

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008231.D
 Acq On : 20 Mar 2019 10:32
 Operator : JC/SP
 Sample : VX0320MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320MBL01

Quant Time: Mar 22 05:28:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	322062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	516355	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	431725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170272	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	220153	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	
35) Dibromofluoromethane	5.50	113	164145	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
50) Toluene-d8	8.71	98	632619	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
62) 4-Bromofluorobenzene	11.13	95	198041	43.89	ug/l	0.00
Spiked Amount			Recovery	=	87.78%	

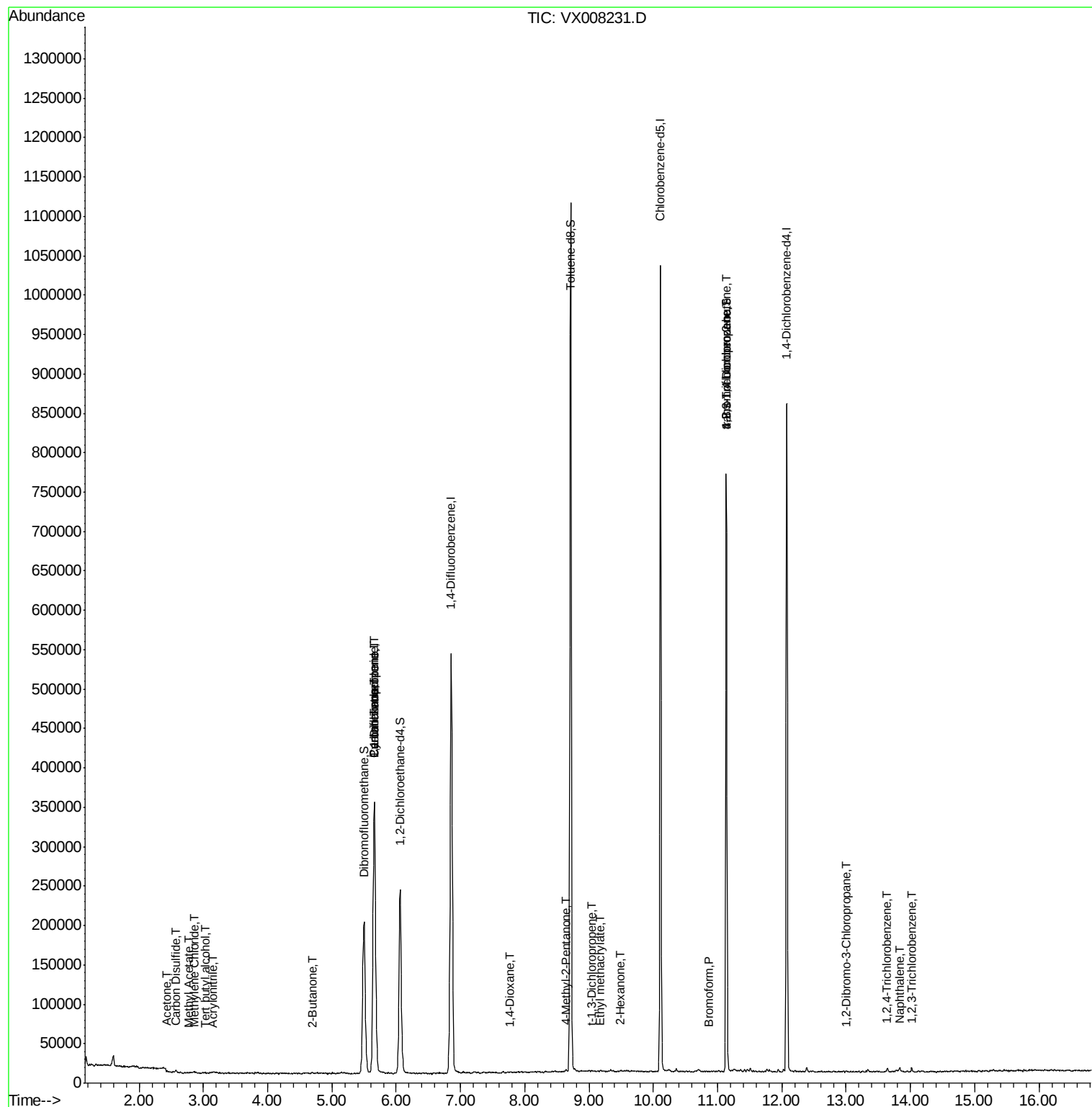
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	1039	1.001	ug/l #	56
13) Acrolein	2.30	56	229	Below Cal	#	43
15) Acrylonitrile	3.15	53	1254	0.457	ug/l	87
16) Acetone	2.44	43	1848	0.672	ug/l #	71
17) Carbon Disulfide	2.57	76	3266	0.928	ug/l #	92
18) Methyl Acetate	2.77	43	1324	0.208	ug/l	92
20) Methylene Chloride	2.86	84	1060	0.231	ug/l #	71
25) 2-Butanone	4.69	43	859	0.212	ug/l #	45
31) Cyclohexane	5.65	56	6899	0.857	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	27038	4.498	ug/l #	49
38) Carbon Tetrachloride	5.66	117	32066	5.986	ug/l #	17
49) 1,4-Dioxane	7.76	88	386	3.612	ug/l #	58
51) 4-Methyl-2-Pentanone	8.64	43	2046	0.278	ug/l #	65
53) t-1,3-Dichloropropene	9.04	75	662	1.512	ug/l #	71
56) Ethyl methacrylate	9.18	69	507	0.593	ug/l #	34
59) 2-Hexanone	9.50	43	1907	0.336	ug/l	82
71) Bromoform	10.85	173	119	2.238	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	102320	21.365	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	102320	54.338	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.00	75	399	0.330	ug/l #	30
93) 1,2,4-Trichlorobenzene	13.65	180	901	0.207	ug/l #	90
95) Naphthalene	13.83	128	3432	0.250	ug/l #	97
96) 1,2,3-Trichlorobenzene	14.02	180	1133	0.264	ug/l	94

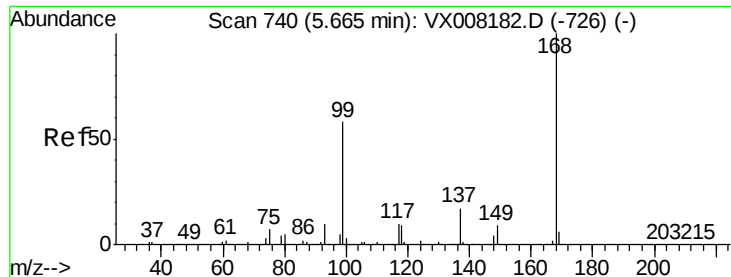
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032019\
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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0320MBL01

Quant Time: Mar 22 05:28:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 13:15:13 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: VX008231.D

Acq: 20 Mar 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

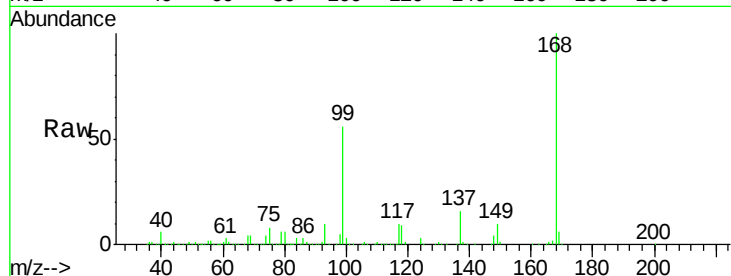
VX0320MBL01

Tot Ion:168 Resp: 322062

Ion Ratio Lower Upper

168 100

99 55.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

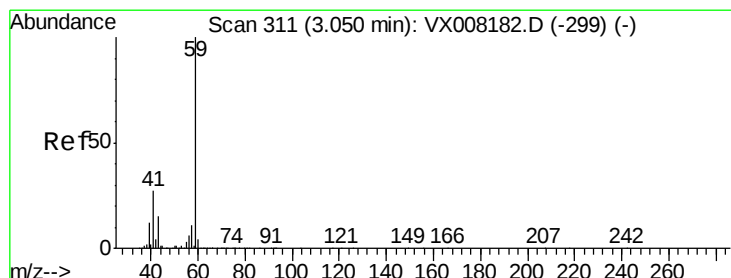
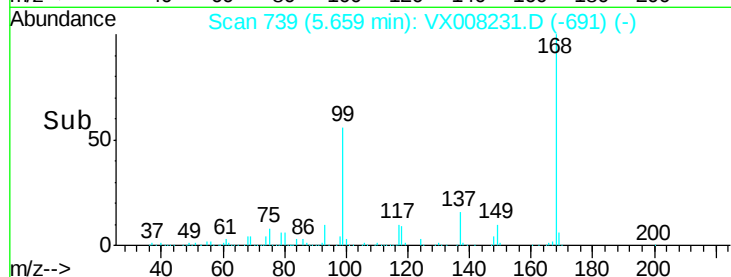
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 1.001 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX008231.D

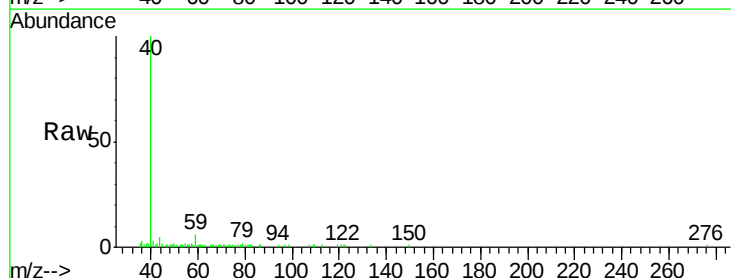
Acq: 20 Mar 2019 10:32

Tgt Ion: 59 Resp: 1039

Ion Ratio Lower Upper

59 100

57 26.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

400

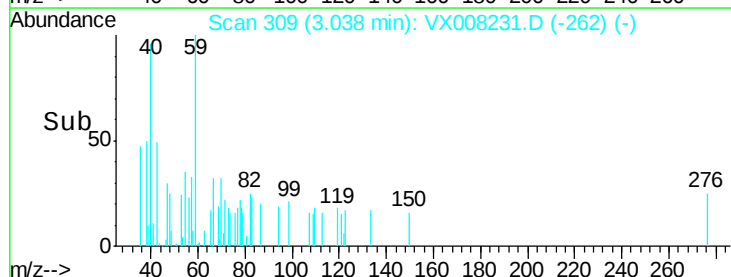
300

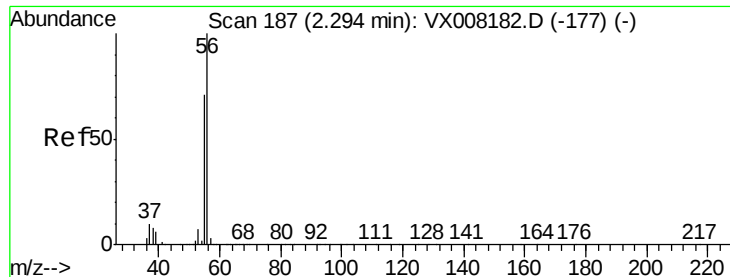
200

100

0

Time--> 2.95 3.00 3.05





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008231.D

Acq: 20 Mar 2019 10:32

Instrument :

MSVOA_X

ClientSampled :

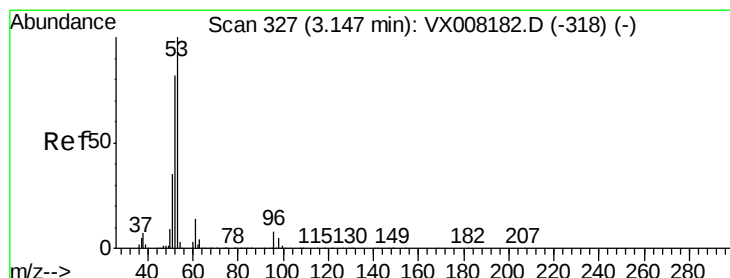
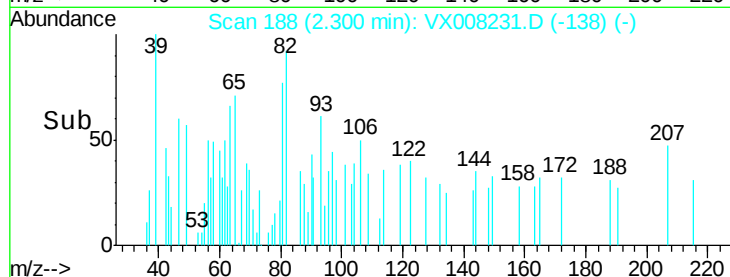
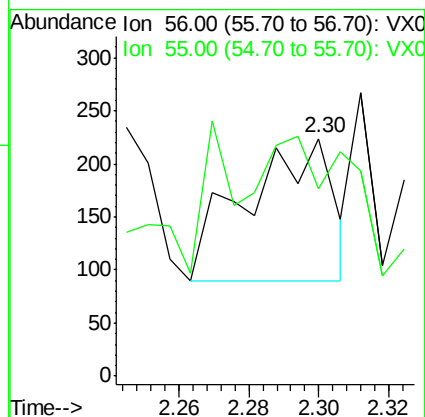
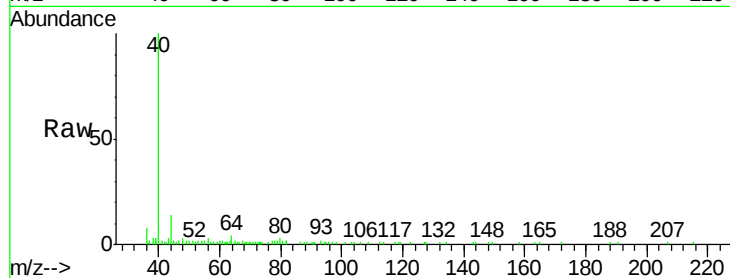
VX0320MBL01

Tot Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 119.7 57.8 86.6#



#15

Acrylonitrile

Concen: 0.457 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX008231.D

Acq: 20 Mar 2019 10:32

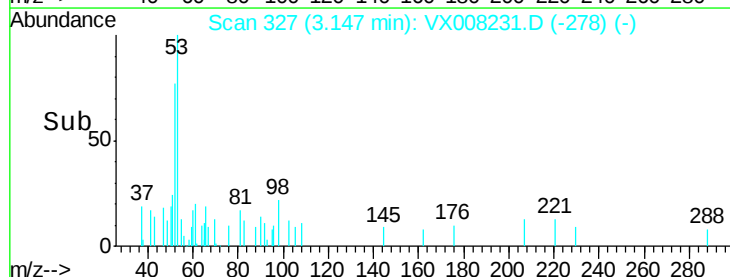
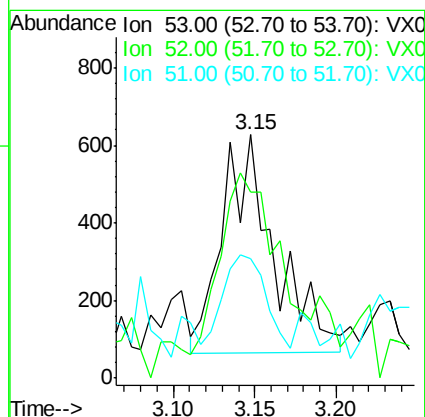
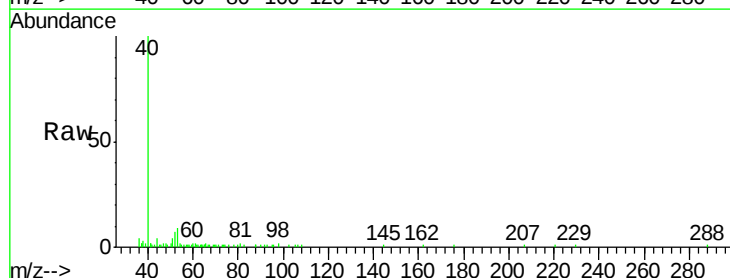
Tgt Ion: 53 Resp: 1254

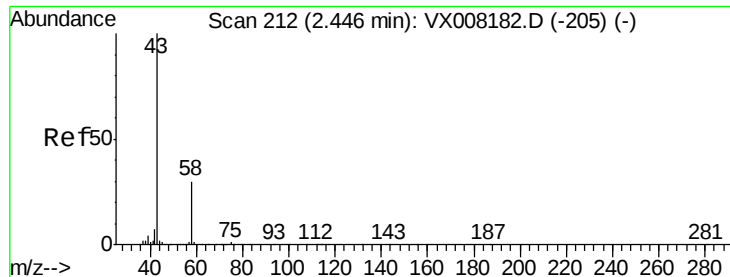
Ion Ratio Lower Upper

53 100

52 96.3 66.0 99.0

51 39.4 28.0 42.0





#16

Acetone

Concen: 0.672 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008231.D

Acq: 20 Mar 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

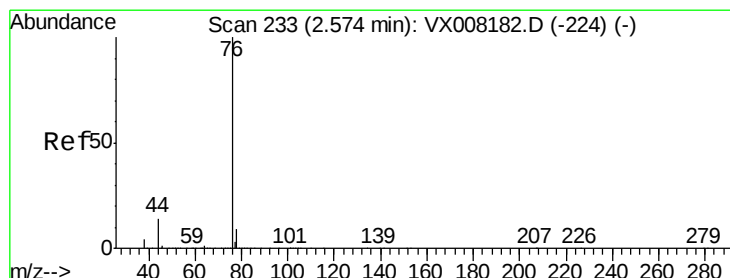
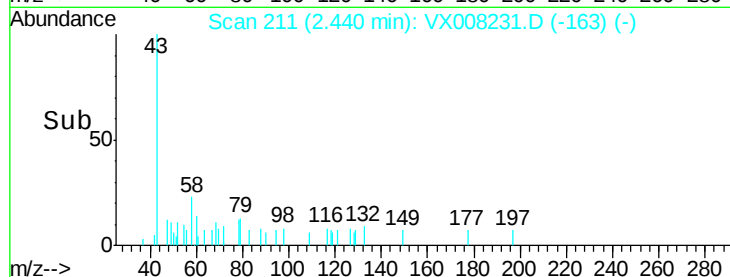
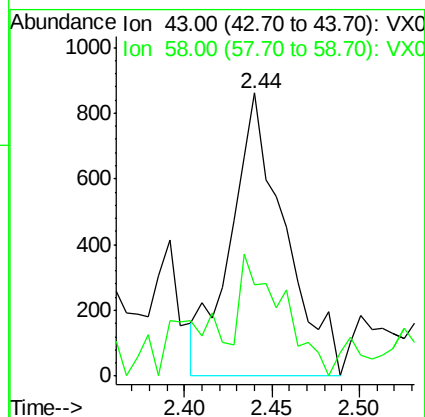
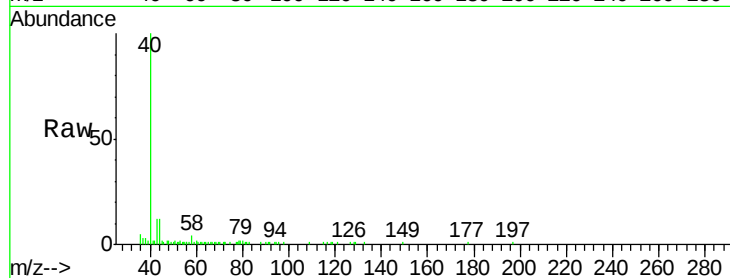
VX0320MBL01

Tot Ion: 43 Resp: 1848

Ion Ratio Lower Upper

43 100

58 15.8 25.5 38.3#



#17

Carbon Disulfide

Concen: 0.928 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008231.D

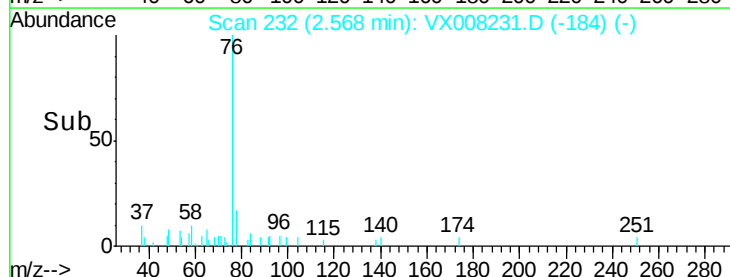
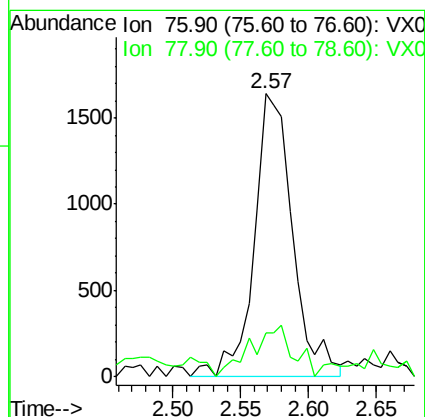
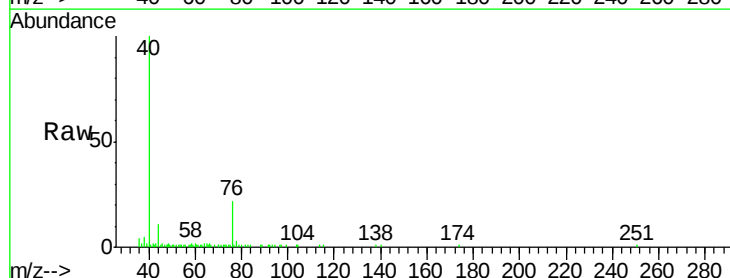
Acq: 20 Mar 2019 10:32

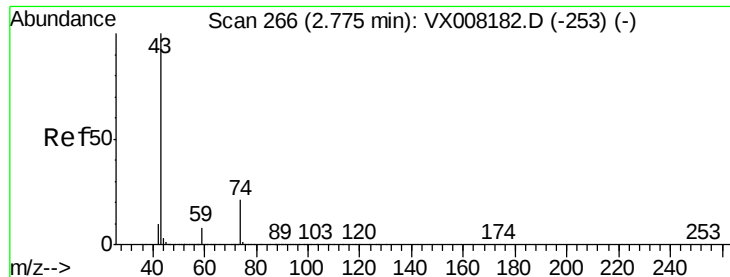
Tgt Ion: 76 Resp: 3266

Ion Ratio Lower Upper

76 100

78 11.9 7.2 10.8#

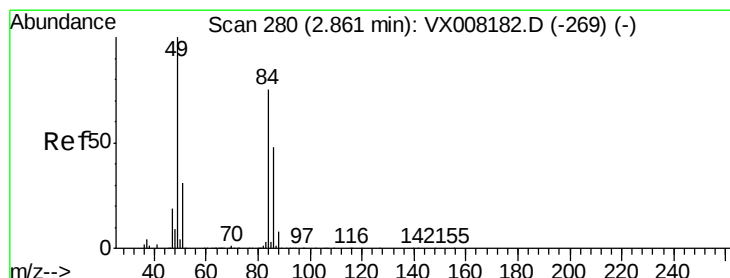
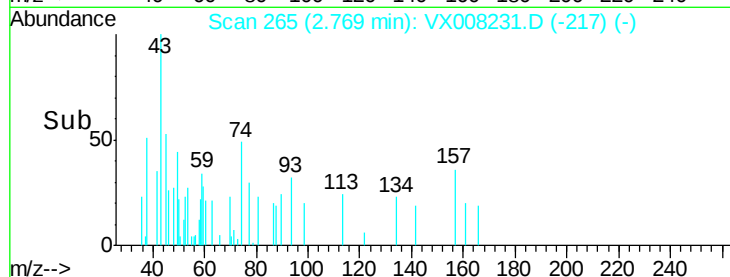
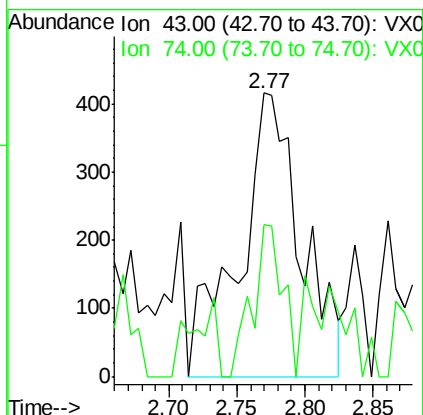
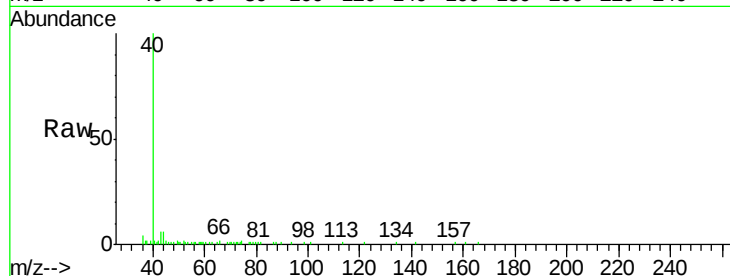




#18
Methyl Acetate
Concen: 0.208 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008231.D
Acq: 20 Mar 2019 10:32

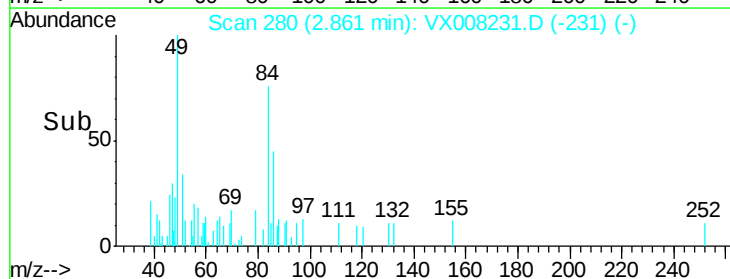
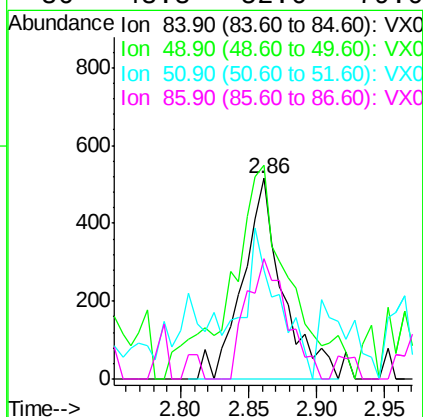
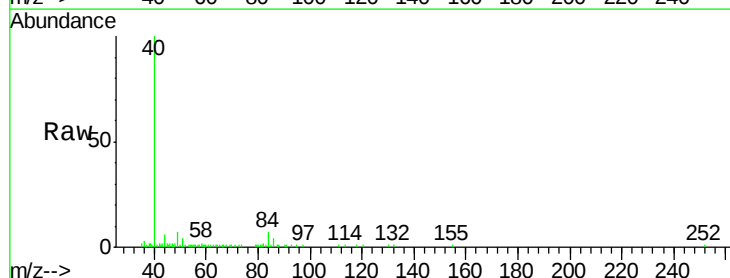
Instrument :
MSVOA_X
ClientSampleId :
VX0320MBL01

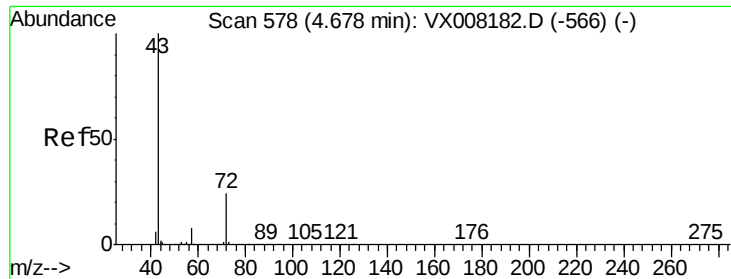
Tot Ion: 43 Resp: 1324
Ion Ratio Lower Upper
43 100
74 26.1 17.8 26.6



#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008231.D
Acq: 20 Mar 2019 10:32

Tgt Ion: 84 Resp: 1060
Ion Ratio Lower Upper
84 100
49 84.7 99.3 148.9#
51 25.4 31.3 46.9#
86 48.8 52.6 79.0#





#25

2-Butanone

Concen: 0.212 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.01 min

Lab File: VX008231.D

Acq: 20 Mar 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

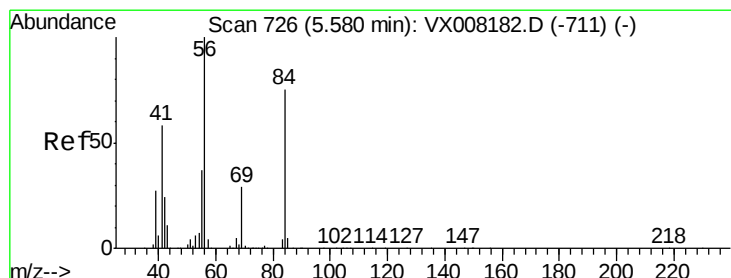
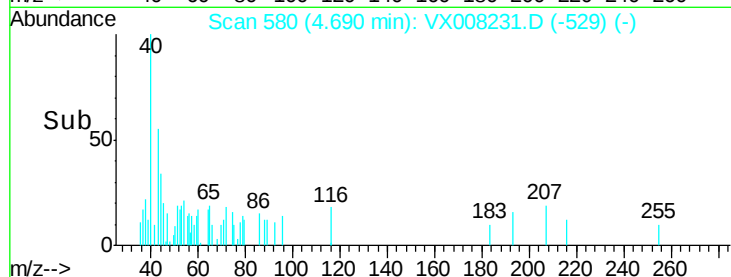
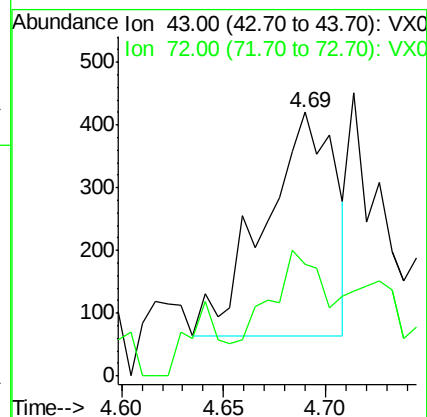
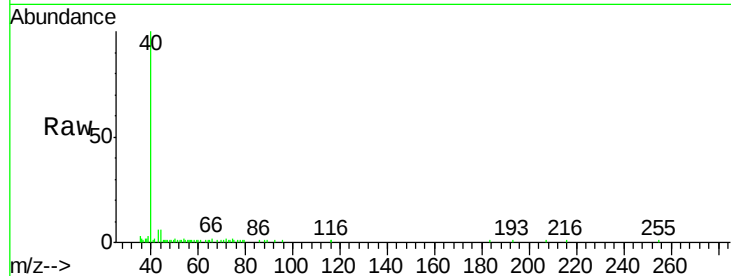
VX0320MBL01

Tot Ion: 43 Resp: 859

Ion Ratio Lower Upper

43 100

72 52.5 19.9 29.9#



#31

Cyclohexane

Concen: 0.857 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008231.D

Acq: 20 Mar 2019 10:32

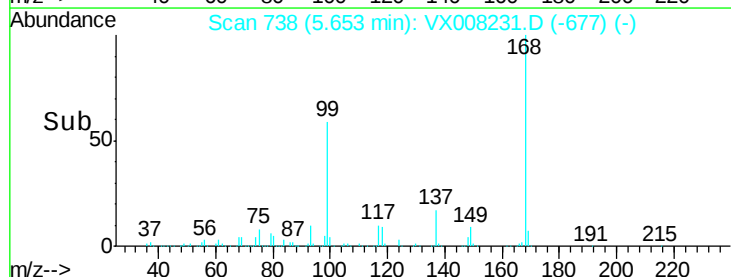
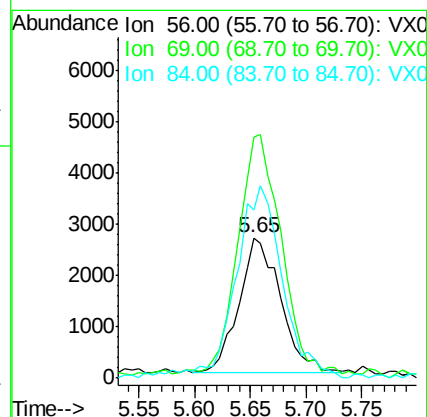
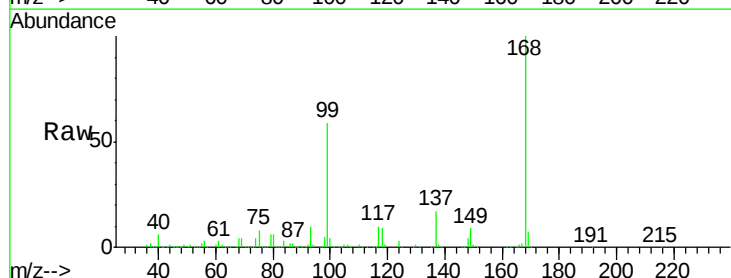
Tgt Ion: 56 Resp: 6899

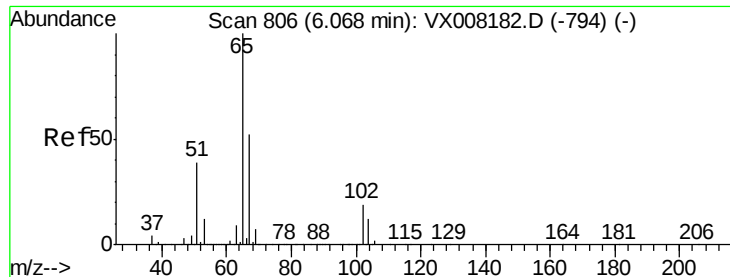
Ion Ratio Lower Upper

56 100

69 175.7 24.0 36.0#

84 125.1 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 45.387 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008231.D

Acq: 20 Mar 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

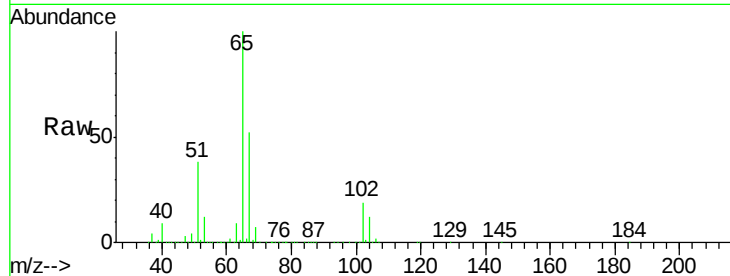
VX0320MBL01

Tot Ion: 65 Resp: 220153

Ion Ratio Lower Upper

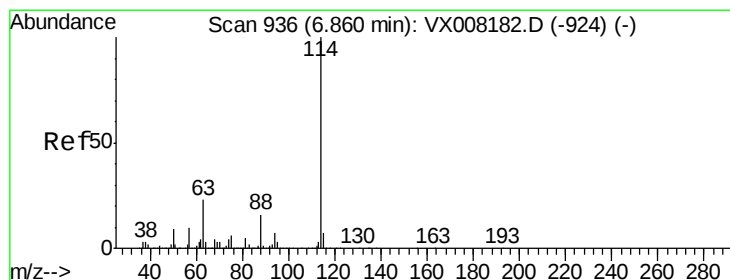
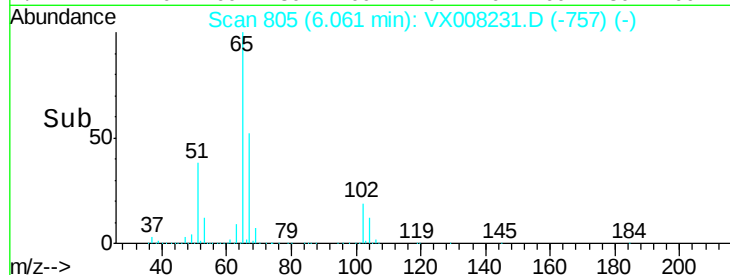
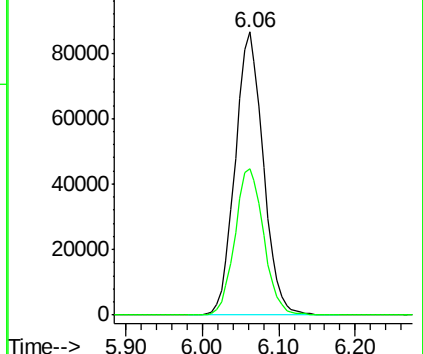
65 100

67 53.1 0.0 110.0



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: VX008231.D

Acq: 20 Mar 2019 10:32

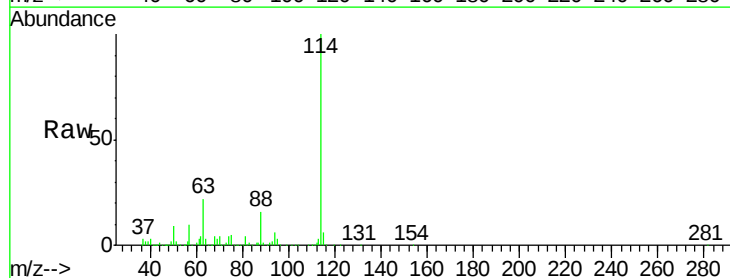
Tgt Ion: 114 Resp: 516355

Ion Ratio Lower Upper

114 100

63 21.8 0.0 39.8

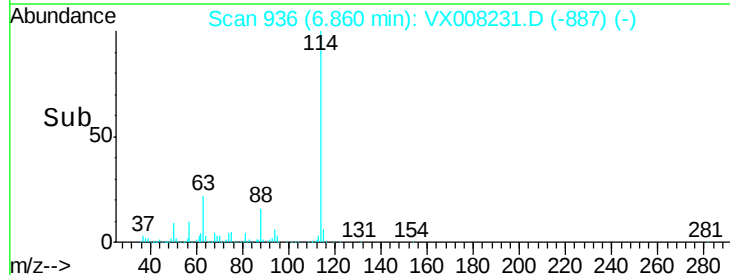
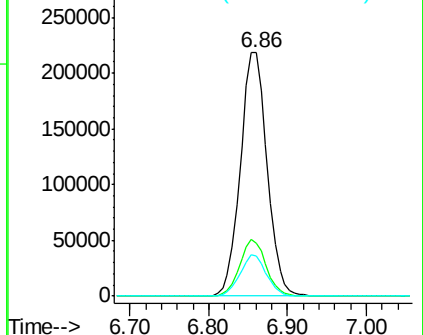
88 16.3 0.0 31.4

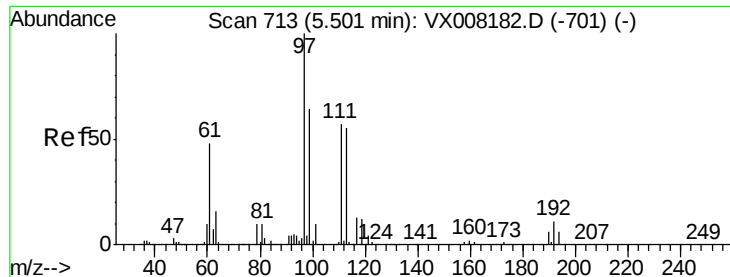


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

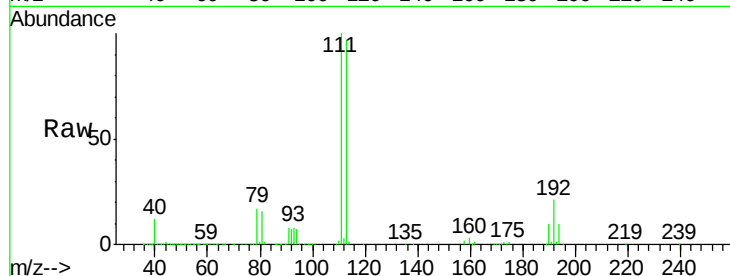




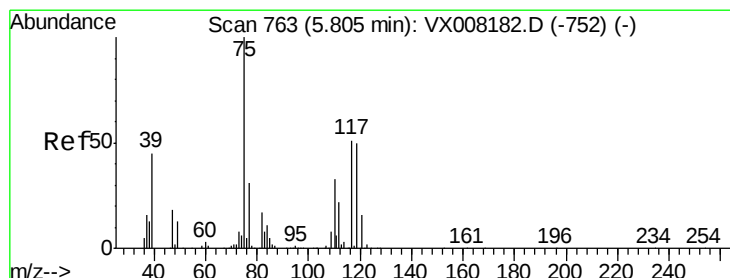
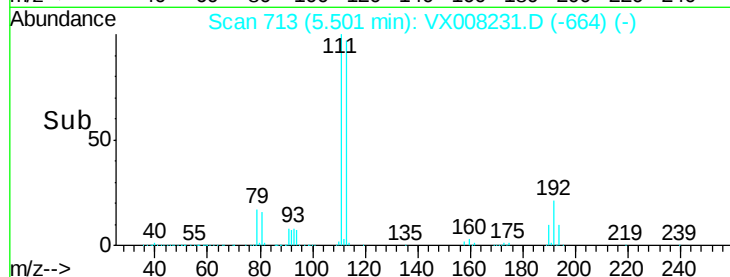
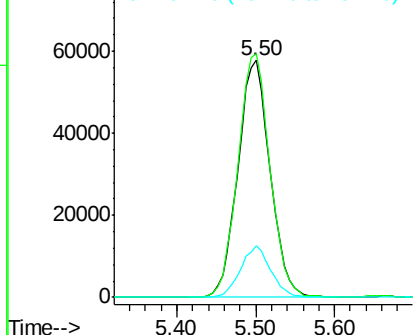
#35
 Dibromofluoromethane
 Concen: 47.487 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008231.D
 Acq: 20 Mar 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320MBL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.0
192	20.4	19.4	29.0

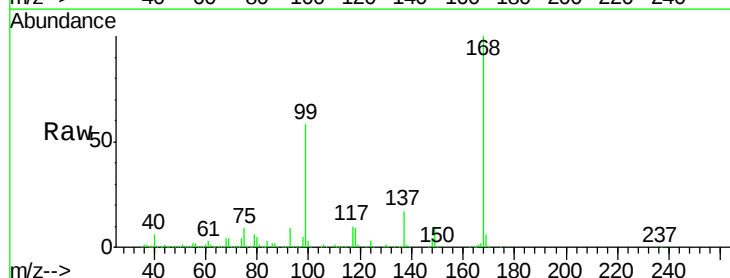


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

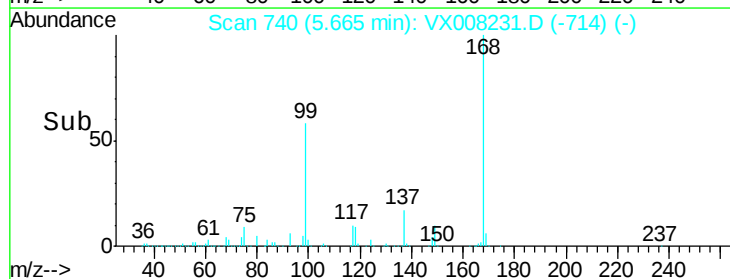
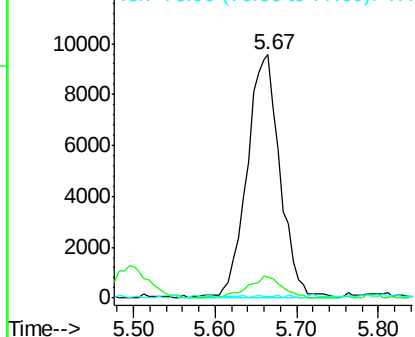


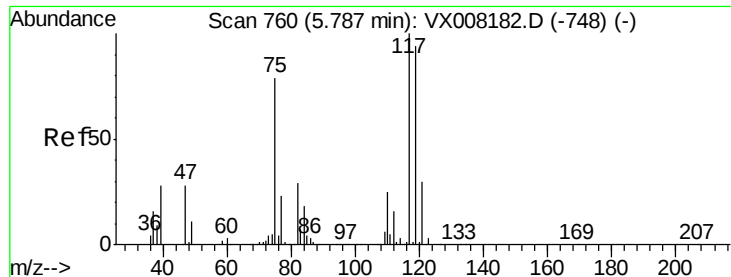
#36
 1,1-Dichloropropene
 Concen: 4.498 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.14 min
 Lab File: VX008231.D
 Acq: 20 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.4	55.0#
77	0.4	25.0	37.4#



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: 5.986 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008231.D

Acq: 20 Mar 2019 10:32

Instrument :

MSVOA_X

ClientSampled :

VX0320MBL01

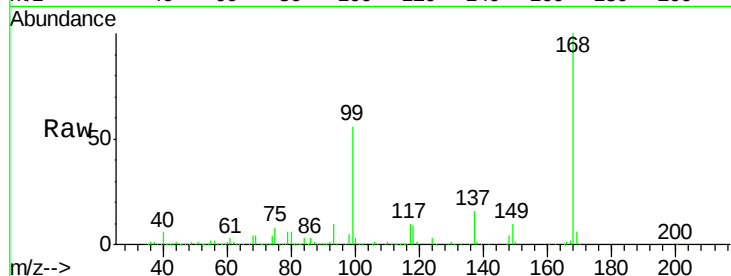
Tot Ion:117 Resp: 32066

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

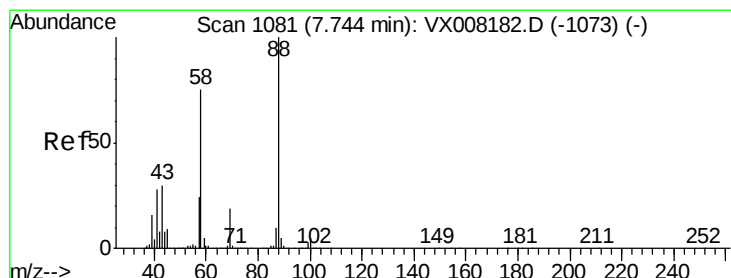
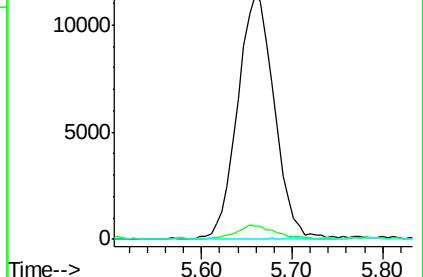
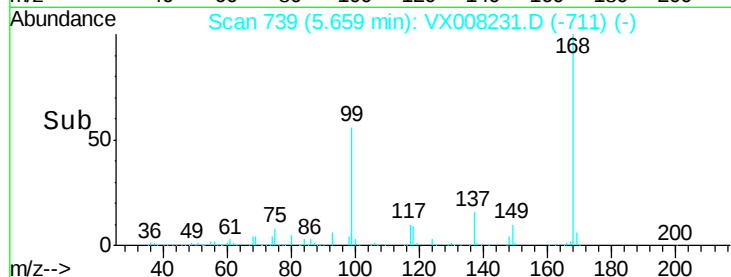
121 0.0 24.6 36.8#



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: 3.612 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX008231.D

Acq: 20 Mar 2019 10:32

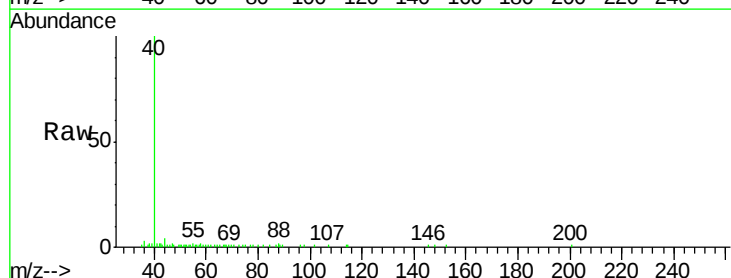
Tgt Ion: 88 Resp: 386

Ion Ratio Lower Upper

88 100

43 23.8 25.1 37.7#

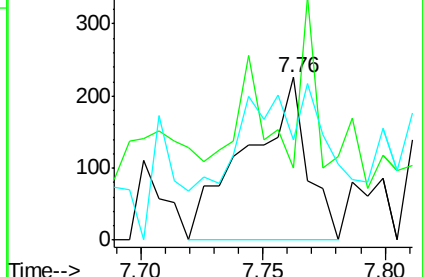
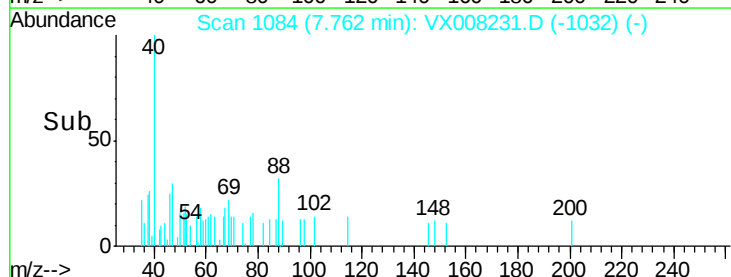
58 117.6 57.8 86.6#

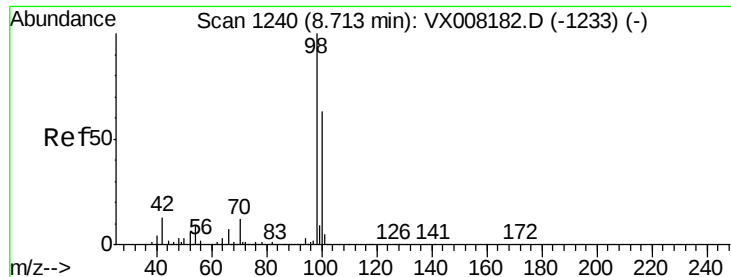


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.272 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008231.D

Acq: 20 Mar 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

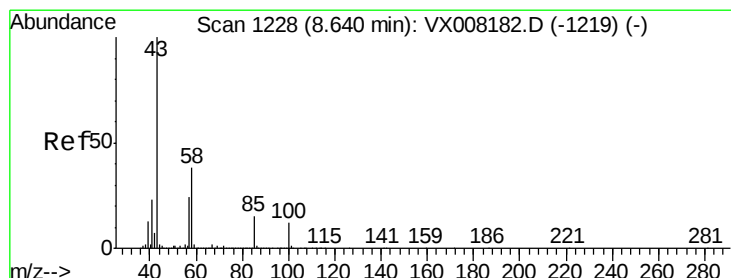
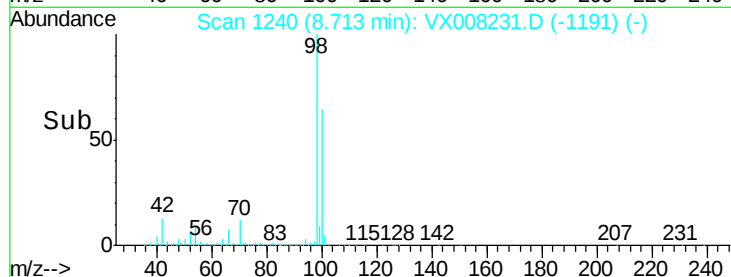
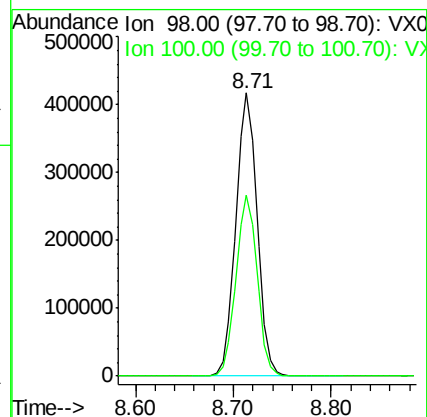
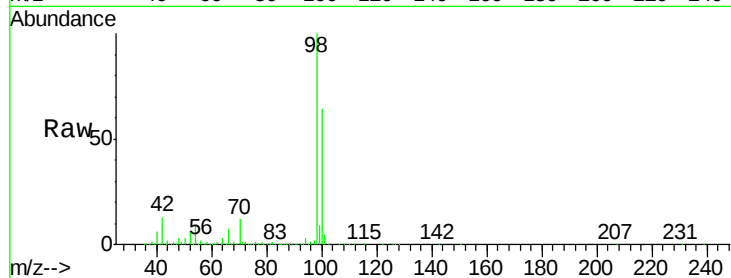
VX0320MBL01

Tot Ion: 98 Resp: 632619

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.278 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008231.D

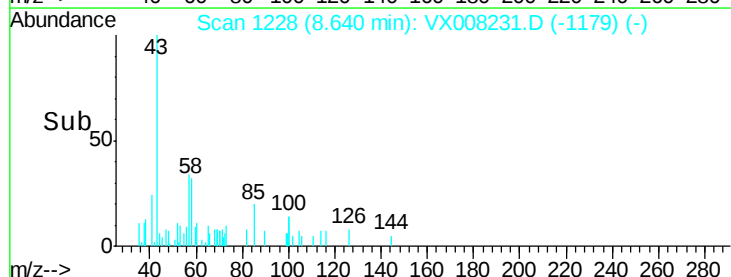
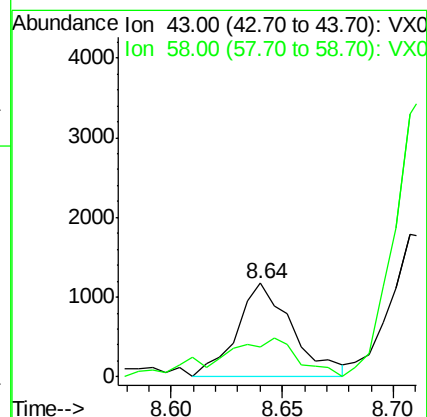
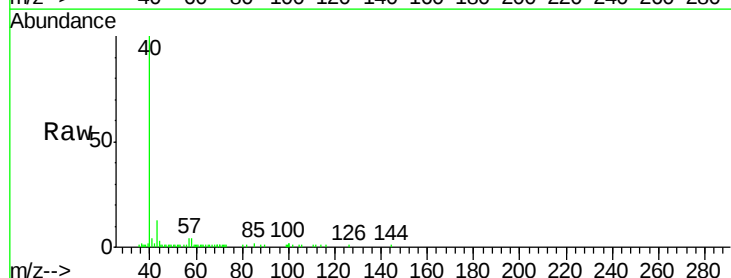
Acq: 20 Mar 2019 10:32

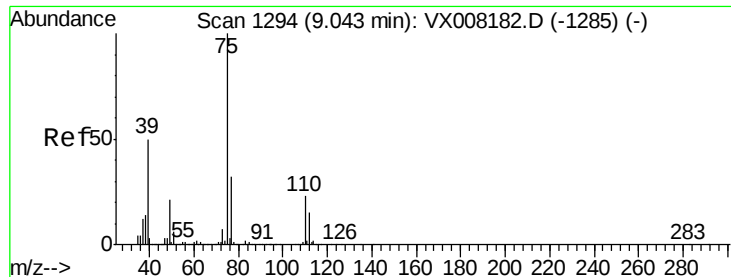
Tgt Ion: 43 Resp: 2046

Ion Ratio Lower Upper

43 100

58 60.7 31.3 46.9#





#53

t-1,3-Dichloropropene

Concen: 1.512 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008231.D

Acq: 20 Mar 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

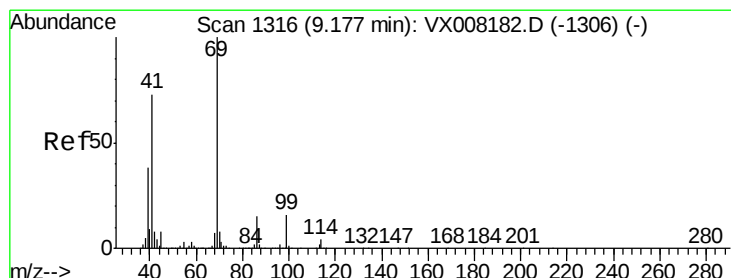
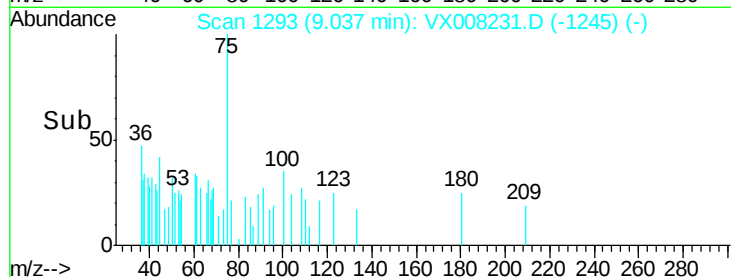
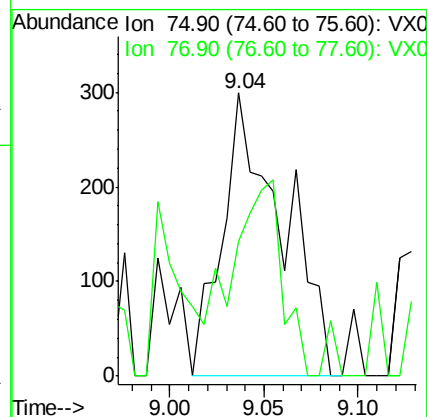
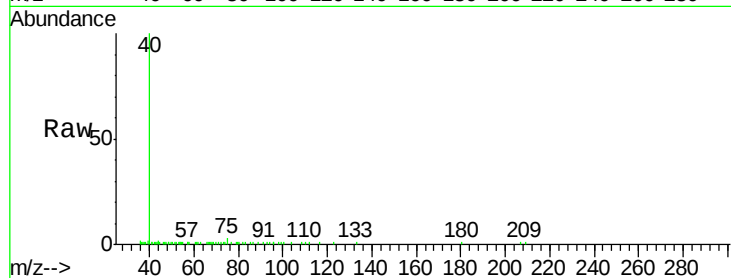
VX0320MBL01

Tot Ion: 75 Resp: 662

Ion Ratio Lower Upper

75 100

77 47.8 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.593 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008231.D

Acq: 20 Mar 2019 10:32

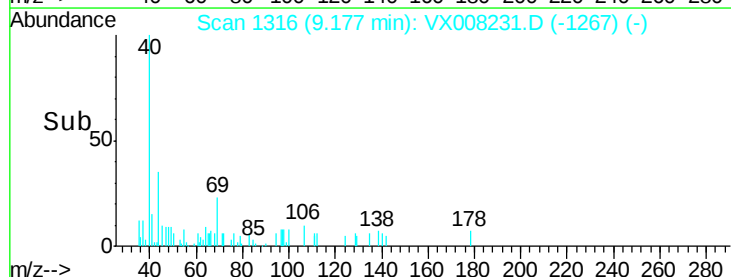
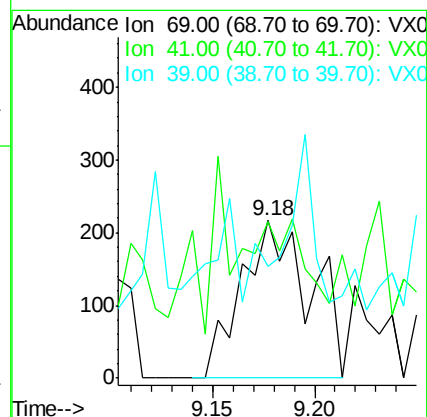
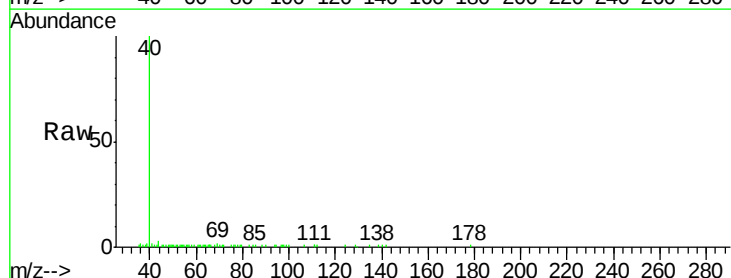
Tgt Ion: 69 Resp: 507

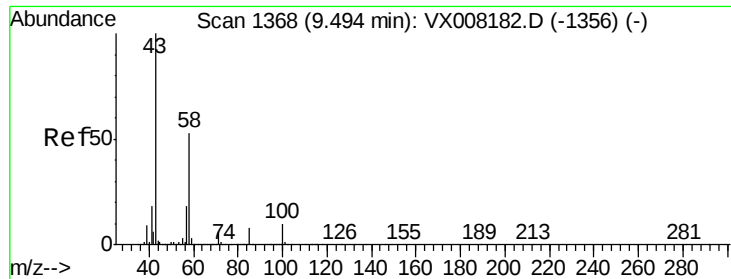
Ion Ratio Lower Upper

69 100

41 0.0 54.2 81.4#

39 46.7 25.0 37.4#

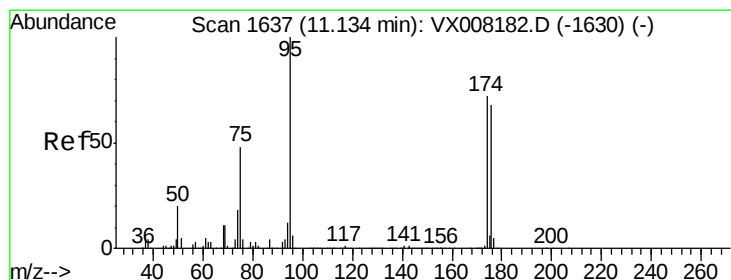
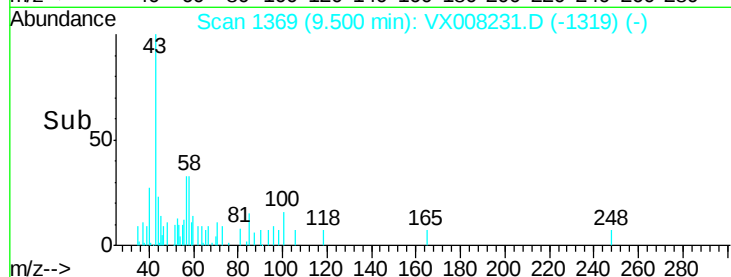
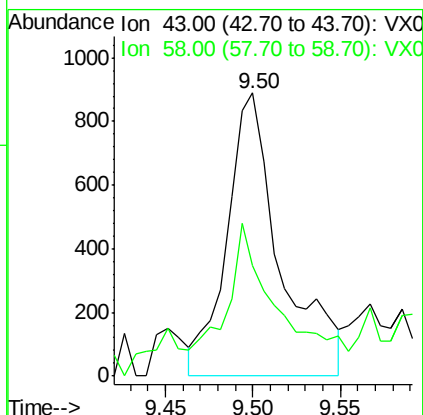
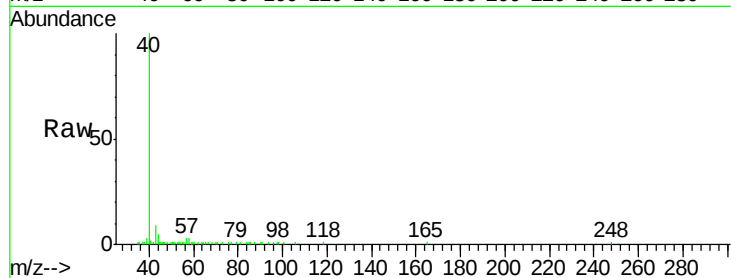




#59
2-Hexanone
Concen: 0.336 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX008231.D
Acq: 20 Mar 2019 10:32

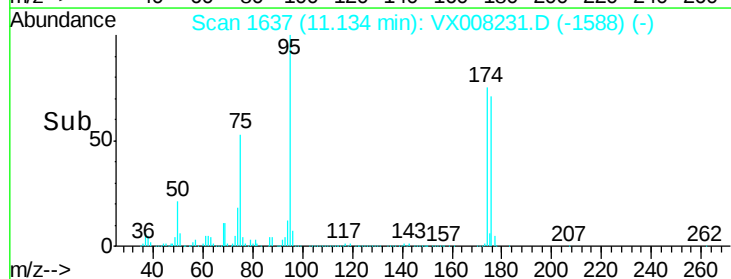
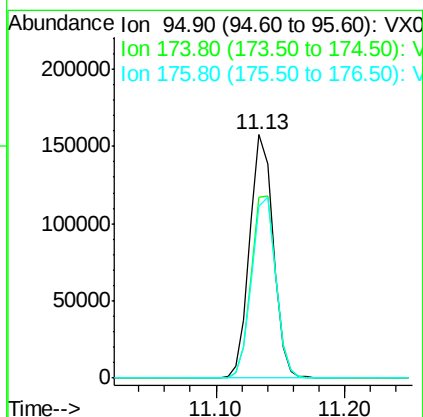
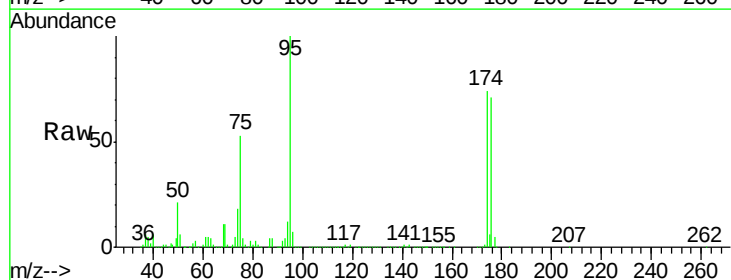
Instrument :
MSVOA_X
ClientSampleId :
VX0320MBL01

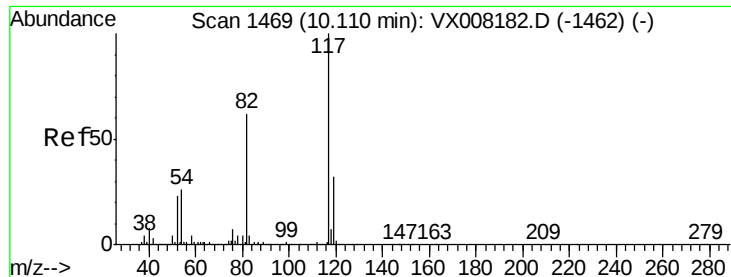
Tot Ion: 43 Resp: 1907
Ion Ratio Lower Upper
43 100
58 42.2 27.6 82.7



#62
4-Bromofluorobenzene
Concen: 43.888 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008231.D
Acq: 20 Mar 2019 10:32

Tgt Ion: 95 Resp: 198041
Ion Ratio Lower Upper
95 100
174 78.5 0.0 182.8
176 76.1 0.0 178.0

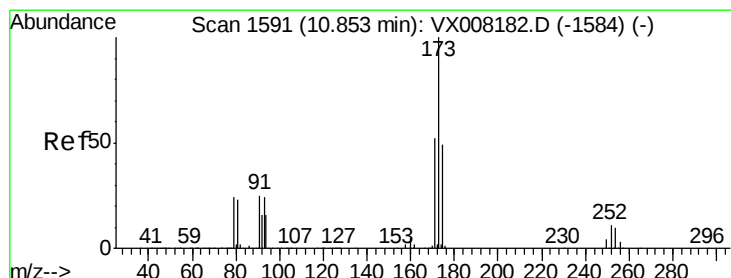
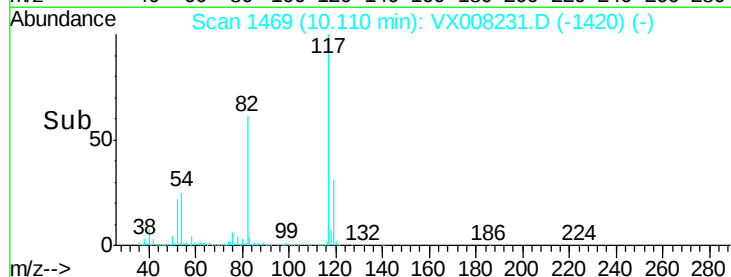
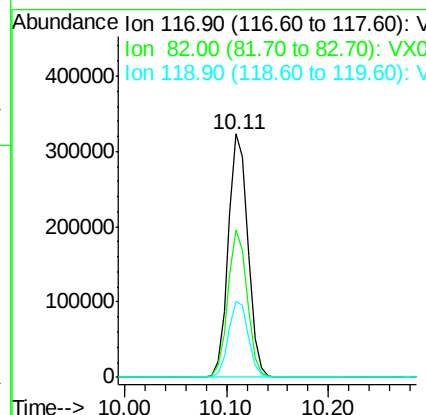
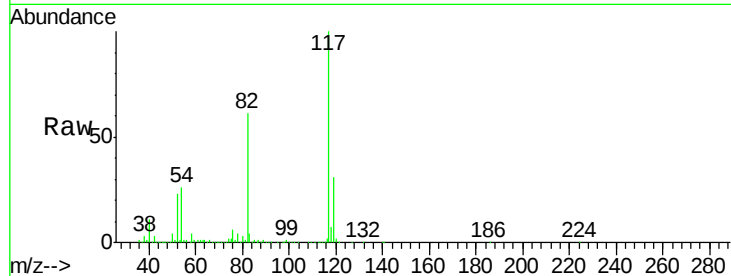




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008231.D
Acq: 20 Mar 2019 10:32

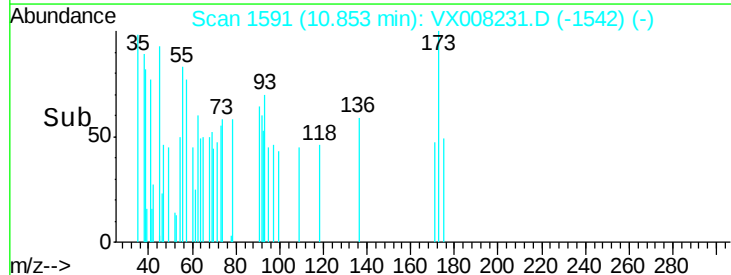
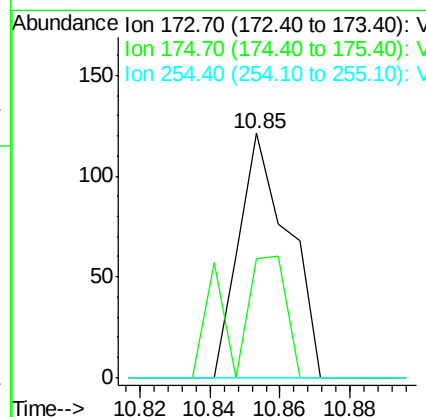
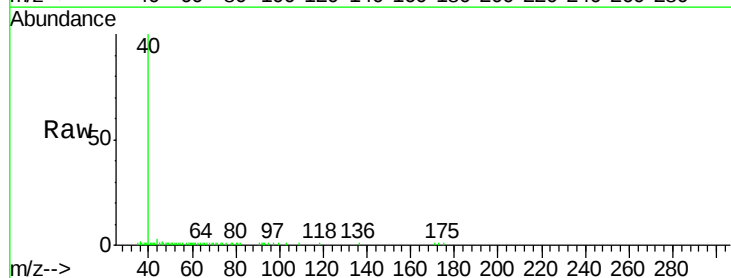
Instrument :
MSVOA_X
ClientSampleId :
VX0320MBL01

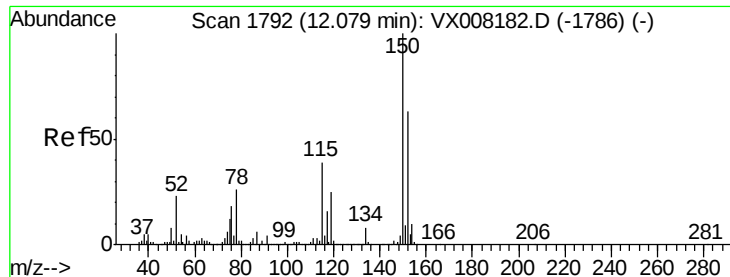
Tot Ion:117 Resp: 431725
Ion Ratio Lower Upper
117 100
82 60.8 44.3 66.5
119 31.3 25.3 37.9



#71
Bromoform
Concen: 2.238 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008231.D
Acq: 20 Mar 2019 10:32

Tgt Ion:173 Resp: 119
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008231.D

Acq: 20 Mar 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320MBL01

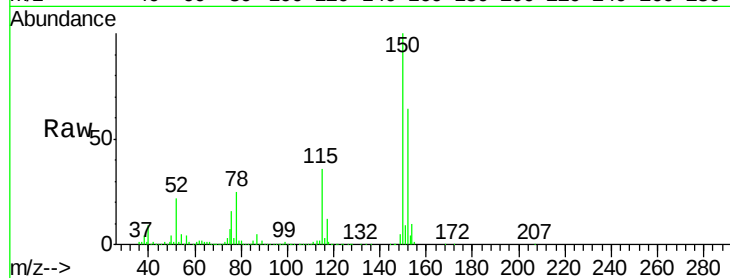
Tot Ion:152 Resp: 170272

Ion Ratio Lower Upper

152 100

115 60.6 38.6 115.7

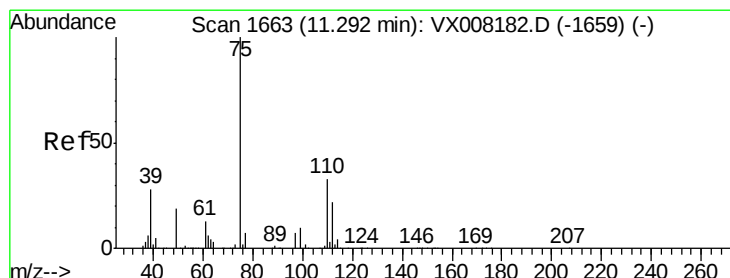
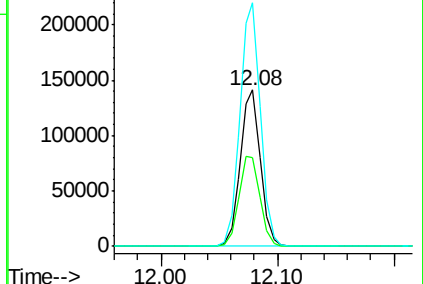
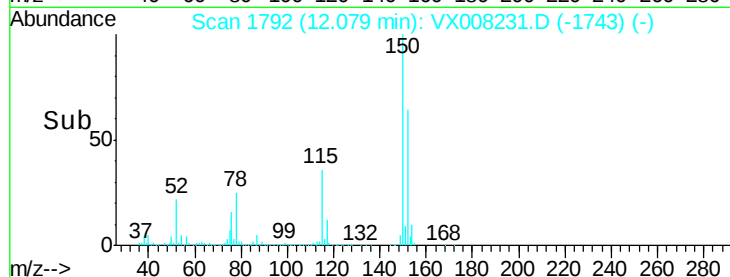
150 157.6 0.0 348.4



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: 21.365 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008231.D

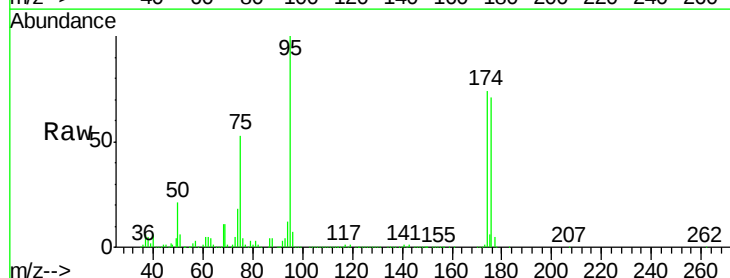
Acq: 20 Mar 2019 10:32

Tgt Ion: 75 Resp: 102320

Ion Ratio Lower Upper

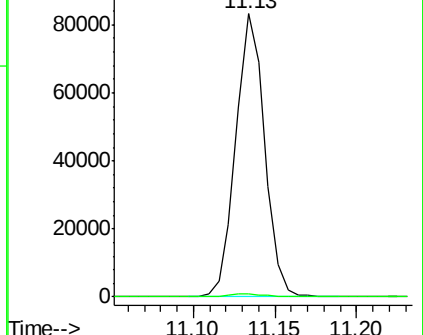
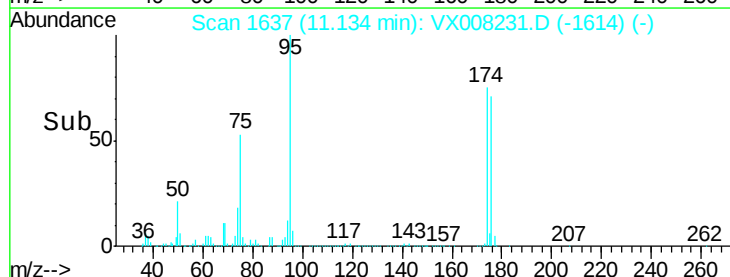
75 100

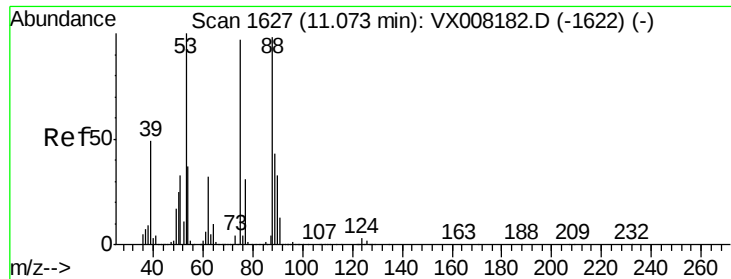
77 1.3 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

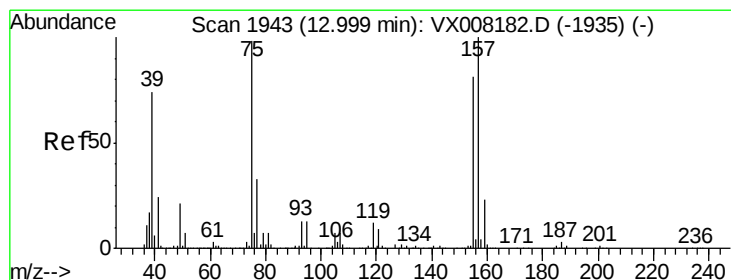
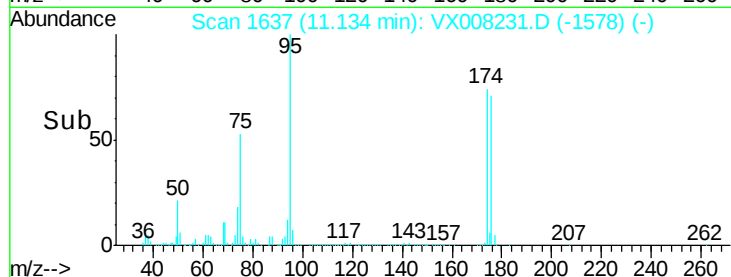
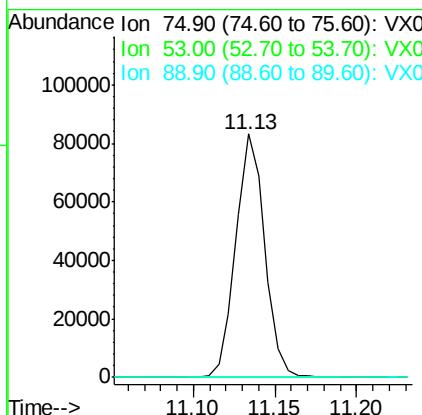
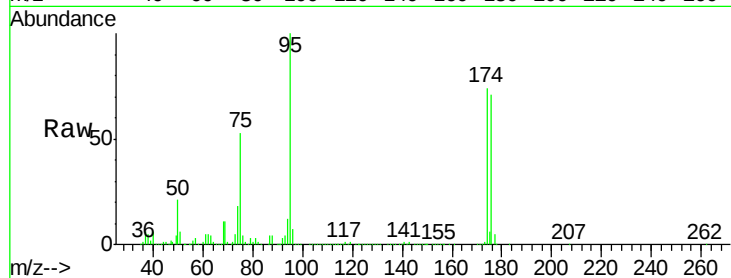




#81
trans-1,4-Dichloro-2-butene
Concen: 54.338 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008231.D
Acq: 20 Mar 2019 10:32

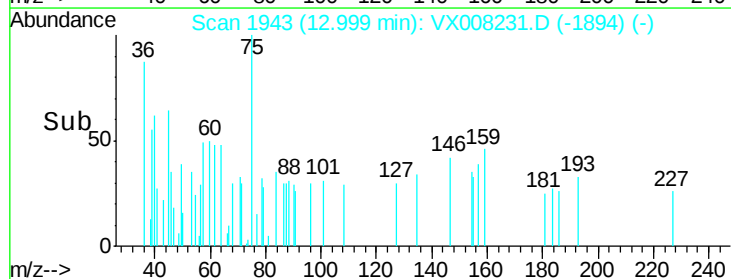
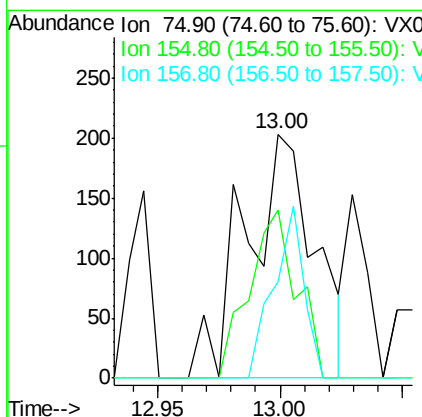
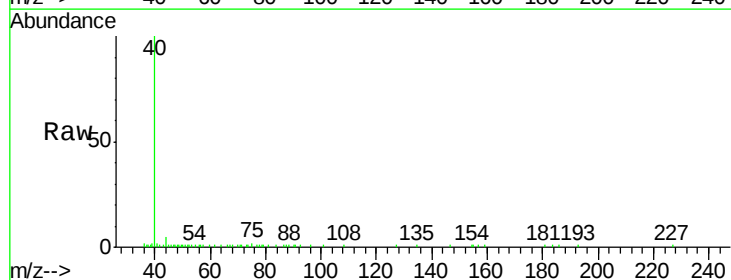
Instrument :
MSVOA_X
ClientSampled :
VX0320MBL01

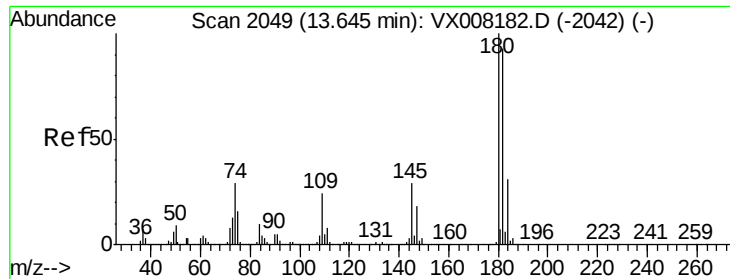
Tot Ion: 75 Resp: 102320
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 36.3 54.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.330 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX008231.D
Acq: 20 Mar 2019 10:32

Tgt Ion: 75 Resp: 399
Ion Ratio Lower Upper
75 100
155 47.9 49.7 149.1#
157 31.3 63.8 191.4#

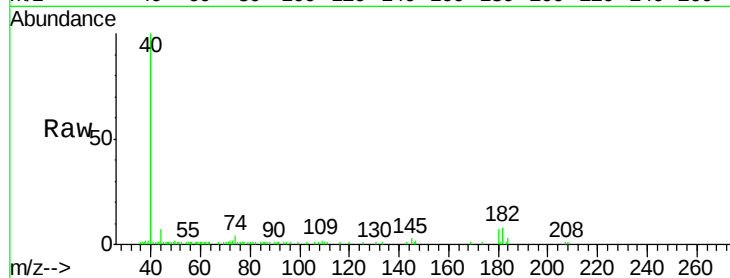




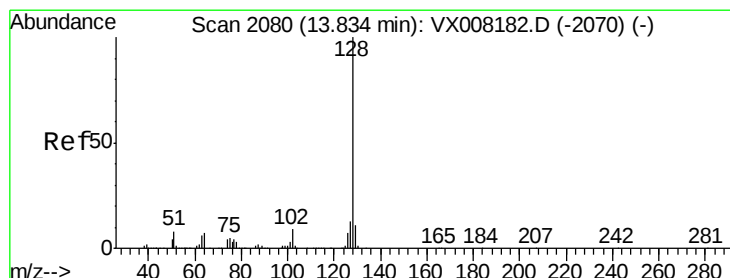
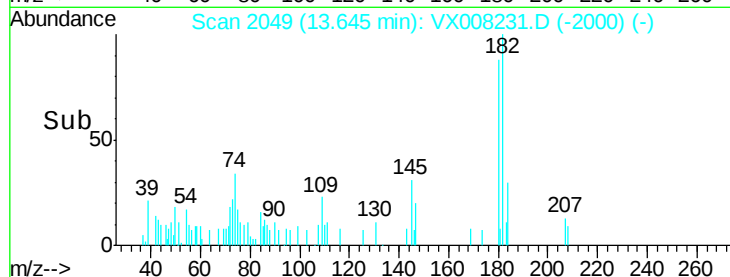
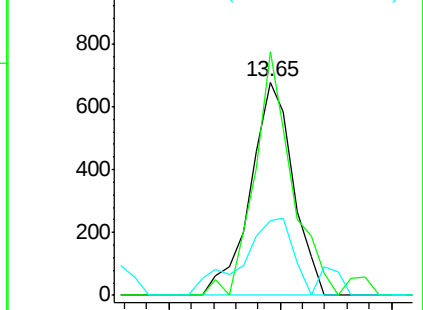
#93
 1,2,4-Trichlorobenzene
 Concen: 0.207 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008231.D
 Acq: 20 Mar 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320MBL01

Tot Ion:180 Resp: 901
 Ion Ratio Lower Upper
 180 100
 182 100.1 47.9 143.7
 145 43.7 14.1 42.4#

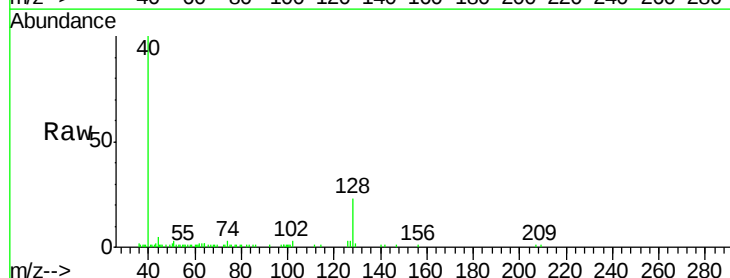


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

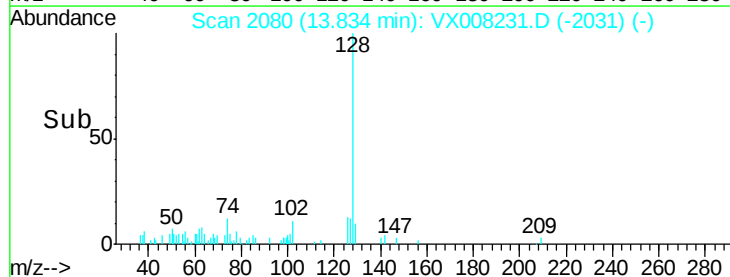
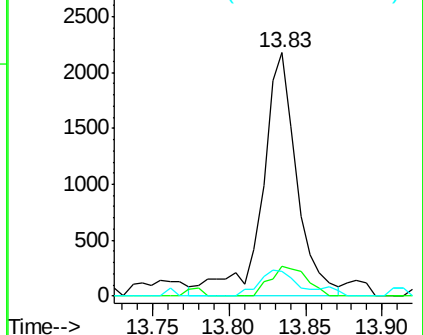


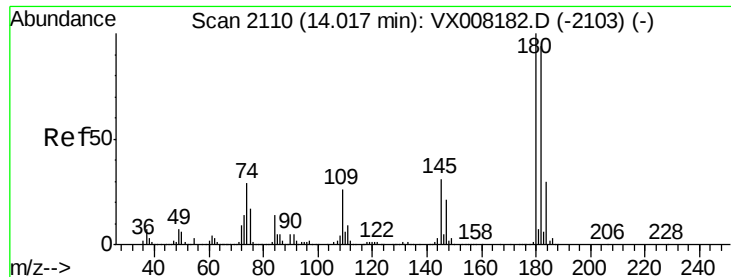
#95
 Naphthalene
 Concen: 0.250 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX008231.D
 Acq: 20 Mar 2019 10:32

Tgt Ion:128 Resp: 3432
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.3 15.5
 129 13.4 8.7 13.1#



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





#96

1,2,3-Trichlorobenzene

Concen: 0.264 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008231.D

Acq: 20 Mar 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320MBL01

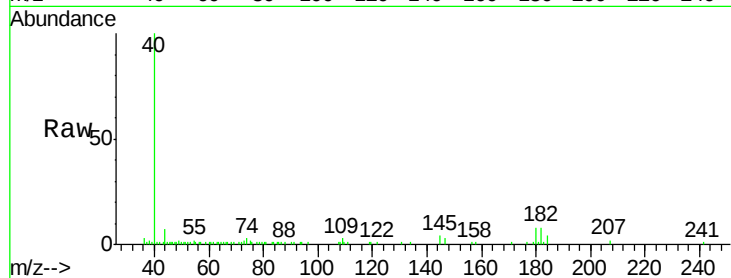
Tot Ion:180 Resp: 1133

Ion Ratio Lower Upper

180 100

182 89.6 47.5 142.5

145 33.5 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

