

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012898.D
 Acq On : 08 Oct 2019 18:37
 Operator : JC/SP
 Sample : K5122-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 09 02:11:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	180113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	305851	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99434	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	116243	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	5.49	113	89946	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
50) Toluene-d8	8.71	98	358064	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	11.13	95	122112	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	

Target Compounds

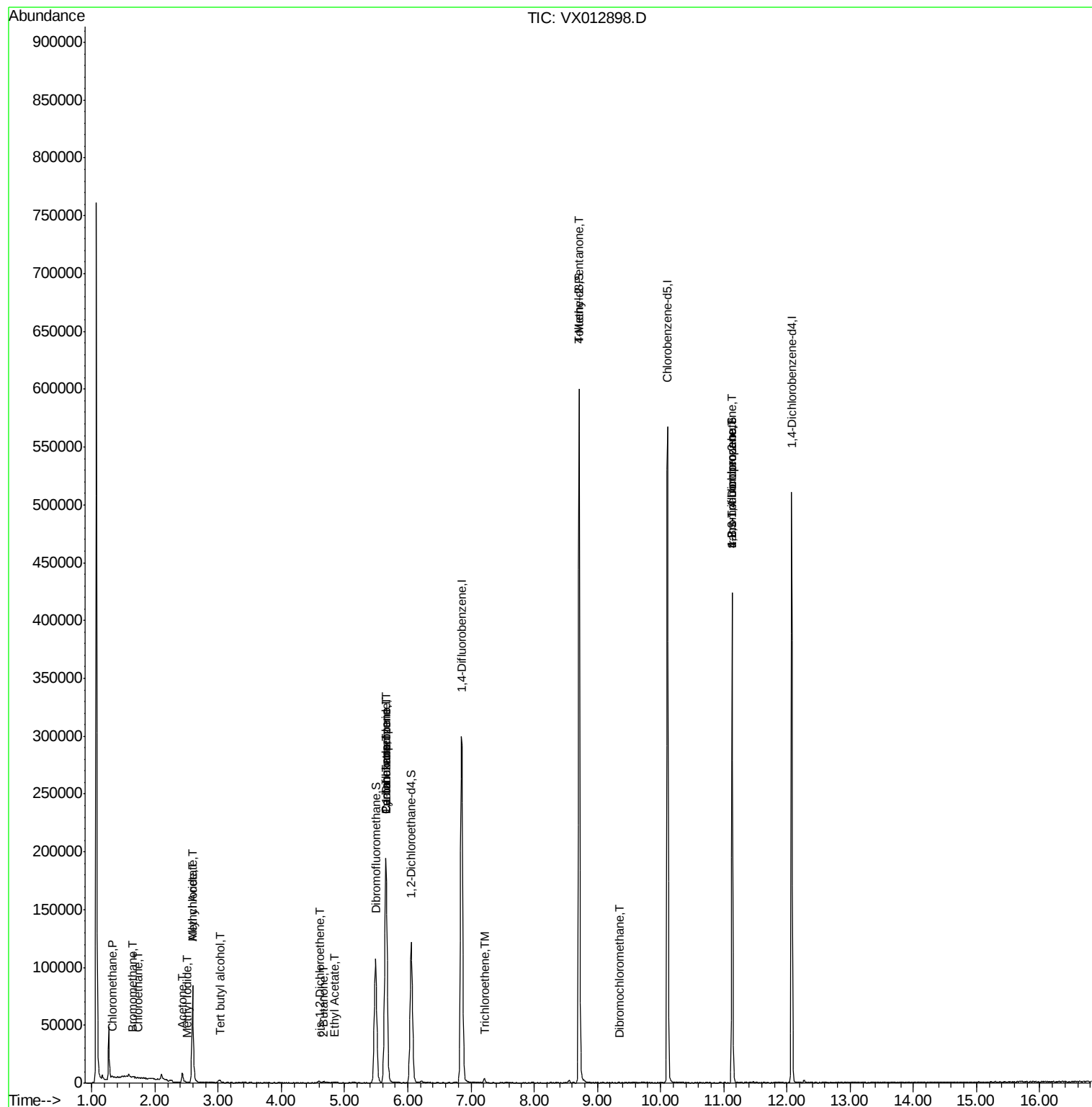
						Qvalue
3) Chloromethane	1.32	50	598	0.299	ug/l #	49
5) Bromomethane	1.64	94	382	0.446	ug/l	86
6) Chloroethane	1.73	64	640	0.872	ug/l	95
10) Methyl Iodide	2.50	142	129	5.138	ug/l #	61
11) Tert butyl alcohol	3.03	59	2782	4.662	ug/l #	93
14) Allyl chloride	2.59	41	7721	2.382	ug/l #	61
16) Acetone	2.43	43	8022	6.761	ug/l	99
18) Methyl Acetate	2.59	43	21280	7.566	ug/l #	51
25) 2-Butanone	4.66	43	416	0.253	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	696	0.310	ug/l	74
31) Cyclohexane	5.66	56	3729	1.141	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14675	5.457	ug/l #	50
37) Ethyl Acetate	4.84	43	1581	0.526	ug/l #	85
38) Carbon Tetrachloride	5.65	117	18707	7.147	ug/l #	18
44) Trichloroethene	7.21	130	1650	0.749	ug/l	60
51) 4-Methyl-2-Pentanone	8.71	43	1659	0.551	ug/l #	1
60) Dibromochloromethane	9.35	129	22	1.866	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	60401	27.387	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	60401	68.757	ug/l #	10

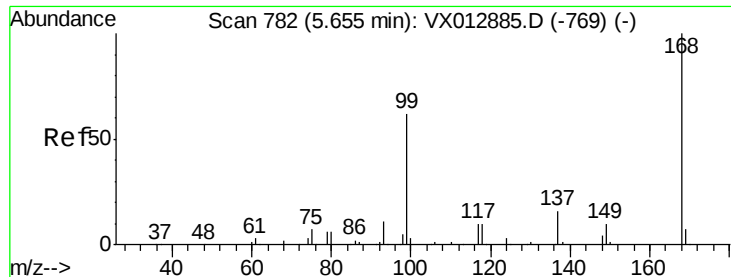
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012898.D

Acq: 08 Oct 2019 18:37

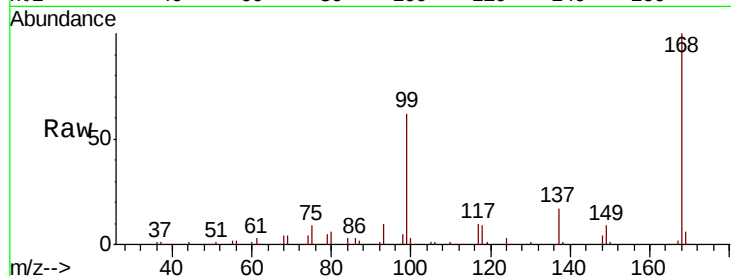
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 180113

Ion Ratio Lower Upper

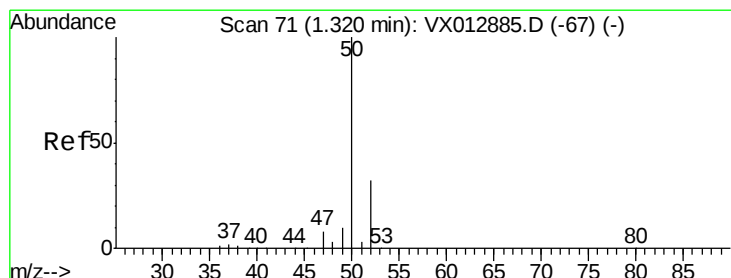
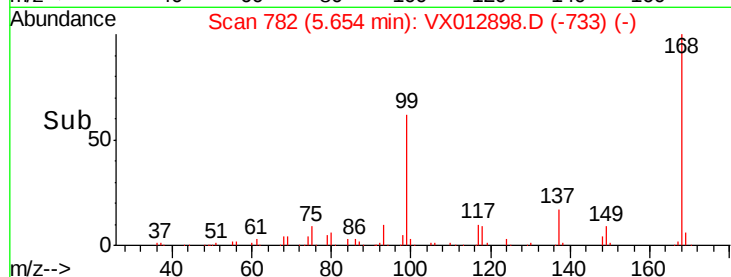
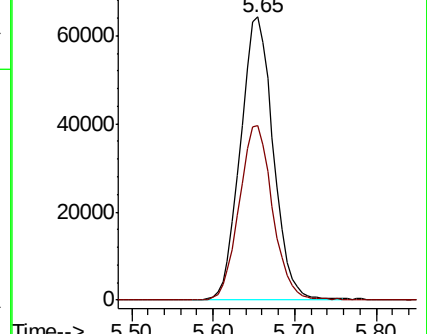
168 100

99 61.7 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.299 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012898.D

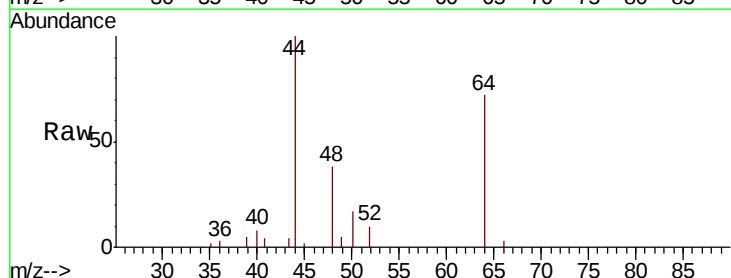
Acq: 08 Oct 2019 18:37

Tgt Ion: 50 Resp: 598

Ion Ratio Lower Upper

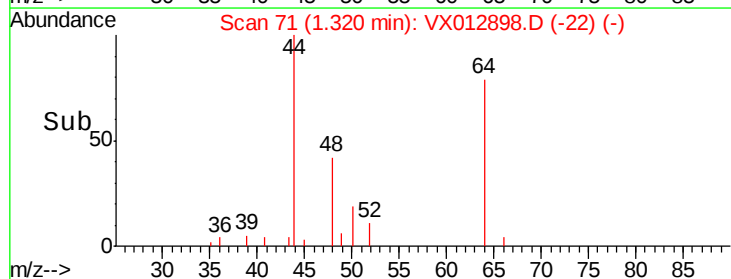
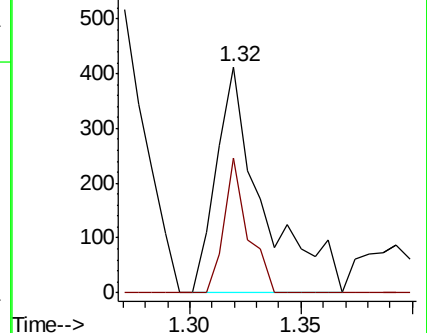
50 100

52 60.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.446 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012898.D

Acq: 08 Oct 2019 18:37

Instrument :

MSVOA_X

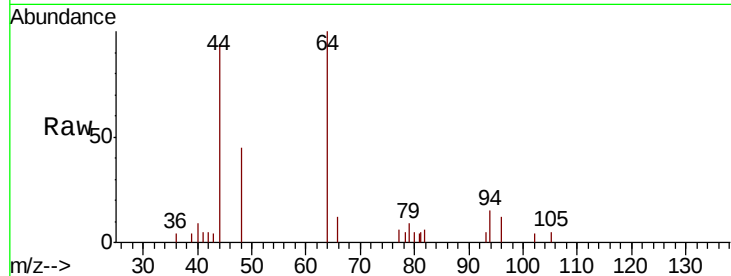
ClientSampled :

Tot Ion: 94 Resp: 382

Ion Ratio Lower Upper

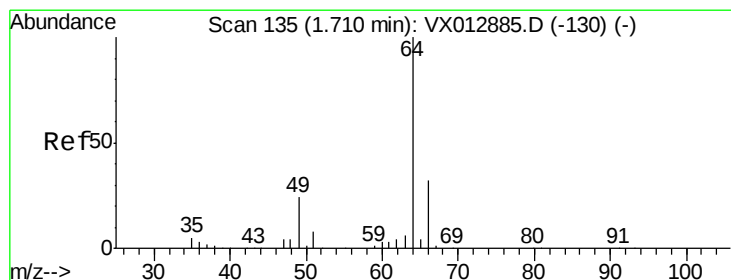
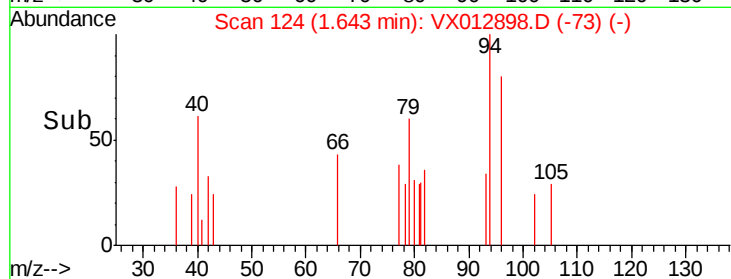
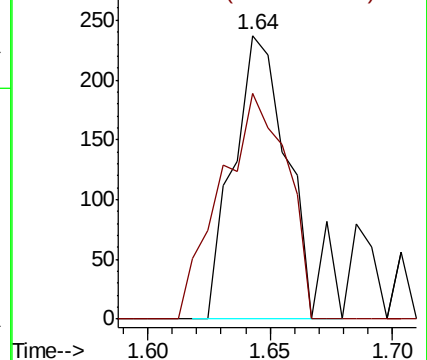
94 100

96 79.7 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.872 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX012898.D

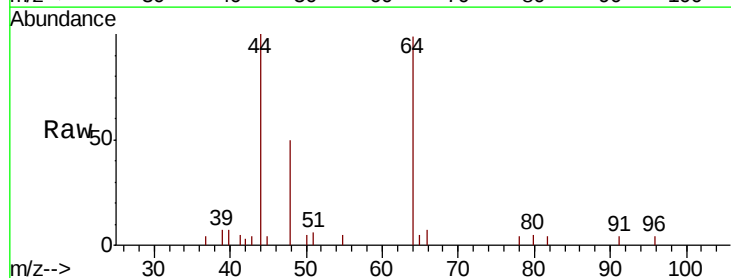
Acq: 08 Oct 2019 18:37

Tgt Ion: 64 Resp: 640

Ion Ratio Lower Upper

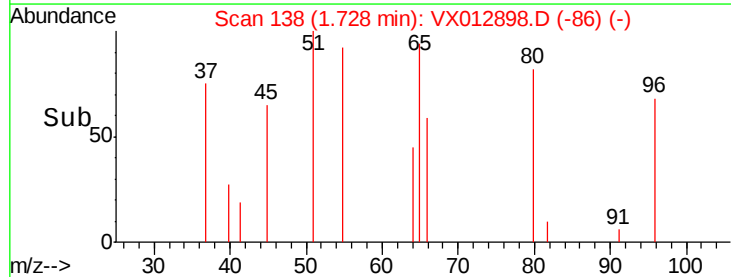
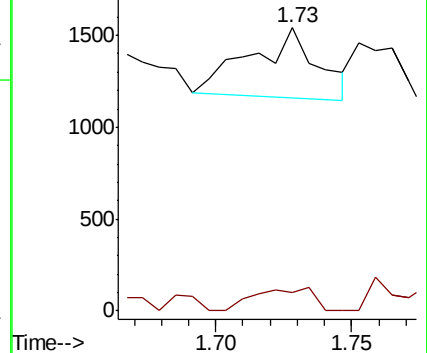
64 100

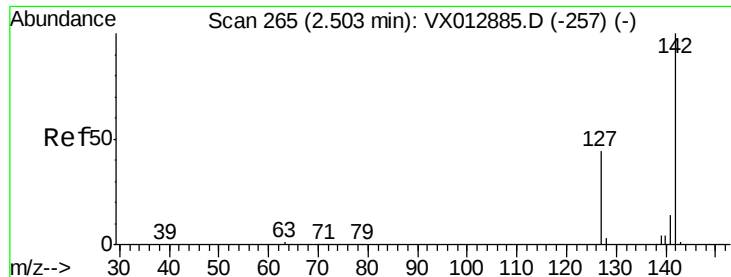
66 29.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

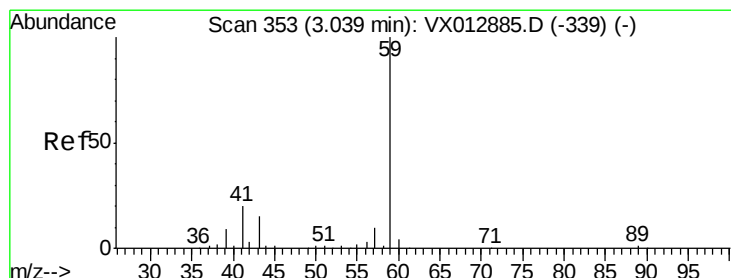
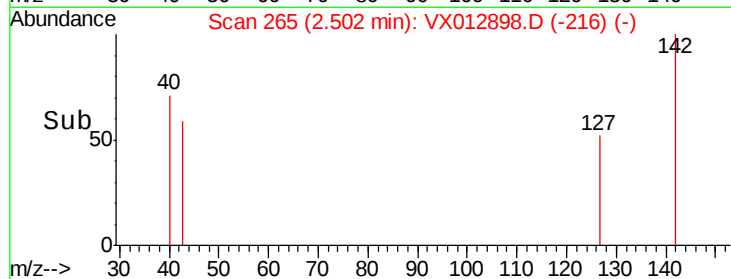
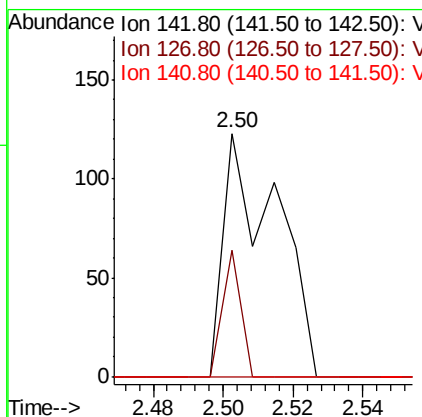
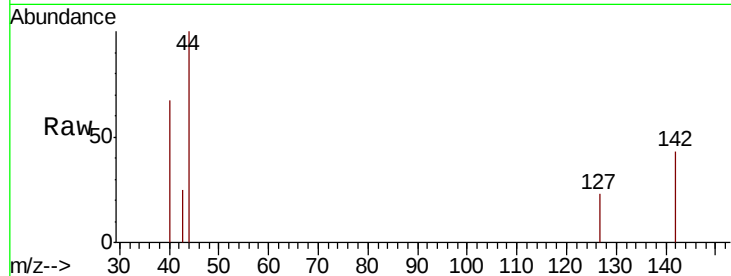




#10
Methvl Iodide
Concen: 5.138 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX012898.D
Acq: 08 Oct 2019 18:37

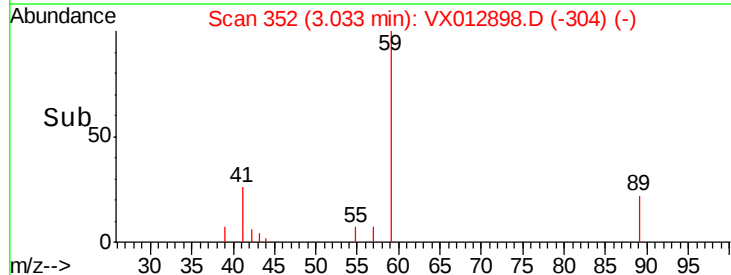
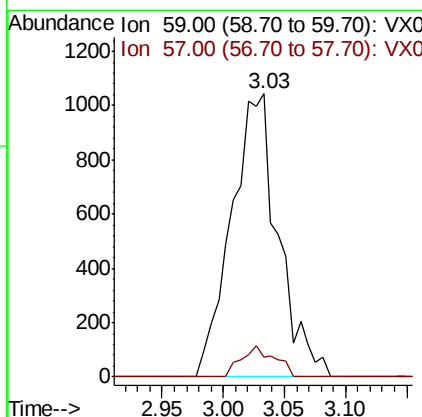
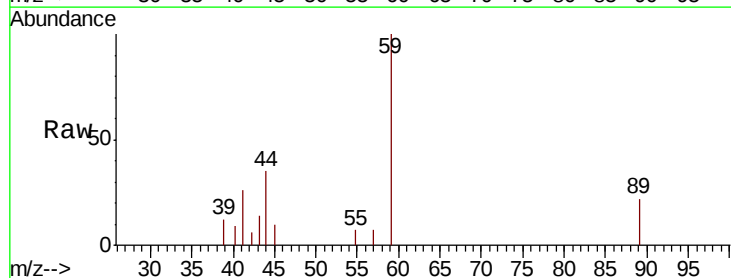
Instrument :
MSVOA_X
ClientSampleId :

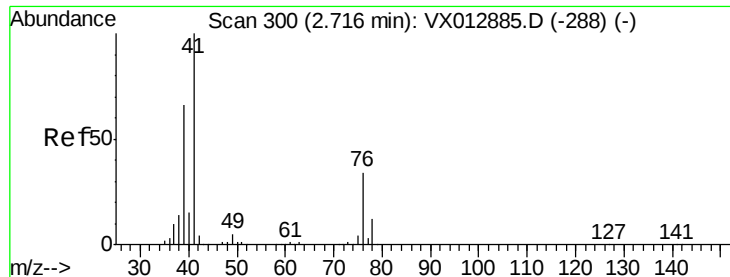
Tot Ion	Ratio	Lower	Upper
142	100		
127	17.8	34.9	52.3#
141	0.0	11.6	17.4#



#11
Tert butyl alcohol
Concen: 4.662 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012898.D
Acq: 08 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.7	8.3	12.5#





#14

Allv1 chloride

Concen: 2.382 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012898.D

Acq: 08 Oct 2019 18:37

Instrument :

MSVOA_X

ClientSampled :

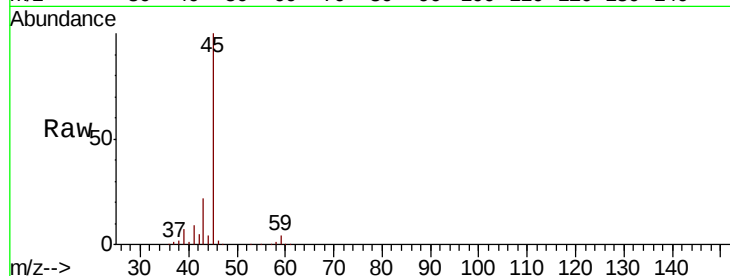
Tot Ion: 41 Resp: 7721

Ion Ratio Lower Upper

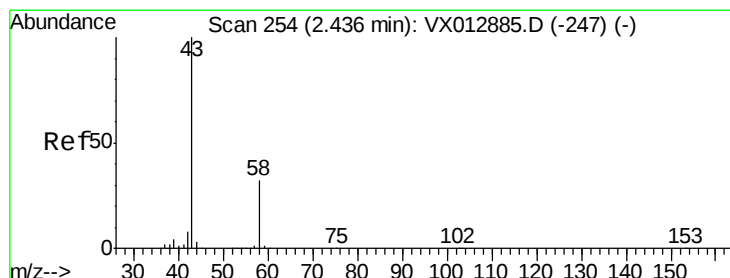
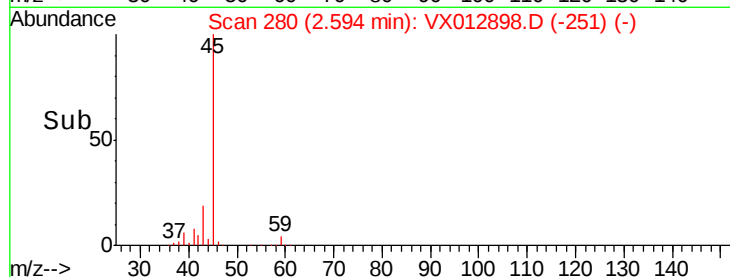
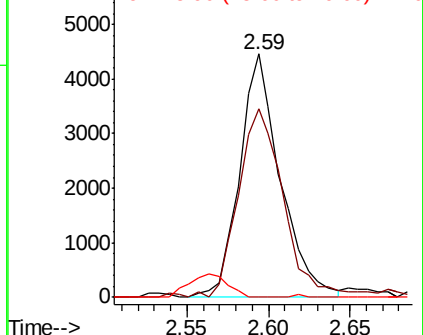
41 100

39 86.0 51.0 76.6#

76 0.0 26.2 39.4#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 6.761 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012898.D

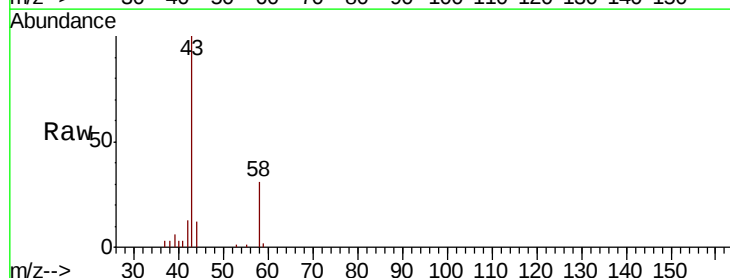
Acq: 08 Oct 2019 18:37

Tgt Ion: 43 Resp: 8022

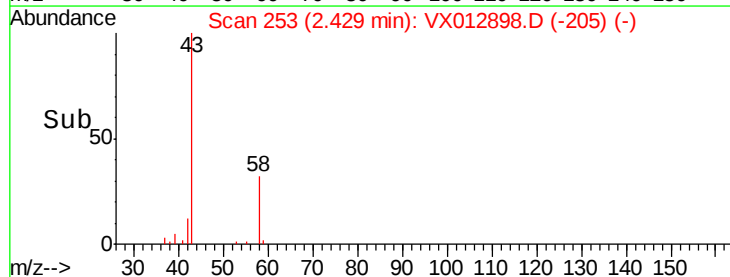
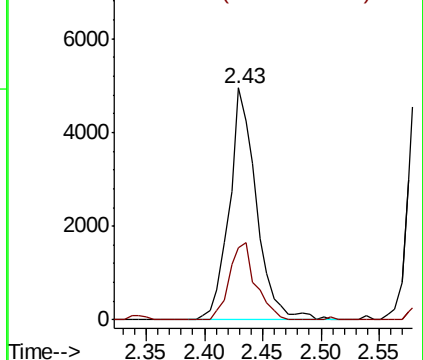
Ion Ratio Lower Upper

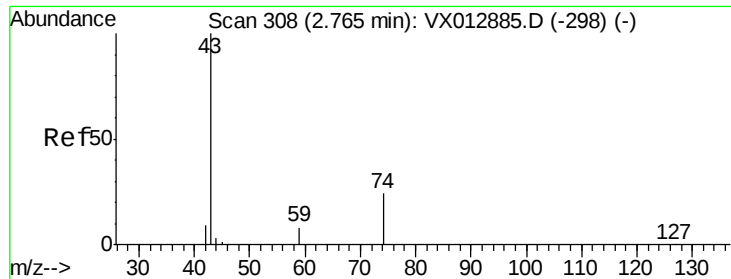
43 100

58 31.0 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

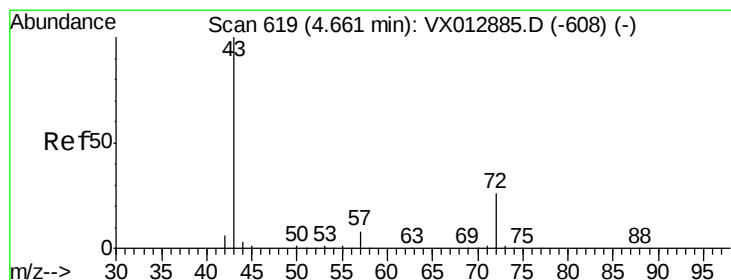
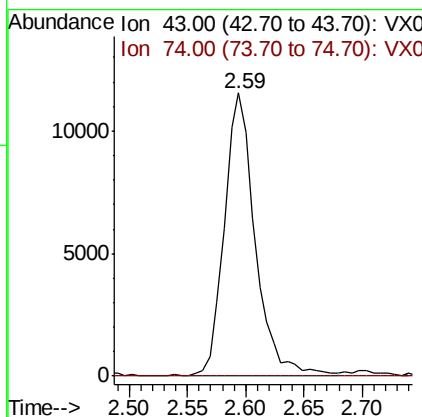
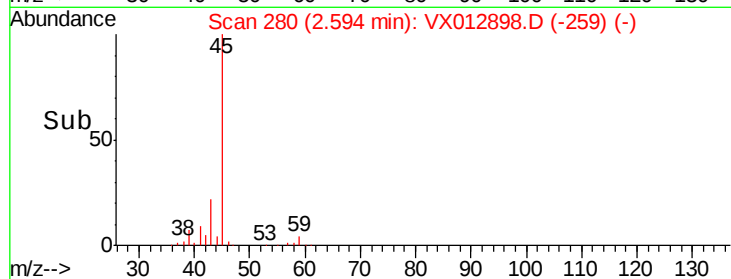
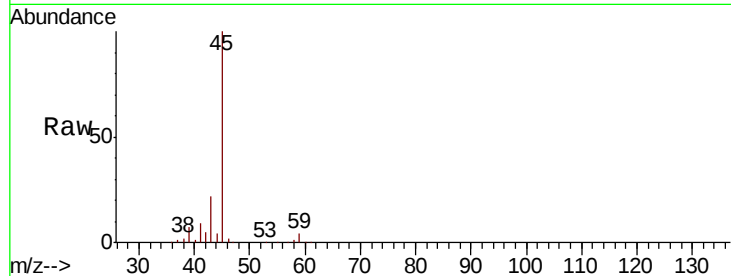




#18
Methvl Acetate
Concen: 7.566 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012898.D
Acq: 08 Oct 2019 18:37

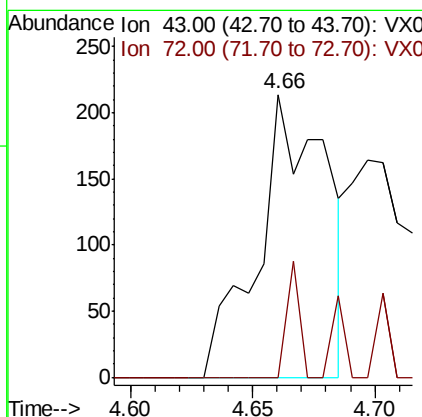
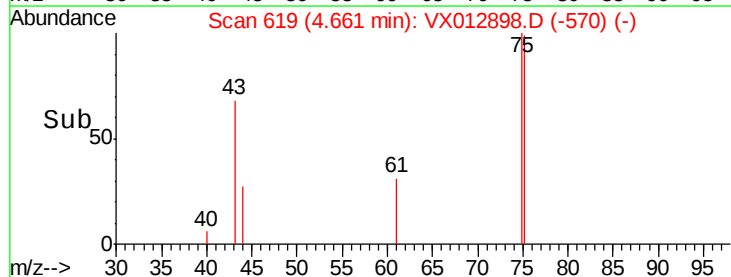
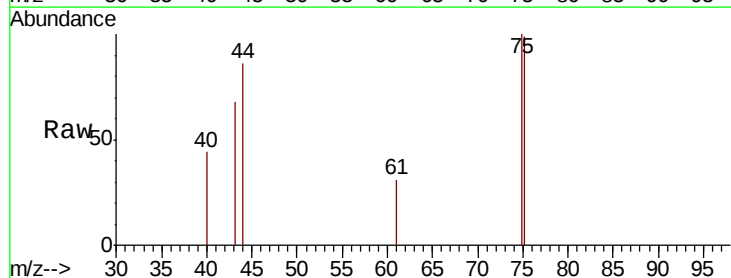
Instrument :
MSVOA_X
ClientSampleId :

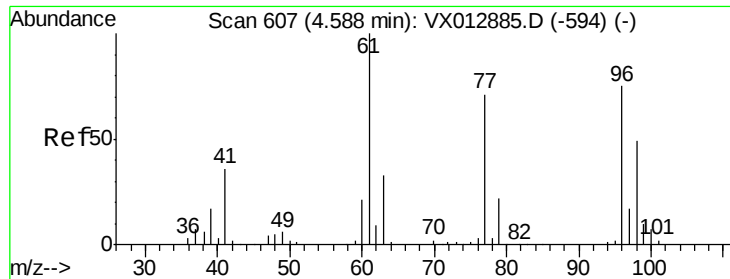
Tot Ion: 43 Resp: 21280
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#25
2-Butanone
Concen: 0.253 ug/l
RT: 4.66 min Scan# 619
Delta R.T. -0.00 min
Lab File: VX012898.D
Acq: 08 Oct 2019 18:37

Tgt Ion: 43 Resp: 416
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



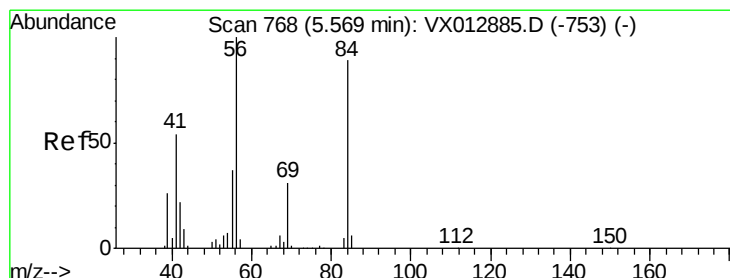
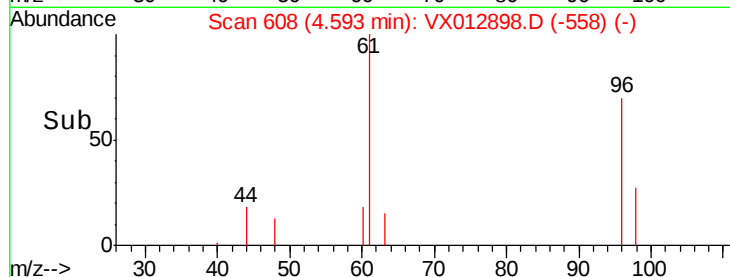
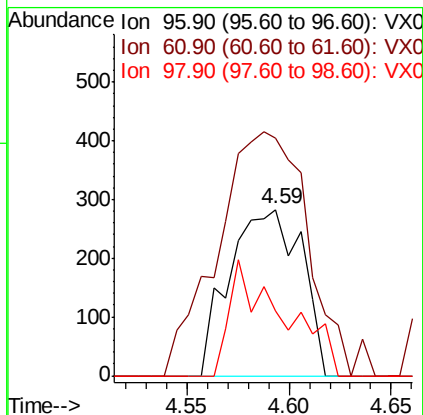
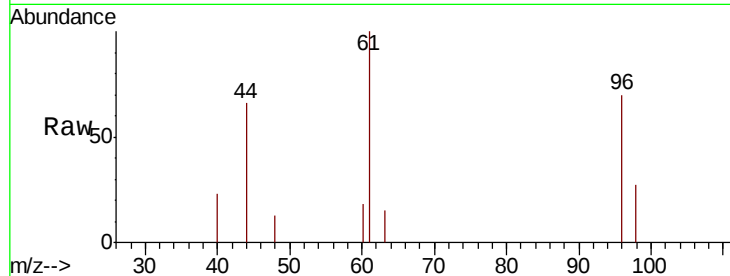


#27

cis-1,2-Dichloroethene
 Concen: 0.310 ug/l
 RT: 4.59 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX012898.D
 Acq: 08 Oct 2019 18:37

Instrument :
 MSVOA_X
 ClientSampled :

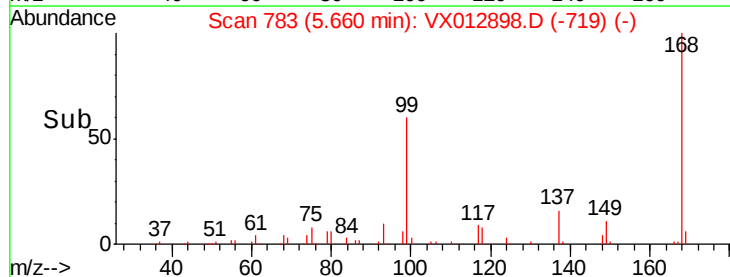
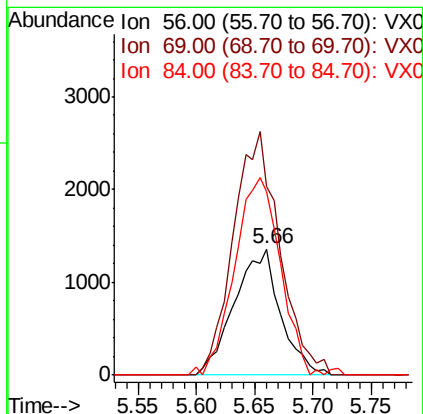
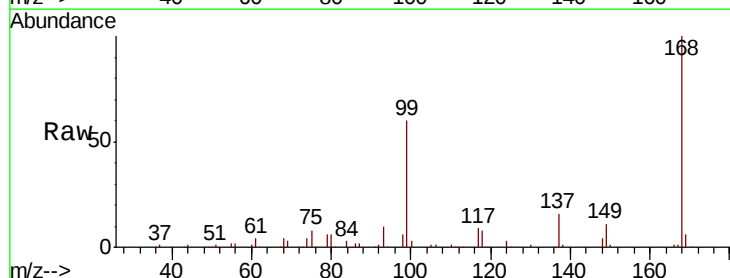
Tot Ion: 96 Resp: 696
 Ion Ratio Lower Upper
 96 100
 61 184.2 0.0 290.6
 98 52.2 0.0 128.8

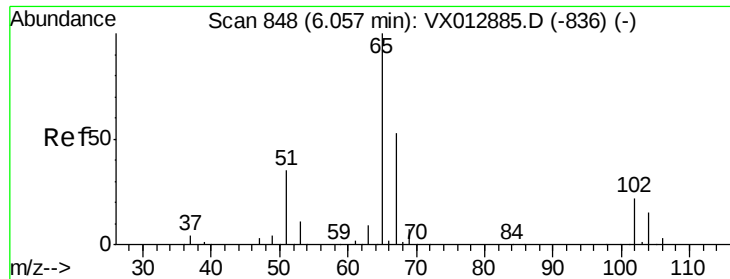


#31

Cyclohexane
 Concen: 1.141 ug/l
 RT: 5.66 min Scan# 783
 Delta R.T. 0.09 min
 Lab File: VX012898.D
 Acq: 08 Oct 2019 18:37

Tgt Ion: 56 Resp: 3729
 Ion Ratio Lower Upper
 56 100
 69 149.4 25.2 37.8#
 84 145.2 71.3 106.9#

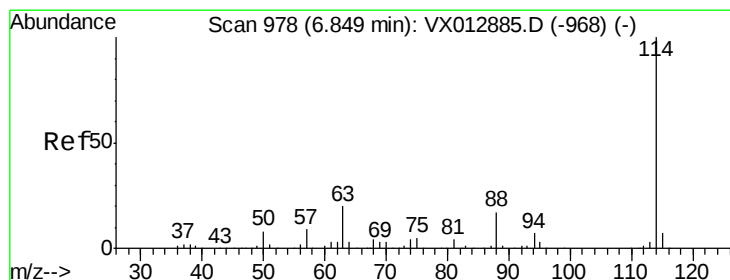
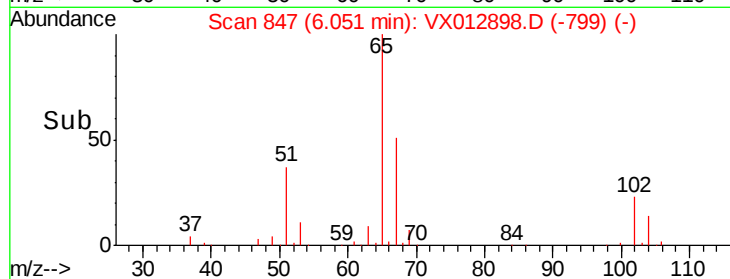
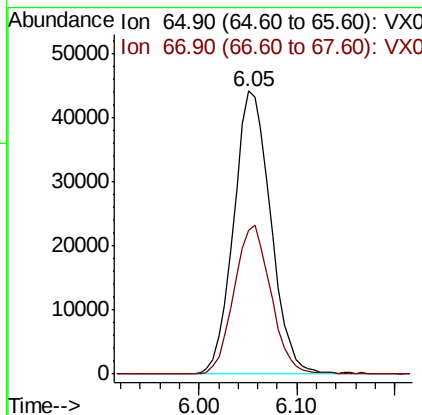
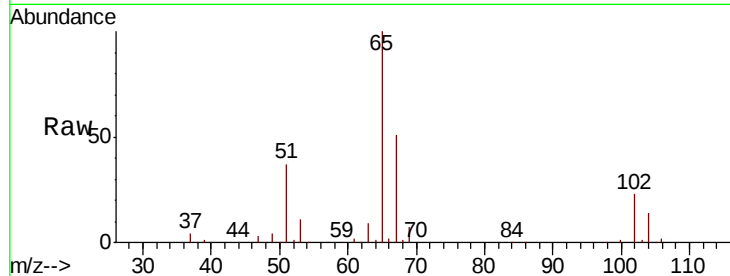




#33
 1,2-Dichloroethane-d4
 Concen: 51.636 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012898.D
 Acq: 08 Oct 2019 18:37

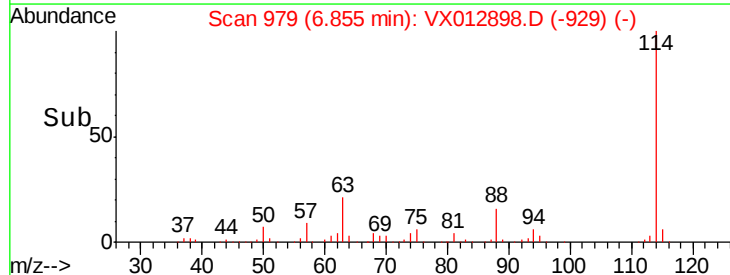
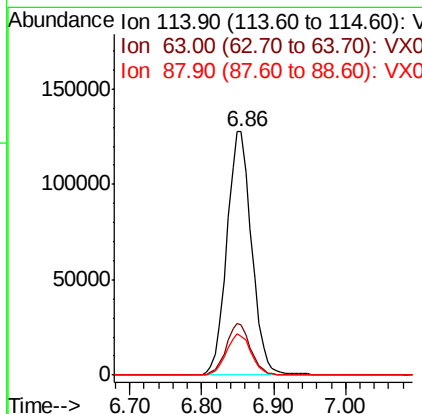
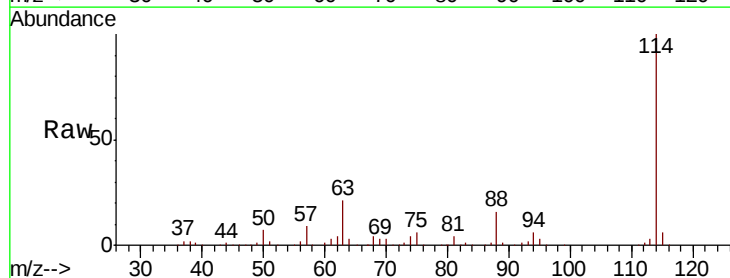
Instrument :
 MSVOA_X
 ClientSampleId :

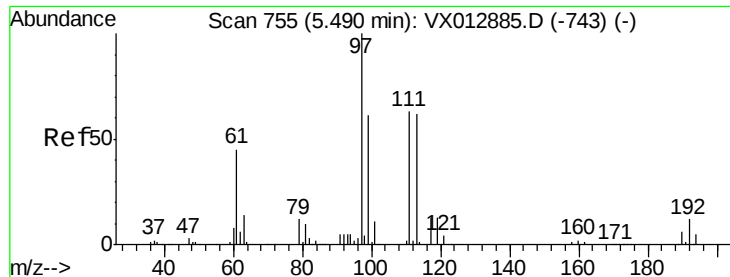
Tot Ion: 65 Resp: 116243
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012898.D
 Acq: 08 Oct 2019 18:37

Tgt Ion: 114 Resp: 305851
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 15.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.239 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012898.D

Acq: 08 Oct 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

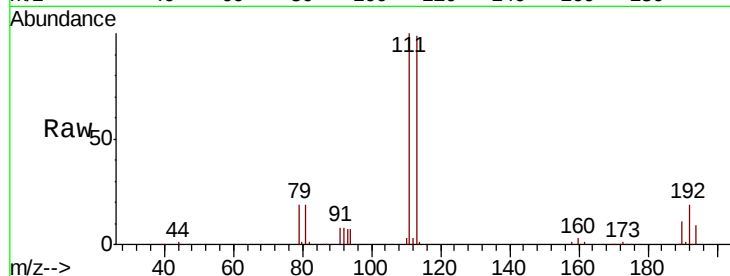
Tot Ion:113 Resp: 89946

Ion Ratio Lower Upper

113 100

111 102.8 83.2 124.8

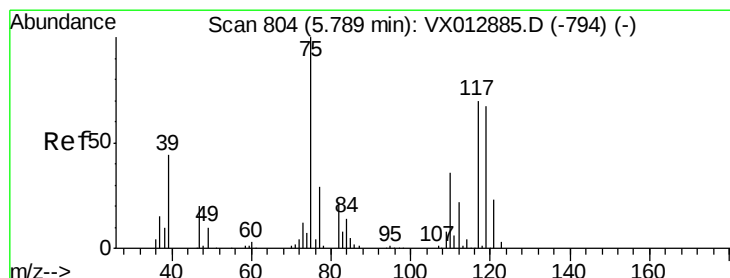
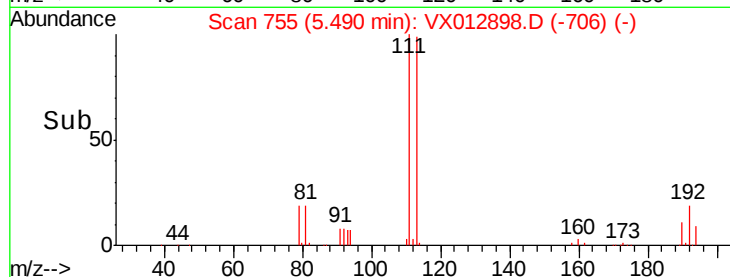
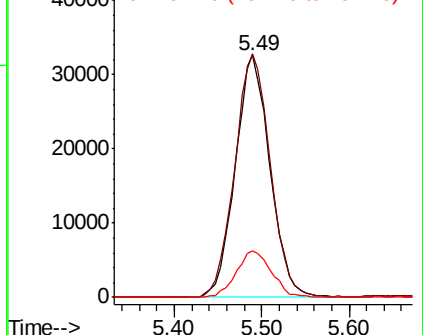
192 19.3 15.4 23.2



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: 5.457 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012898.D

Acq: 08 Oct 2019 18:37

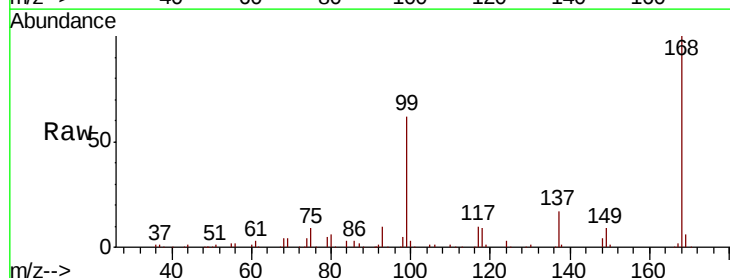
Tgt Ion: 75 Resp: 14675

Ion Ratio Lower Upper

75 100

110 9.3 17.6 52.9#

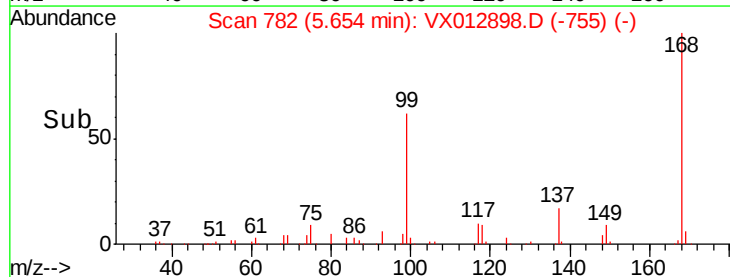
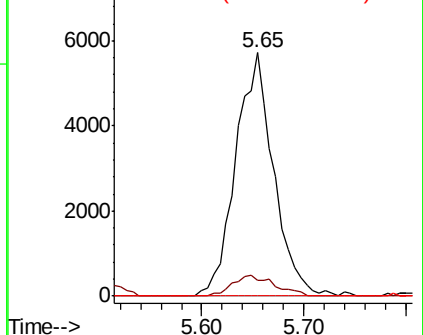
77 0.0 24.4 36.6#

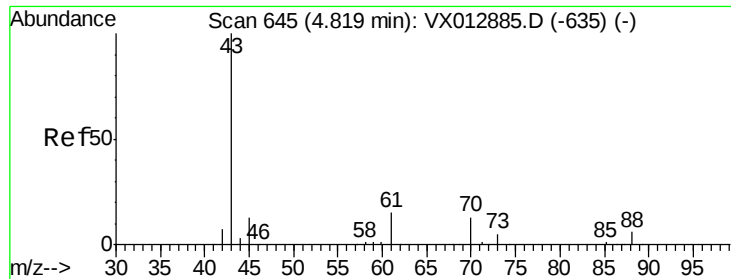


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

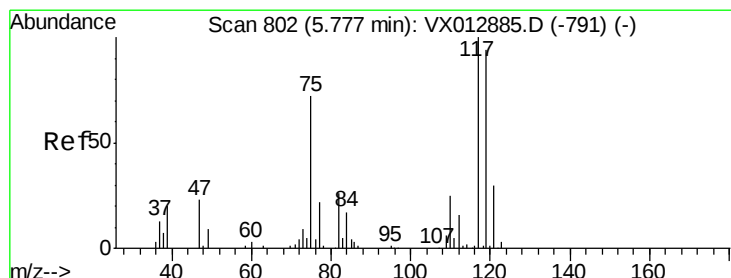
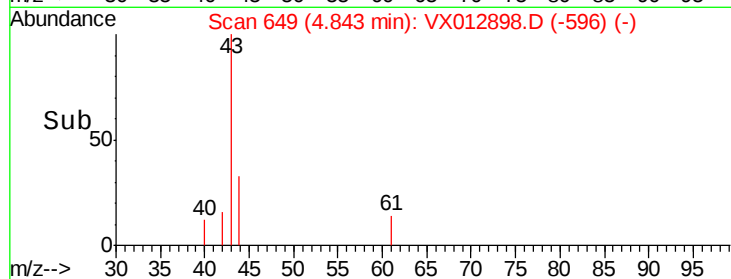
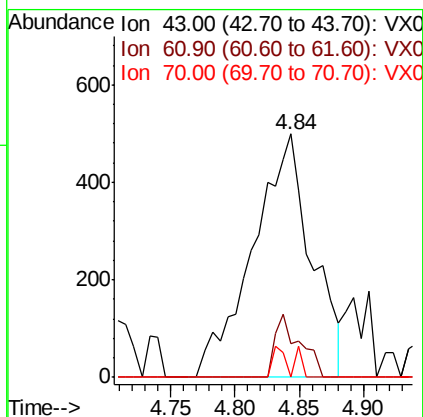
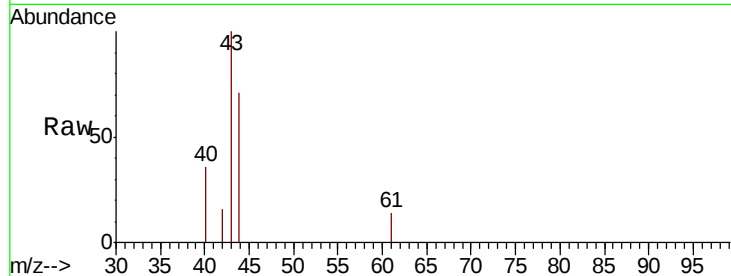




#37
Ethyl Acetate
Concen: 0.526 ug/l
RT: 4.84 min Scan# 649
Delta R.T. 0.02 min
Lab File: VX012898.D
Acq: 08 Oct 2019 18:37

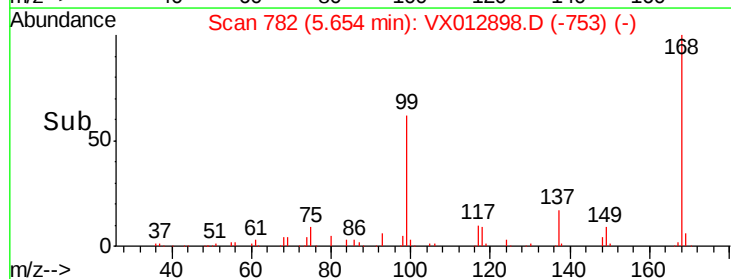
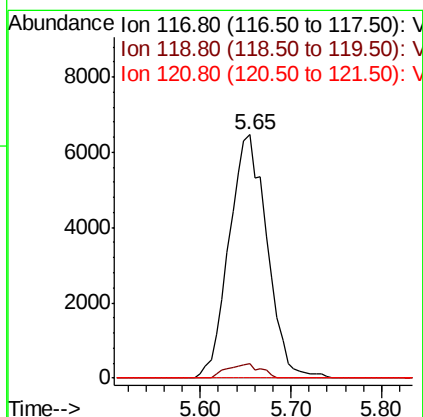
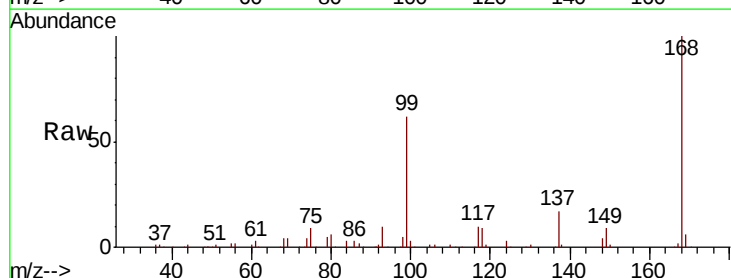
Instrument :
MSVOA_X
ClientSampleId :

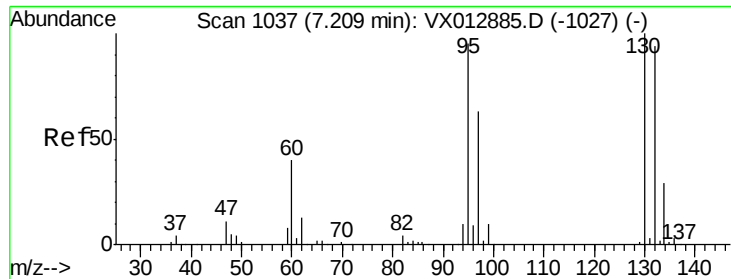
Tot Ion: 43 Resp: 1581
Ion Ratio Lower Upper
43 100
61 11.1 11.4 17.0#
70 2.7 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 7.147 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012898.D
Acq: 08 Oct 2019 18:37

Tgt Ion: 117 Resp: 18707
Ion Ratio Lower Upper
117 100
119 5.8 74.5 111.7#
121 0.0 24.2 36.4#

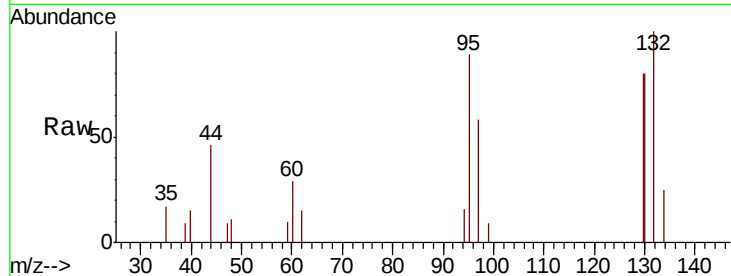




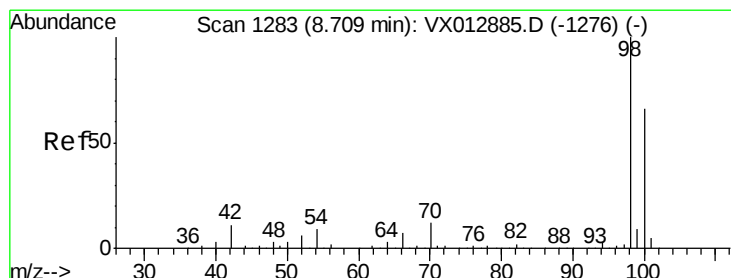
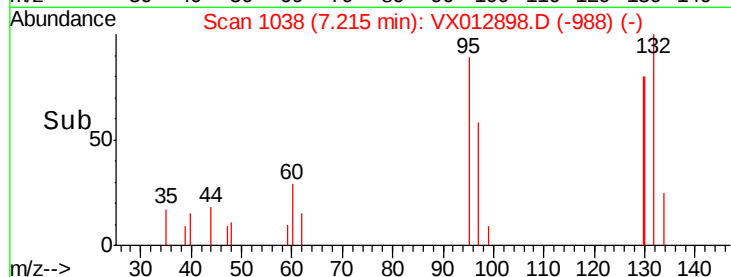
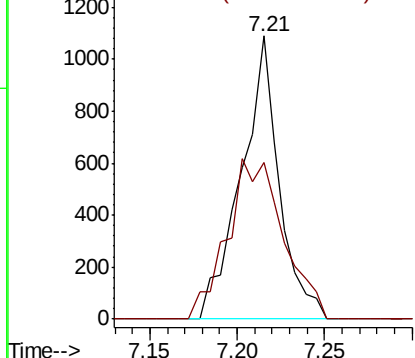
#44
 Trichloroethene
 Concen: 0.749 ug/l
 RT: 7.21 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VX012898.D
 Acq: 08 Oct 2019 18:37

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 1650
 Ion Ratio Lower Upper
 130 100
 95 55.6 0.0 189.2

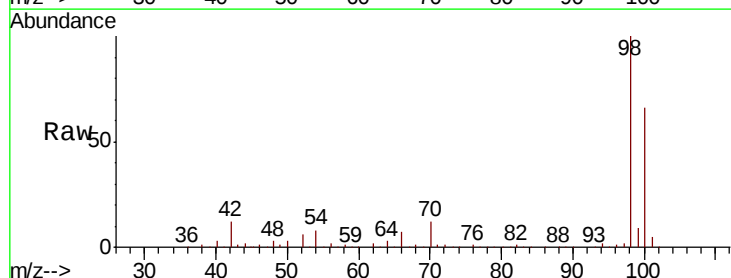


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

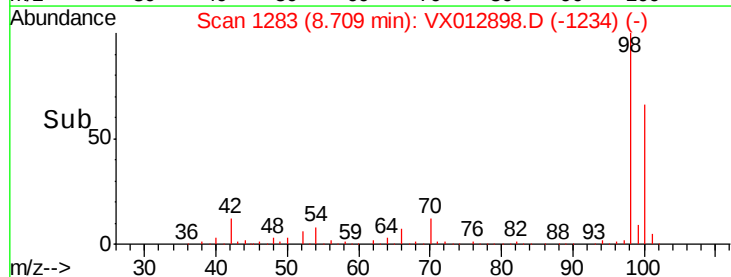
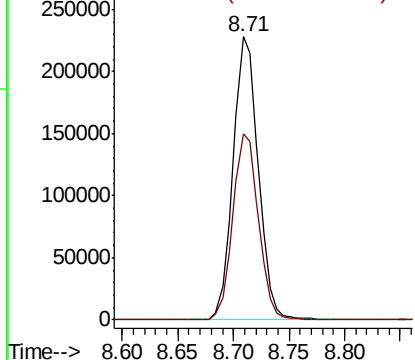


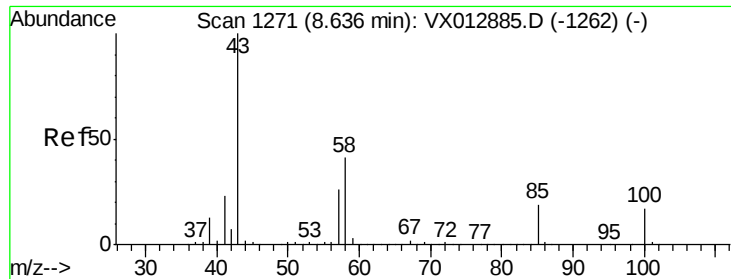
#50
 Toluene-d8
 Concen: 52.298 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012898.D
 Acq: 08 Oct 2019 18:37

Tgt Ion: 98 Resp: 358064
 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): V





#51

4-Methyl-2-Pentanone

Concen: 0.551 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012898.D

Acq: 08 Oct 2019 18:37

Instrument :

MSVOA_X

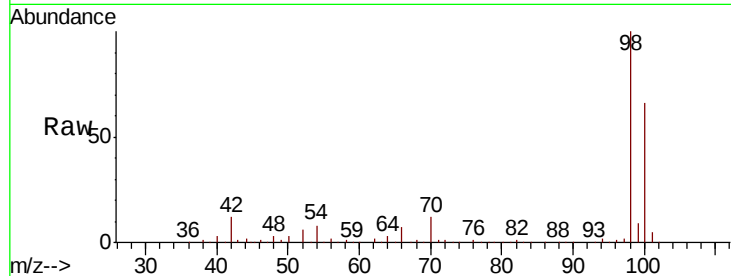
ClientSampleId :

Tot Ion: 43 Resp: 1659

Ion Ratio Lower Upper

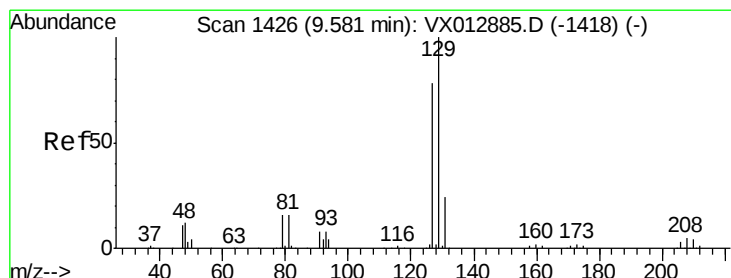
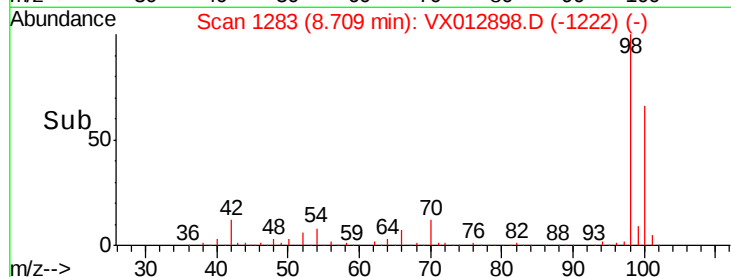
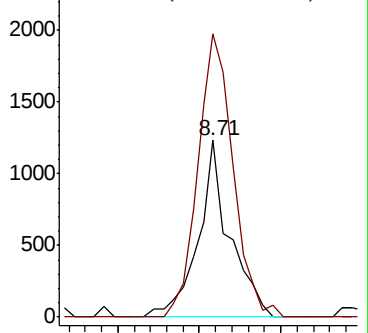
43 100

58 178.4 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX012885.D (-1262) (-)

Ion 58.00 (57.70 to 58.70): VX012885.D (-1262) (-)



#60

Dibromochloromethane

Concen: 1.866 ug/l

RT: 9.35 min Scan# 1388

Delta R.T. -0.23 min

Lab File: VX012898.D

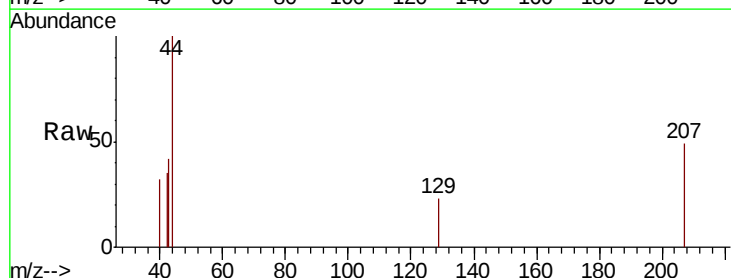
Acq: 08 Oct 2019 18:37

Tgt Ion: 129 Resp: 22

Ion Ratio Lower Upper

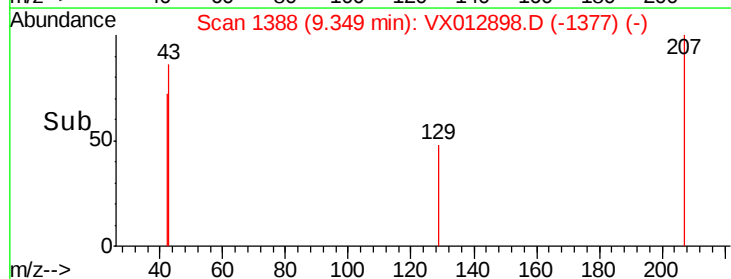
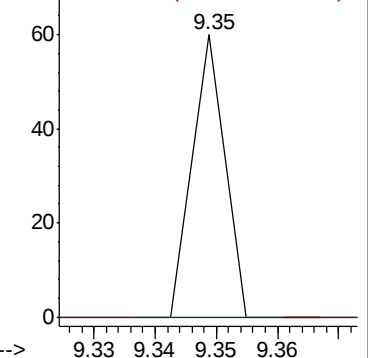
129 100

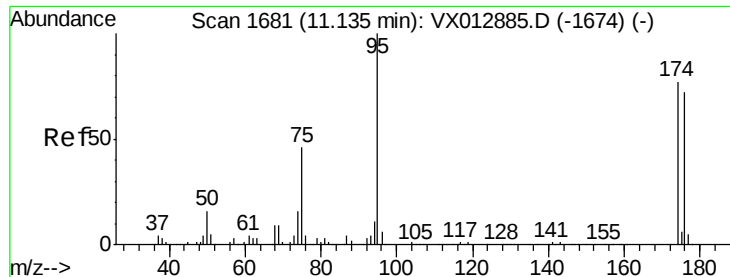
127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): VX012885.D (-1418) (-)

Ion 126.80 (126.50 to 127.50): VX012885.D (-1418) (-)





#62

4-Bromofluorobenzene

Concen: 45.902 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012898.D

Acq: 08 Oct 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

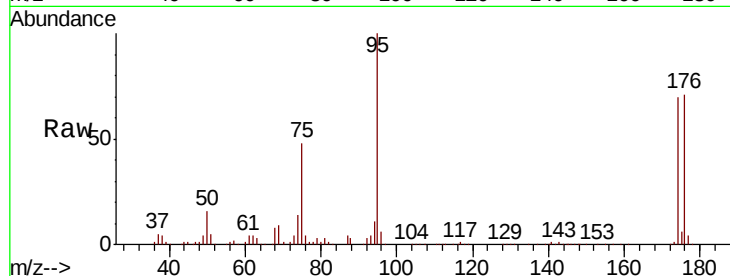
Tot Ion: 95 Resp: 122112

Ion Ratio Lower Upper

95 100

174 70.4 0.0 143.4

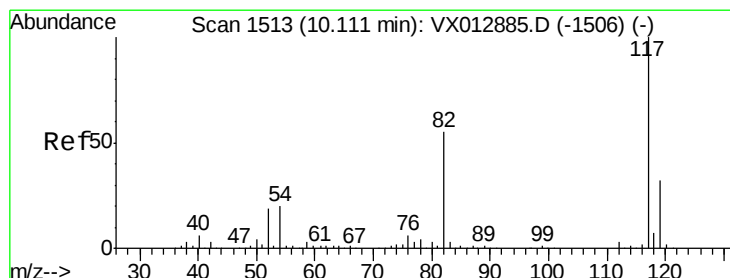
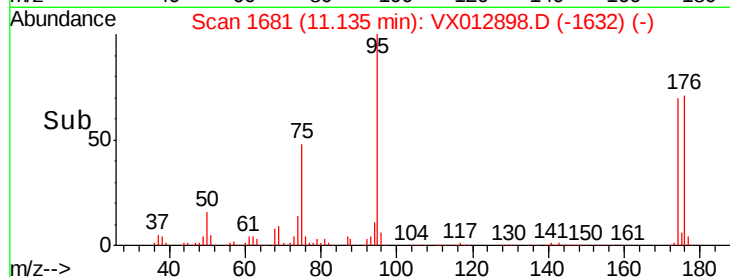
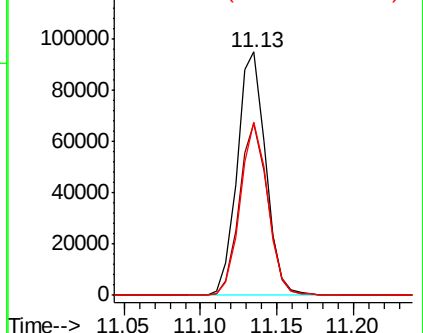
176 68.9 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012898.D

Acq: 08 Oct 2019 18:37

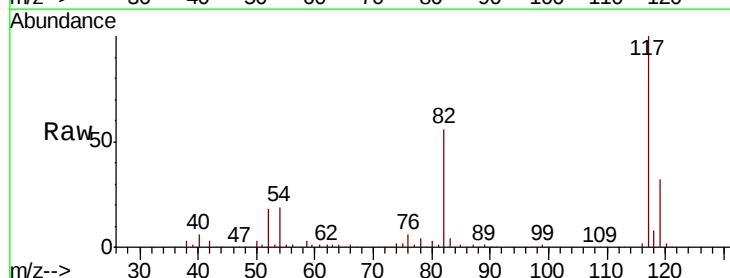
Tgt Ion: 117 Resp: 260720

Ion Ratio Lower Upper

117 100

82 55.9 44.1 66.1

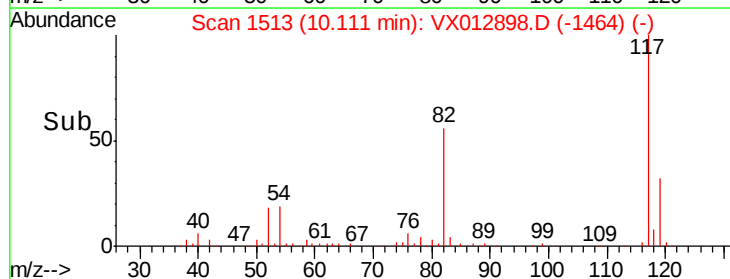
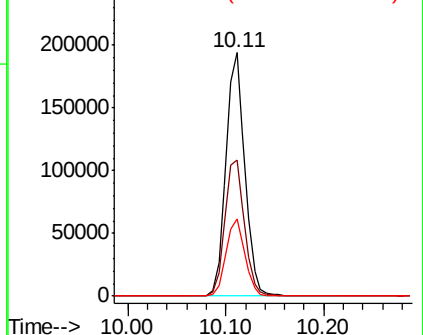
119 31.8 25.8 38.8

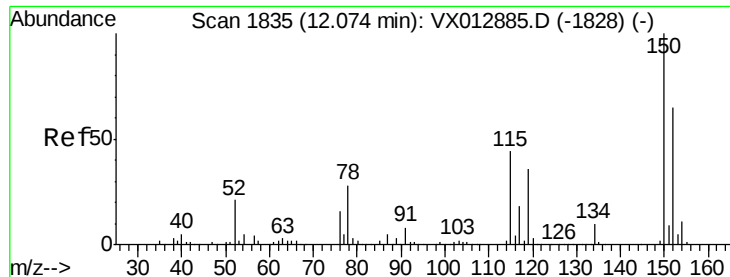


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012898.D

Acq: 08 Oct 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

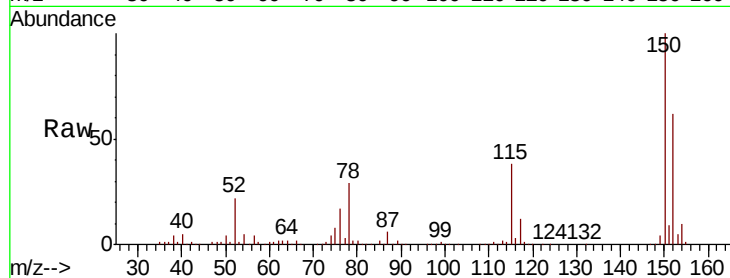
Tot Ion:152 Resp: 99434

Ion Ratio Lower Upper

152 100

115 63.4 44.5 133.5

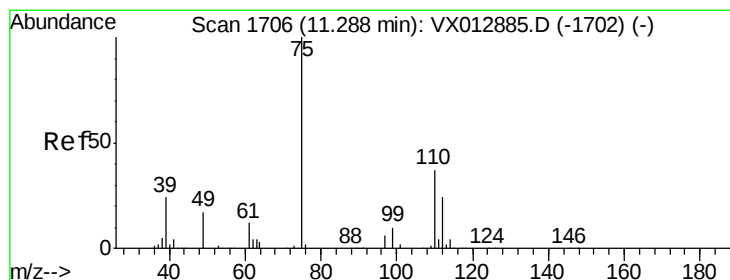
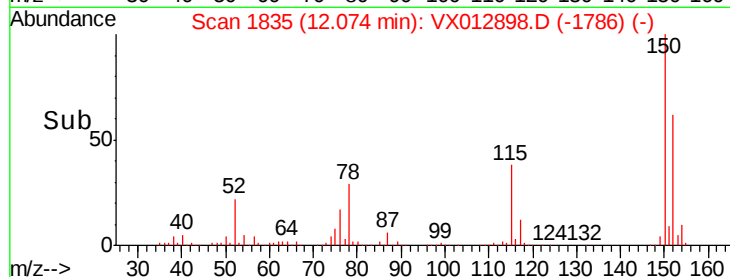
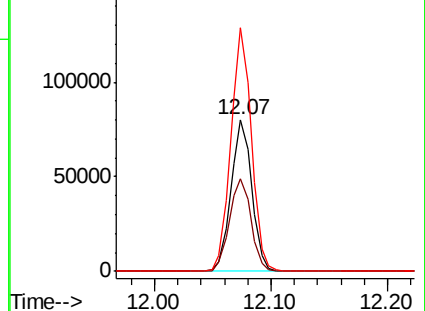
150 158.6 0.0 353.4



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: 27.387 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012898.D

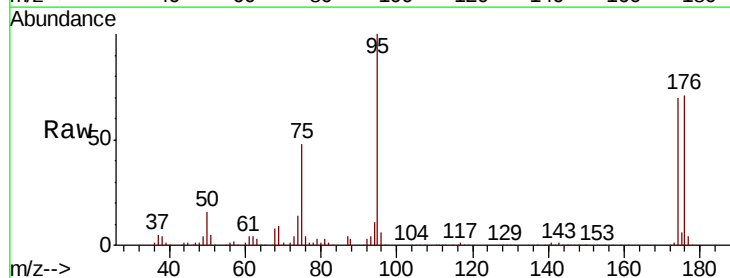
Acq: 08 Oct 2019 18:37

Tgt Ion: 75 Resp: 60401

Ion Ratio Lower Upper

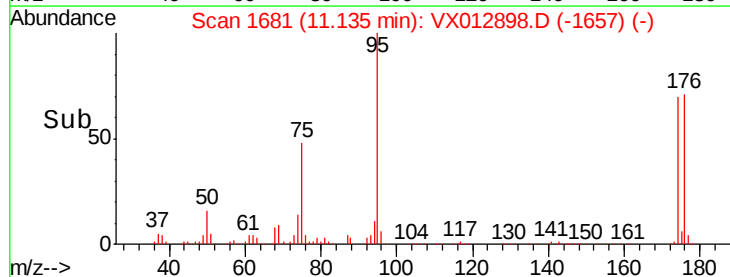
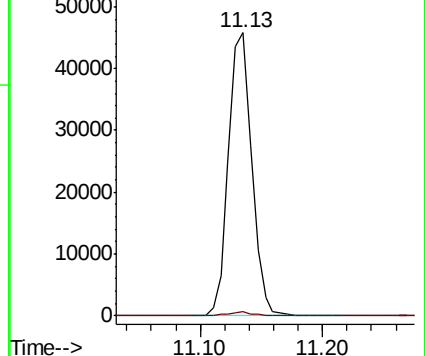
75 100

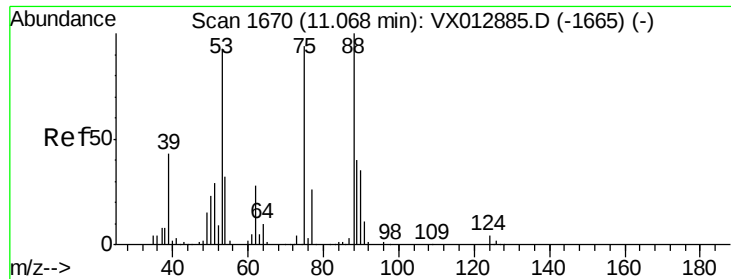
77 1.4 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.757 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012898.D

Acq: 08 Oct 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 60401

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

