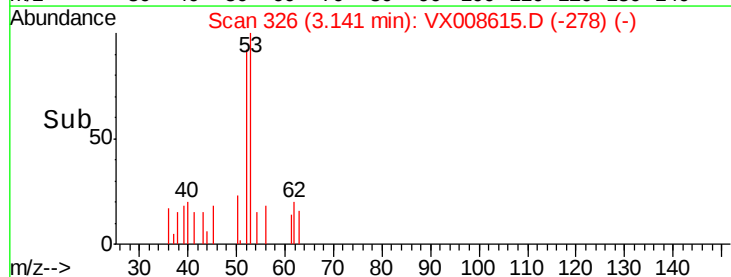
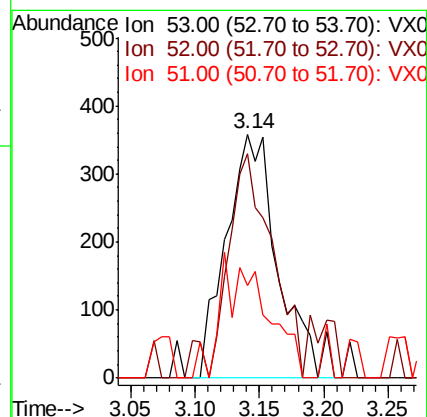
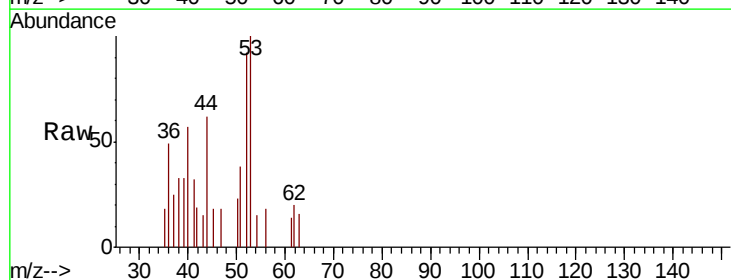
Tgt Ion: 53 Resp: 1009

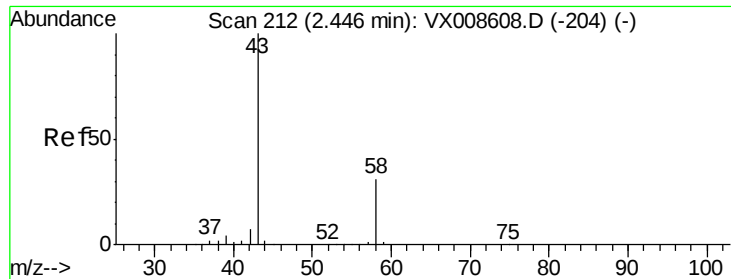
Ion Ratio Lower Upper

53 100

52 79.5 66.5 99.7

51 14.2 28.6 42.8#





#16

Acetone

Concen: 0.597 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

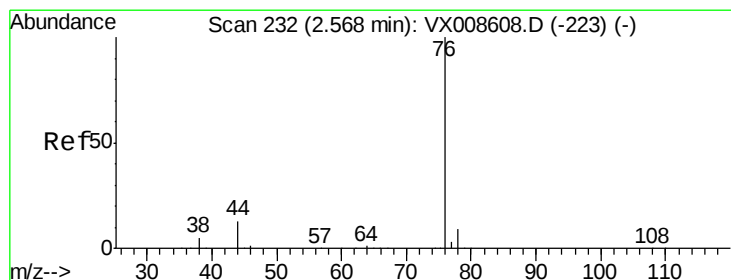
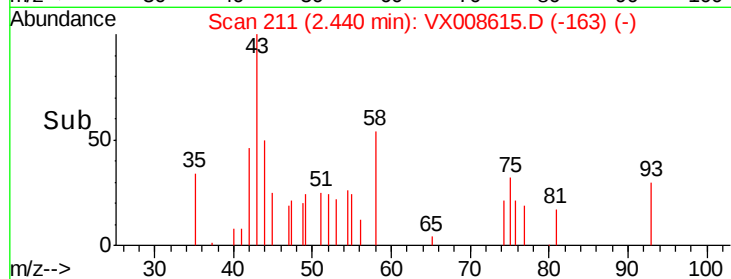
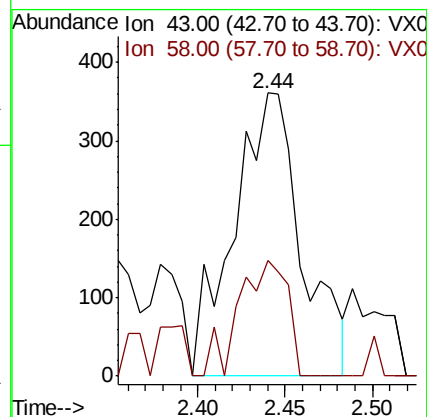
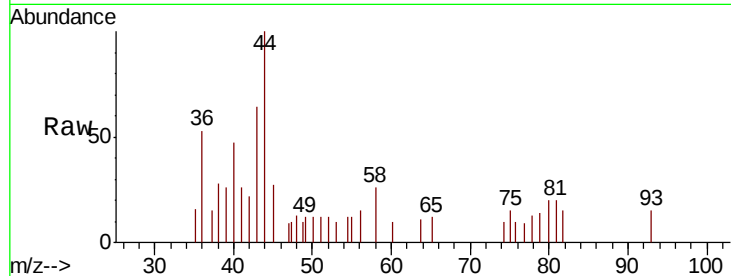
VX0403WBL01

Tot Ion: 43 Resp: 985

Ion Ratio Lower Upper

43 100

58 41.0 24.8 37.2#



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008615.D

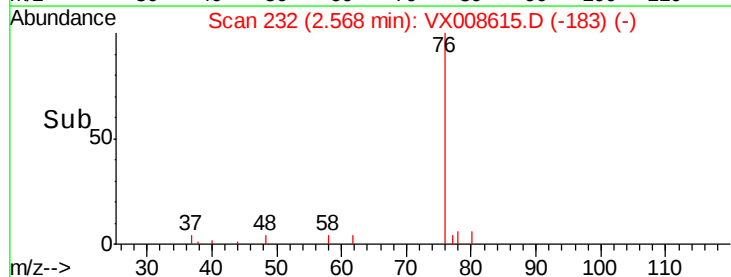
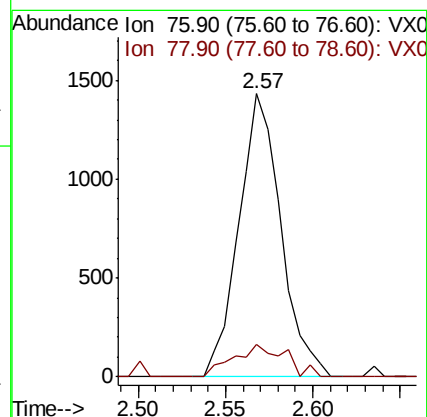
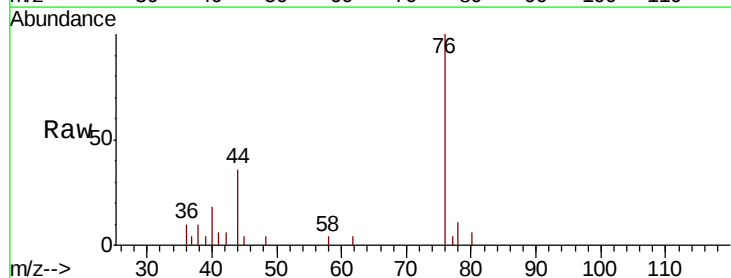
Acq: 03 Apr 2019 13:55

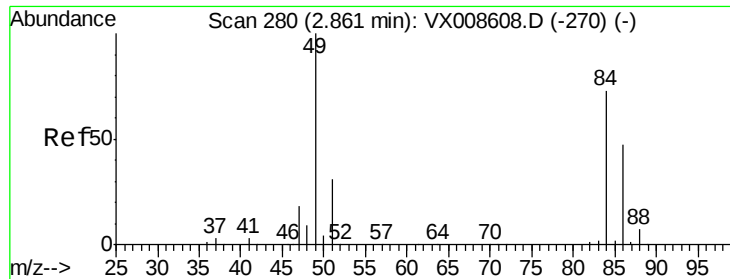
Tgt Ion: 76 Resp: 2385

Ion Ratio Lower Upper

76 100

78 11.3 7.1 10.7#

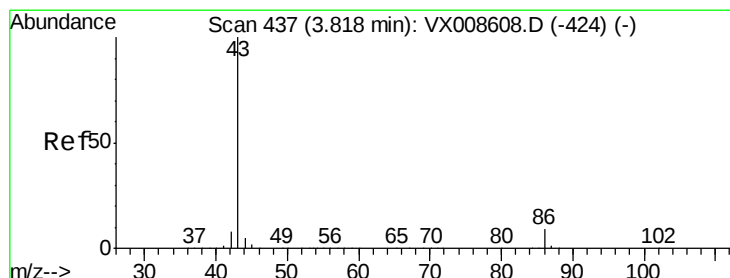
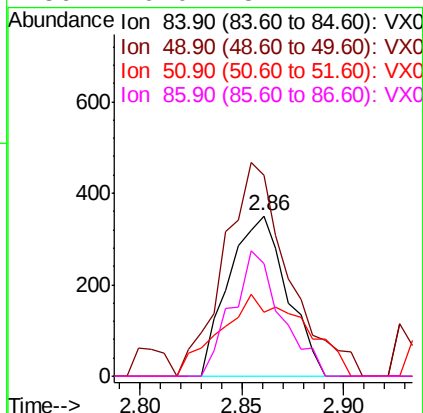
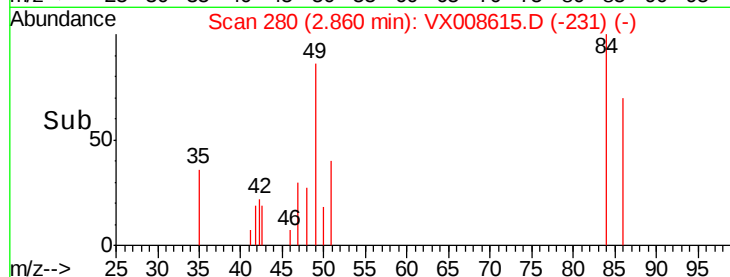
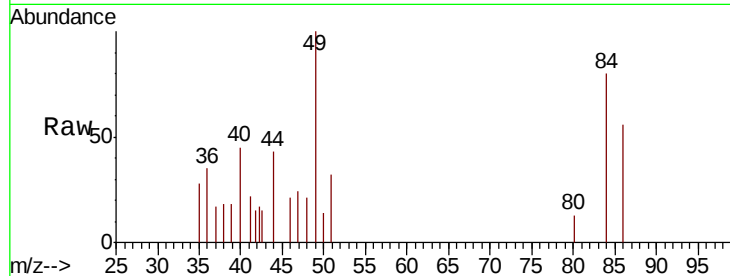




#20
Methvlene Chloride
Concen: 0.251 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008615.D
Acq: 03 Apr 2019 13:55

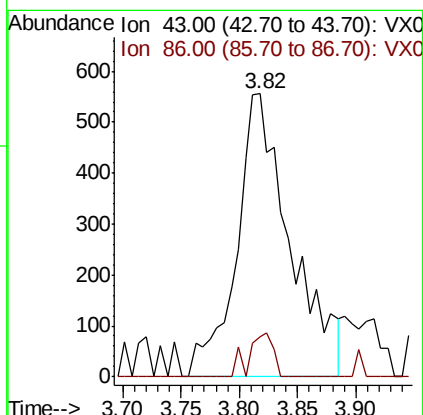
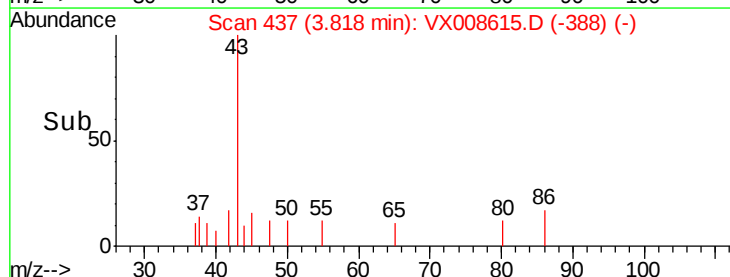
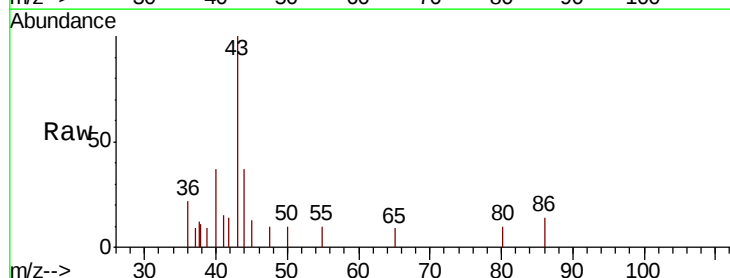
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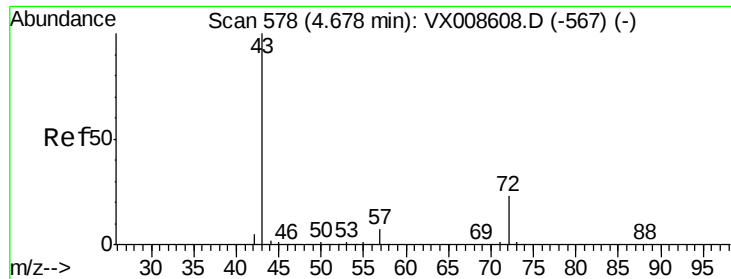
Tot Ion: 84 Resp: 693
Ion Ratio Lower Upper
84 100
49 110.0 109.7 164.5
51 26.0 33.6 50.4#
86 70.0 51.4 77.2



#23
Vinyl Acetate
Concen: 0.205 ug/l
RT: 3.82 min Scan# 437
Delta R.T. -0.00 min
Lab File: VX008615.D
Acq: 03 Apr 2019 13:55

Tgt Ion: 43 Resp: 1789
Ion Ratio Lower Upper
43 100
86 14.0 7.0 10.6#





#25

2-Butanone

Concen: 0.376 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

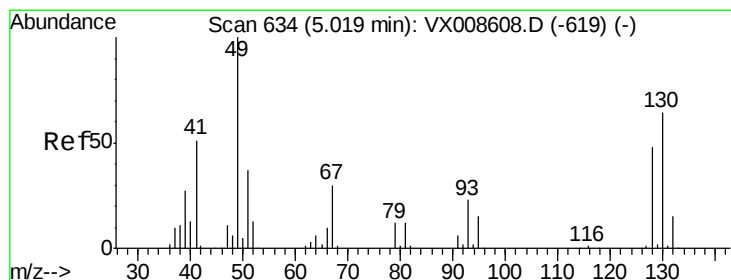
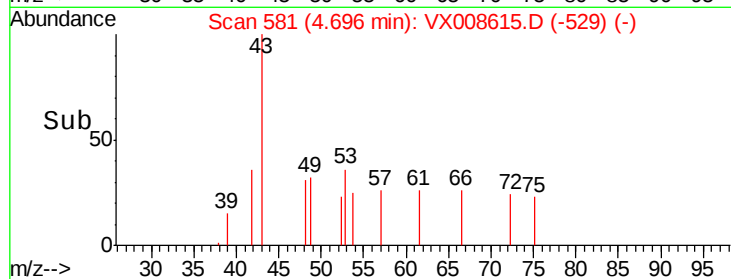
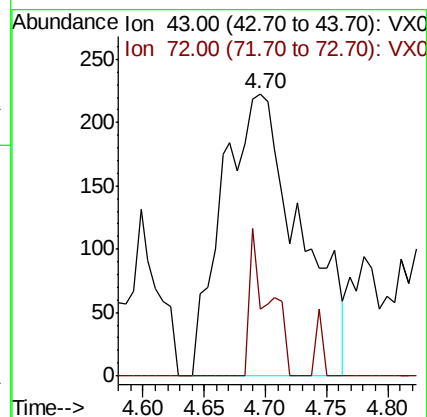
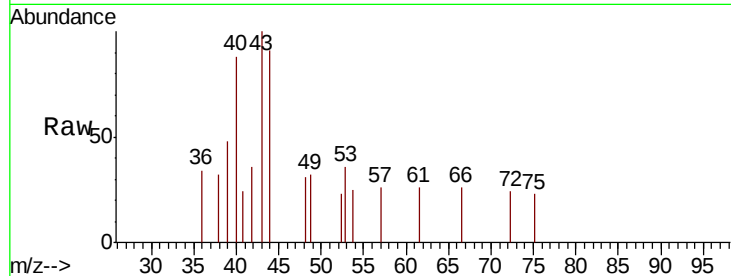
VX0403WBL01

Tot Ion: 43 Resp: 982

Ion Ratio Lower Upper

43 100

72 23.8 18.2 27.4



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

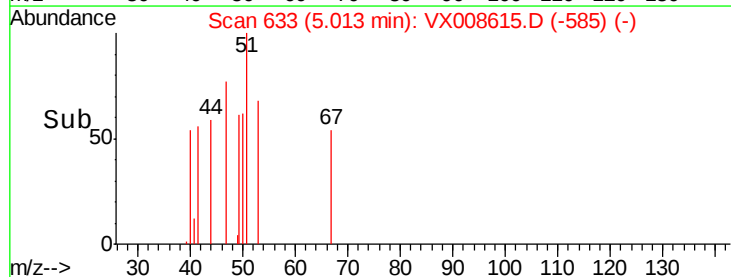
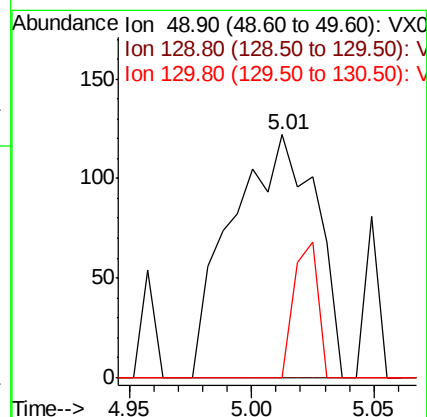
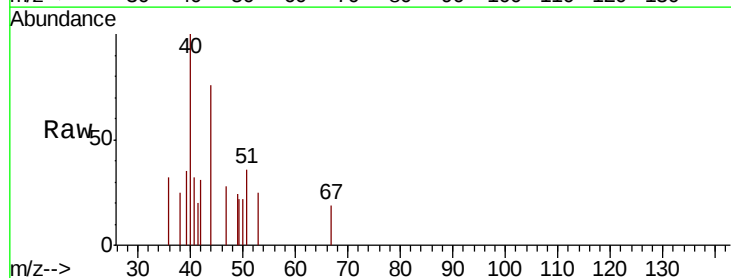
Tgt Ion: 49 Resp: 292

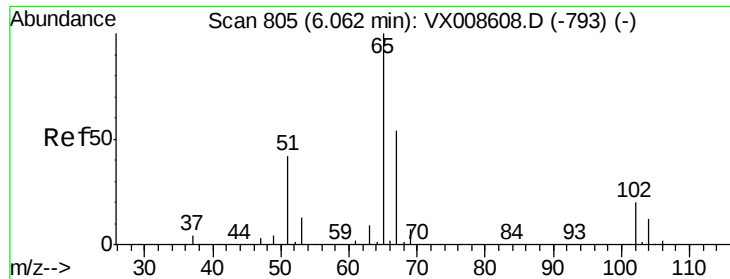
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 15.8 49.3 73.9#





#33

1,2-Dichloroethane-d4

Concen: 46.882 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

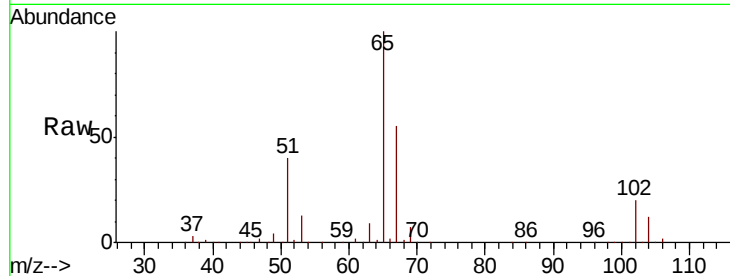
VX0403WBL01

Tot Ion: 65 Resp: 134350

Ion Ratio Lower Upper

65 100

67 54.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

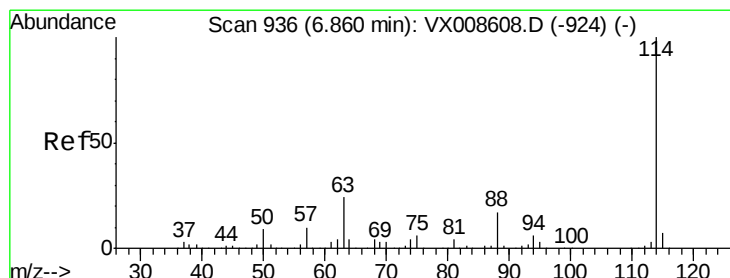
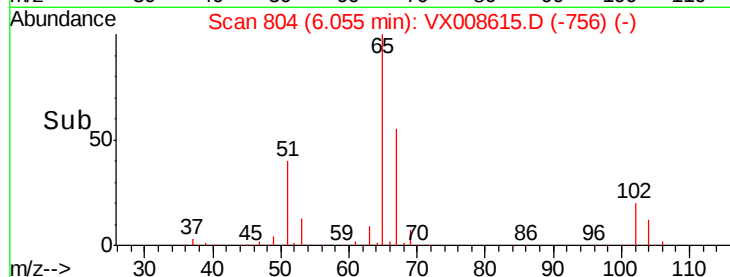
20000

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: VX008615.D

Acq: 03 Apr 2019 13:55

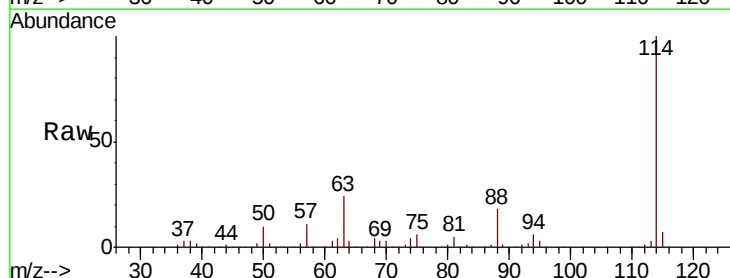
Tgt Ion: 114 Resp: 326191

Ion Ratio Lower Upper

114 100

63 24.1 0.0 47.2

88 17.6 0.0 34.0



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

6.85

150000

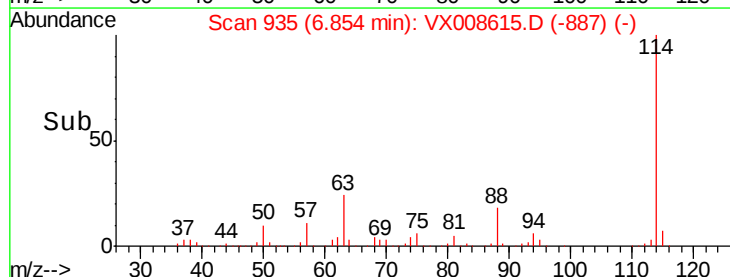
100000

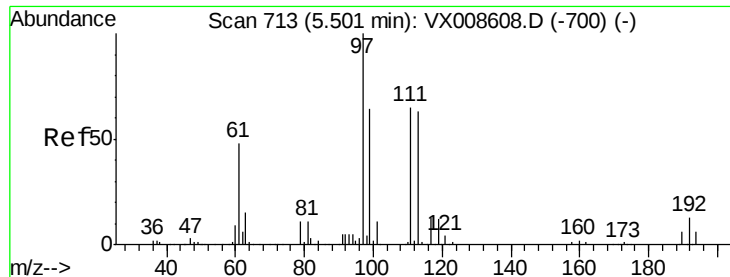
50000

0

Time-->

6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 47.327 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBL01

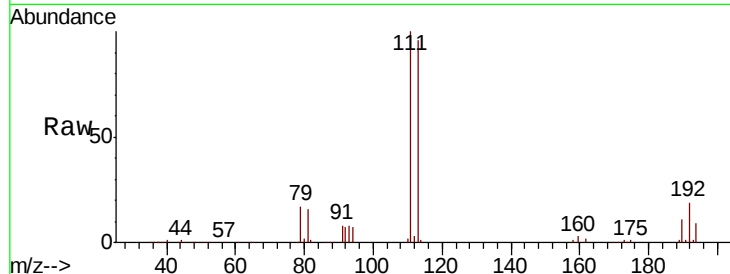
Tot Ion:113 Resp: 98703

Ion Ratio Lower Upper

113 100

111 104.0 83.4 125.2

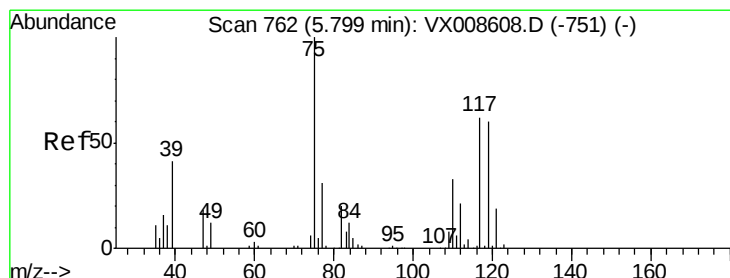
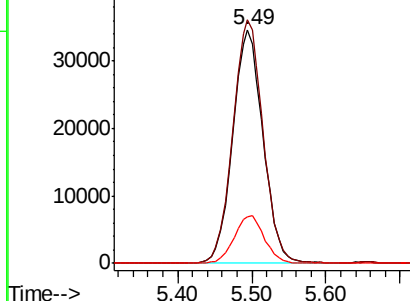
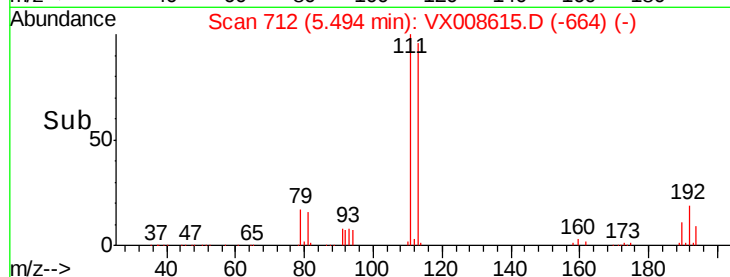
192 20.3 16.1 24.1



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: 4.621 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

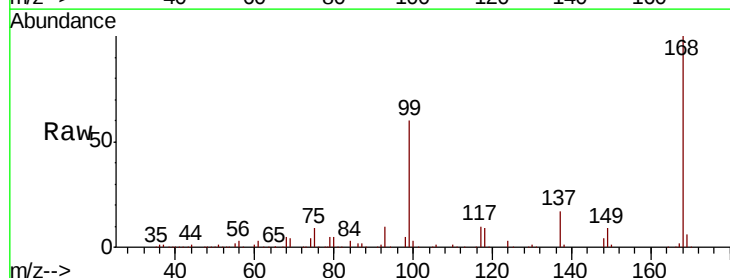
Tgt Ion: 75 Resp: 16478

Ion Ratio Lower Upper

75 100

110 8.3 16.4 49.2#

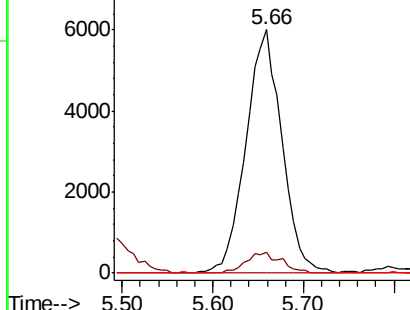
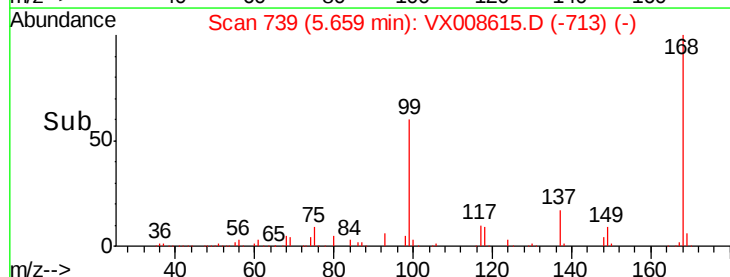
77 0.0 24.7 37.1#

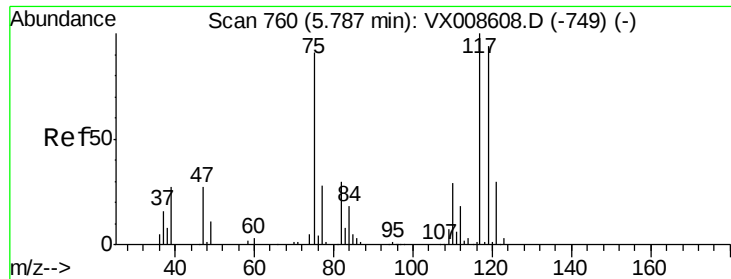


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.400 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBL01

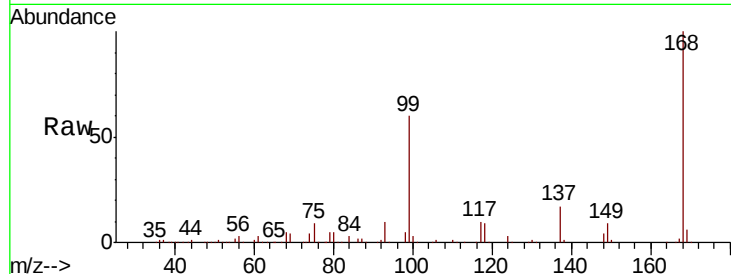
Tot Ion:117 Resp: 18887

Ion Ratio Lower Upper

117 100

119 3.7 75.0 112.6#

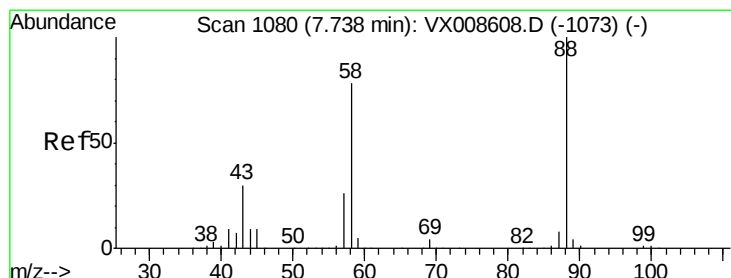
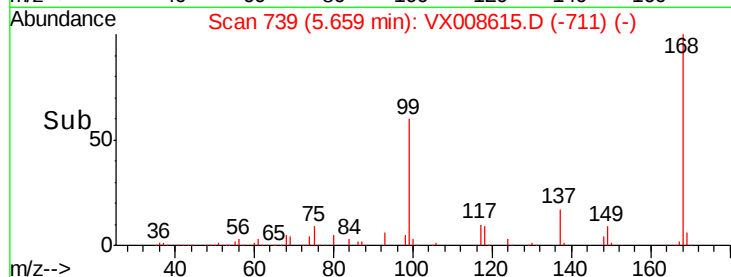
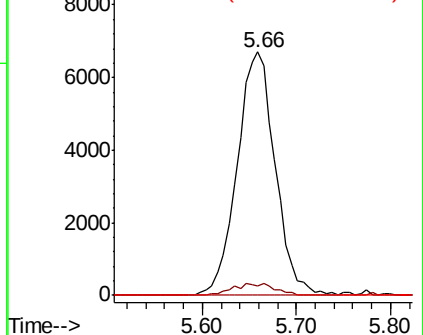
121 0.0 24.3 36.5#



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: 0.892 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

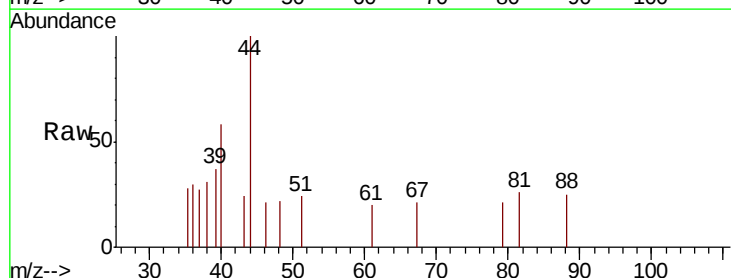
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 28.6 43.0#

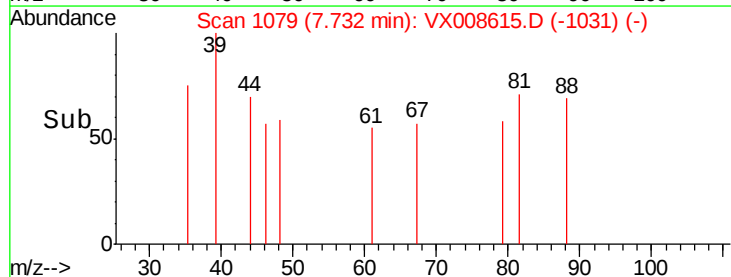
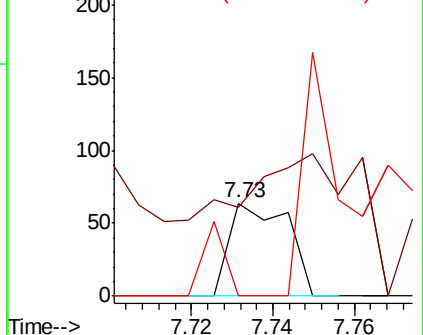
58 30.2 62.2 93.2#

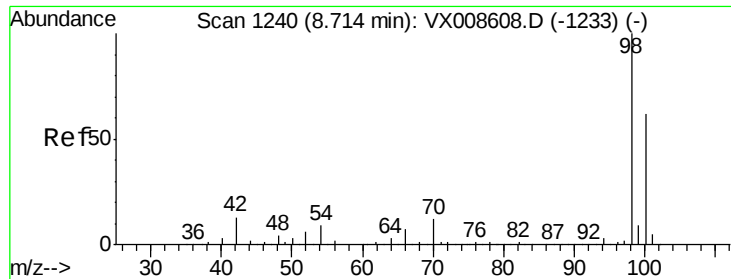


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

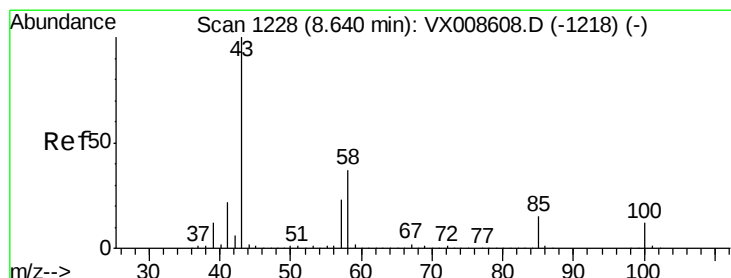
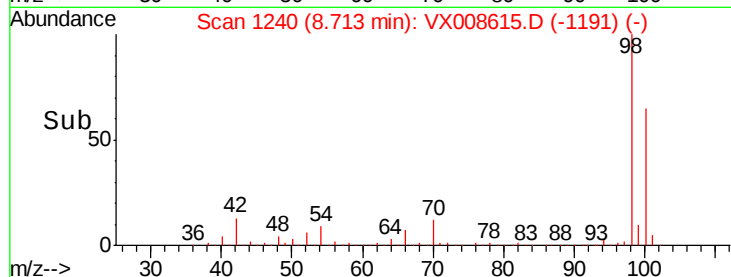
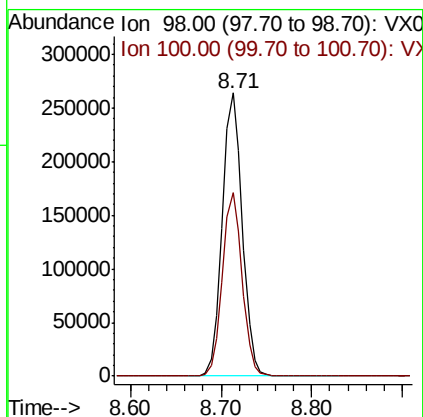
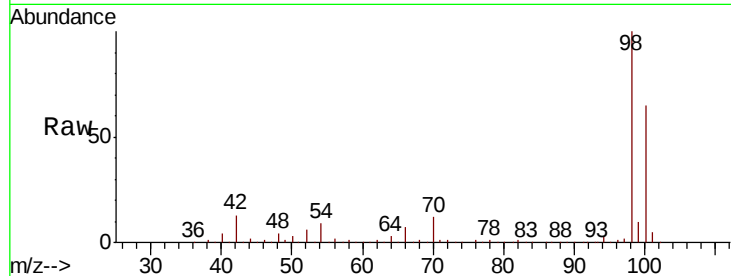




#50
Toluene-d8
Concen: 48.974 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008615.D
Acq: 03 Apr 2019 13:55

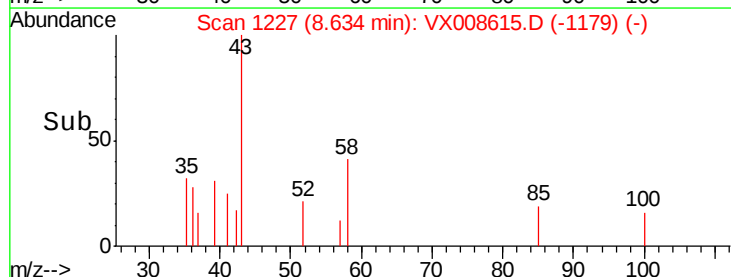
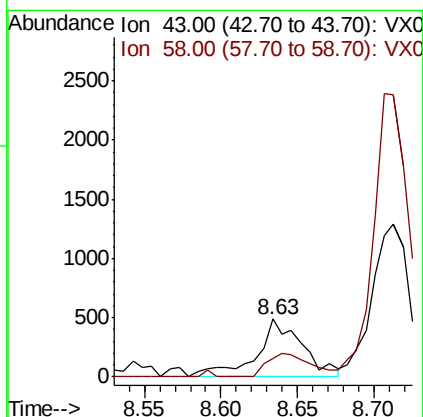
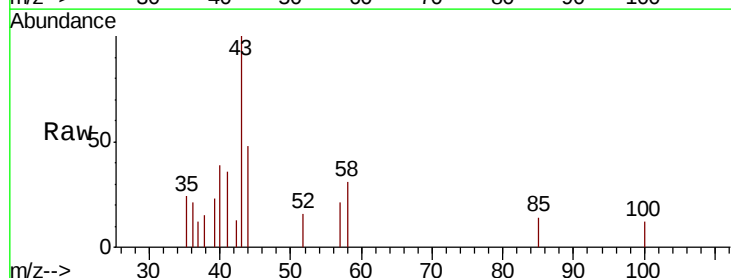
Instrument :
MSVOA_X
ClientSampleId :
VX0403WBL01

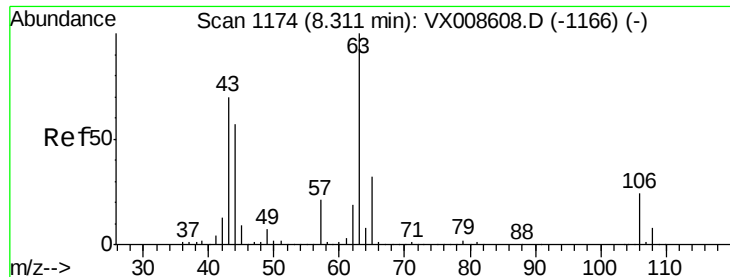
Tot Ion: 98 Resp: 406685
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.214 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX008615.D
Acq: 03 Apr 2019 13:55

Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
58 36.7 29.5 44.3

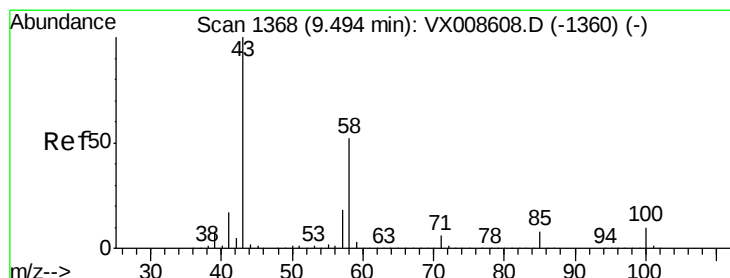
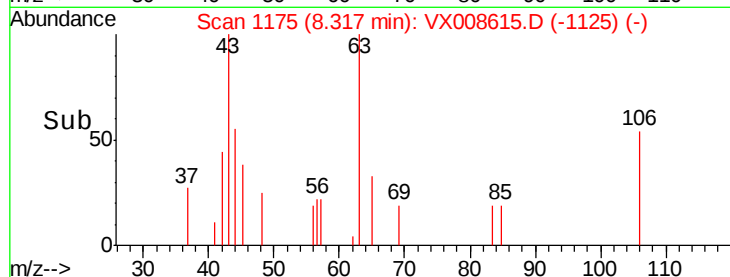
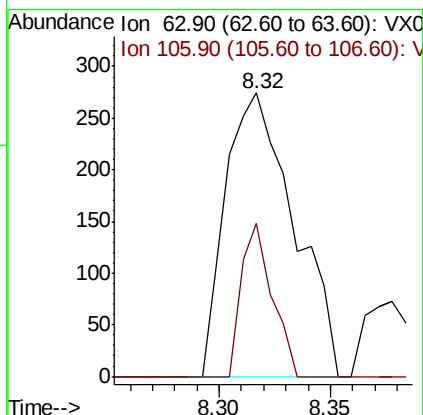
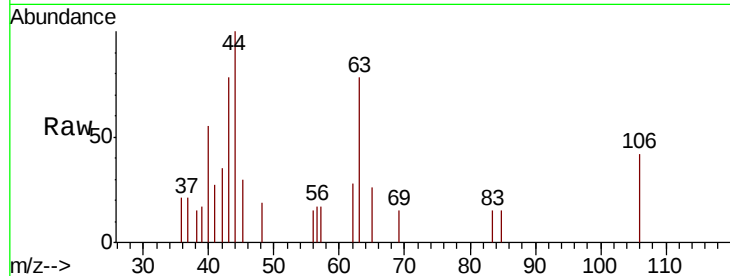




#58
2-Chloroethyl Vinyl ether
Concen: 0.252 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VX008615.D
Acq: 03 Apr 2019 13:55

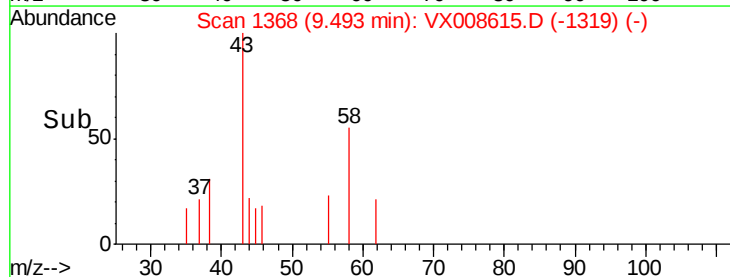
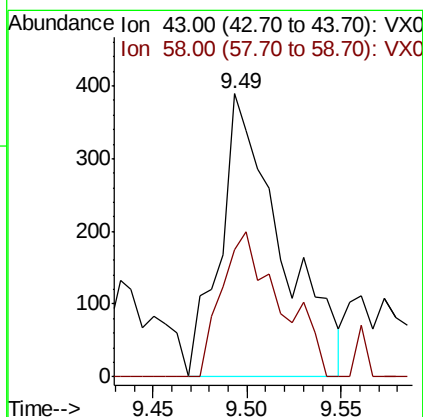
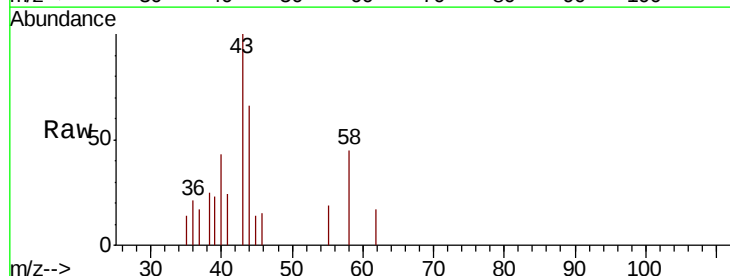
Instrument :
MSVOA_X
ClientSampleId :
VX0403WBL01

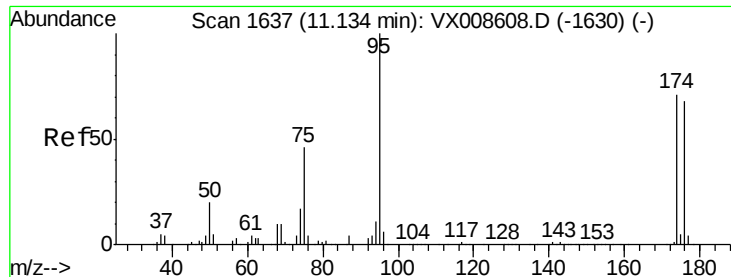
Tot Ion: 63 Resp: 585
Ion Ratio Lower Upper
63 100
106 24.4 19.0 28.6



#59
2-Hexanone
Concen: 0.234 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008615.D
Acq: 03 Apr 2019 13:55

Tgt Ion: 43 Resp: 873
Ion Ratio Lower Upper
43 100
58 49.4 25.9 77.7





#62

4-Bromofluorobenzene

Concen: 45.742 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBL01

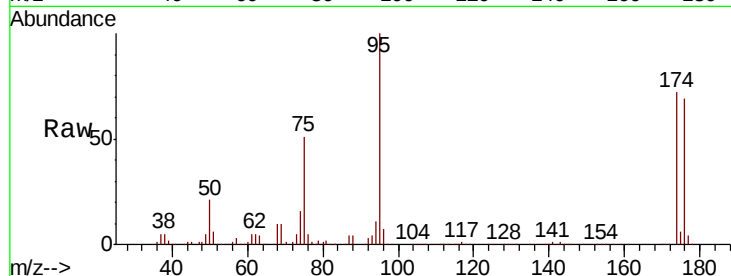
Tot Ion: 95 Resp: 134698

Ion Ratio Lower Upper

95 100

174 75.6 0.0 151.8

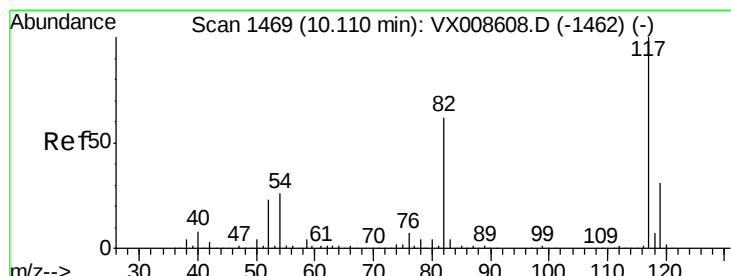
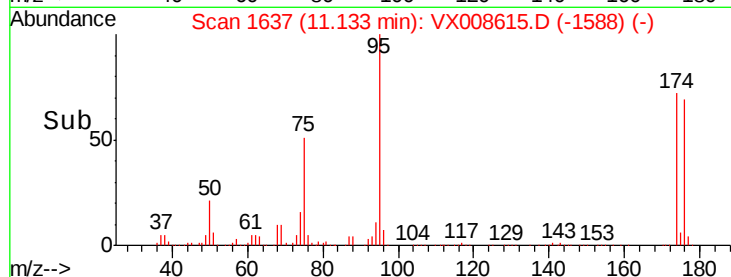
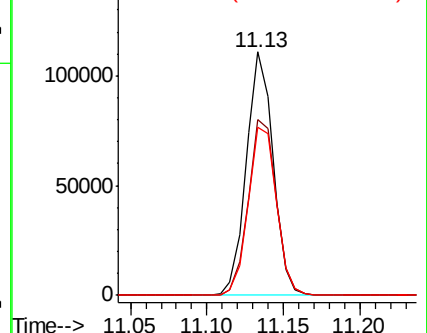
176 73.3 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008615.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008615.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008615.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

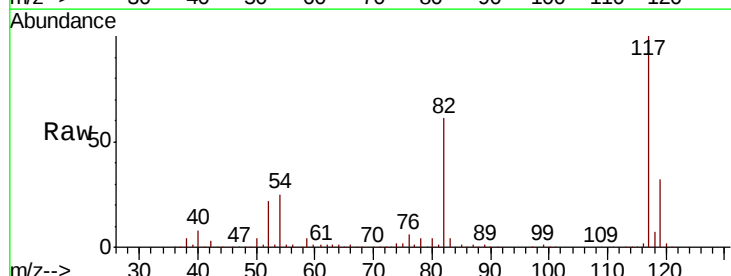
Tgt Ion: 117 Resp: 277338

Ion Ratio Lower Upper

117 100

82 60.9 49.6 74.4

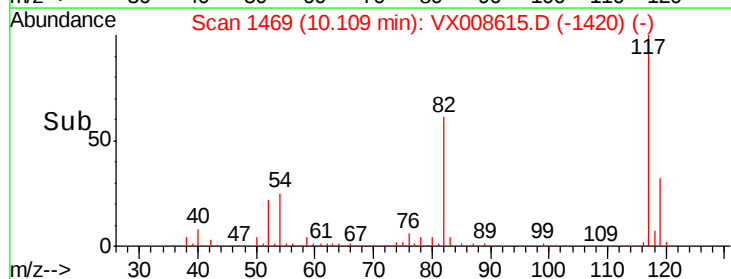
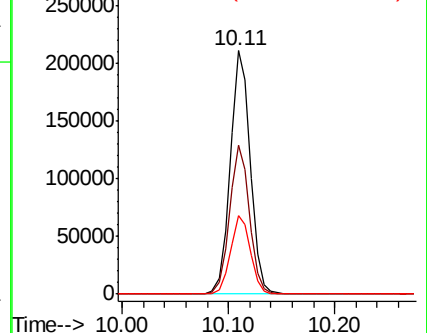
119 32.5 25.0 37.4

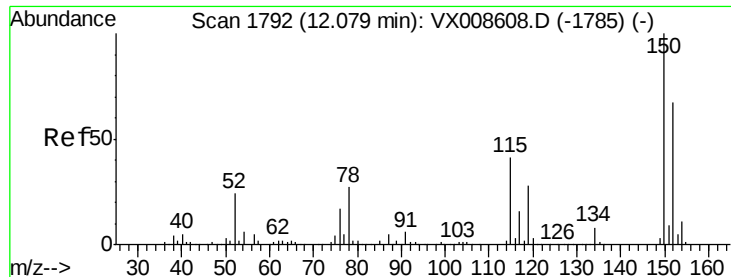


Abundance Ion 116.90 (116.60 to 117.60): VX008615.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008615.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008615.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: VX008615.D

Acq: 03 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBL01

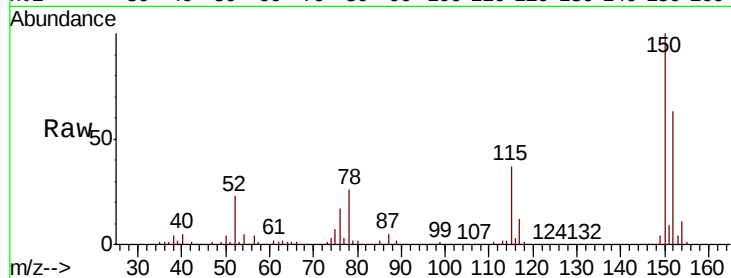
Tot Ion:152 Resp: 113070

Ion Ratio Lower Upper

152 100

115 60.8 43.5 130.5

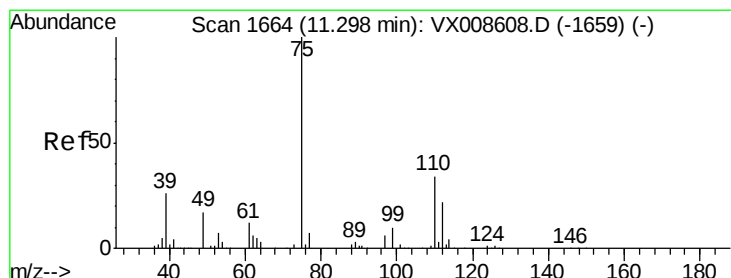
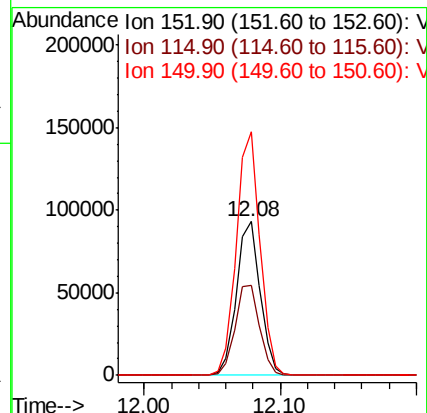
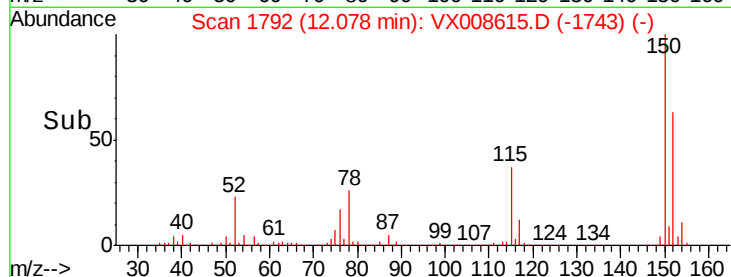
150 157.4 0.0 348.8



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: 22.043 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.17 min

Lab File: VX008615.D

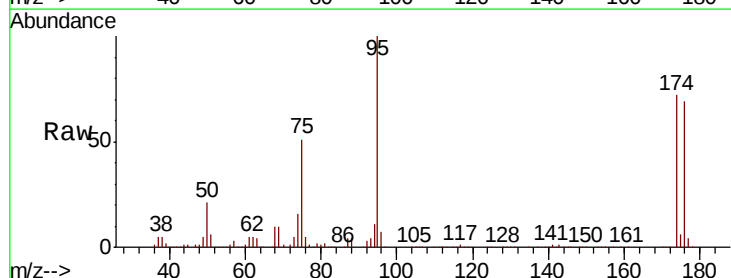
Acq: 03 Apr 2019 13:55

Tgt Ion: 75 Resp: 68468

Ion Ratio Lower Upper

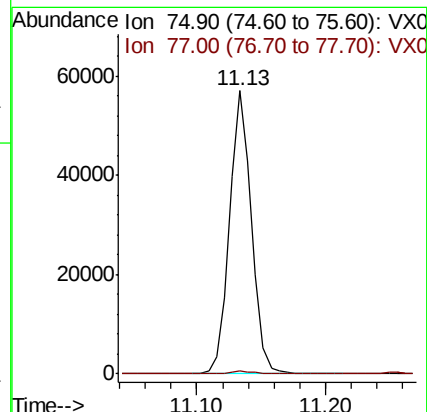
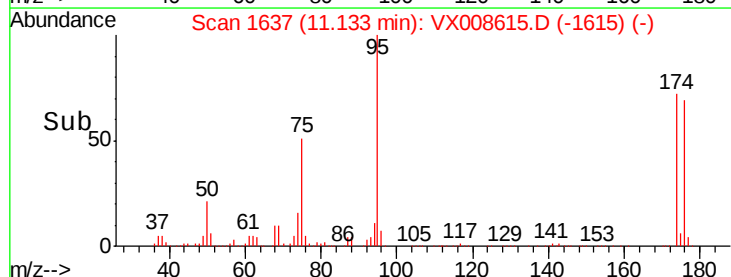
75 100

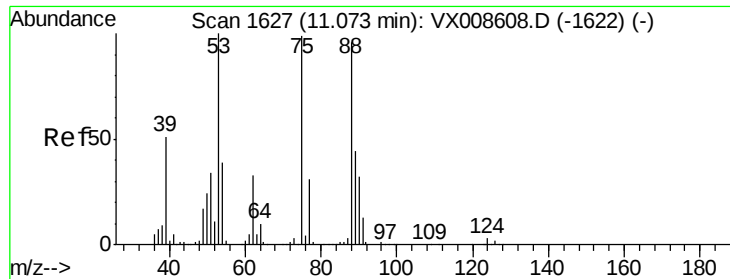
77 1.2 22.3 66.8#



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: 60.762 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBL01

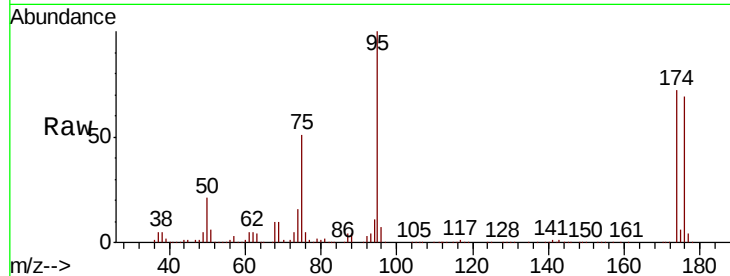
Tot Ion: 75 Resp: 68468

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

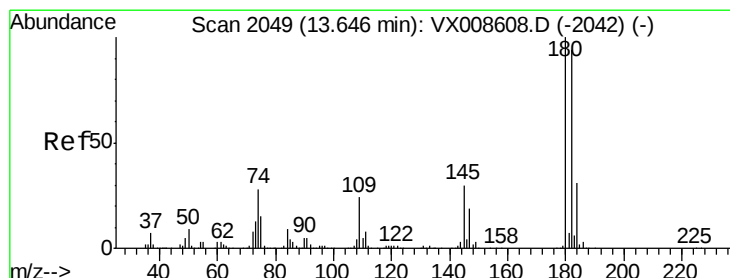
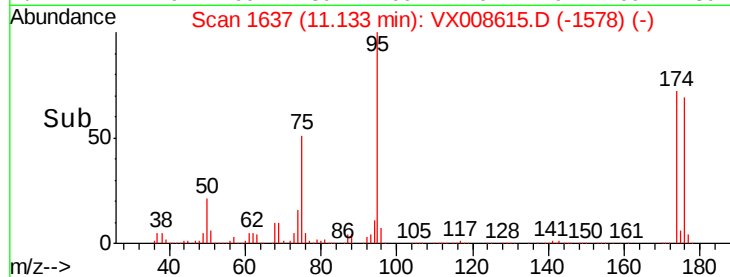
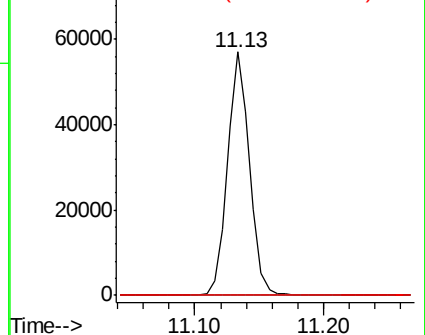
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#93

1,2,4-Trichlorobenzene

Concen: 0.204 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX008615.D

Acq: 03 Apr 2019 13:55

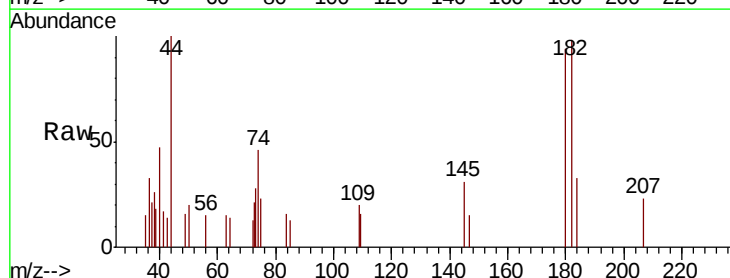
Tgt Ion:180 Resp: 569

Ion Ratio Lower Upper

180 100

182 78.7 47.2 141.6

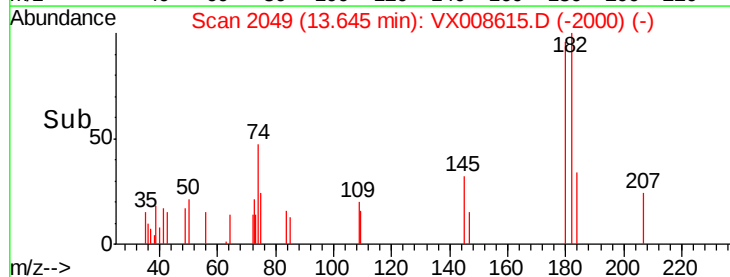
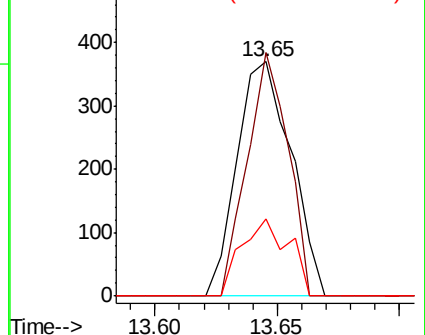
145 28.8 15.3 45.9

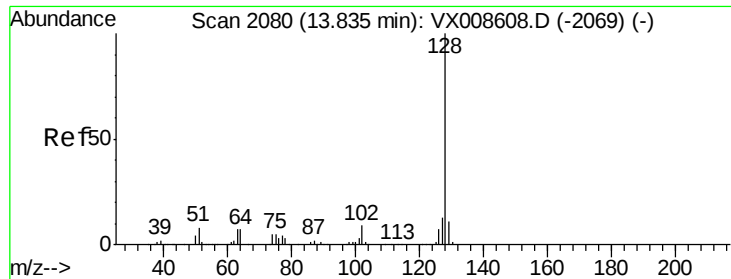


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

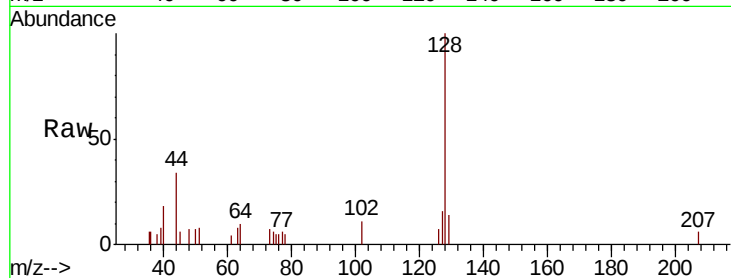




#95
Naphthalene
Concen: 0.221 ug/l
RT: 13.84 min Scan# 2081
Delta R.T. 0.01 min
Lab File: VX008615.D
Acq: 03 Apr 2019 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	11.9	8.6	13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

