

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012863.D
 Acq On : 08 Oct 2019 02:06
 Operator : JC/SP
 Sample : K5232-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 11:16:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	176155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	303708	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	261941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103137	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	119317	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	5.49	113	89545	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	8.71	98	360333	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
62) 4-Bromofluorobenzene	11.13	95	126482	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

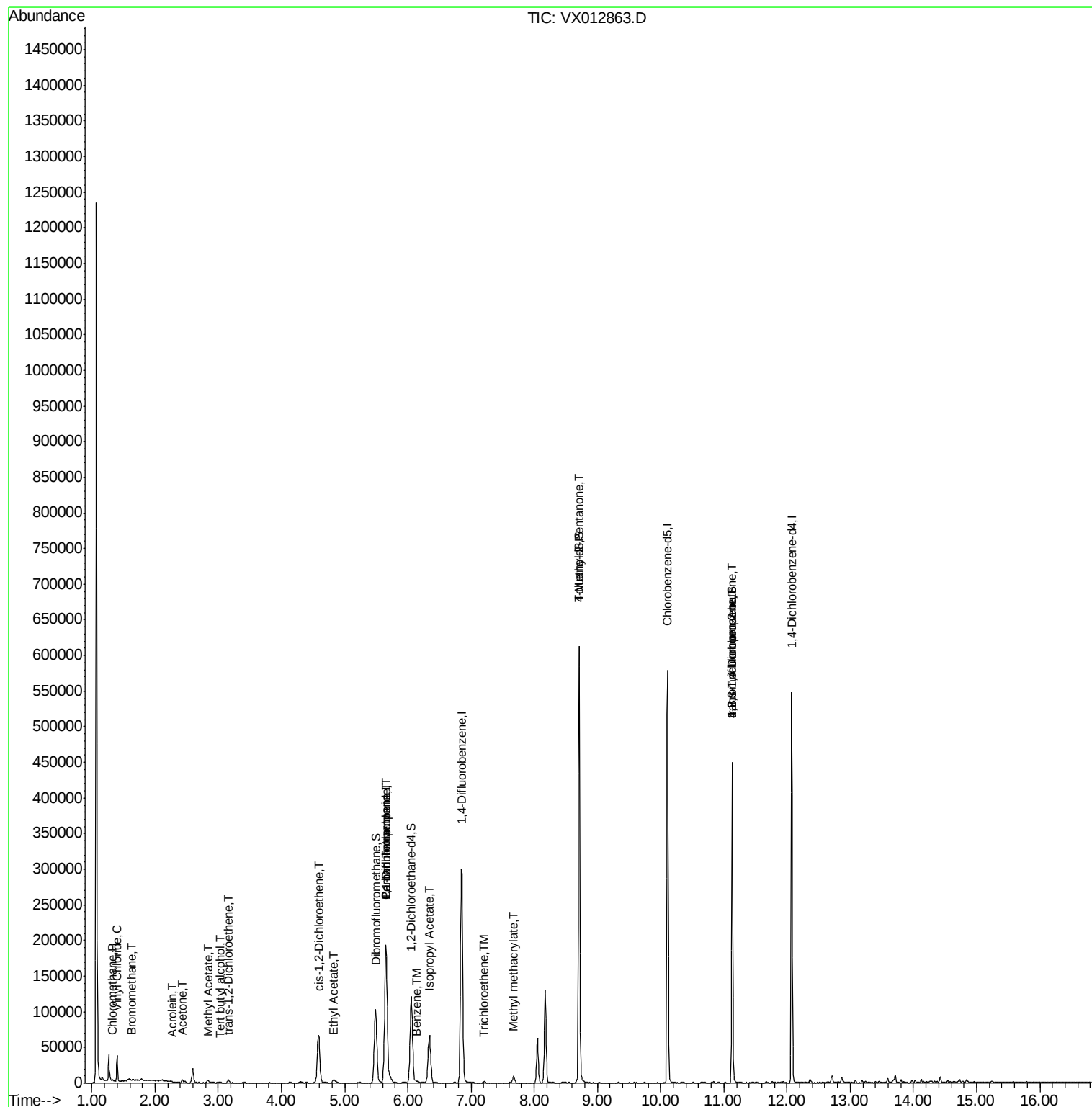
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	470	0.207	ug/l	100
4) Vinyl Chloride	1.40	62	21113	9.335	ug/l	97
5) Bromomethane	1.64	94	354	0.398	ug/l	83
11) Tert butyl alcohol	3.03	59	1065	1.662	ug/l #	72
13) Acrolein	2.28	56	108	10.523	ug/l #	48
16) Acetone	2.44	43	4190	3.084	ug/l	92
18) Methyl Acetate	2.84	43	3108	0.971	ug/l #	54
21) trans-1,2-Dichloroethene	3.16	96	1238	0.590	ug/l #	75
27) cis-1,2-Dichloroethene	4.59	96	43439	17.842	ug/l	82
36) 1,1-Dichloropropene	5.65	75	14539	4.966	ug/l #	51
37) Ethyl Acetate	4.83	43	8338	2.436	ug/l #	81
38) Carbon Tetrachloride	5.65	117	18799	6.322	ug/l #	17
40) Benzene	6.14	78	2675	0.311	ug/l #	79
43) Isopropyl Acetate	6.34	43	15755	2.753	ug/l #	62
44) Trichloroethene	7.21	130	874	0.397	ug/l	82
48) Methyl methacrylate	7.67	41	3074	1.120	ug/l #	35
51) 4-Methyl-2-Pentanone	8.71	43	2079	0.588	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	62124	22.771	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	62124	65.256	ug/l #	8

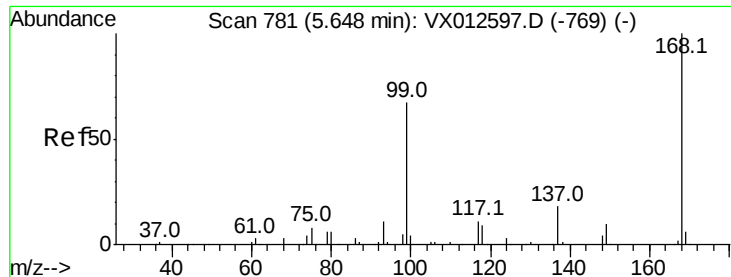
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100719\
Data File : VX012863.D
Acq On : 08 Oct 2019 02:06
Operator : JC/SP
Sample : K5232-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 08 11:16:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

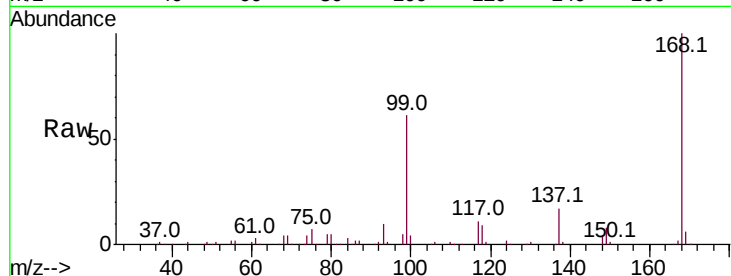
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 176155

Ion Ratio Lower Upper

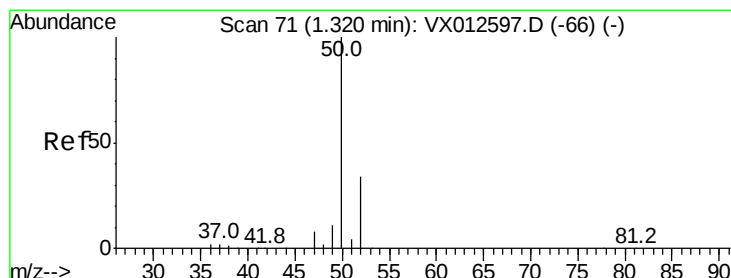
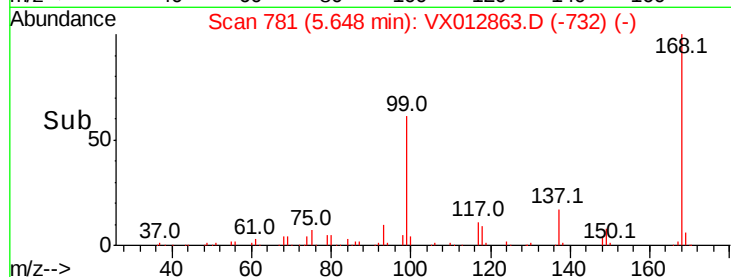
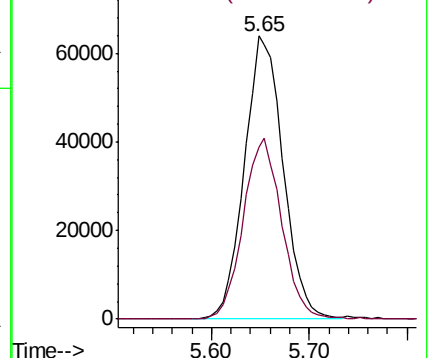
168 100

99 60.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012863.D

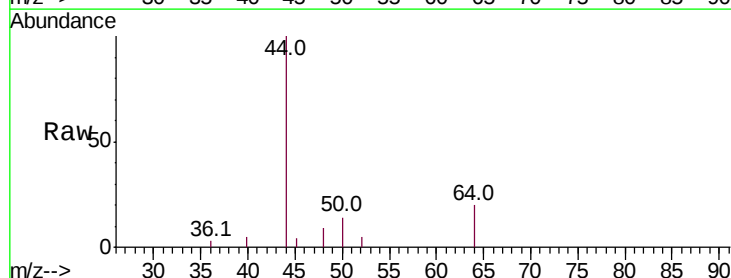
Acq: 08 Oct 2019 02:06

Tgt Ion: 50 Resp: 470

Ion Ratio Lower Upper

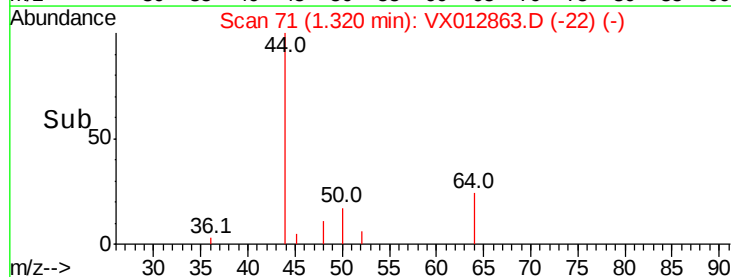
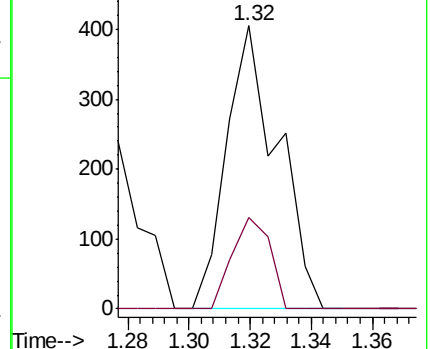
50 100

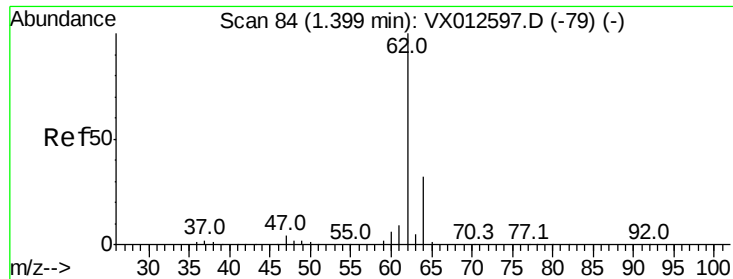
52 32.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

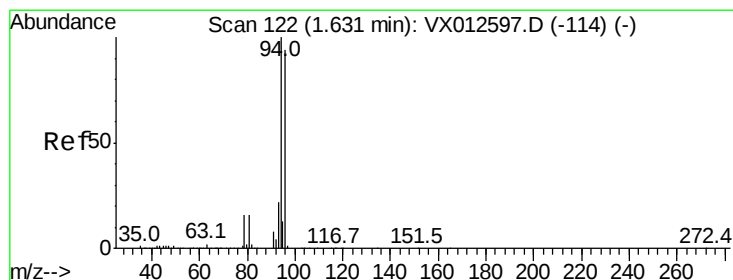
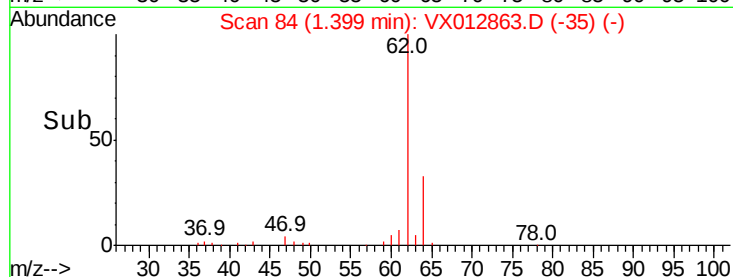
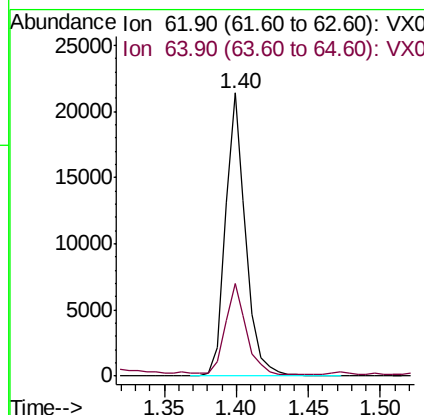
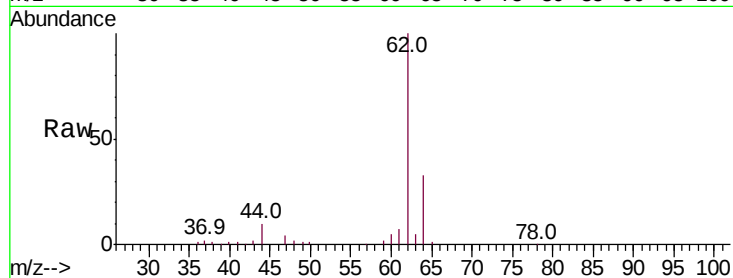




#4
 Vinyl Chloride
 Concen: 9.335 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. -0.00 min
 Lab File: VX012863.D
 Acq: 08 Oct 2019 02:06

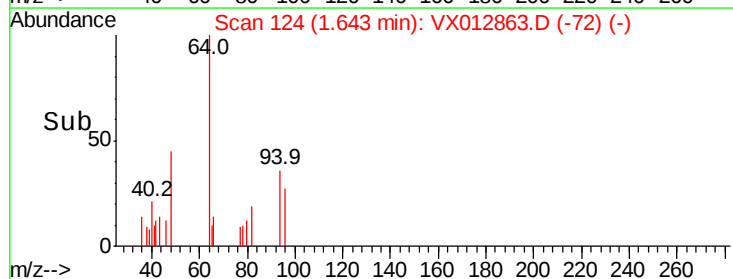
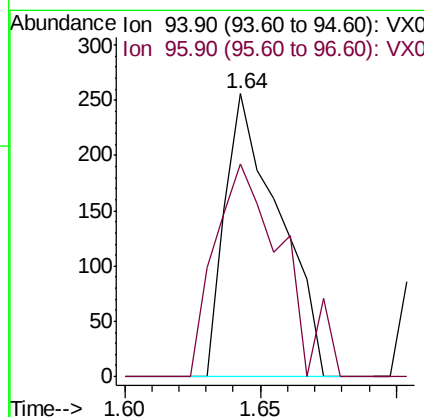
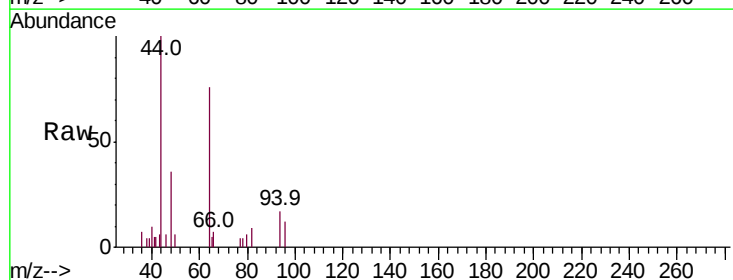
Instrument :
 MSVOA_X
 ClientSampleId :

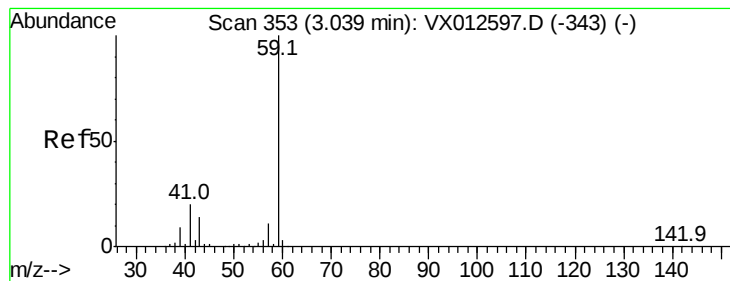
Tot Ion: 62 Resp: 21113
 Ion Ratio Lower Upper
 62 100
 64 31.7 24.2 36.2



#5
 Bromomethane
 Concen: 0.398 ug/l
 RT: 1.64 min Scan# 124
 Delta R.T. 0.02 min
 Lab File: VX012863.D
 Acq: 08 Oct 2019 02:06

Tgt Ion: 94 Resp: 354
 Ion Ratio Lower Upper
 94 100
 96 75.0 72.8 109.2





#11

Tert butyl alcohol

Concen: 1.662 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

Instrument :

MSVOA_X

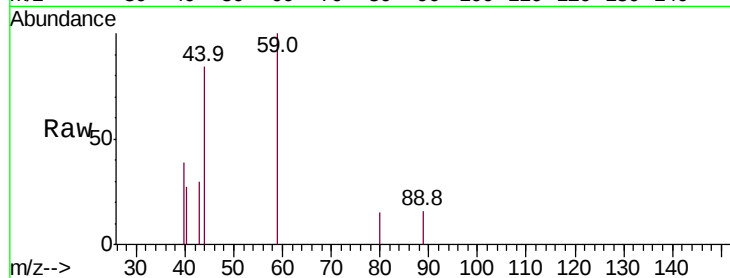
ClientSampleId :

Tot Ion: 59 Resp: 1065

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

300

200

100

0

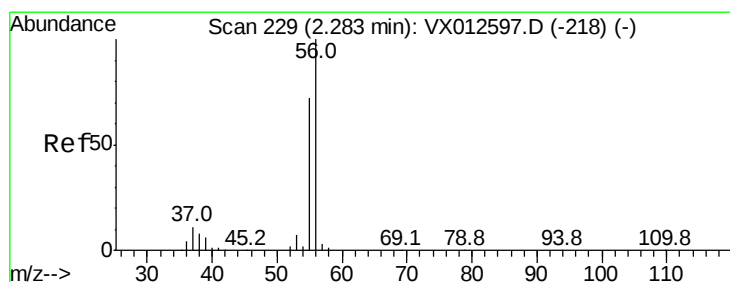
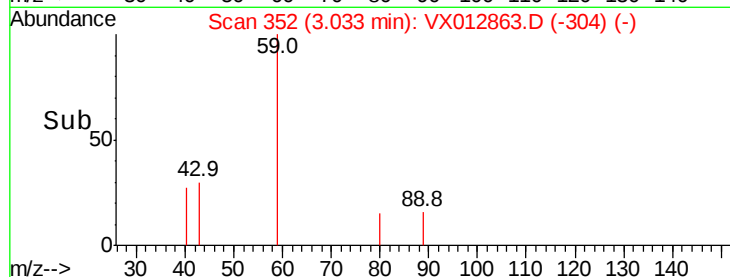
2.95

3.00

3.05

3.10

Time-->



#13

Acrolein

Concen: 10.523 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX012863.D

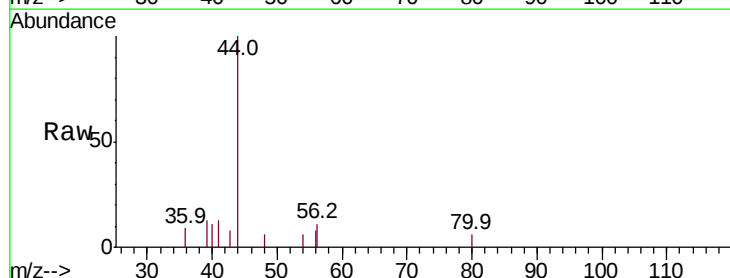
Acq: 08 Oct 2019 02:06

Tgt Ion: 56 Resp: 108

Ion Ratio Lower Upper

56 100

55 26.9 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

200

150

100

50

0

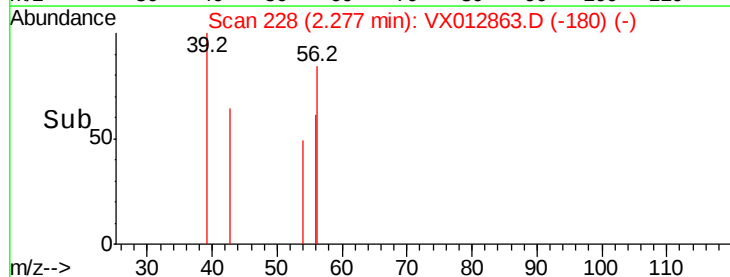
2.26

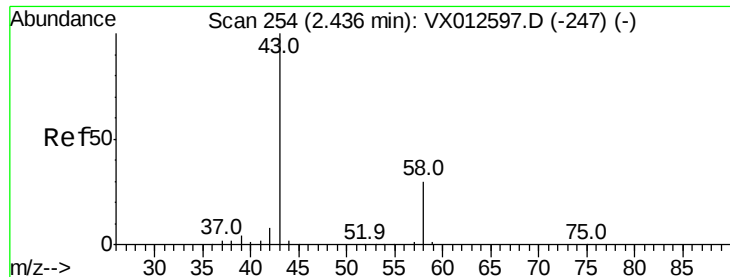
2.28

2.30

2.32

Time-->





#16

Acetone

Concen: 3.084 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

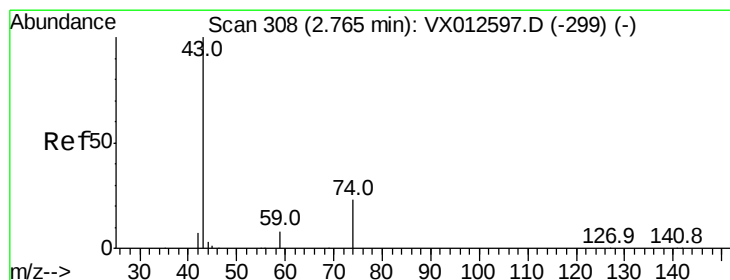
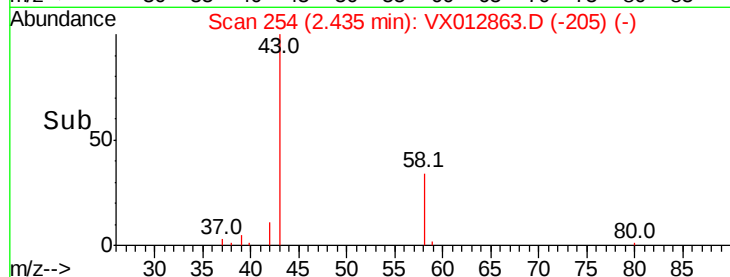
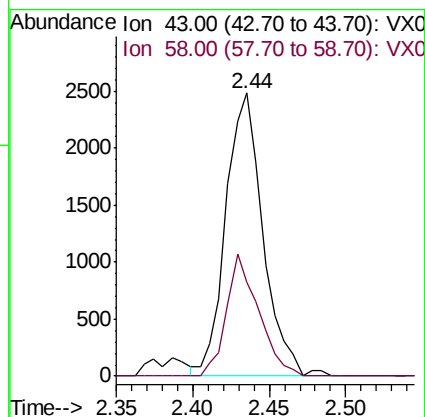
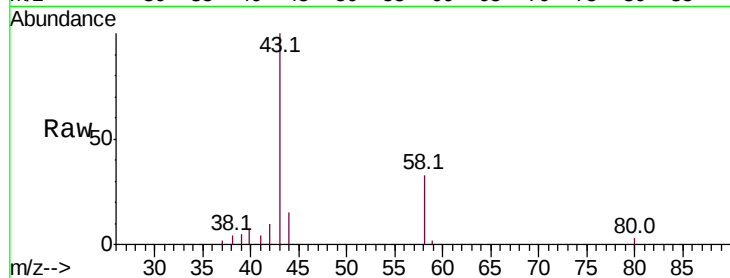
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 4190

Ion Ratio Lower Upper

43 100

58 33.2 23.3 34.9



#18

Methyl Acetate

Concen: 0.971 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.07 min

Lab File: VX012863.D

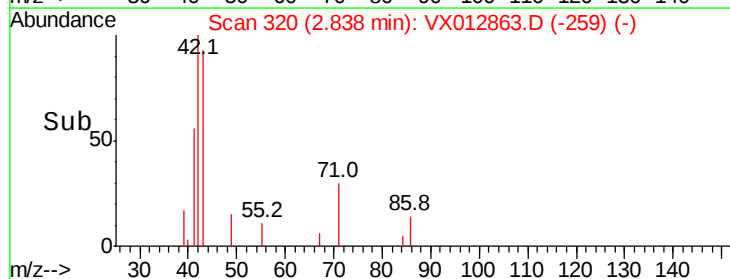
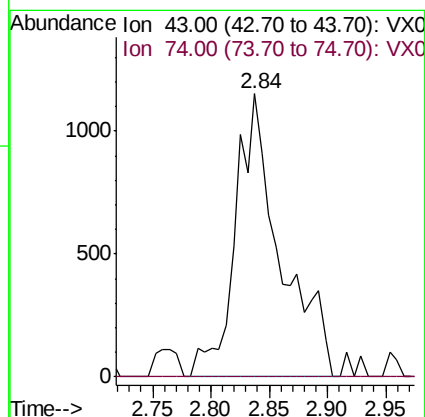
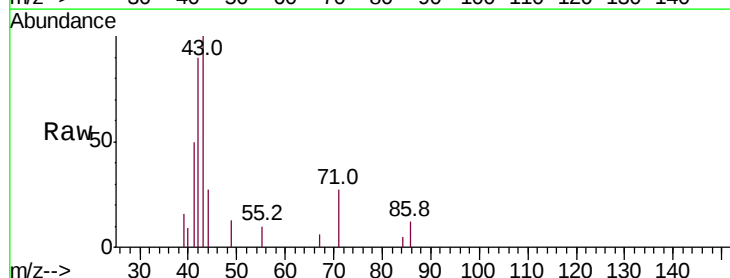
Acq: 08 Oct 2019 02:06

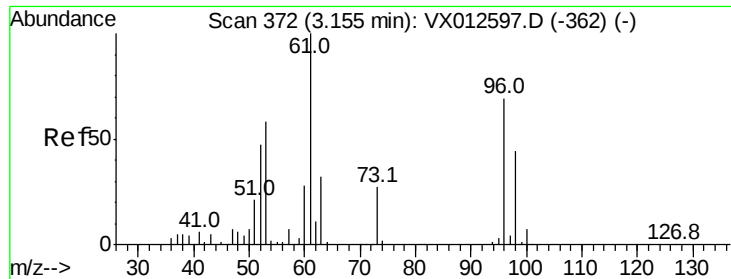
Tgt Ion: 43 Resp: 3108

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#





#21

trans-1,2-Dichloroethene

Concen: 0.590 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

Instrument :

MSVOA_X

ClientSampleId :

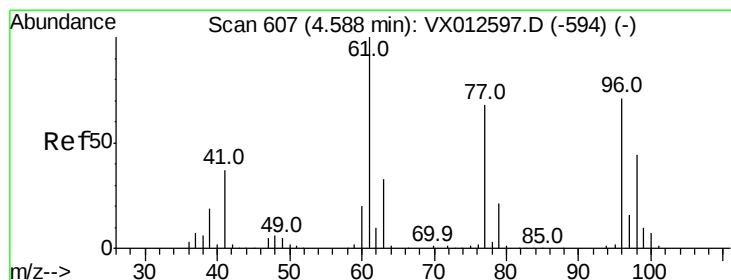
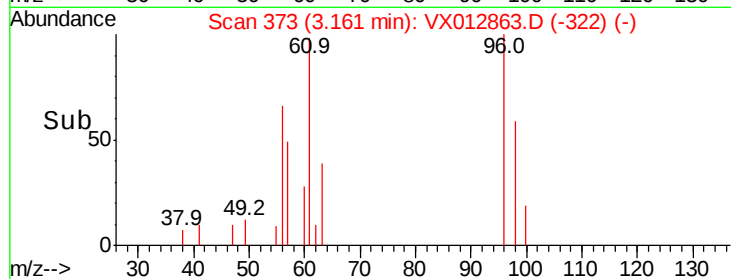
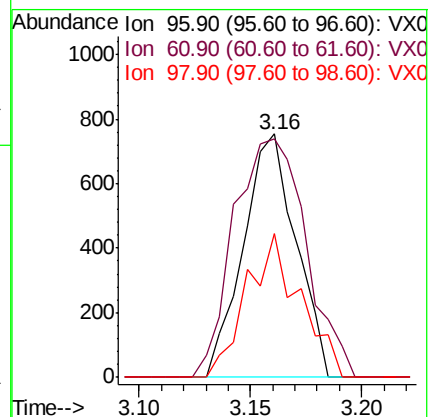
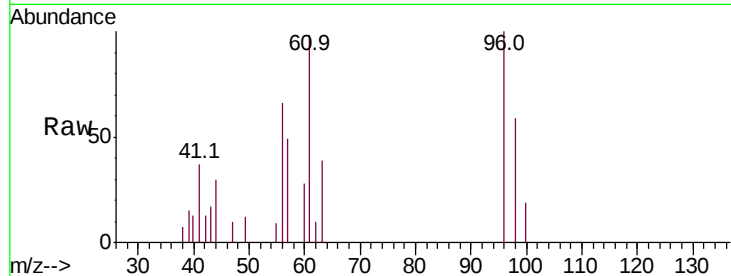
Tot Ion: 96 Resp: 1238

Ion Ratio Lower Upper

96 100

61 97.9 112.0 168.0#

98 59.0 47.8 71.8



#27

cis-1,2-Dichloroethene

Concen: 17.842 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

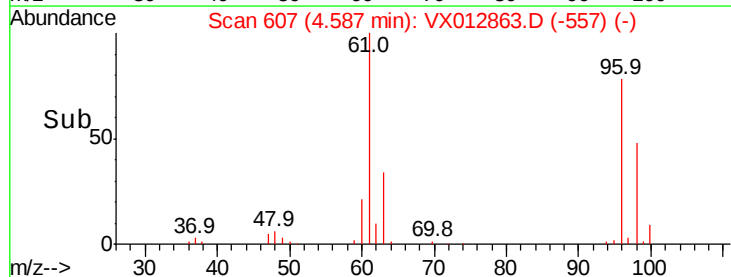
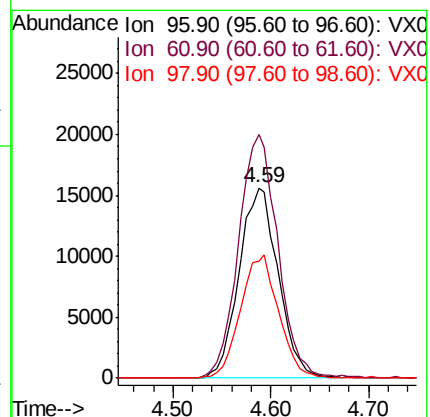
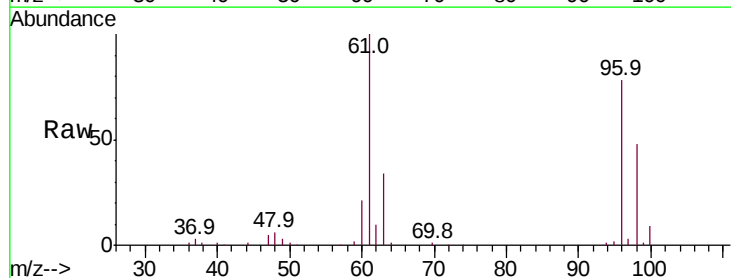
Tgt Ion: 96 Resp: 43439

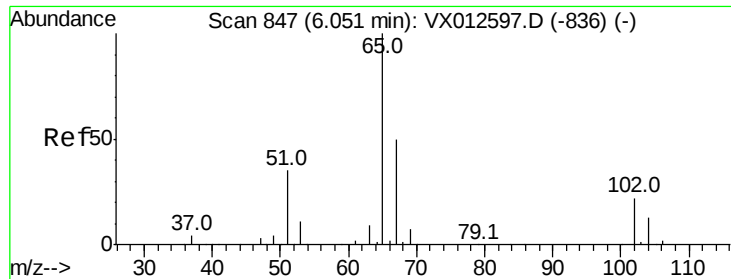
Ion Ratio Lower Upper

96 100

61 128.2 0.0 319.4

98 62.8 0.0 130.6

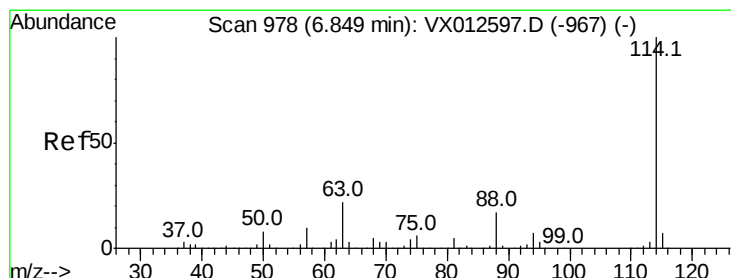
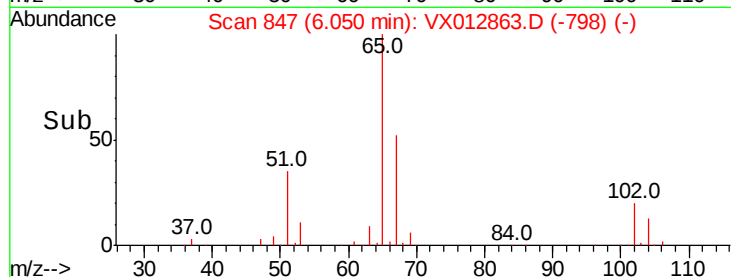
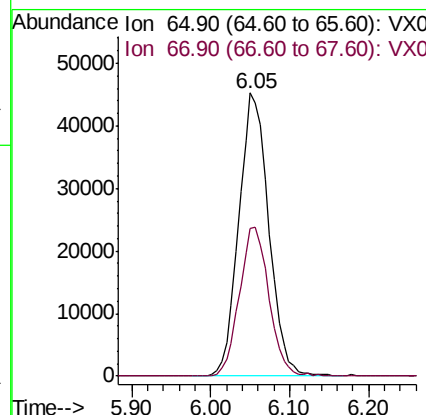
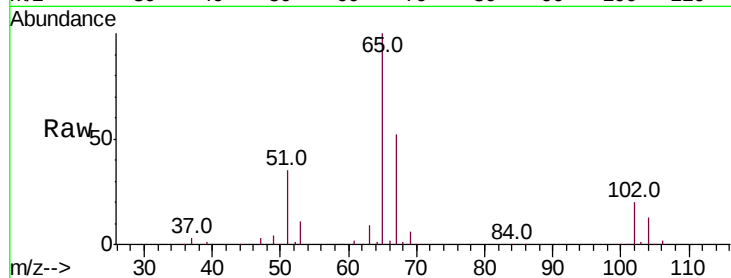




#33
 1,2-Dichloroethane-d4
 Concen: 46.514 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012863.D
 Acq: 08 Oct 2019 02:06

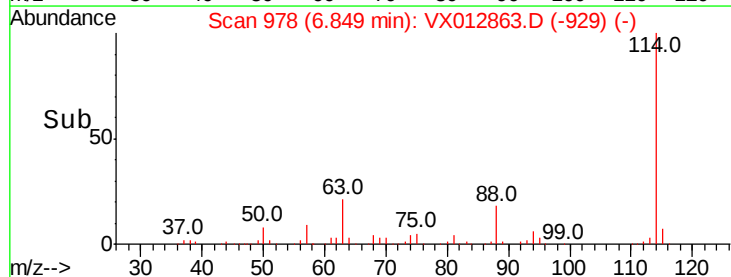
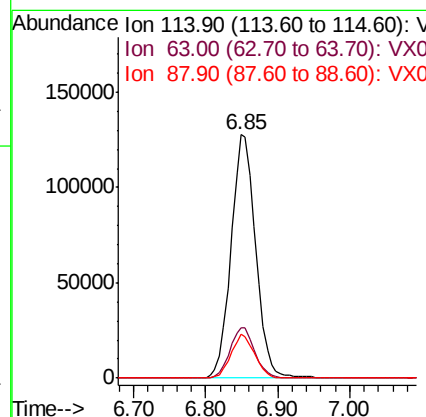
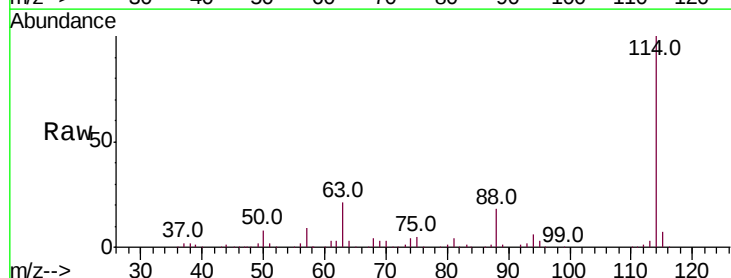
Instrument :
 MSVOA_X
 ClientSampled :

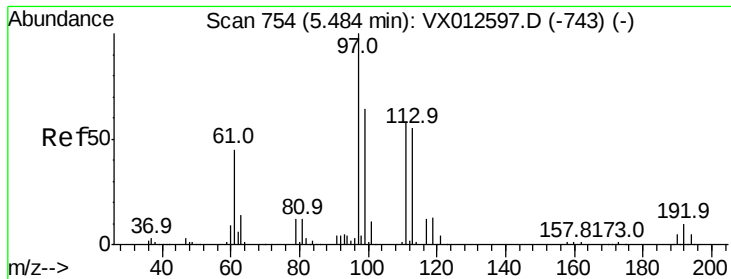
Tot Ion: 65 Resp: 119317
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012863.D
 Acq: 08 Oct 2019 02:06

Tgt Ion: 114 Resp: 303708
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 18.3 0.0 33.2

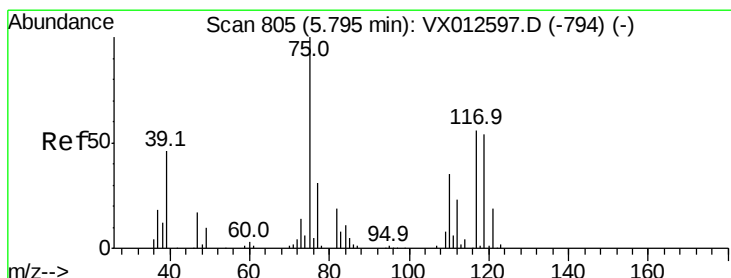
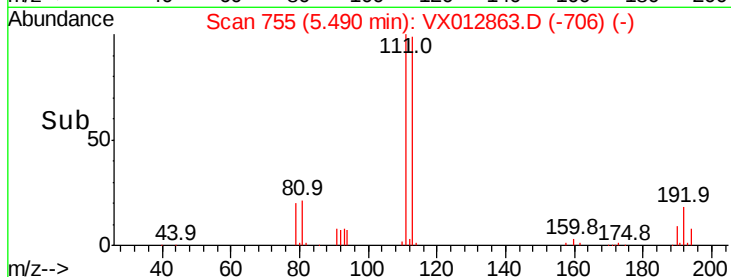
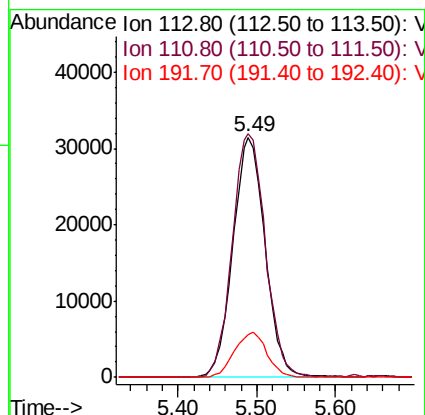
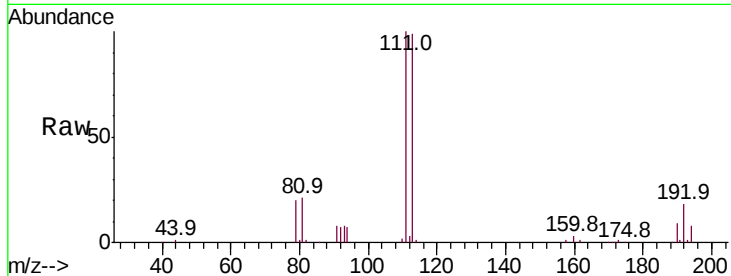




#35
 Dibromofluoromethane
 Concen: 49.508 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012863.D
 Acq: 08 Oct 2019 02:06

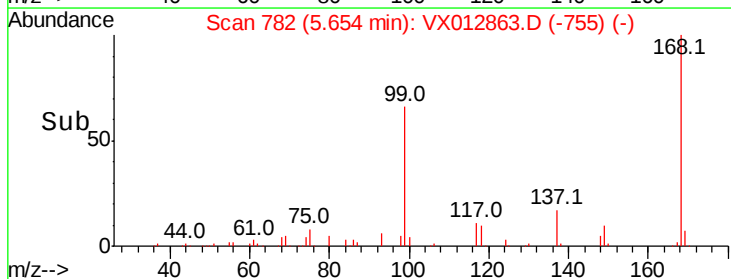
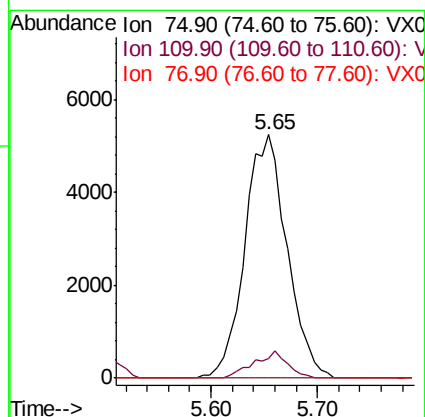
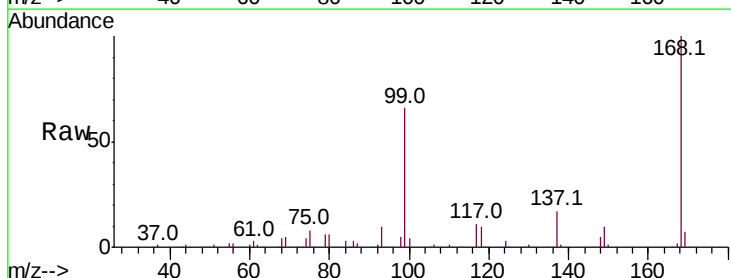
Instrument :
 MSVOA_X
 ClientSampleId :

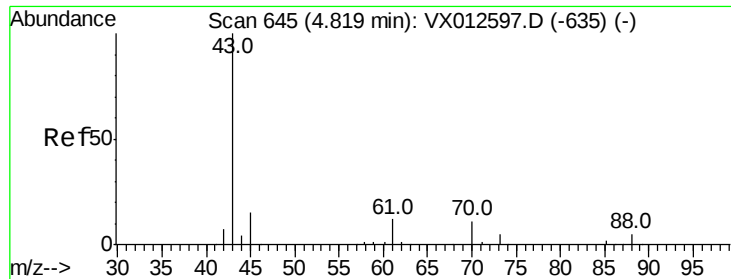
Tot Ion:113 Resp: 89545
 Ion Ratio Lower Upper
 113 100
 111 104.2 83.4 125.2
 192 18.9 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.966 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012863.D
 Acq: 08 Oct 2019 02:06

Tgt Ion: 75 Resp: 14539
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.7 50.0#
 77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.436 ug/l

RT: 4.83 min Scan# 647

Delta R.T. 0.01 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

Instrument :

MSVOA_X

ClientSampleId :

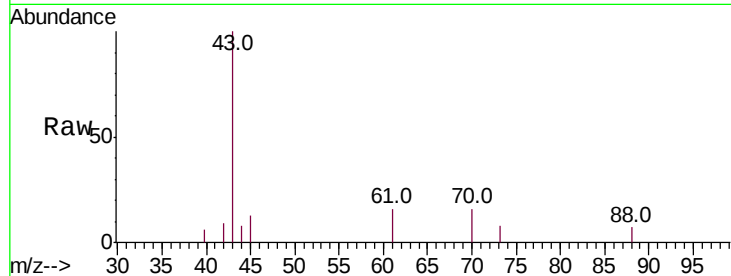
Tot Ion: 43 Resp: 8338

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

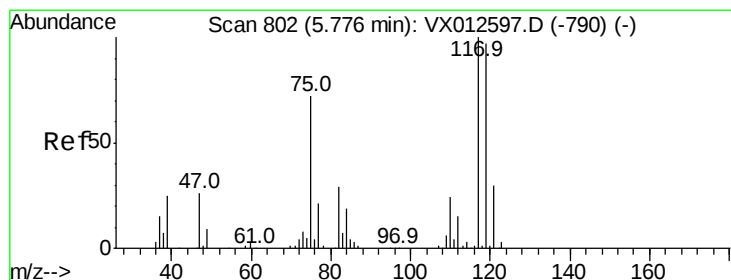
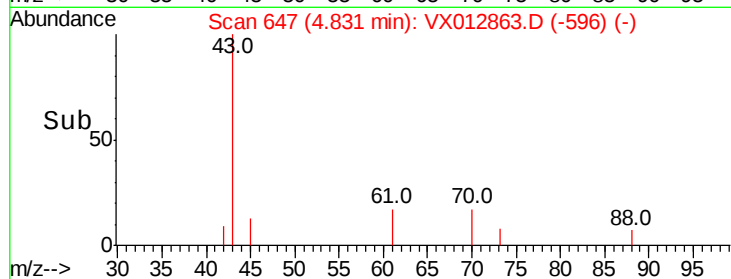
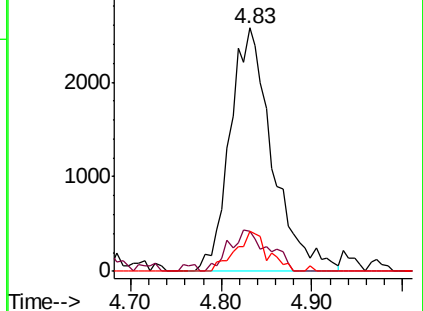
70 12.5 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX012597.D (-635) (-)

Ion 60.90 (60.60 to 61.60): VX012597.D (-635) (-)

Ion 70.00 (69.70 to 70.70): VX012597.D (-635) (-)



#38

Carbon Tetrachloride

Concen: 6.322 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

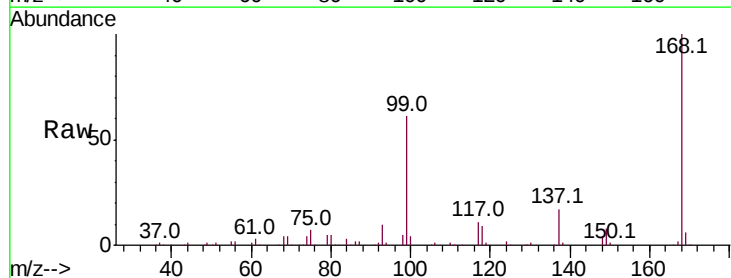
Tgt Ion: 117 Resp: 18799

Ion Ratio Lower Upper

117 100

119 5.5 75.7 113.5#

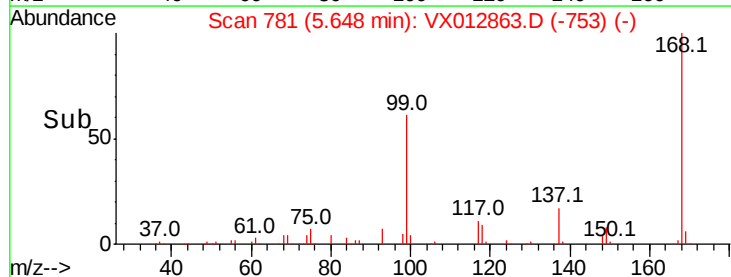
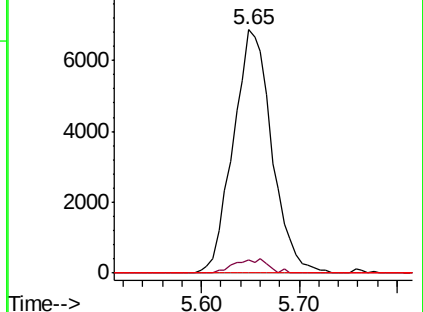
121 0.0 24.2 36.4#

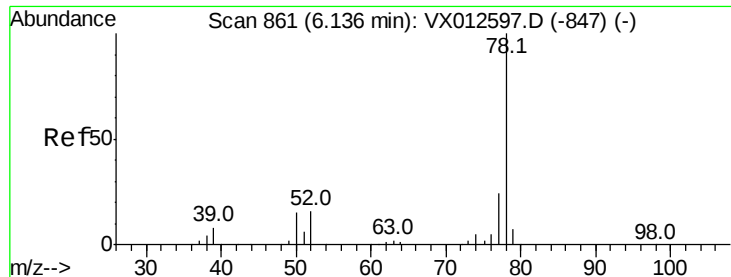


Abundance Ion 116.80 (116.50 to 117.50): VX012597.D (-790) (-)

Ion 118.80 (118.50 to 119.50): VX012597.D (-790) (-)

Ion 120.80 (120.50 to 121.50): VX012597.D (-790) (-)





#40

Benzene

Concen: 0.311 ug/l

RT: 6.14 min Scan# 862

Delta R.T. 0.01 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

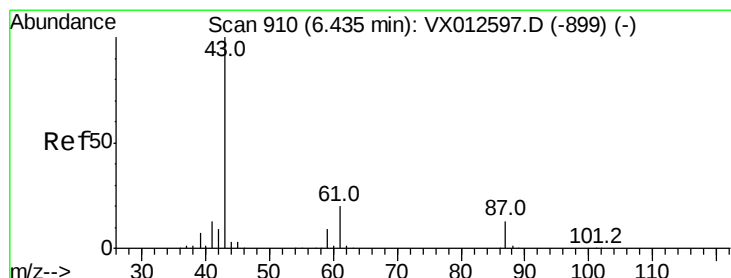
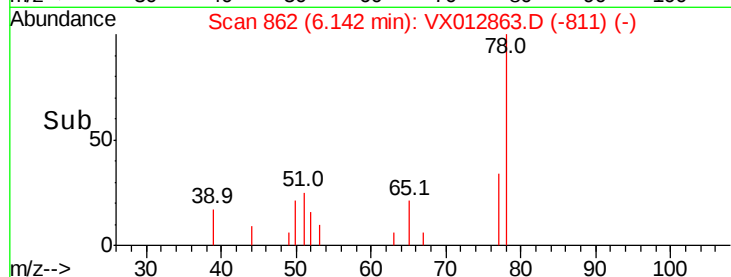
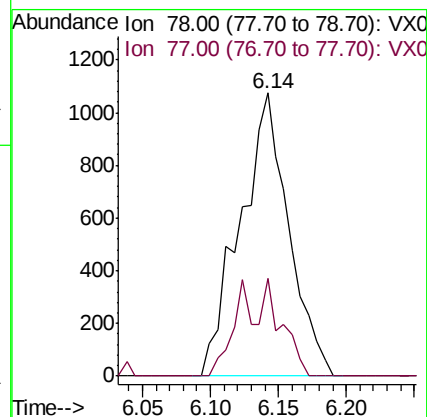
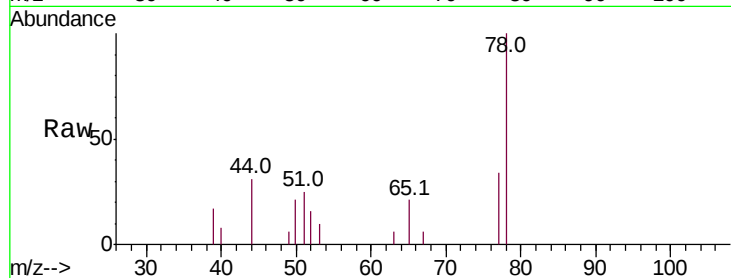
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 78 Resp: 2675

Ion Ratio Lower Upper

78 100

77 34.4 19.2 28.8#



#43

Isopropyl Acetate

Concen: 2.753 ug/l

RT: 6.34 min Scan# 895

Delta R.T. -0.09 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

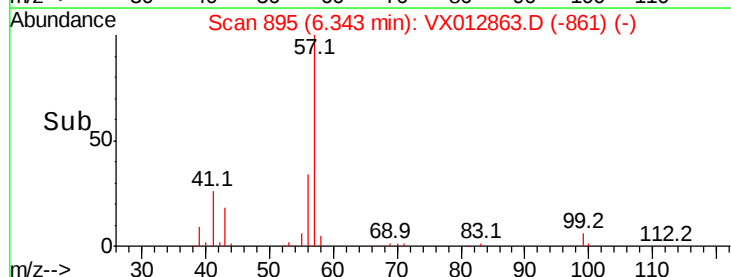
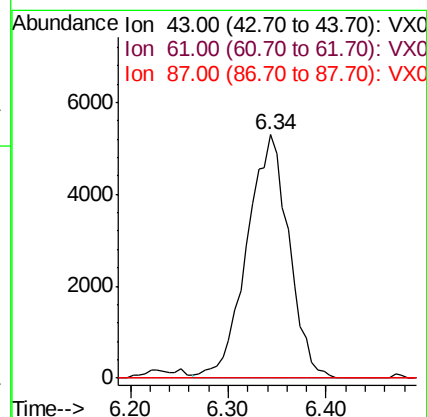
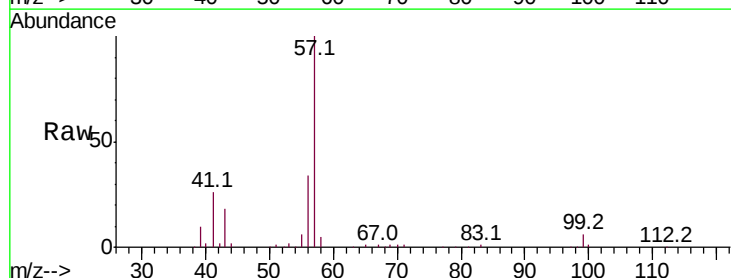
Tgt Ion: 43 Resp: 15755

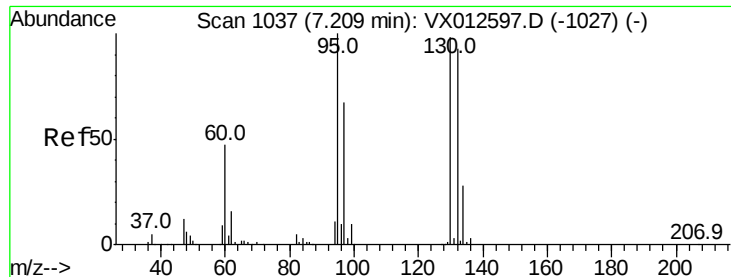
Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

87 0.0 9.8 14.8#





#44

Trichloroethene

Concen: 0.397 ug/l

RT: 7.21 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

Instrument :

MSVOA_X

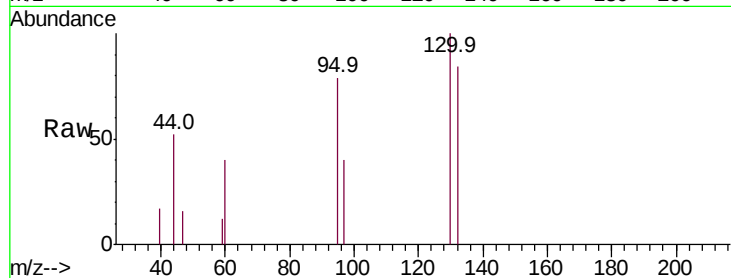
ClientSampled :

Tot Ion:130 Resp: 874

Ion Ratio Lower Upper

130 100

95 78.9 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

600

500

400

300

200

100

0

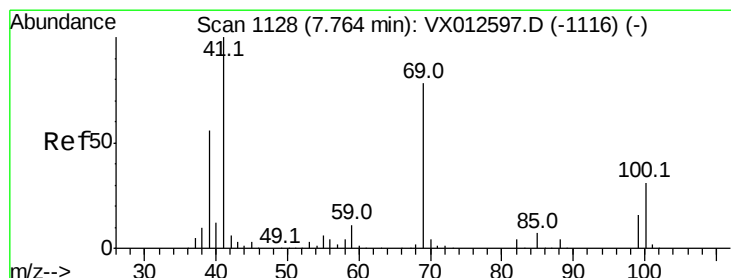
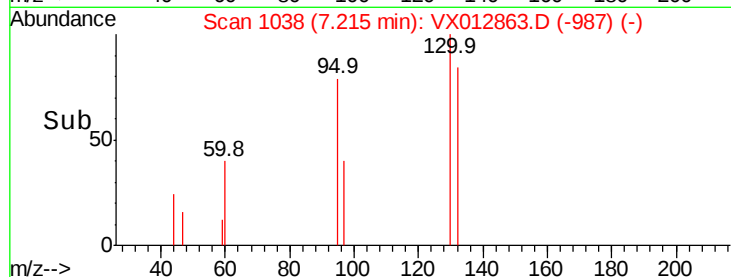
7.21

7.15

7.20

7.25

Time-->



#48

Methyl methacrylate

Concen: 1.120 ug/l

RT: 7.67 min Scan# 1113

Delta R.T. -0.09 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

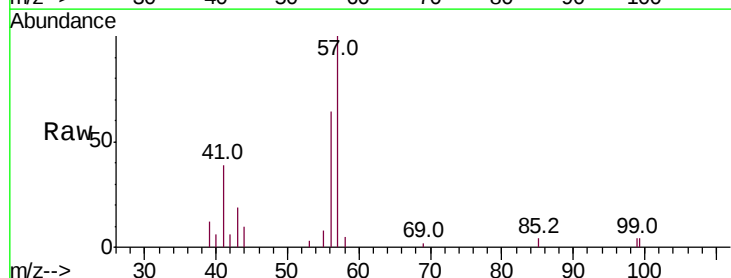
Tgt Ion: 41 Resp: 3074

Ion Ratio Lower Upper

41 100

69 2.5 59.9 89.9#

39 29.7 47.8 71.6#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

1500

1000

500

0

7.67

7.55

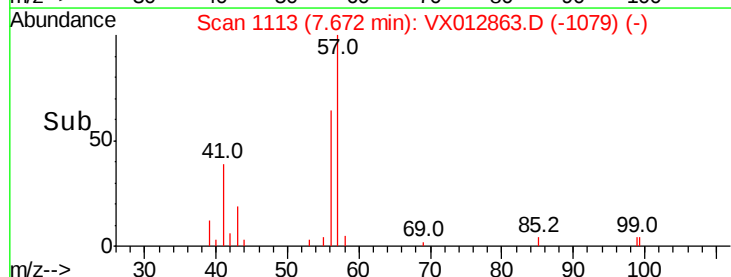
7.60

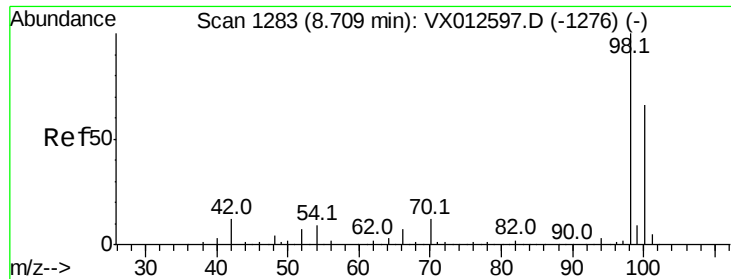
7.65

7.70

7.75

Time-->





#50

Toluene-d8

Concen: 51.731 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

Instrument :

MSVOA_X

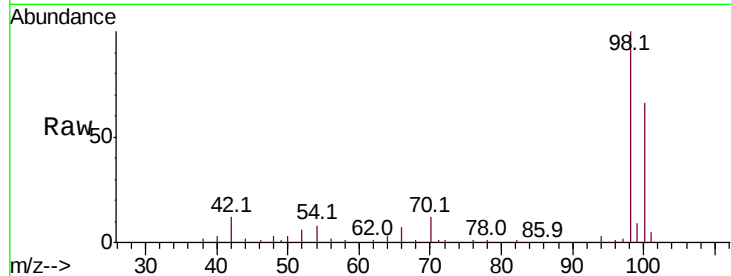
ClientSampleId :

Tot Ion: 98 Resp: 360333

Ion Ratio Lower Upper

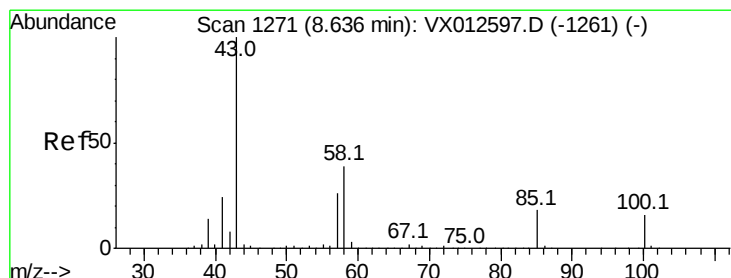
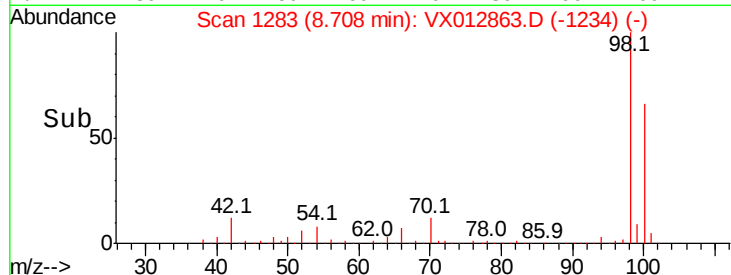
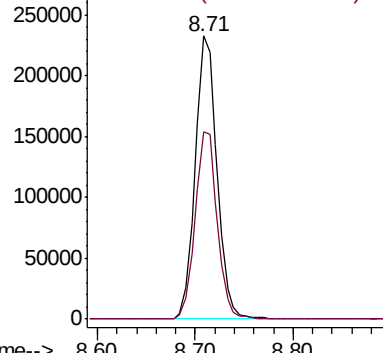
98 100

100 67.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.588 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012863.D

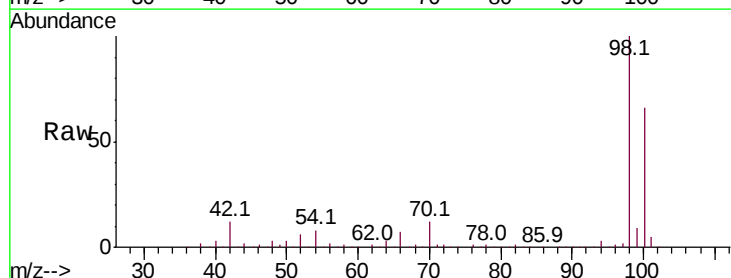
Acq: 08 Oct 2019 02:06

Tgt Ion: 43 Resp: 2079

Ion Ratio Lower Upper

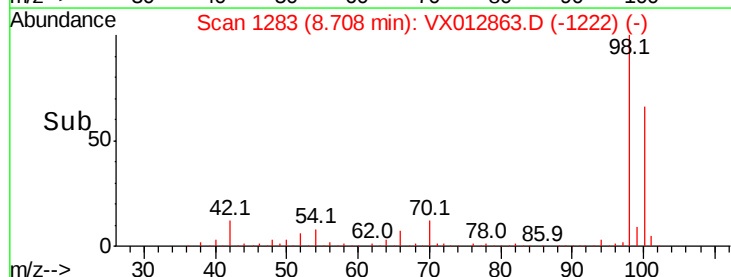
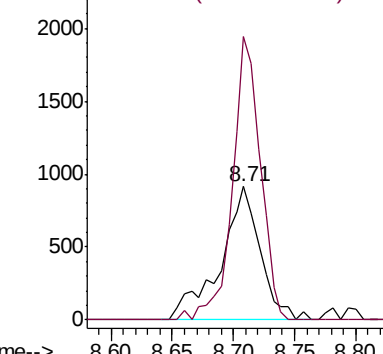
43 100

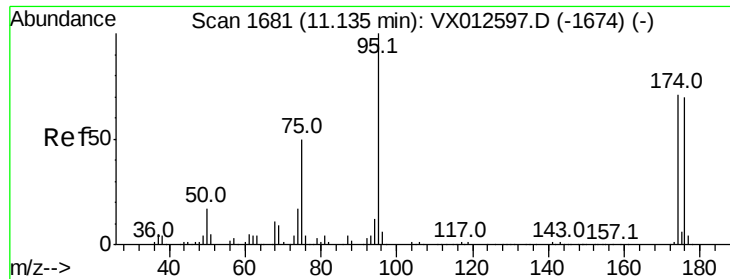
58 149.0 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.181 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

Instrument :

MSVOA_X

ClientSampleId :

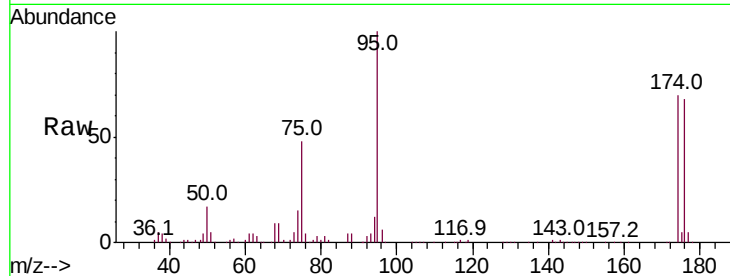
Tot Ion: 95 Resp: 126482

Ion Ratio Lower Upper

95 100

174 69.2 0.0 140.0

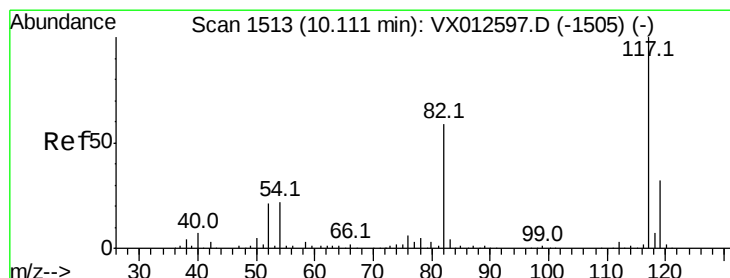
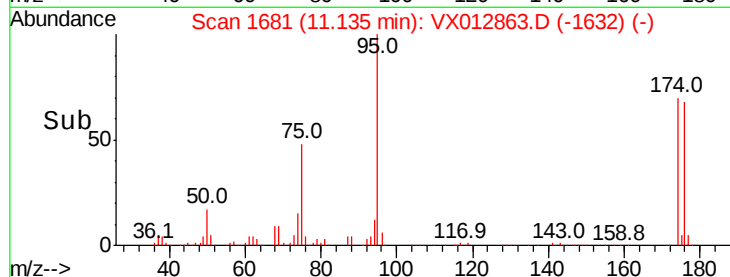
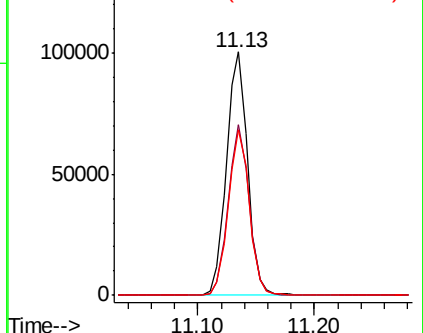
176 67.9 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012597.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012597.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012597.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

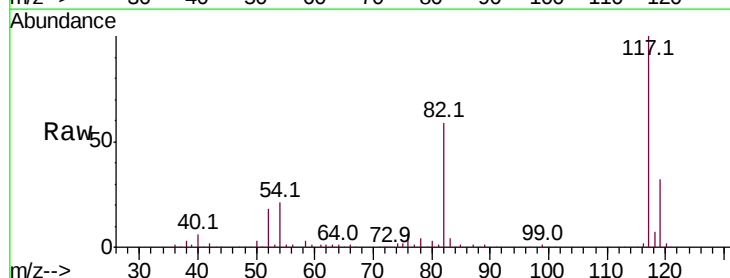
Tgt Ion: 117 Resp: 261941

Ion Ratio Lower Upper

117 100

82 58.7 45.9 68.9

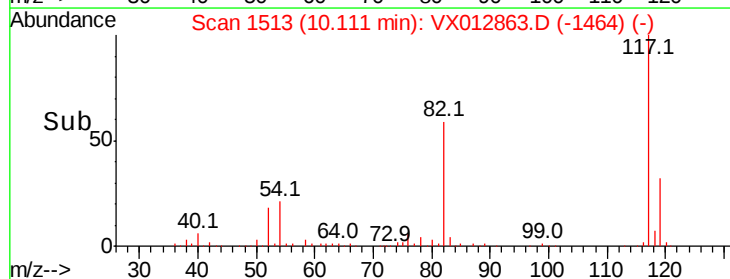
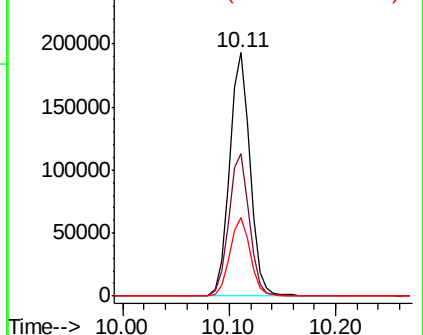
119 32.0 25.3 37.9

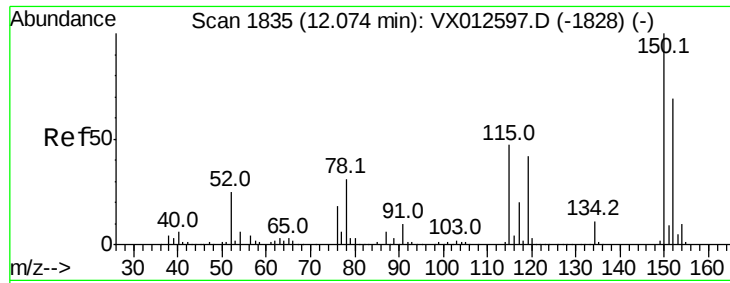


Abundance Ion 116.90 (116.60 to 117.60): VX012597.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012597.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012597.D (-1505) (-)



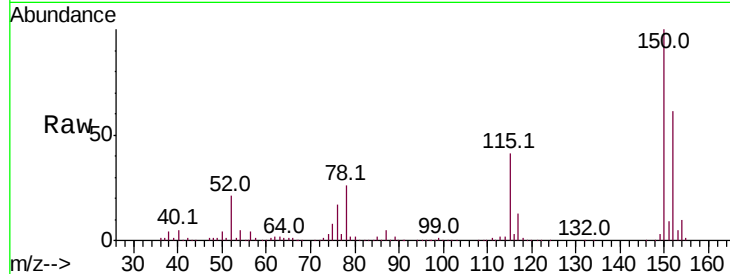


#72

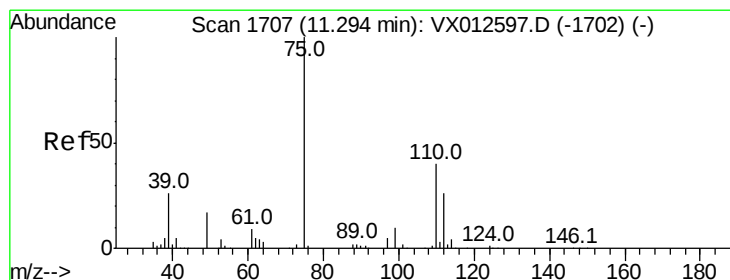
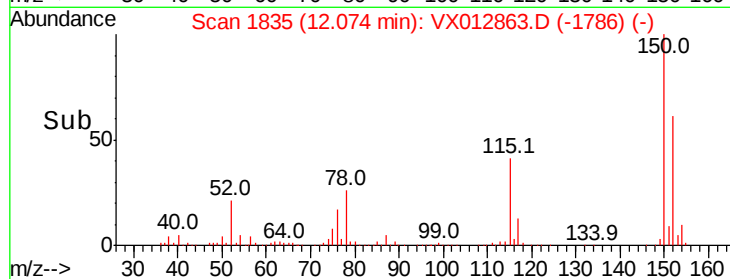
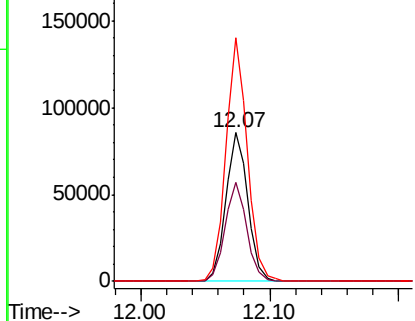
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012863.D
Acq: 08 Oct 2019 02:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	65.5	44.1	132.3
150	159.2	0.0	343.8



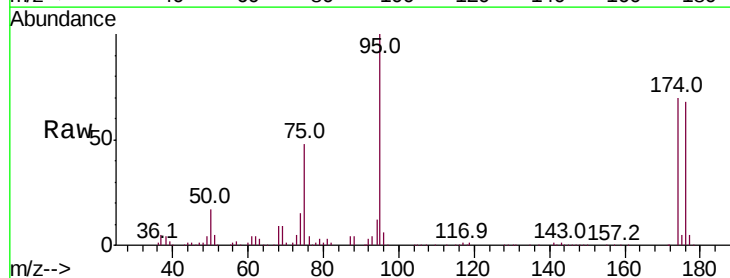
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



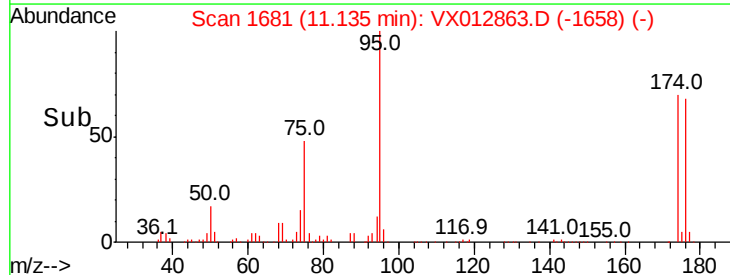
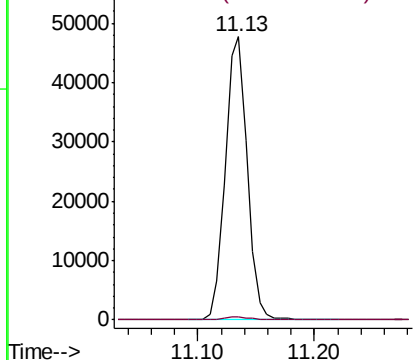
#76

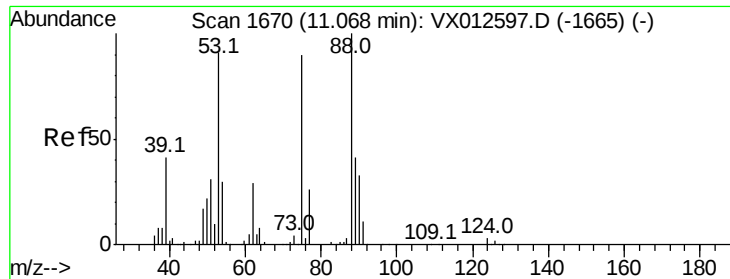
1,2,3-Trichloropropane
Concen: 22.771 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX012863.D
Acq: 08 Oct 2019 02:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.7	59.0#



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: 65.256 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012863.D

Acq: 08 Oct 2019 02:06

Instrument :

MSVOA_X

ClientSampleId :

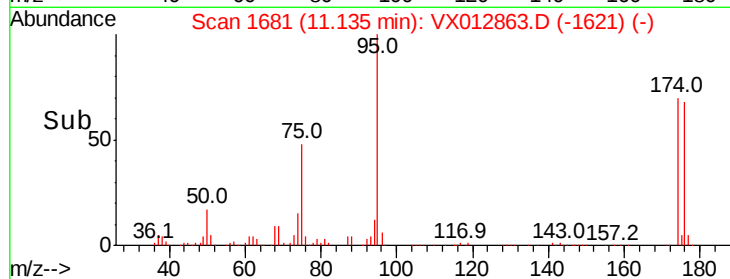
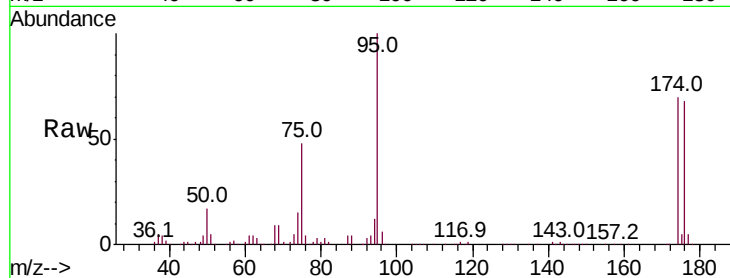
Tot Ion: 75 Resp: 62124

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

