

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080519\
 Data File : VX011321.D
 Acq On : 05 Aug 2019 11:03
 Operator : JC/SP
 Sample : VX0805WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 06 02:36:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	137308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	216963	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	200599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	73826	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
35) Dibromofluoromethane	5.49	113	71638	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	8.71	98	264201	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.13	95	87498	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	

Target Compounds

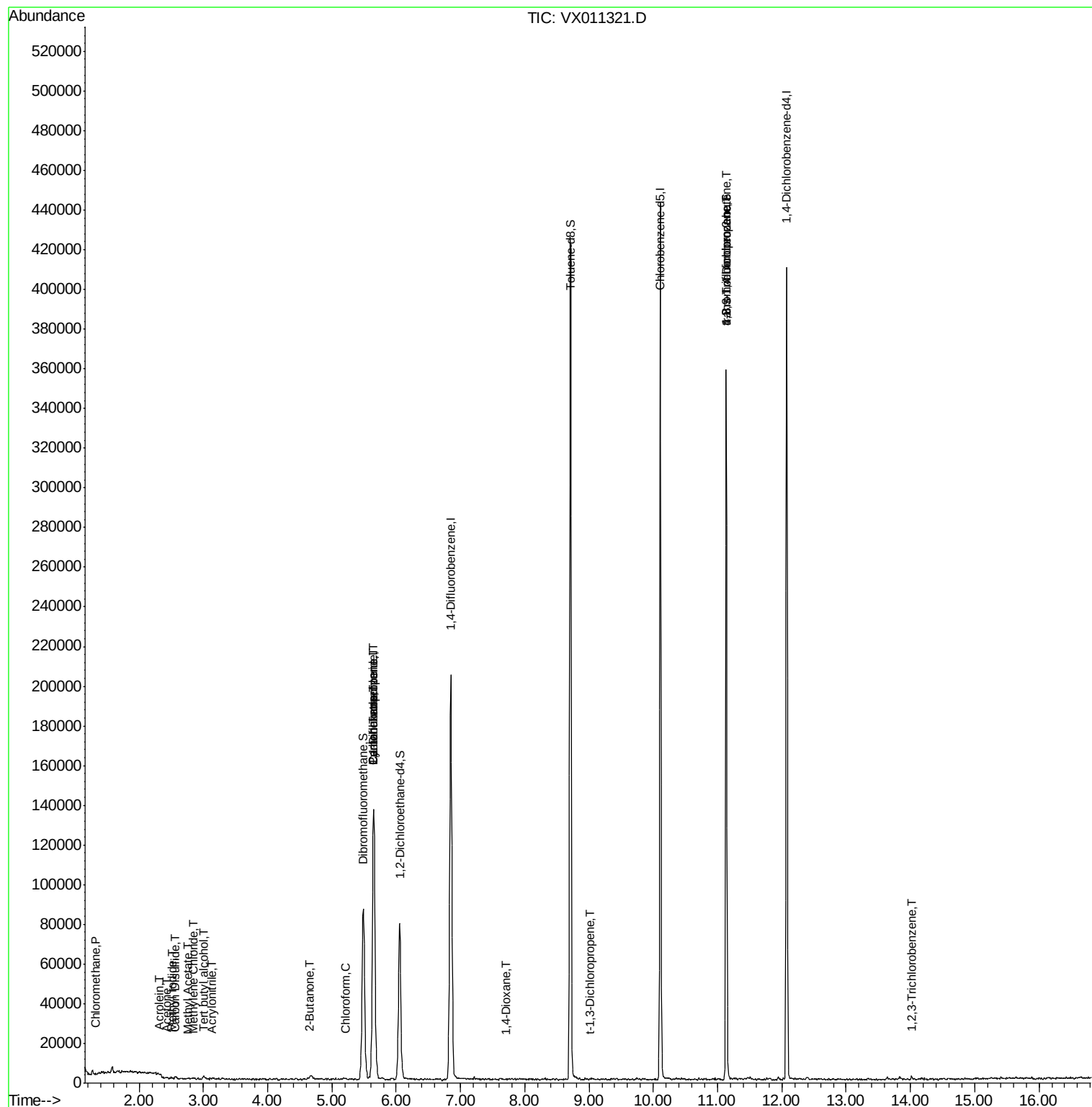
					Qvalue	
3) Chloromethane	1.32	50	331	0.278	ug/l #	53
6) Chloroethane	1.71	64	129	Below Cal	#	43
10) Methyl Iodide	2.51	142	595	0.374	ug/l #	83
11) Tert butyl alcohol	3.00	59	408	1.502	ug/l #	26
13) Acrolein	2.31	56	230	0.921	ug/l	86
15) Acrylonitrile	3.14	53	364	0.553	ug/l #	77
16) Acetone	2.43	43	458	0.696	ug/l #	58
17) Carbon Disulfide	2.57	76	1219	0.416	ug/l #	63
18) Methyl Acetate	2.76	43	321	0.213	ug/l #	75
20) Methylene Chloride	2.85	84	412	0.286	ug/l #	71
25) 2-Butanone	4.65	43	268	0.286	ug/l #	46
30) Chloroform	5.20	83	623	0.266	ug/l	89
31) Cyclohexane	5.64	56	2828	1.588	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	8791	4.641	ug/l #	50
38) Carbon Tetrachloride	5.65	117	12817	6.725	ug/l #	17
49) 1,4-Dioxane	7.70	88	55	1.327	ug/l #	1
53) t-1,3-Dichloropropene	9.01	75	28	2.851	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	43063	26.132	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	43063	67.988	ug/l #	10
96) 1,2,3-Trichlorobenzene	14.02	180	451	0.220	ug/l	90

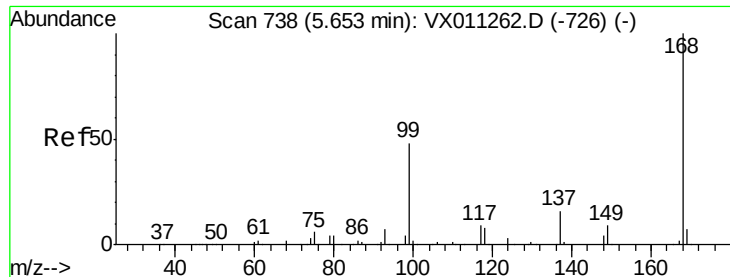
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080519\
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Acq On : 05 Aug 2019 11:03
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Sample : VX0805WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :

Quant Time: Aug 06 02:36:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011321.D

Acq: 05 Aug 2019 11:03

Instrument :

MSVOA_X

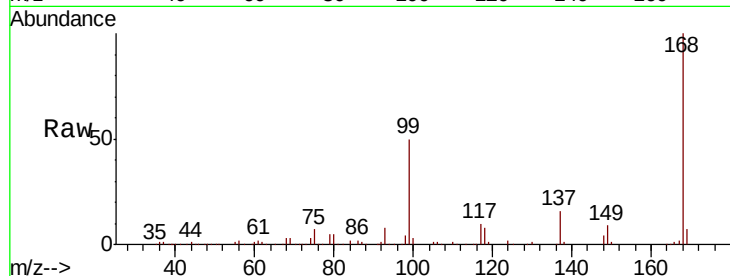
ClientSampled :

Tot Ion:168 Resp: 137308

Ion Ratio Lower Upper

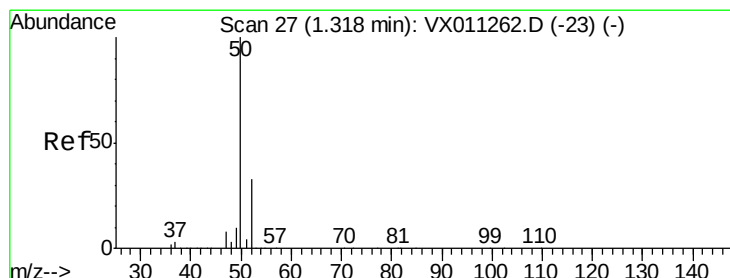
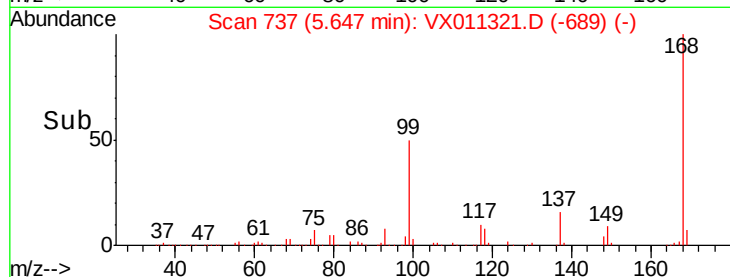
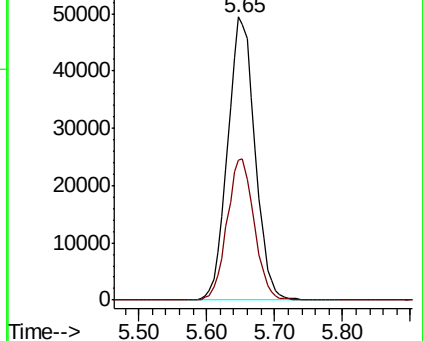
168 100

99 49.6 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.278 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011321.D

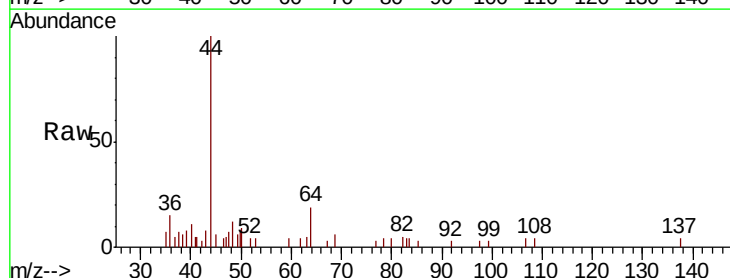
Acq: 05 Aug 2019 11:03

Tgt Ion: 50 Resp: 331

Ion Ratio Lower Upper

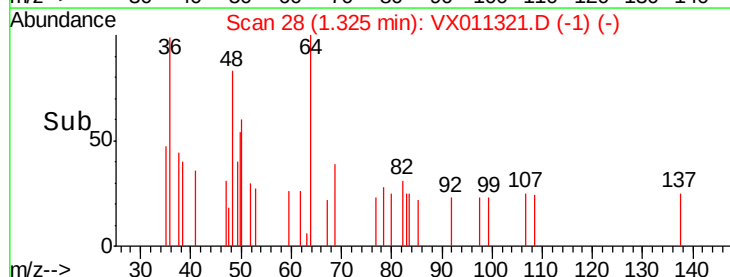
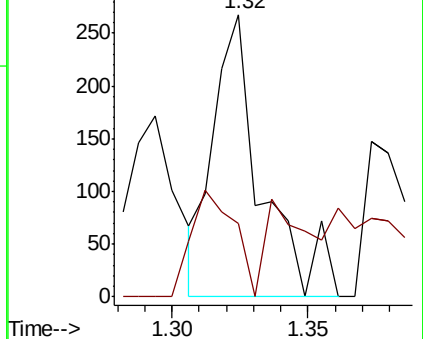
50 100

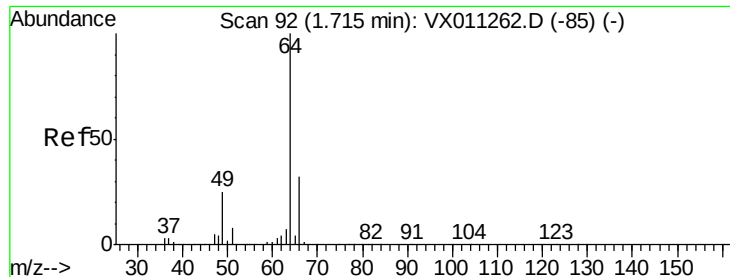
52 6.3 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011321.D

Acq: 05 Aug 2019 11:03

Instrument :

MSVOA_X

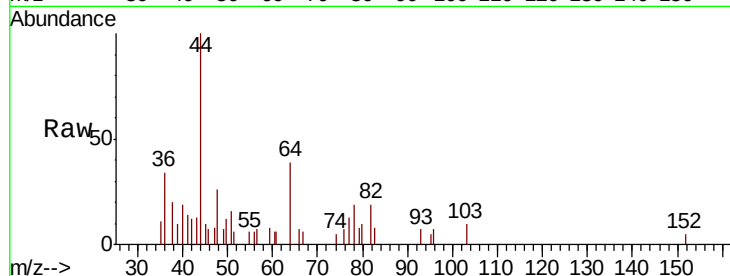
ClientSampled :

Tot Ion: 64 Resp: 129

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

400

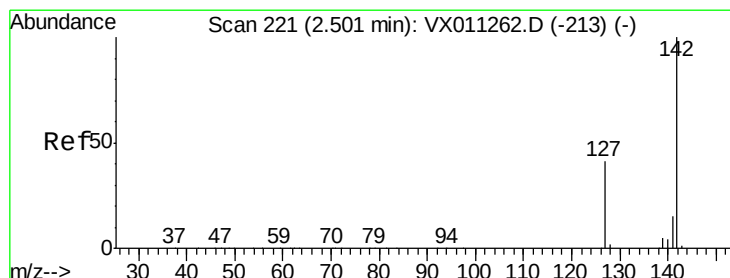
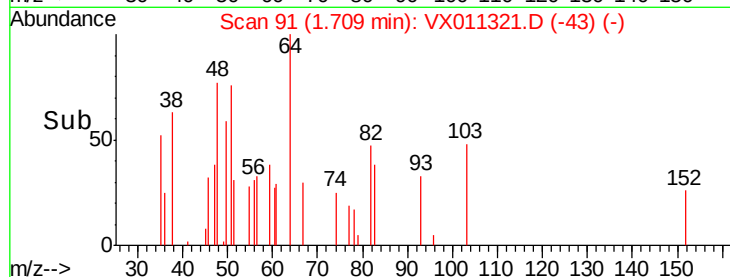
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 0.374 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011321.D

Acq: 05 Aug 2019 11:03

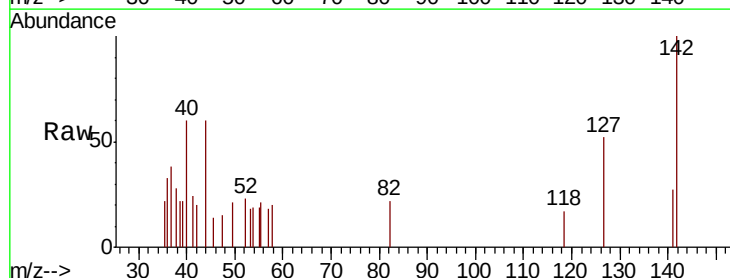
Tgt Ion: 142 Resp: 595

Ion Ratio Lower Upper

142 100

127 51.6 33.8 50.8#

141 23.7 11.4 17.2#



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

400

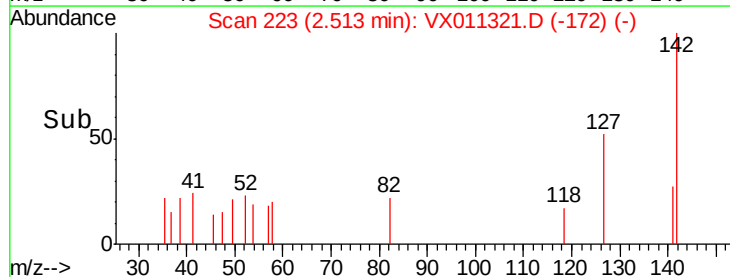
300

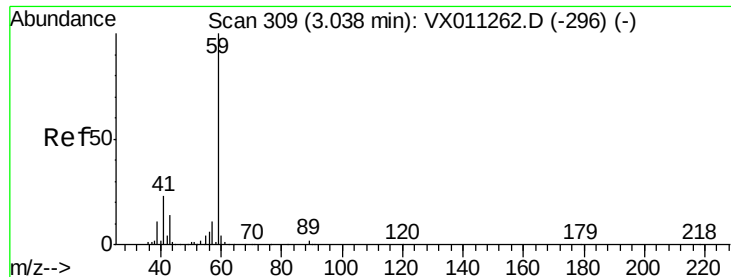
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 1.502 ug/l

RT: 3.00 min Scan# 303

Delta R.T. -0.04 min

Lab File: VX011321.D

Acq: 05 Aug 2019 11:03

Instrument :

MSVOA_X

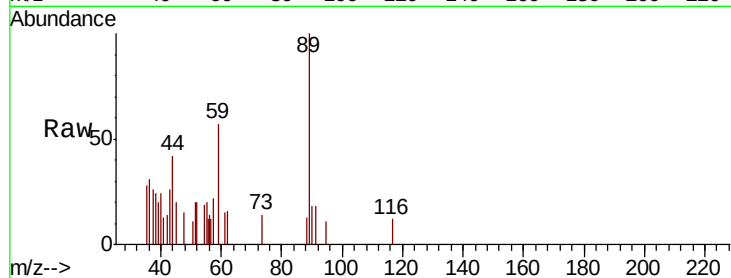
ClientSampled :

Tot Ion: 59 Resp: 408

Ion Ratio Lower Upper

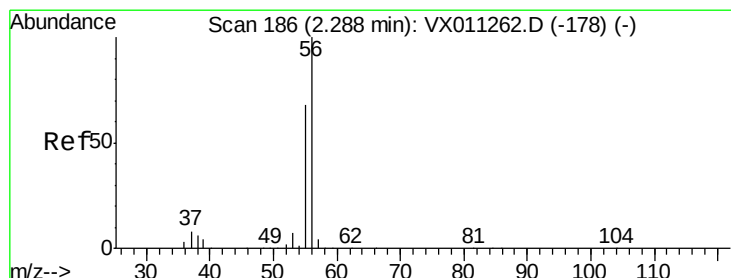
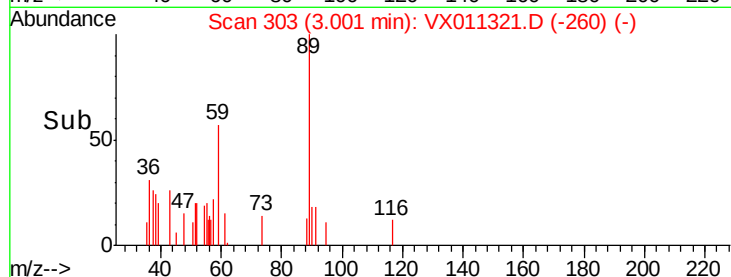
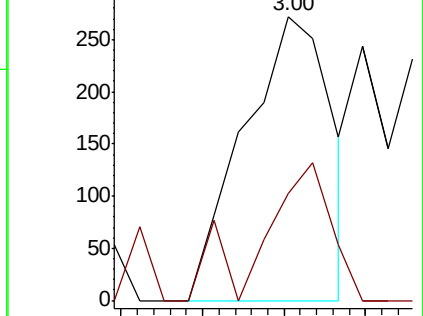
59 100

57 38.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 0.921 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX011321.D

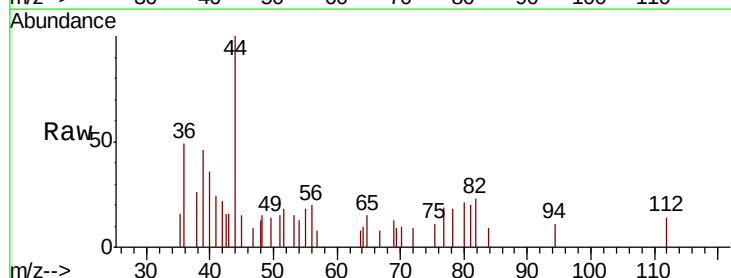
Acq: 05 Aug 2019 11:03

Tgt Ion: 56 Resp: 230

Ion Ratio Lower Upper

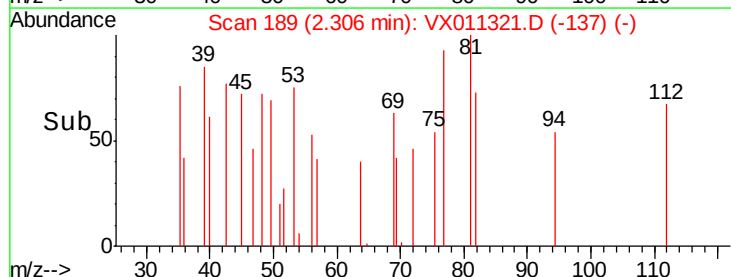
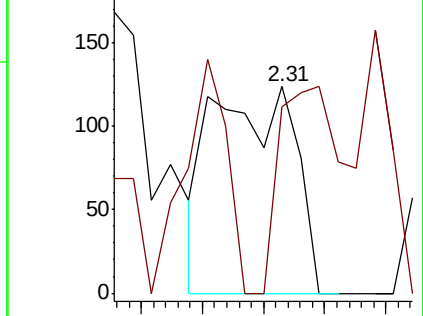
56 100

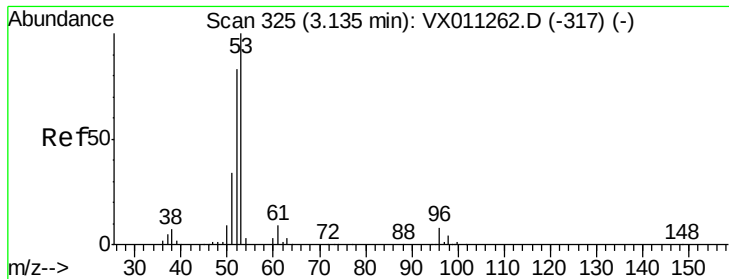
55 81.3 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.553 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011321.D

Acq: 05 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

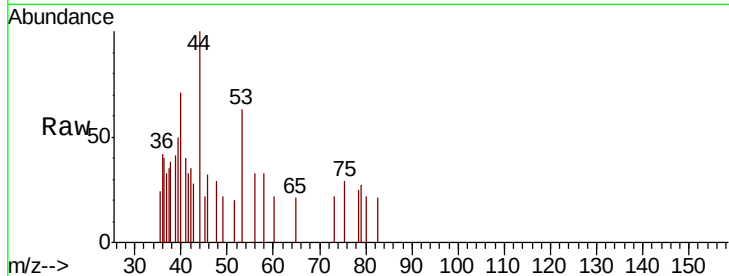
Tot Ion: 53 Resp: 364

Ion Ratio Lower Upper

53 100

52 54.9 65.5 98.3#

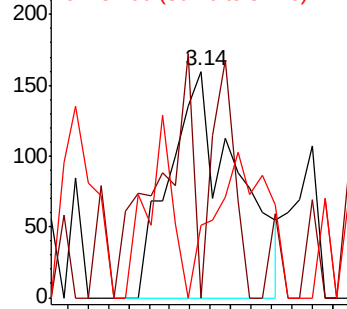
51 30.8 27.9 41.9



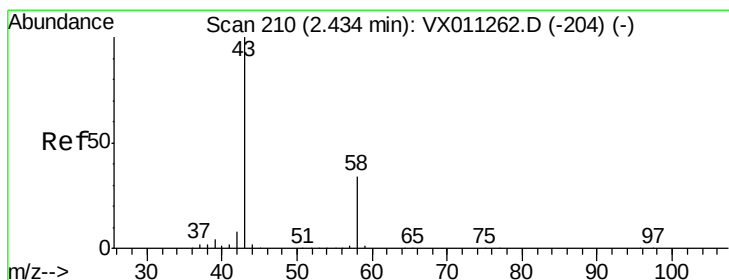
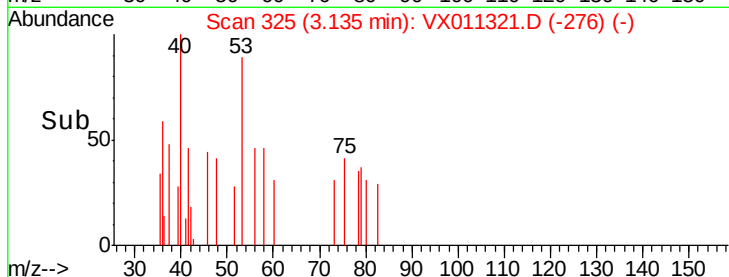
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 0.696 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011321.D

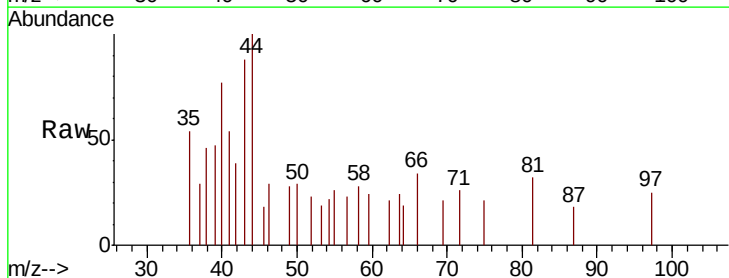
Acq: 05 Aug 2019 11:03

Tgt Ion: 43 Resp: 458

Ion Ratio Lower Upper

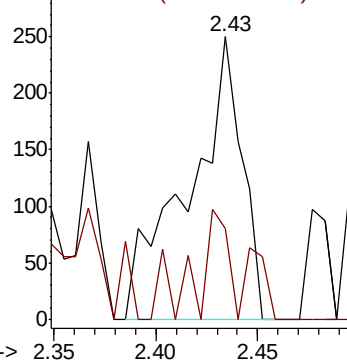
43 100

58 10.0 27.4 41.0#

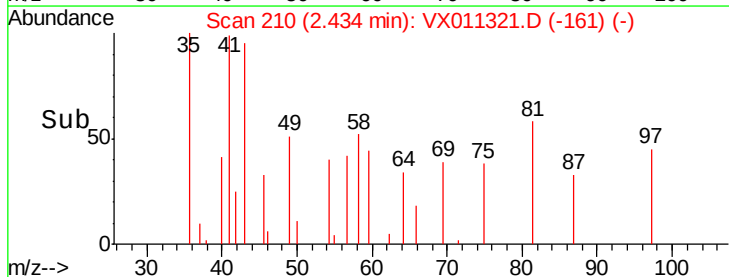


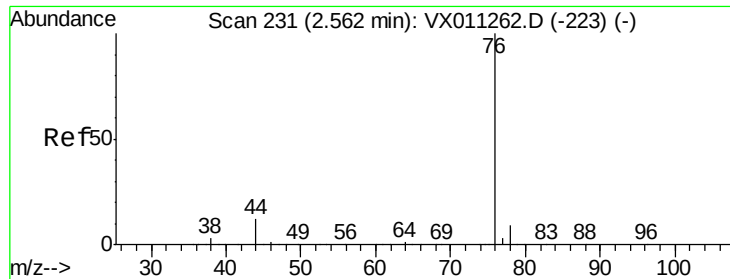
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

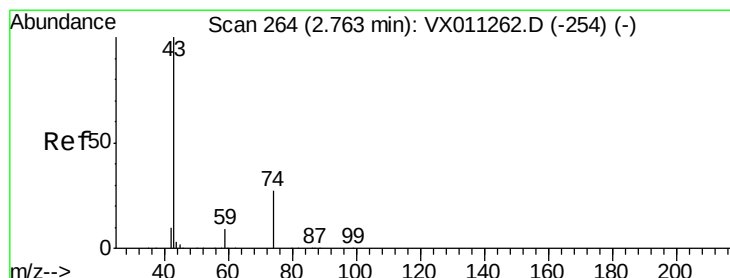
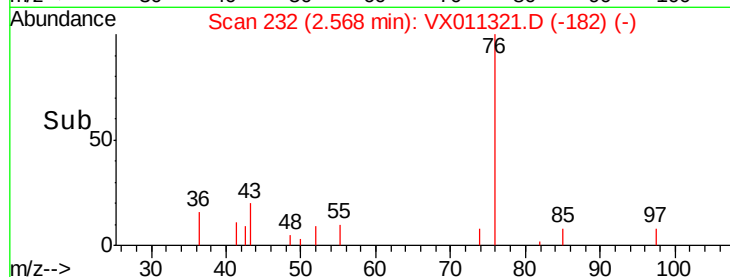
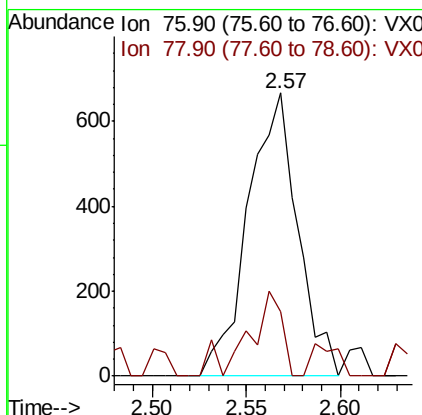
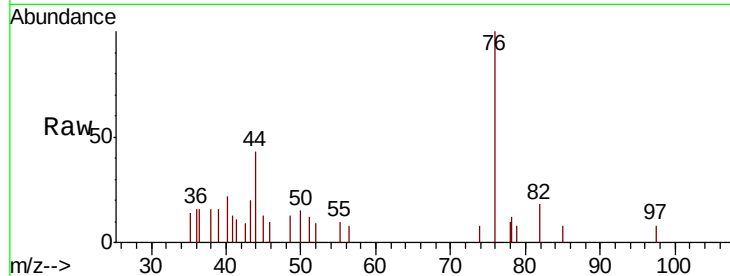




#17
Carbon Disulfide
Concen: 0.416 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX011321.D
Acq: 05 Aug 2019 11:03

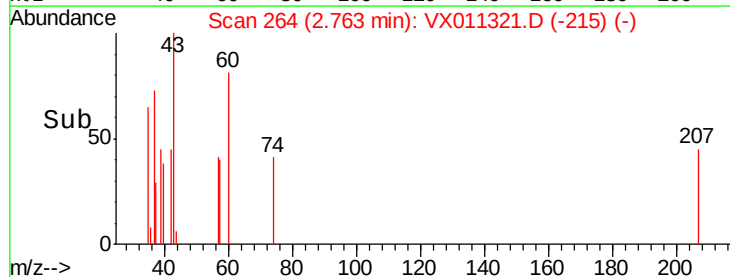
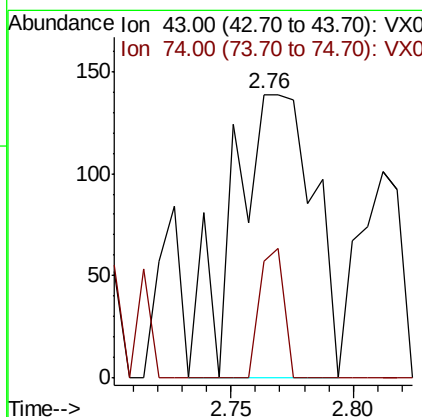
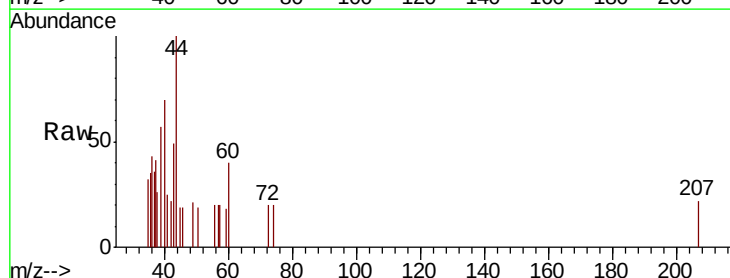
Instrument :
MSVOA_X
ClientSampleId :

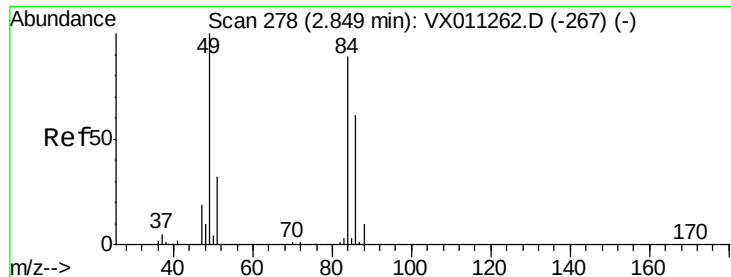
Tot Ion: 76 Resp: 1219
Ion Ratio Lower Upper
76 100
78 22.6 7.4 11.0#



#18
Methyl Acetate
Concen: 0.213 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011321.D
Acq: 05 Aug 2019 11:03

Tgt Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
74 13.7 21.0 31.6#

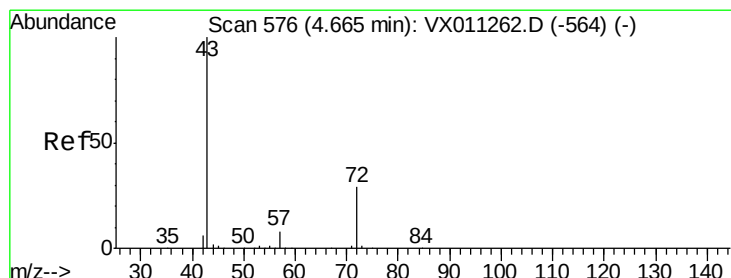
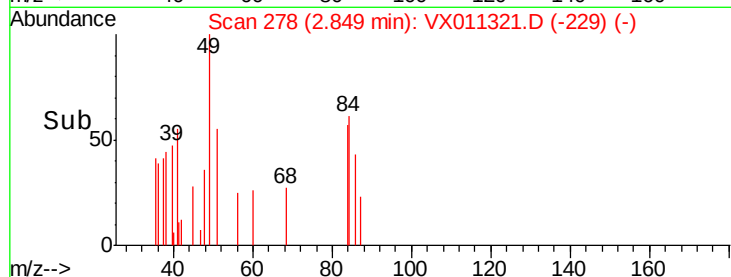
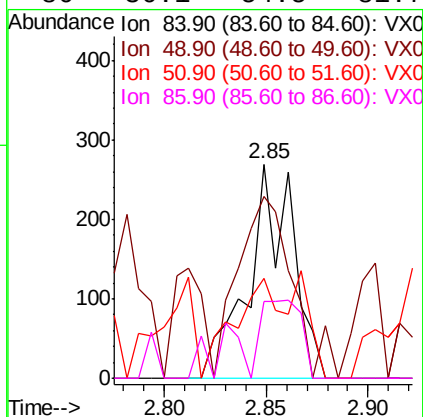
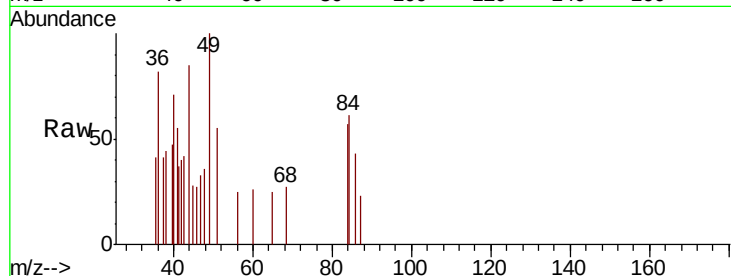




#20
Methvlene Chloride
Concen: 0.286 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011321.D
Acq: 05 Aug 2019 11:03

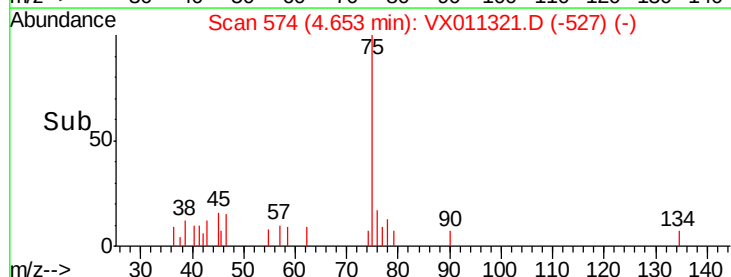
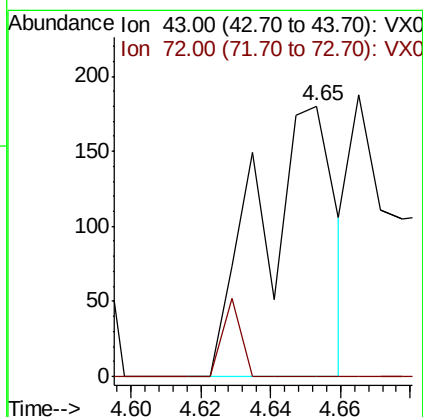
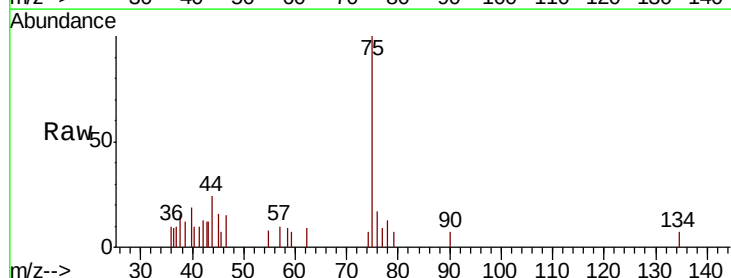
Instrument :
MSVOA_X
ClientSampleId :

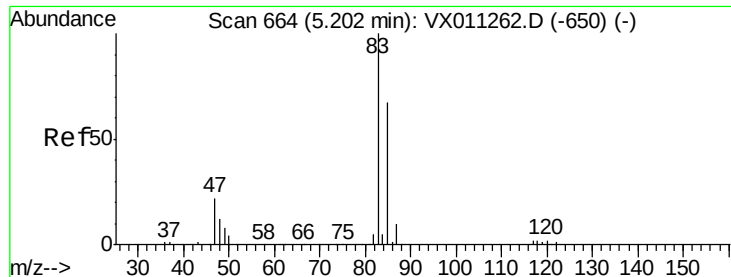
Tot Ion: 84 Resp: 412
Ion Ratio Lower Upper
84 100
49 84.8 89.3 133.9#
51 46.5 28.3 42.5#
86 36.1 54.5 81.7#



#25
2-Butanone
Concen: 0.286 ug/l
RT: 4.65 min Scan# 574
Delta R.T. -0.01 min
Lab File: VX011321.D
Acq: 05 Aug 2019 11:03

Tgt Ion: 43 Resp: 268
Ion Ratio Lower Upper
43 100
72 0.0 23.2 34.8#

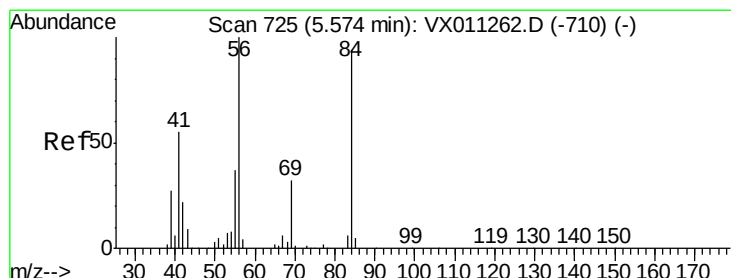
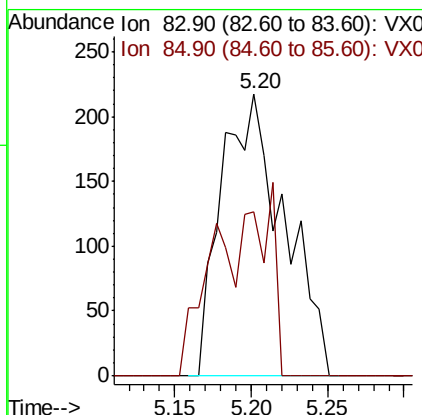
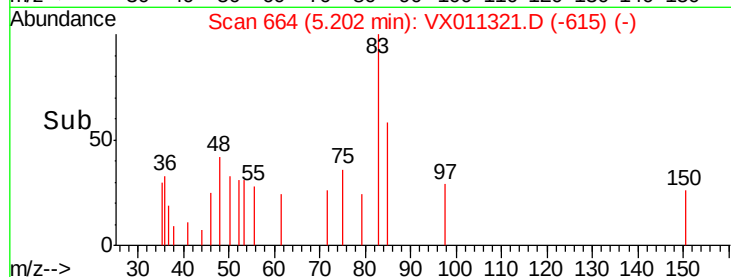
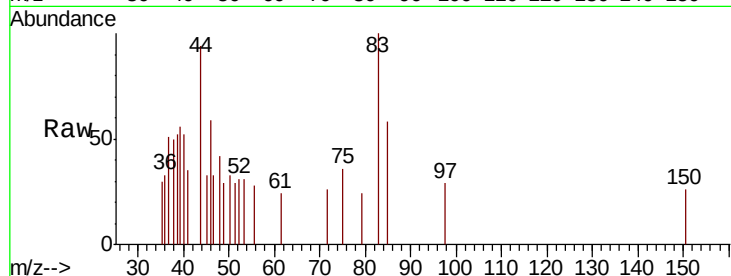




#30
Chloroform
Concen: 0.266 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011321.D
Acq: 05 Aug 2019 11:03

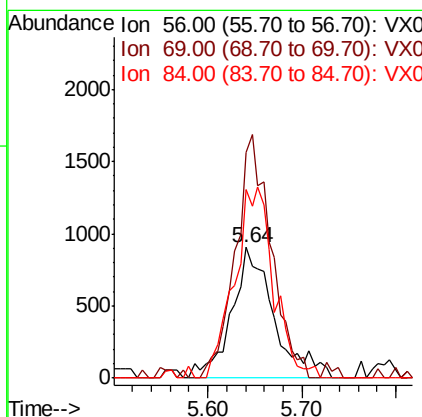
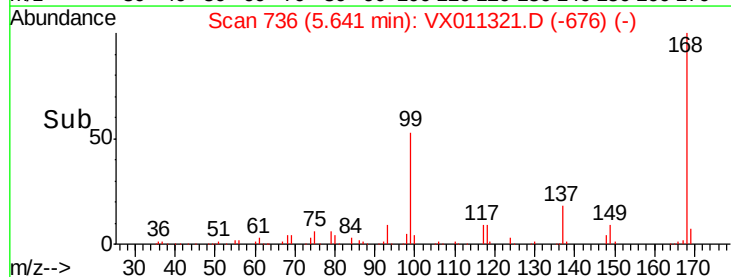
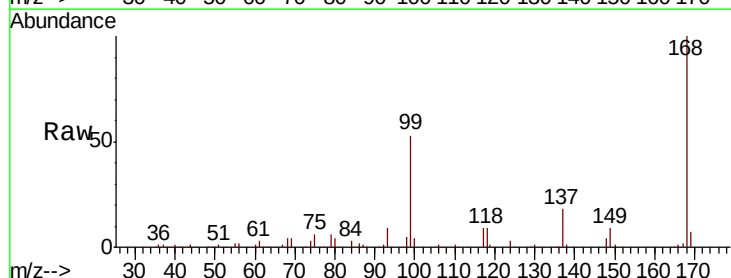
Instrument :
MSVOA_X
ClientSampled :

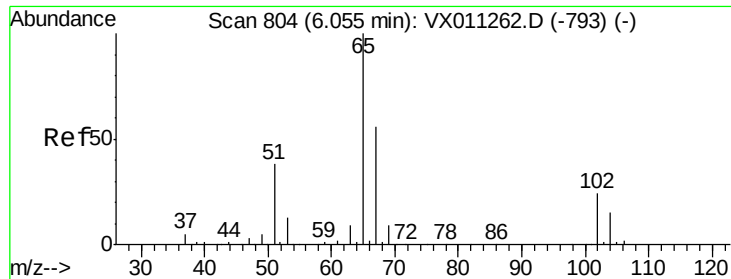
Tot Ion: 83 Resp: 623
Ion Ratio Lower Upper
83 100
85 58.3 53.4 80.0



#31
Cyclohexane
Concen: 1.588 ug/l
RT: 5.64 min Scan# 736
Delta R.T. 0.07 min
Lab File: VX011321.D
Acq: 05 Aug 2019 11:03

Tgt Ion: 56 Resp: 2828
Ion Ratio Lower Upper
56 100
69 172.4 25.5 38.3#
84 144.5 75.0 112.4#

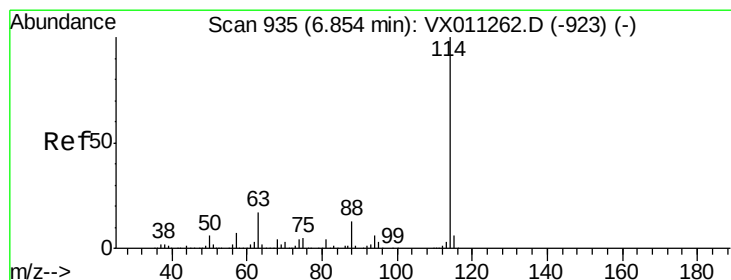
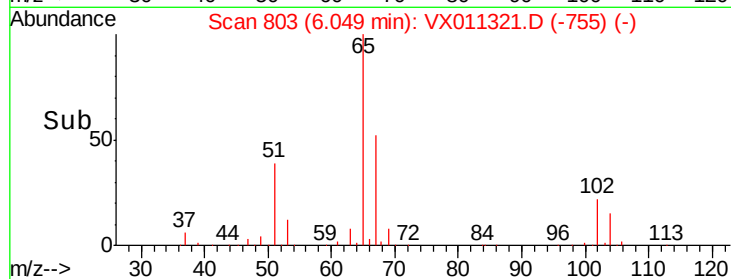
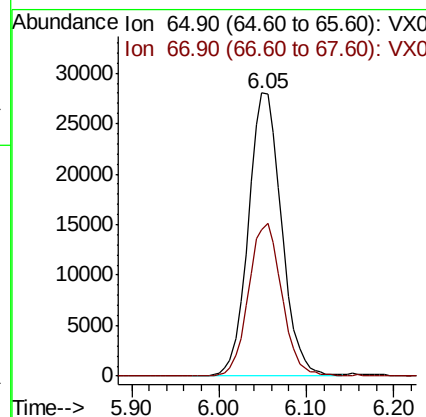
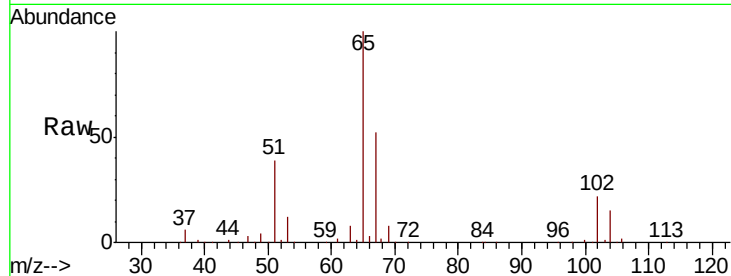




#33
 1,2-Dichloroethane-d4
 Concen: 53.390 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX011321.D
 Acq: 05 Aug 2019 11:03

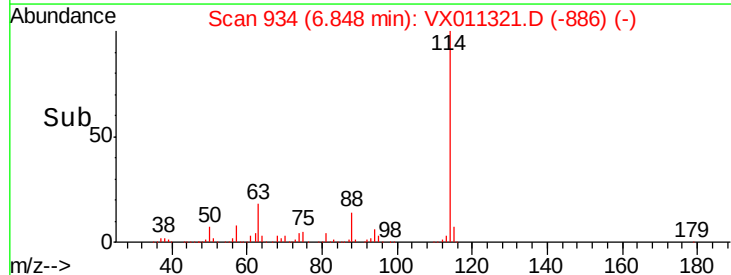
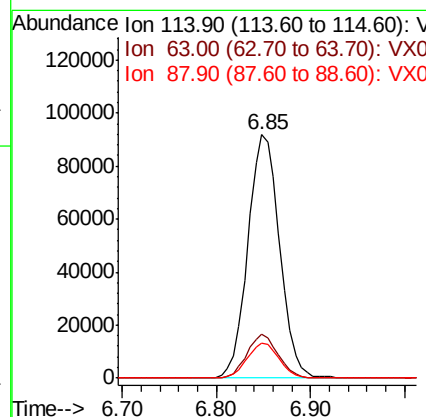
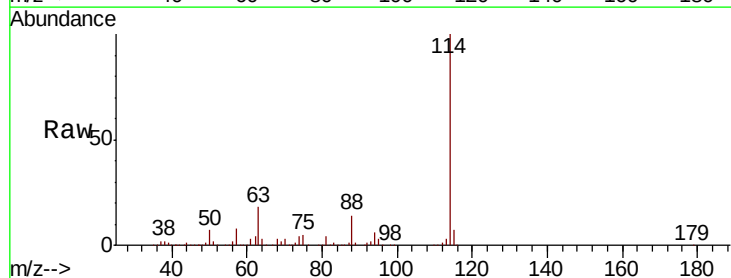
Instrument :
 MSVOA_X
 ClientSampleId :

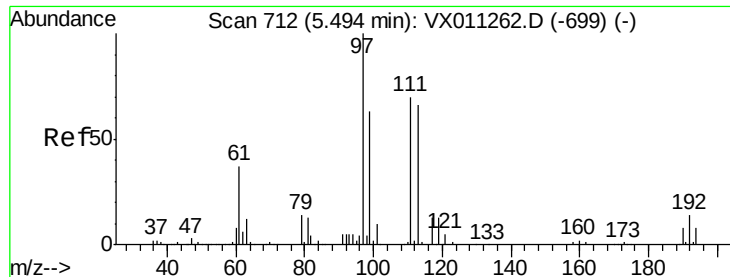
Tot Ion: 65 Resp: 73826
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011321.D
 Acq: 05 Aug 2019 11:03

Tgt Ion: 114 Resp: 216963
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.0
 88 14.3 0.0 26.4





#35

Dibromofluoromethane

Concen: 50.574 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011321.D

Acq: 05 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampleId :

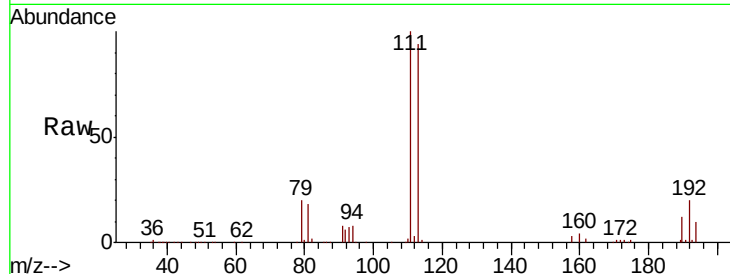
Tot Ion:113 Resp: 71638

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

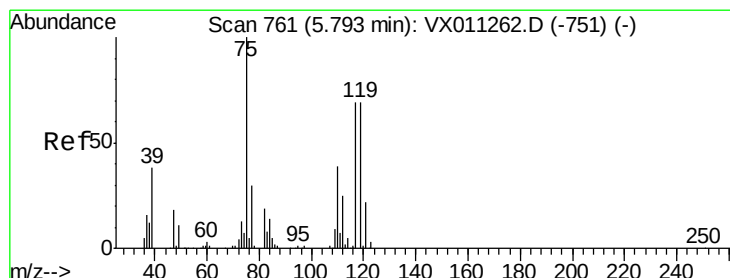
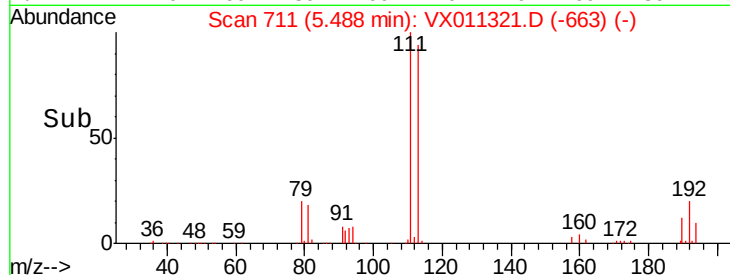
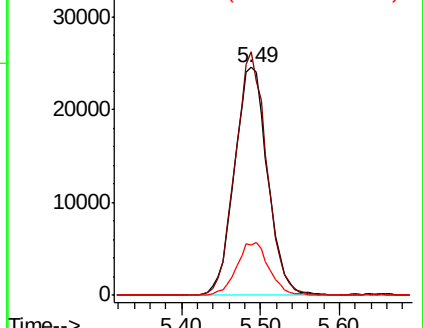
192 22.6 17.8 26.8



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: 4.641 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.15 min

Lab File: VX011321.D

Acq: 05 Aug 2019 11:03

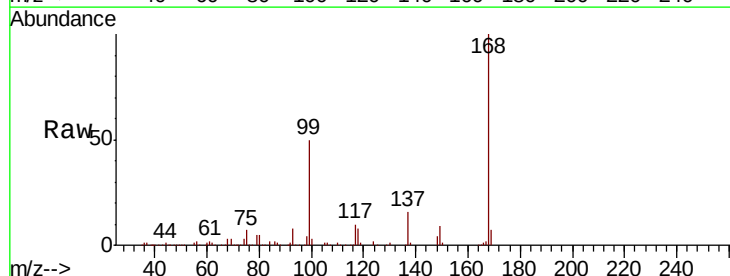
Tgt Ion: 75 Resp: 8791

Ion Ratio Lower Upper

75 100

110 11.4 20.0 59.9#

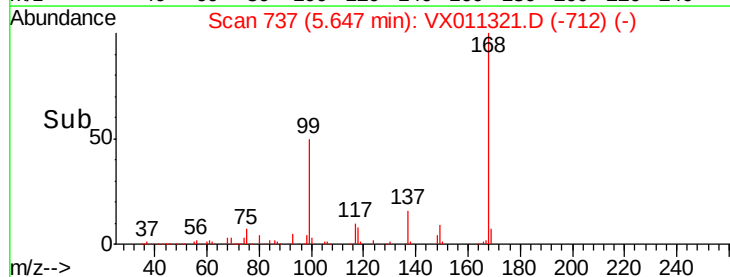
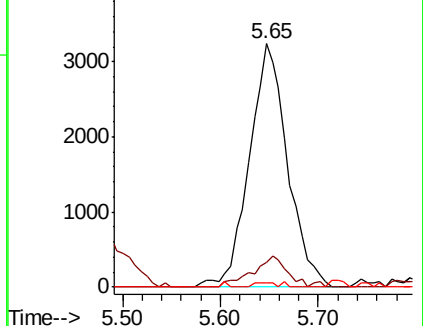
77 0.9 24.8 37.2#

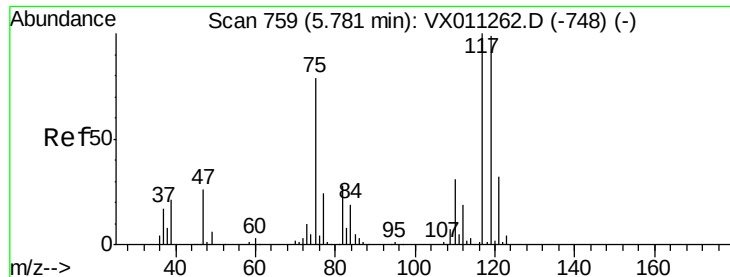


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.725 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.13 min

Lab File: VX011321.D

Acq: 05 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

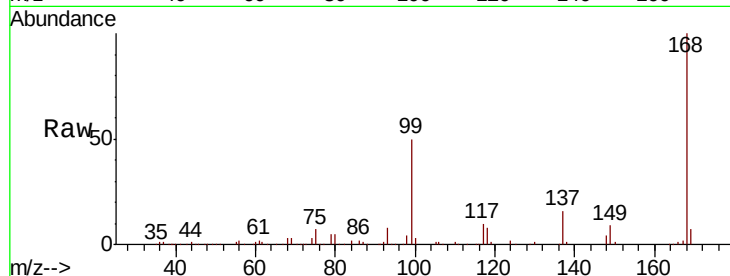
Tot Ion:117 Resp: 12817

Ion Ratio Lower Upper

117 100

119 7.8 79.0 118.4#

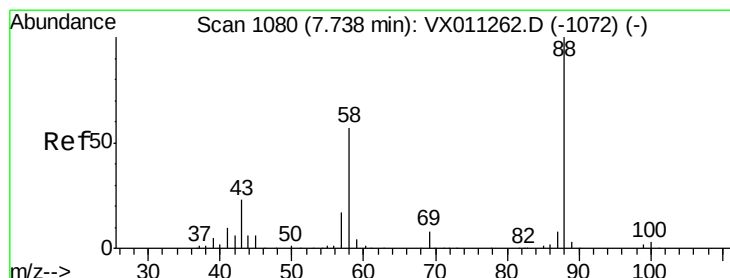
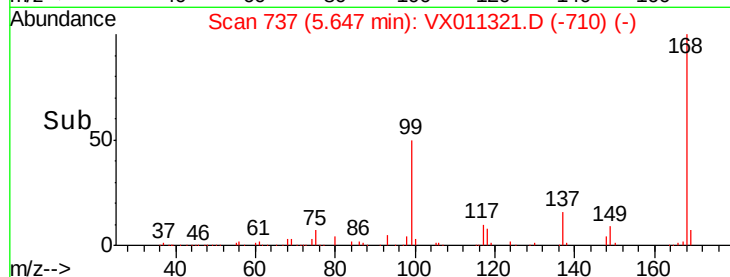
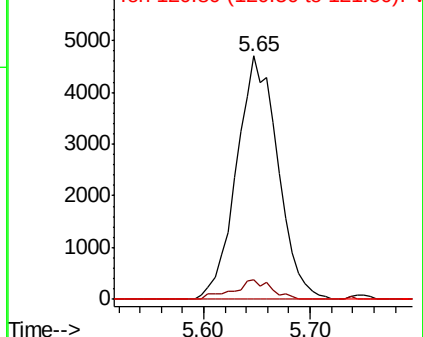
121 0.0 25.9 38.9#



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: 1.327 ug/l

RT: 7.70 min Scan# 1074

Delta R.T. -0.04 min

Lab File: VX011321.D

Acq: 05 Aug 2019 11:03

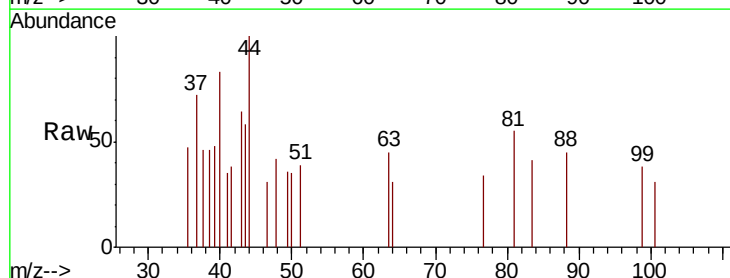
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 661.8 22.2 33.2#

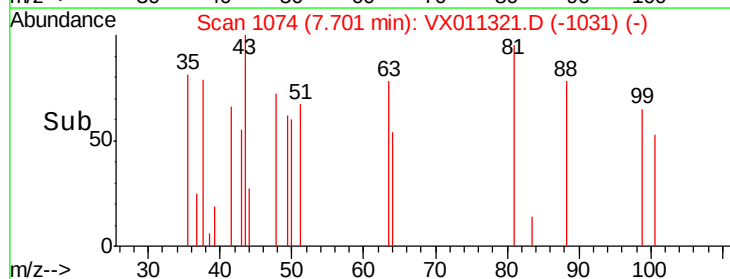
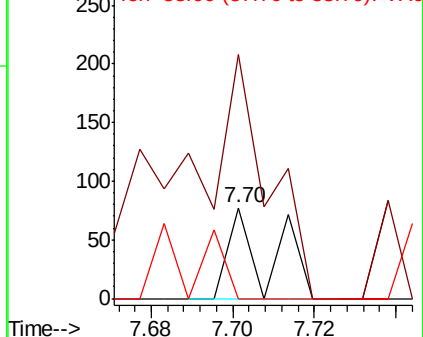
58 81.8 47.8 71.8#

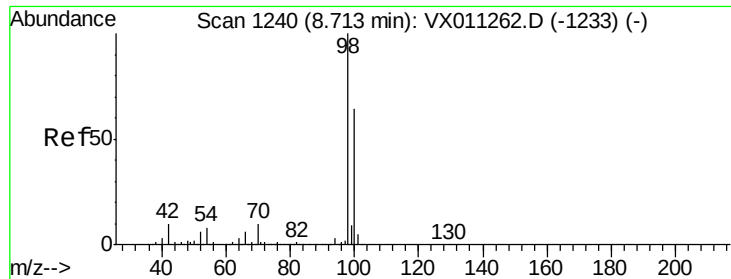


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

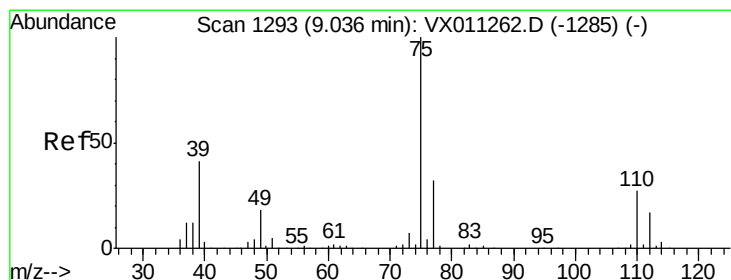
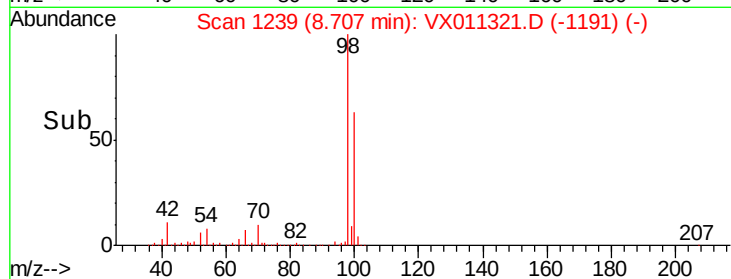
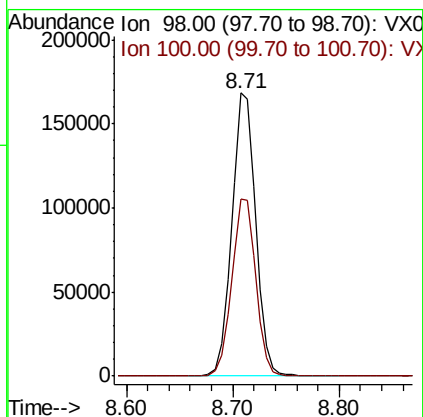
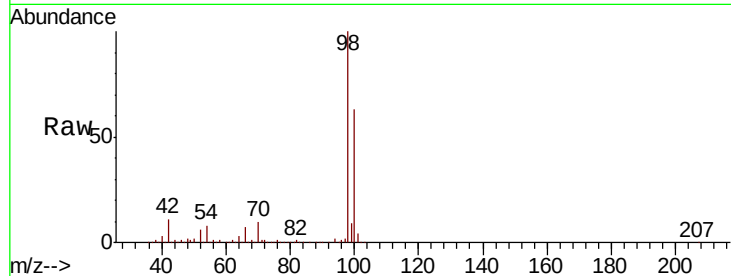




#50
Toluene-d8
Concen: 49.412 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011321.D
Acq: 05 Aug 2019 11:03

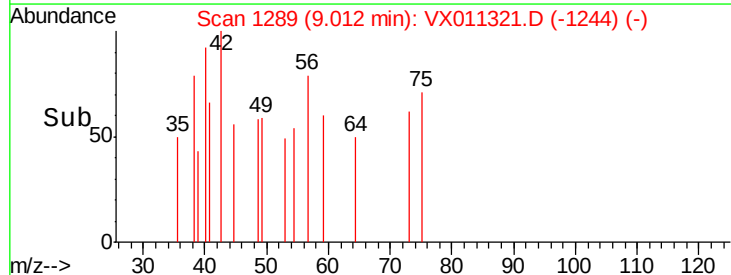
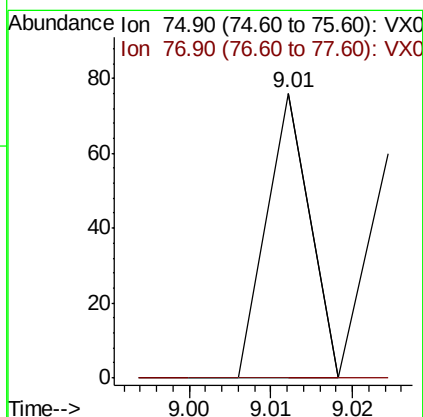
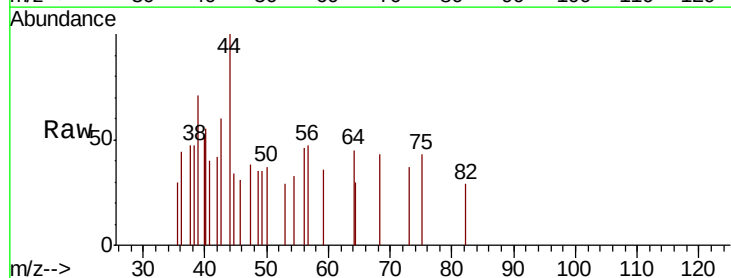
Instrument :
MSVOA_X
ClientSampleId :

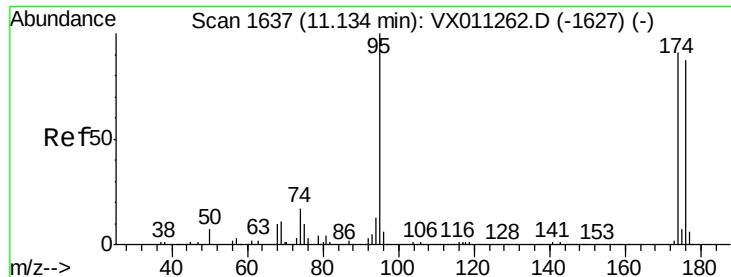
Tot Ion: 98 Resp: 264201
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 2.851 ug/l
RT: 9.01 min Scan# 1289
Delta R.T. -0.02 min
Lab File: VX011321.D
Acq: 05 Aug 2019 11:03

Tgt Ion: 75 Resp: 28
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#





#62

4-Bromofluorobenzene

Concen: 45.835 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011321.D

Acq: 05 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampleId :

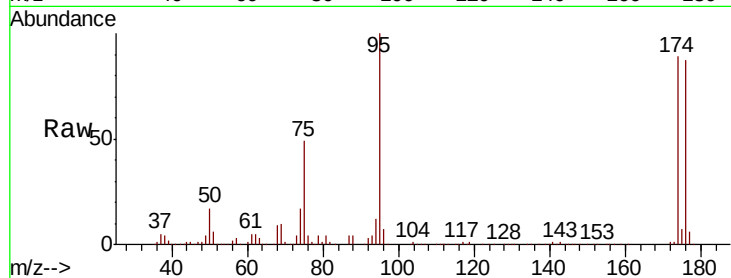
Tot Ion: 95 Resp: 87498

Ion Ratio Lower Upper

95 100

174 93.0 0.0 191.2

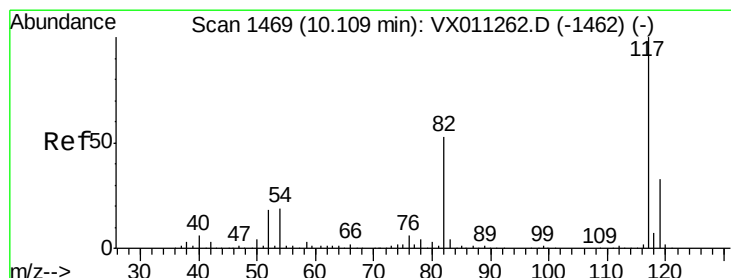
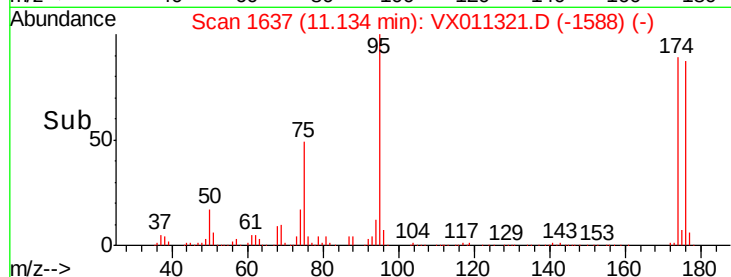
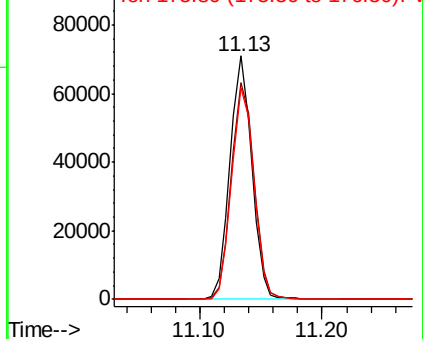
176 88.8 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX011321.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011321.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011321.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011321.D

Acq: 05 Aug 2019 11:03

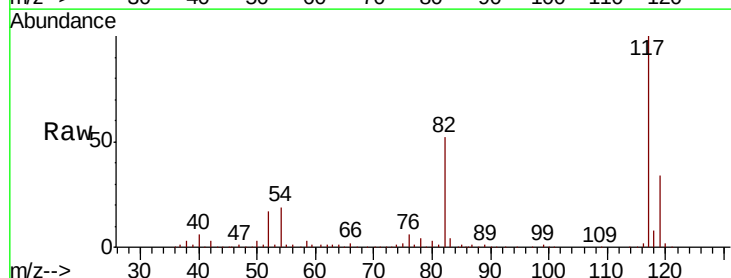
Tgt Ion: 117 Resp: 200599

Ion Ratio Lower Upper

117 100

82 52.1 42.2 63.2

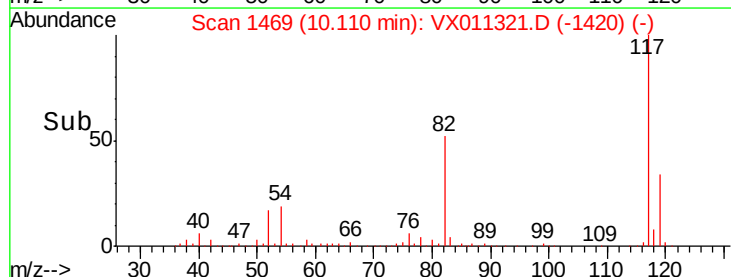
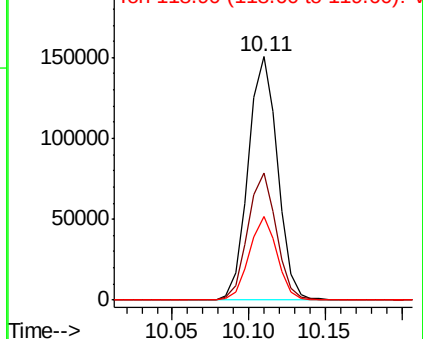
119 34.5 26.6 39.8

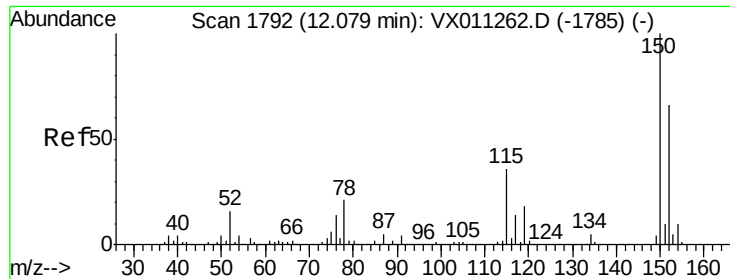


Abundance Ion 116.90 (116.60 to 117.60): VX011321.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011321.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011321.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011321.D

Acq: 05 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

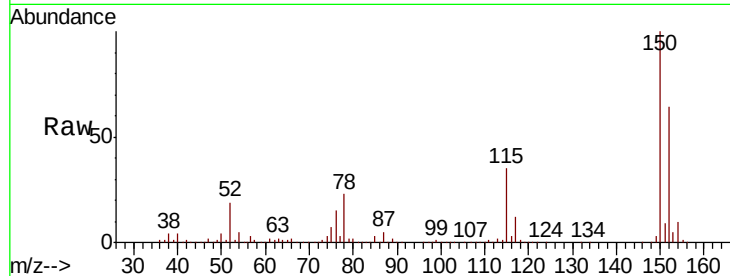
Tot Ion:152 Resp: 90489

Ion Ratio Lower Upper

152 100

115 53.6 40.0 119.9

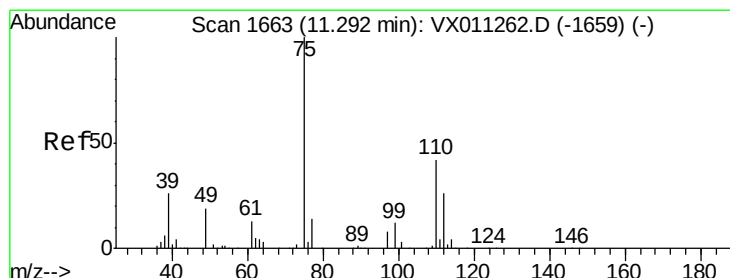
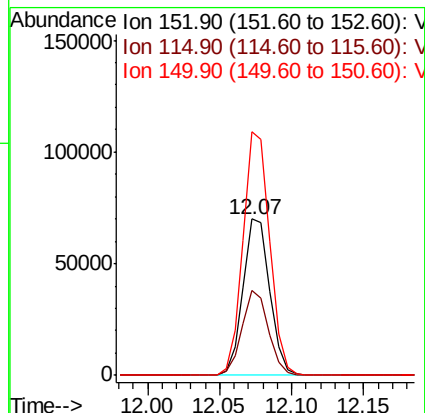
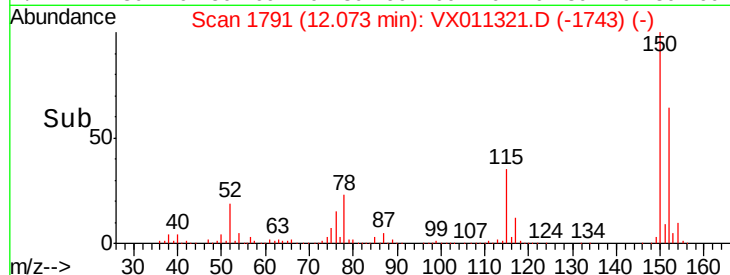
150 154.6 0.0 350.4



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: 26.132 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011321.D

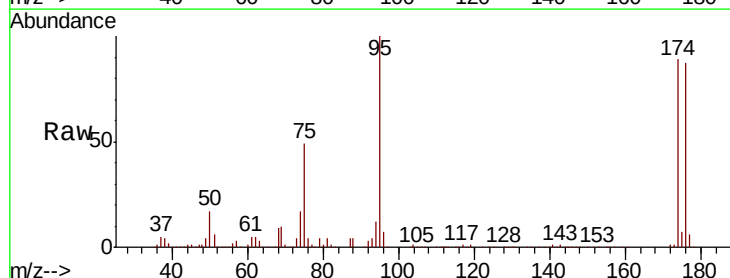
Acq: 05 Aug 2019 11:03

Tgt Ion: 75 Resp: 43063

Ion Ratio Lower Upper

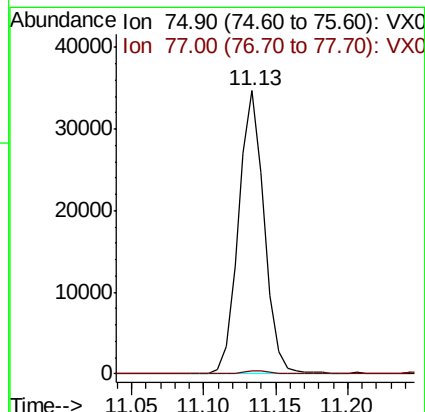
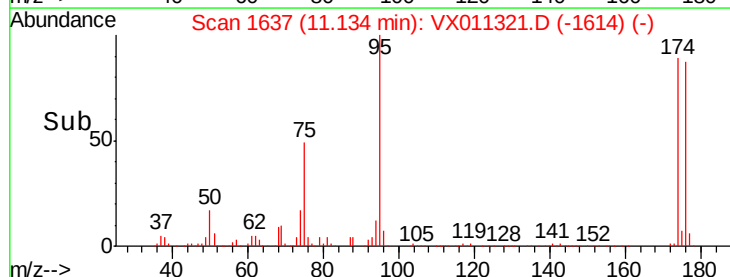
75 100

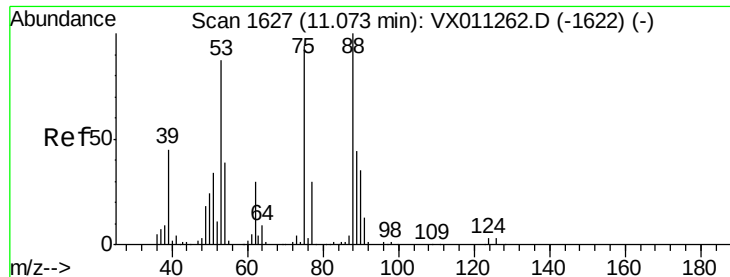
77 1.2 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

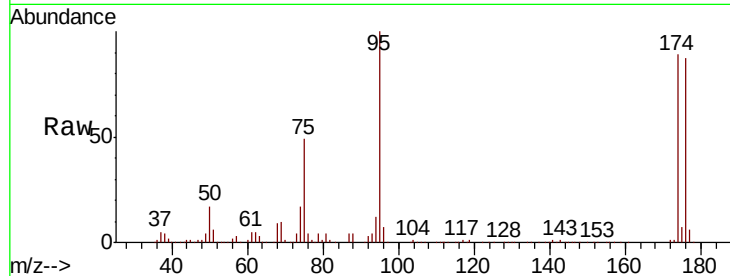




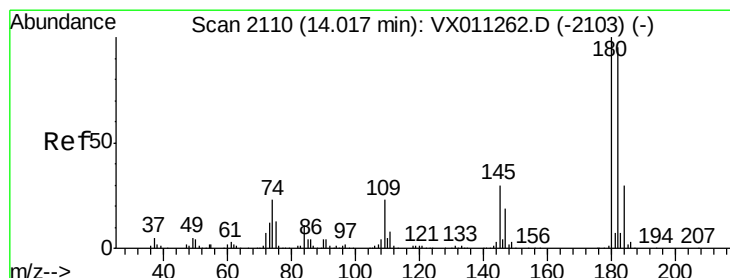
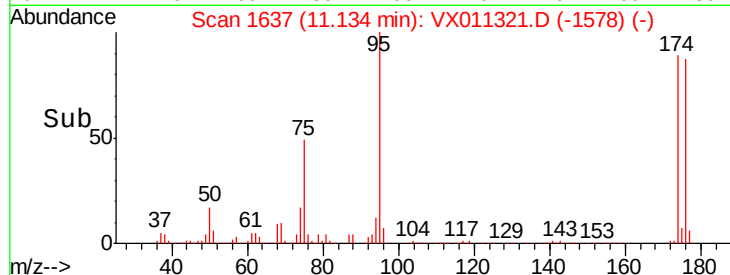
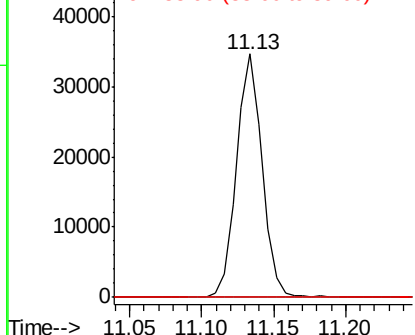
#81
trans-1,4-Dichloro-2-butene
Concen: 67.988 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011321.D
Acq: 05 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 43063
Ion Ratio Lower Upper
75 100
53 0.3 78.2 117.4#
89 0.1 37.9 56.9#

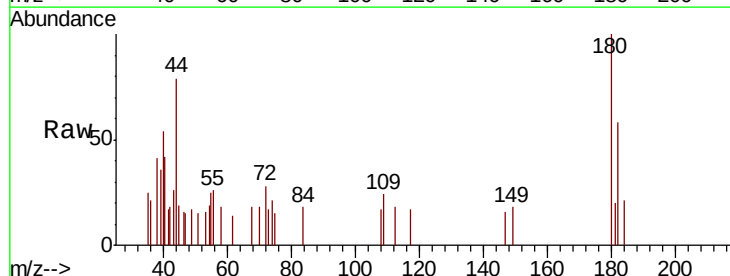


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#96
1,2,3-Trichlorobenzene
Concen: 0.220 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011321.D
Acq: 05 Aug 2019 11:03

Tgt Ion:180 Resp: 451
Ion Ratio Lower Upper
180 100
182 86.5 47.4 142.3
145 23.1 15.2 45.6



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

