

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012730.D
 Acq On : 01 Oct 2019 14:04
 Operator : JC/SP
 Sample : K5081-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ183I-20190925

Quant Time: Oct 02 01:46:17 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	163313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281664	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	235158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	83107	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	113410	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
35) Dibromofluoromethane	5.49	113	84717	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	8.71	98	333724	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.14	95	108076	42.55	ug/l	0.00
Spiked Amount			Recovery	=	85.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	696	0.330	ug/l #	58
10) Methyl Iodide	2.50	142	93	4.997	ug/l #	35
11) Tert butyl alcohol	3.01	59	905	1.523	ug/l #	80
13) Acrolein	2.31	56	22	10.297	ug/l #	1
14) Allyl chloride	2.59	41	8743	2.510	ug/l #	64
16) Acetone	2.43	43	10983	8.719	ug/l	91
18) Methyl Acetate	2.59	43	24180	8.152	ug/l #	54
24) 1,1-Dichloroethane	3.69	63	1815	0.496	ug/l #	91
31) Cyclohexane	5.65	56	4026	1.216	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14114	5.199	ug/l #	51
38) Carbon Tetrachloride	5.65	117	17618	6.388	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1482	0.452	ug/l #	1
60) Dibromochloromethane	9.33	129	502	0.248	ug/l #	11
64) Tetrachloroethene	9.33	164	389	0.237	ug/l #	83
76) 1,2,3-Trichloropropane	11.13	75	54811	24.932	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	54811	71.451	ug/l #	8
88) 1,4-Dichlorobenzene	12.09	146	836	0.300	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

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ClientSampleId :

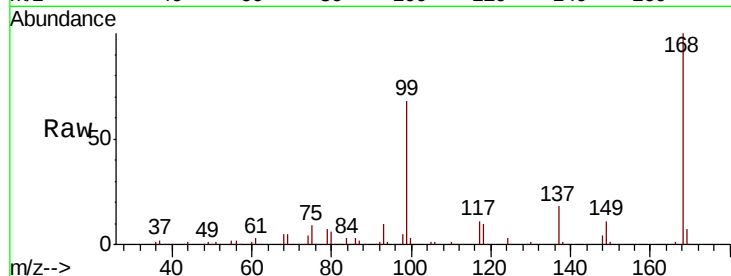
SA-PZ1831-20190925

Tot Ion:168 Resp: 163313

Ion Ratio Lower Upper

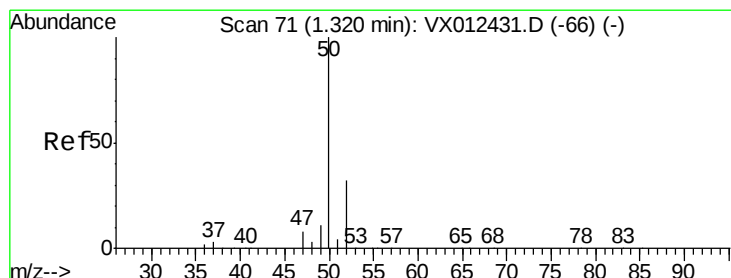
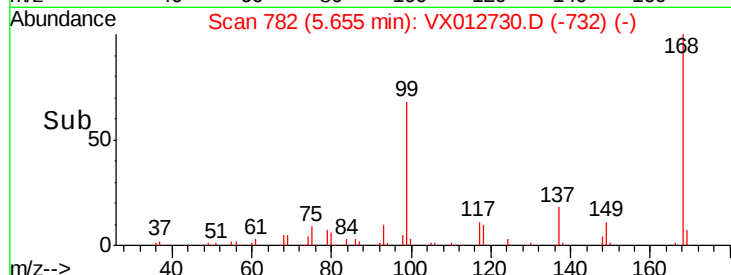
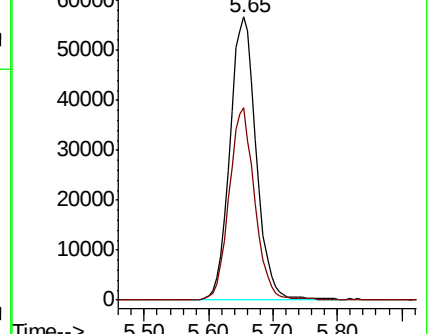
168 100

99 68.0 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: 0.330 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012730.D

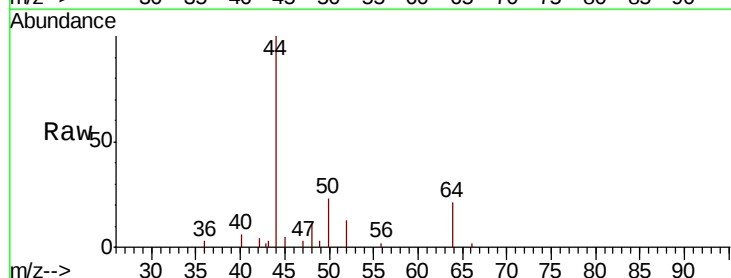
Acq: 01 Oct 2019 14:04

Tgt Ion: 50 Resp: 696

Ion Ratio Lower Upper

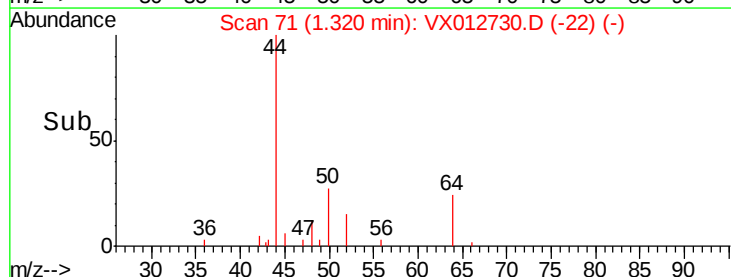
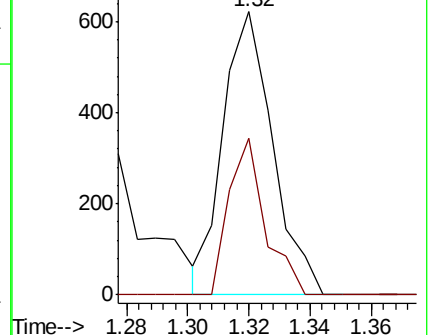
50 100

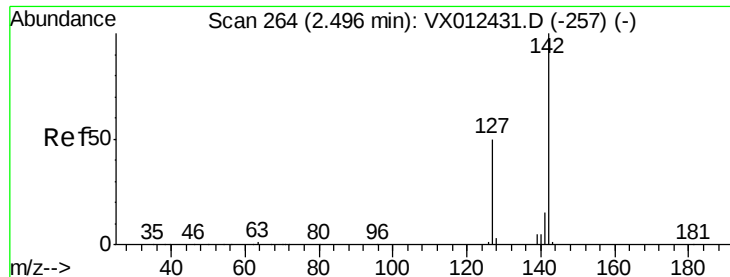
52 55.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

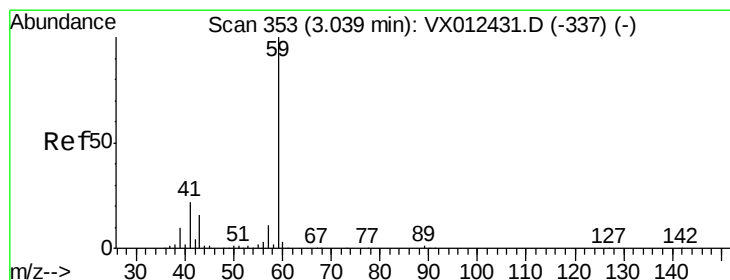
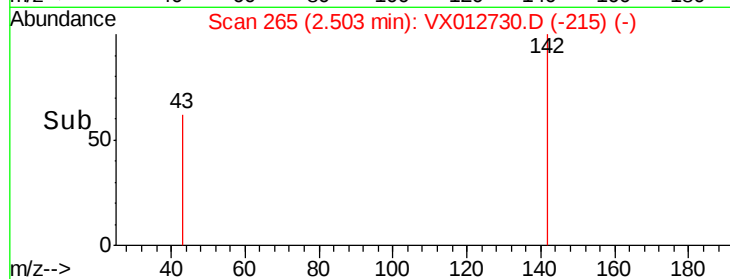
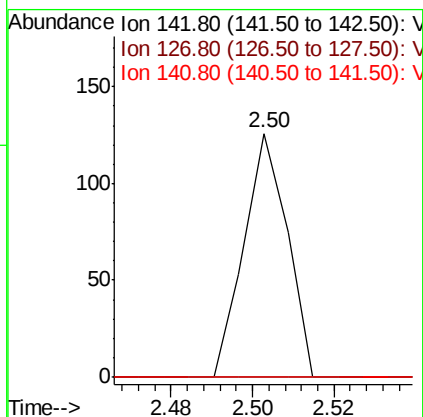
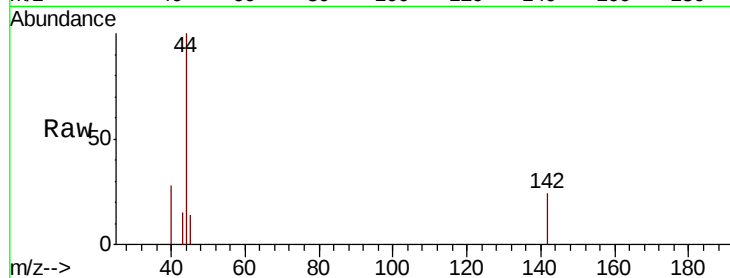




#10
Methyl Iodide
Concen: 4.997 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012730.D
Acq: 01 Oct 2019 14:04

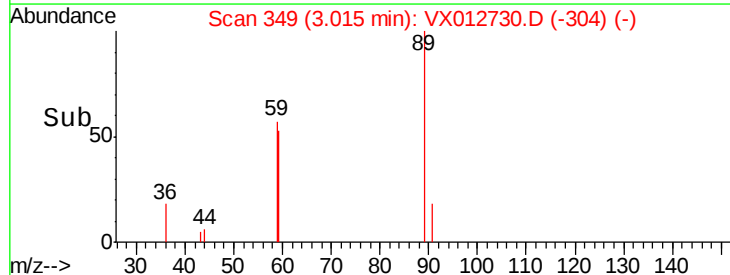
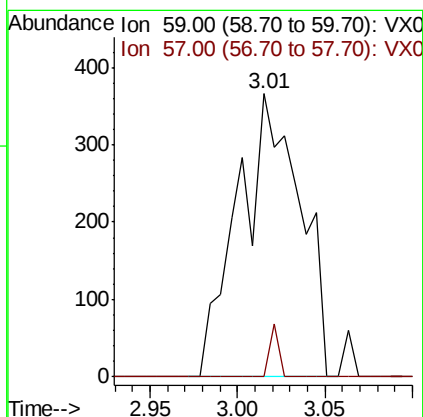
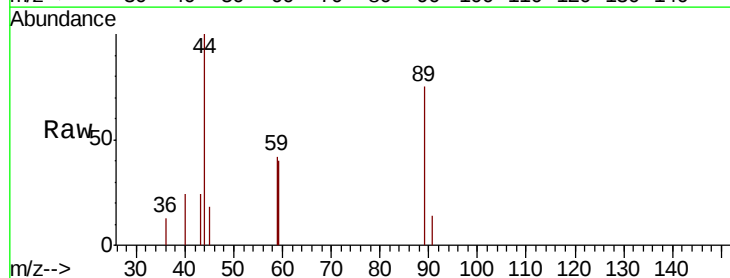
Instrument :
MSVOA_X
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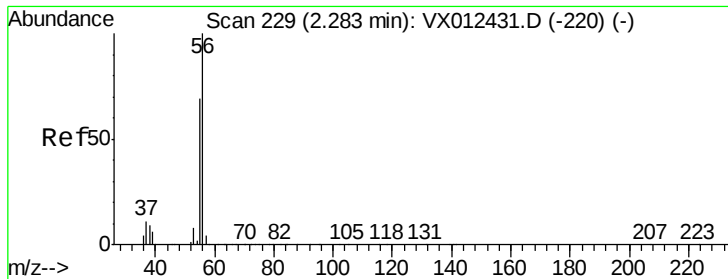
Tot Ion: 142 Resp: 93
Ion Ratio Lower Upper
142 100
127 0.0 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 1.523 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX012730.D
Acq: 01 Oct 2019 14:04

Tgt Ion: 59 Resp: 905
Ion Ratio Lower Upper
59 100
57 2.8 8.3 12.5#





#13

Acrolein

Concen: 10.297 ug/l

RT: 2.31 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX012730.D

Acq: 01 Oct 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

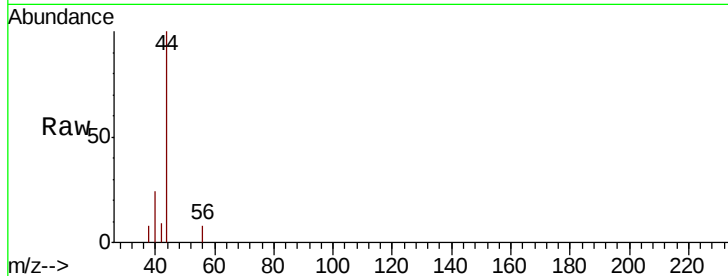
SA-PZ183I-20190925

Tot Ion: 56 Resp: 22

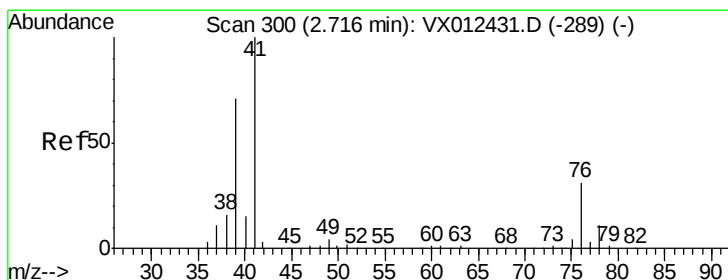
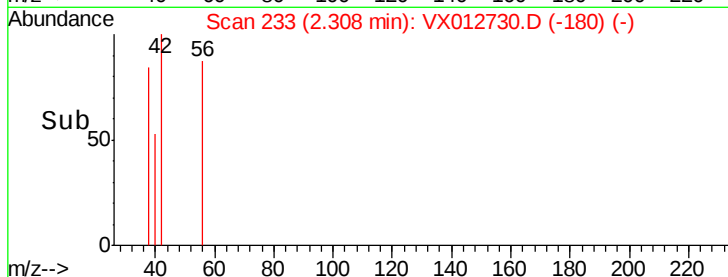
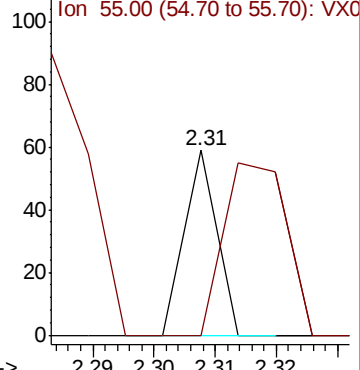
Ion Ratio Lower Upper

56 100

55 177.3 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#14

Allyl chloride

Concen: 2.510 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012730.D

Acq: 01 Oct 2019 14:04

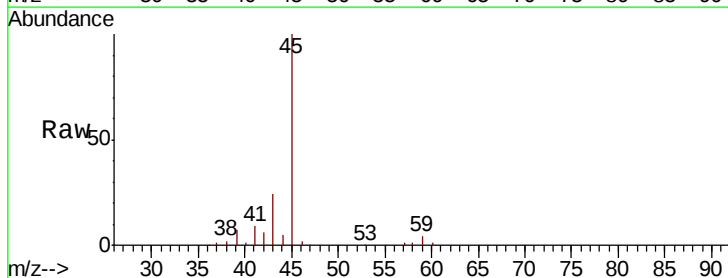
Tgt Ion: 41 Resp: 8743

Ion Ratio Lower Upper

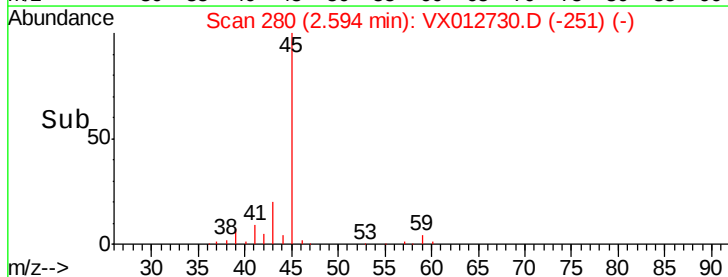
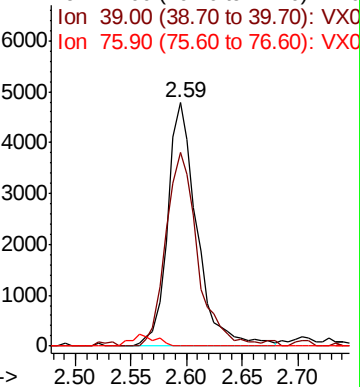
41 100

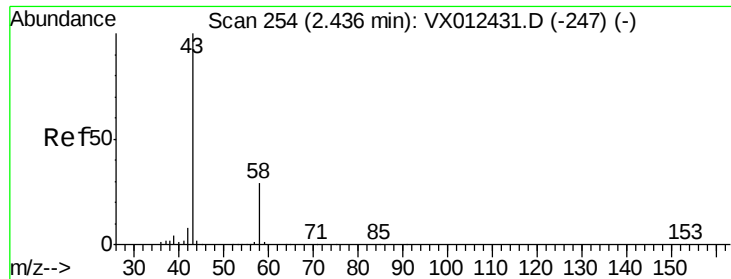
39 85.8 51.3 76.9#

76 0.0 22.6 33.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0





#16

Acetone

Concen: 8.719 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012730.D

Acq: 01 Oct 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

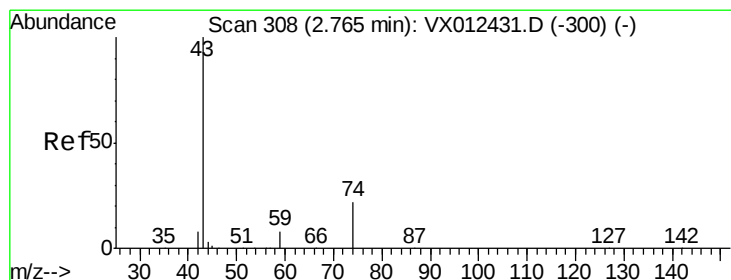
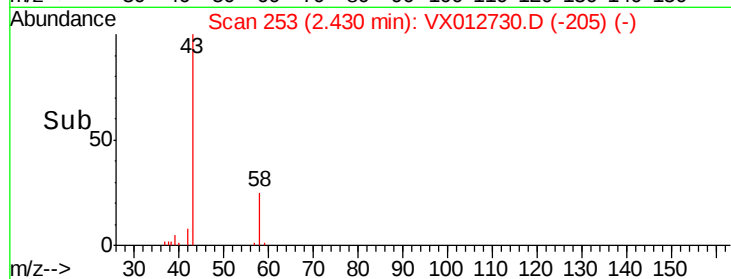
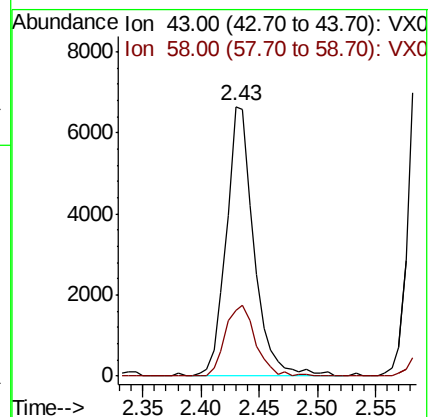
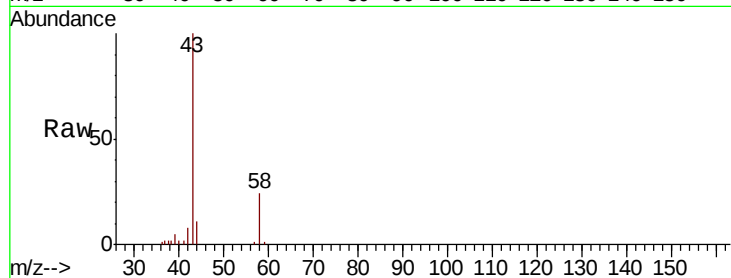
SA-PZ183I-20190925

Tot Ion: 43 Resp: 10983

Ion Ratio Lower Upper

43 100

58 24.2 23.3 34.9



#18

Methyl Acetate

Concen: 8.152 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012730.D

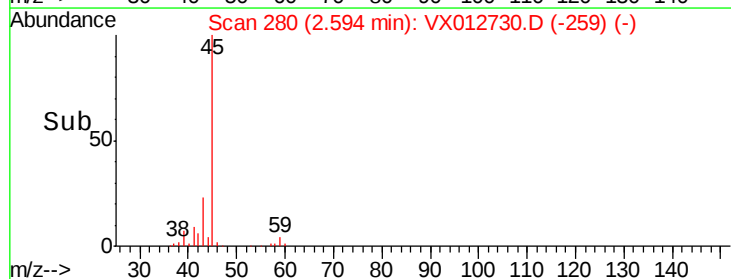
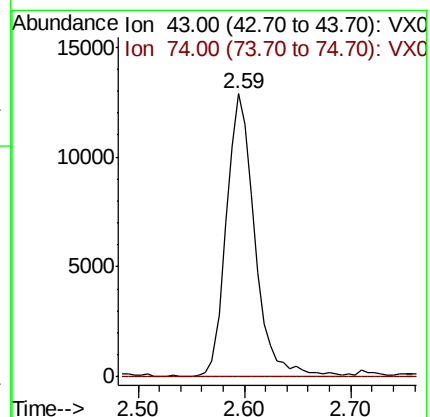
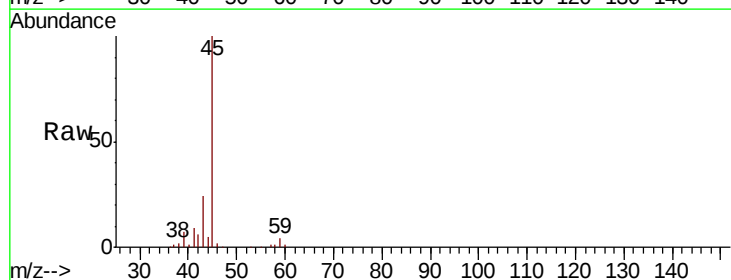
Acq: 01 Oct 2019 14:04

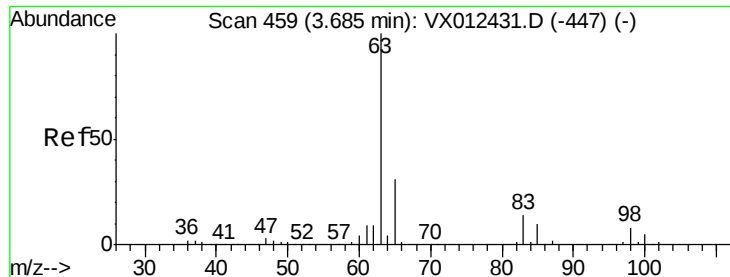
Tgt Ion: 43 Resp: 24180

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#

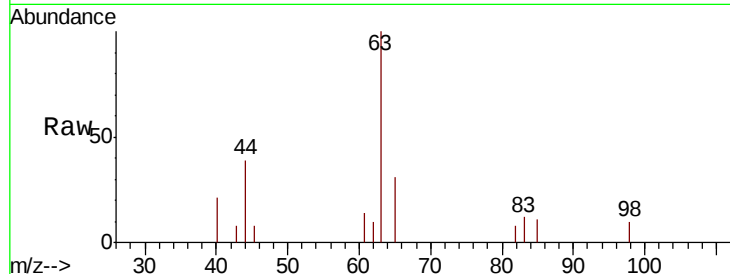




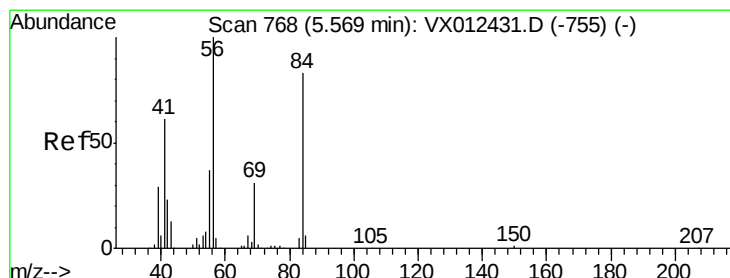
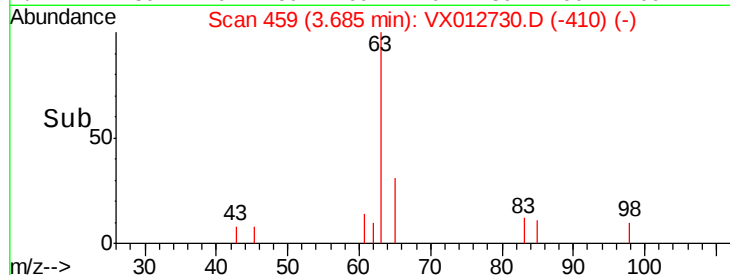
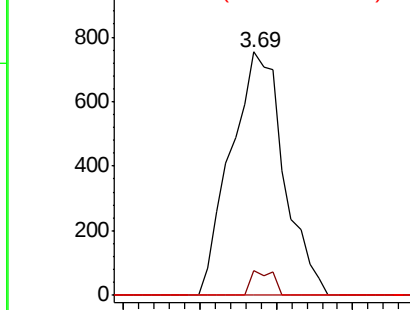
#24
 1,1-Dichloroethane
 Concen: 0.496 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX012730.D
 Acq: 01 Oct 2019 14:04

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ1831-20190925

Tot Ion: 63 Resp: 1815
 Ion Ratio Lower Upper
 63 100
 98 10.1 3.9 11.7
 100 0.0 2.3 6.9#

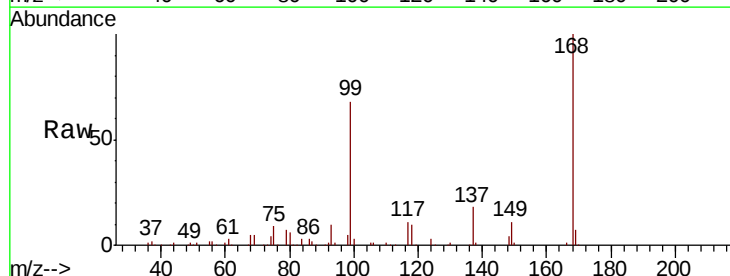


Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0
 Ion 99.90 (99.60 to 100.60): VX0

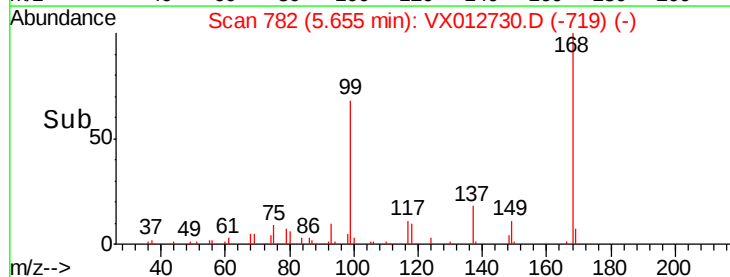
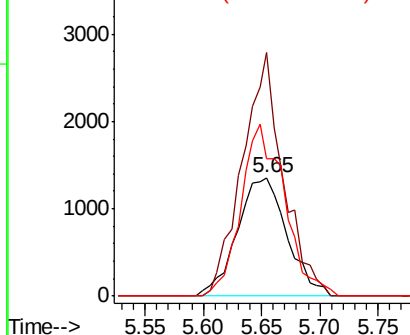


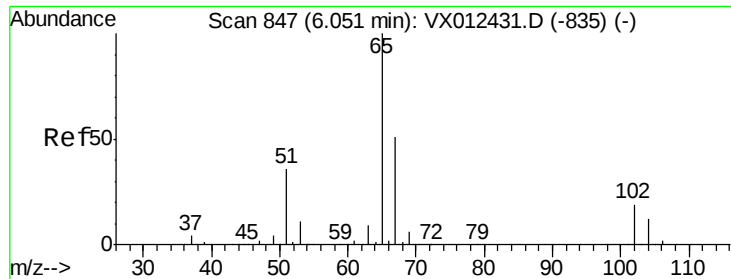
#31
 Cyclohexane
 Concen: 1.216 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.09 min
 Lab File: VX012730.D
 Acq: 01 Oct 2019 14:04

Tgt Ion: 56 Resp: 4026
 Ion Ratio Lower Upper
 56 100
 69 205.1 25.0 37.6#
 84 115.9 66.4 99.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 69.00 (68.70 to 69.70): VX0
 Ion 84.00 (83.70 to 84.70): VX0

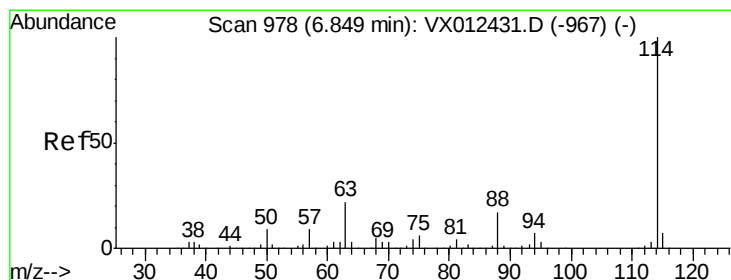
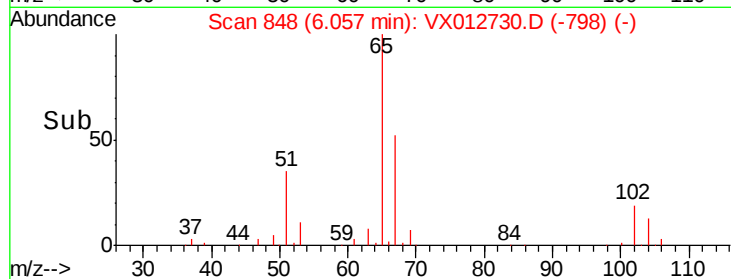
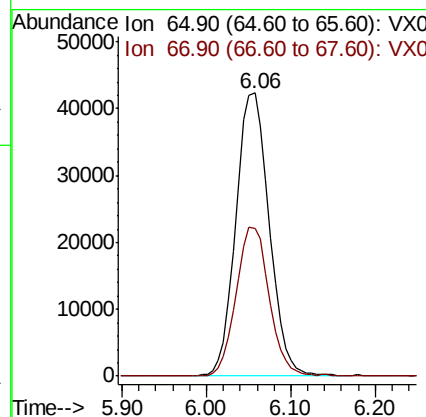
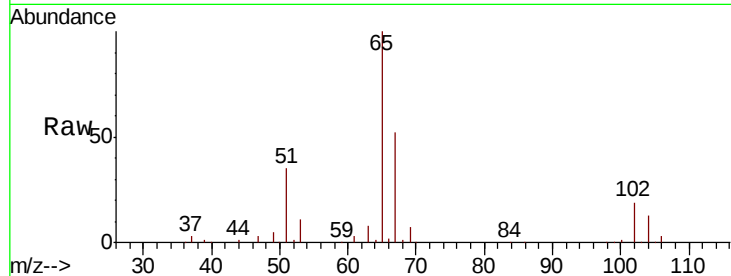




#33
 1,2-Dichloroethane-d4
 Concen: 47.688 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012730.D
 Acq: 01 Oct 2019 14:04

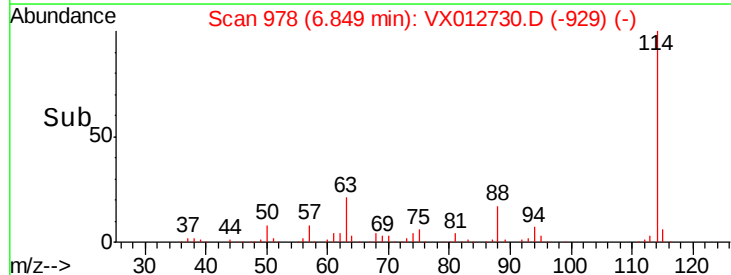
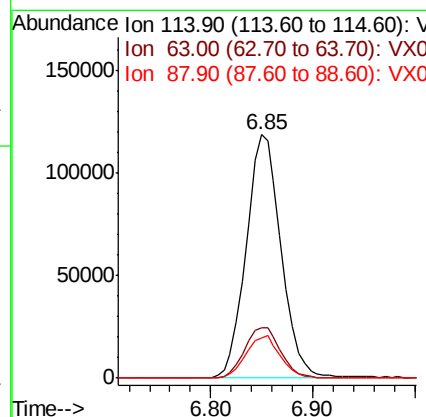
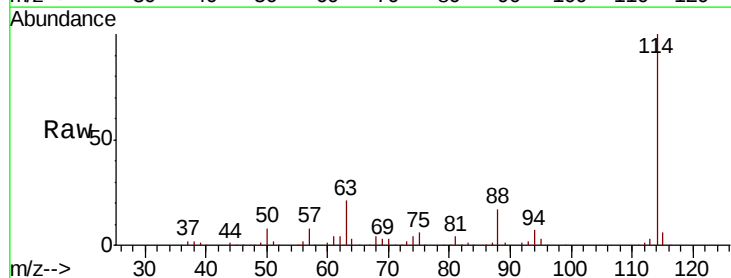
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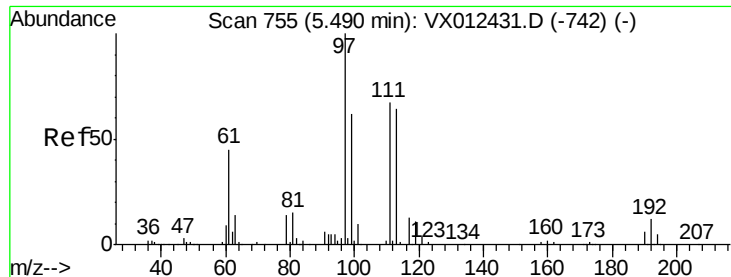
Tot Ion: 65 Resp: 113410
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012730.D
 Acq: 01 Oct 2019 14:04

Tgt Ion: 114 Resp: 281664
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 16.6 0.0 33.2

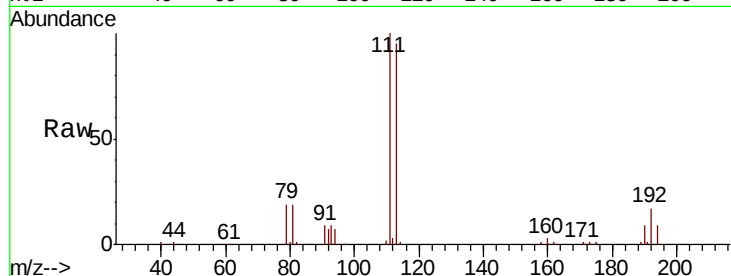




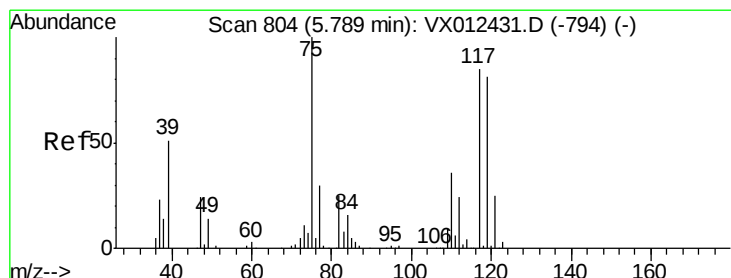
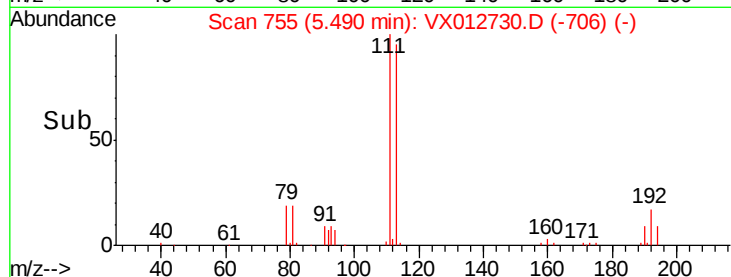
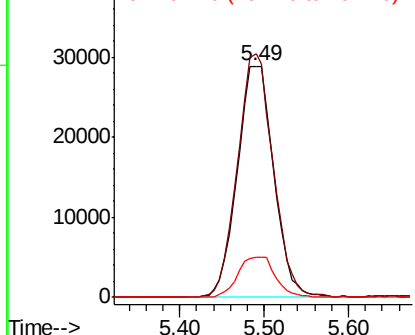
#35
 Dibromofluoromethane
 Concen: 50.504 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012730.D
 Acq: 01 Oct 2019 14:04

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ183I-20190925

Tot Ion:113 Resp: 84717
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.4 125.2
 192 18.0 14.4 21.6

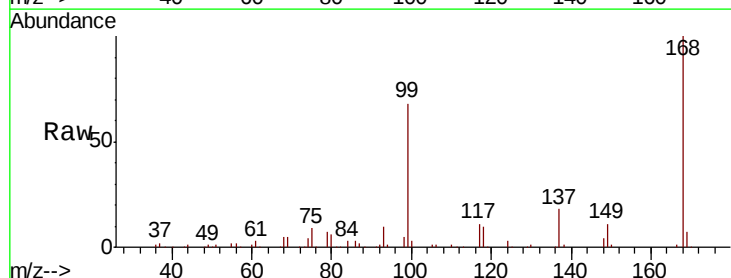


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

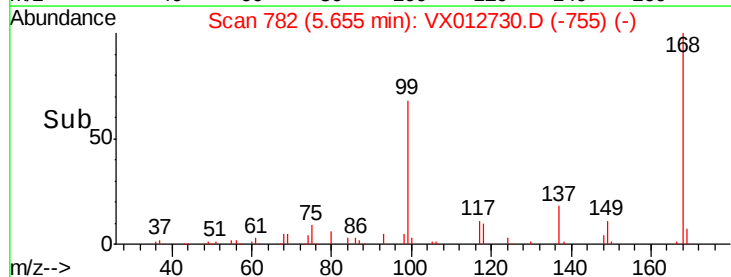
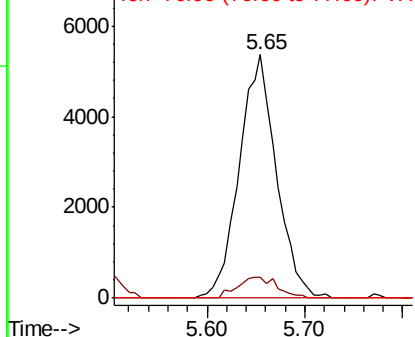


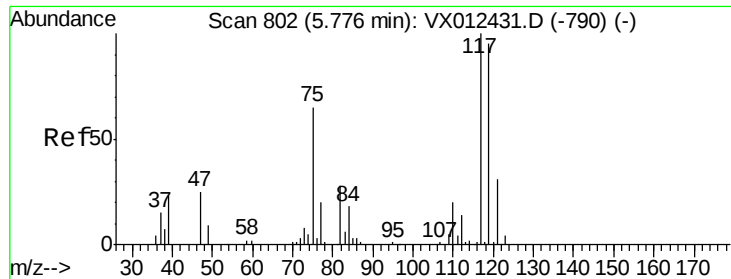
#36
 1,1-Dichloropropene
 Concen: 5.199 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012730.D
 Acq: 01 Oct 2019 14:04

Tgt Ion: 75 Resp: 14114
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.7 50.0#
 77 0.0 24.2 36.2#



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

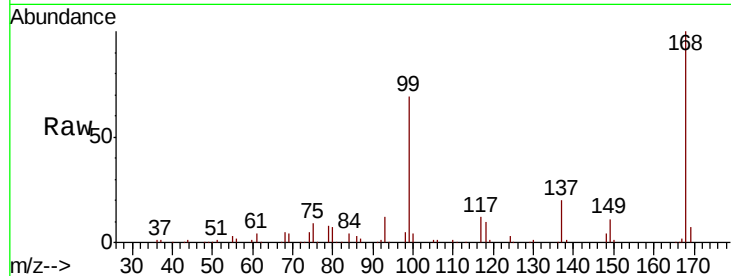




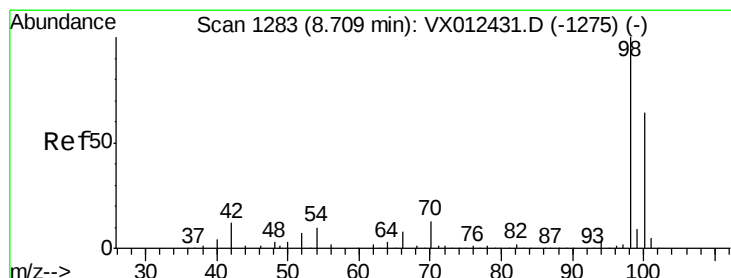
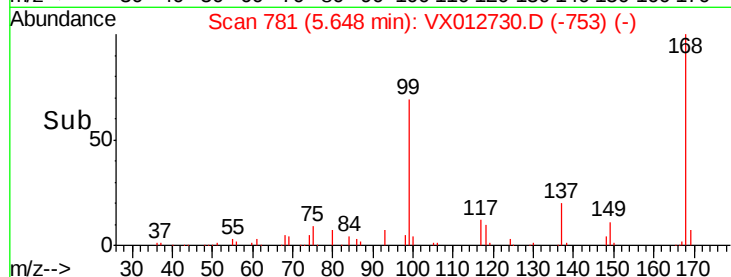
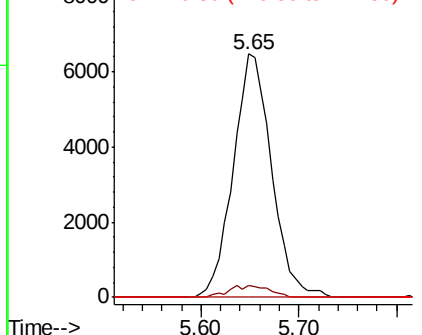
#38
Carbon Tetrachloride
Concen: 6.388 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012730.D
Acq: 01 Oct 2019 14:04

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1831-20190925

Tot Ion:117 Resp: 17618
Ion Ratio Lower Upper
117 100
119 4.8 75.7 113.5#
121 0.0 24.2 36.4#

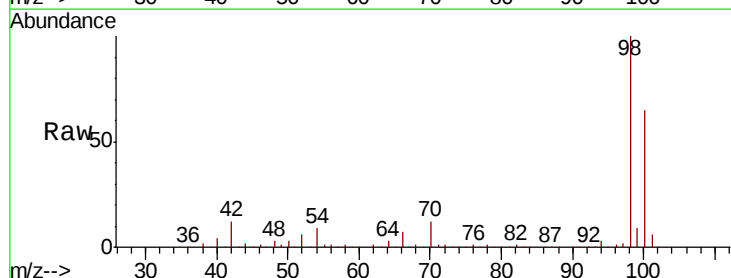


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

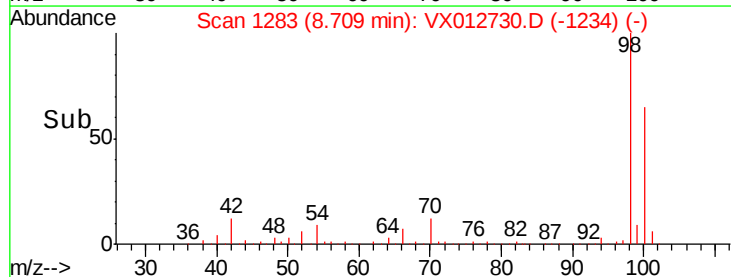
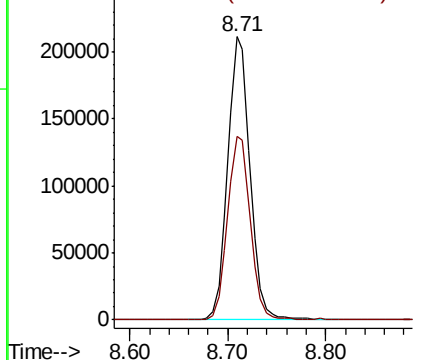


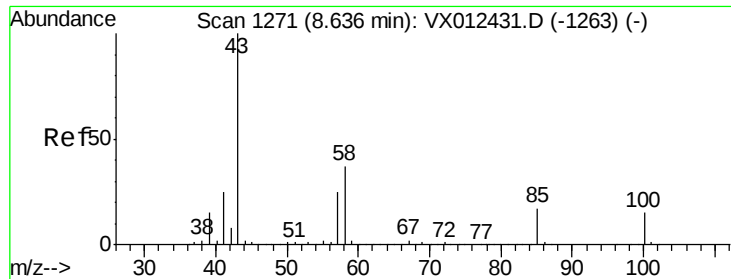
#50
Toluene-d8
Concen: 51.661 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012730.D
Acq: 01 Oct 2019 14:04

Tgt Ion: 98 Resp: 333724
Ion Ratio Lower Upper
98 100
100 66.4 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: 0.452 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012730.D

Acq: 01 Oct 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

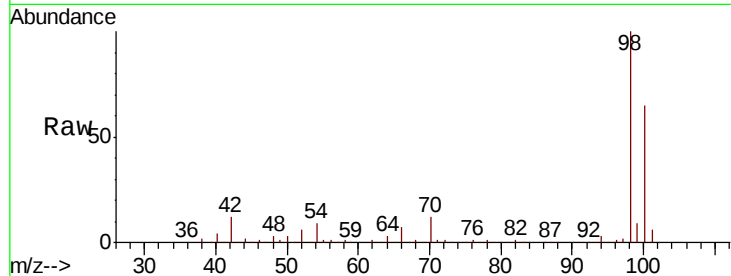
SA-PZ183I-20190925

Tot Ion: 43 Resp: 1482

Ion Ratio Lower Upper

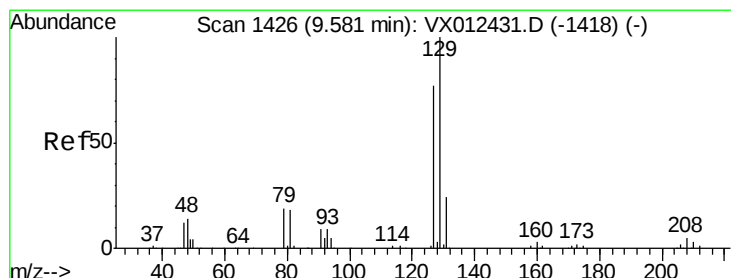
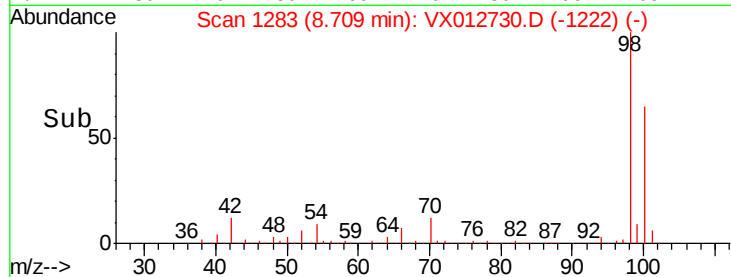
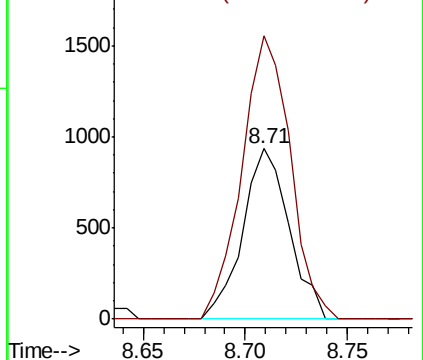
43 100

58 173.5 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX012730.D (-1282) (-)

Ion 58.00 (57.70 to 58.70): VX012730.D (-1282) (-)



#60

Dibromochloromethane

Concen: 0.248 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012730.D

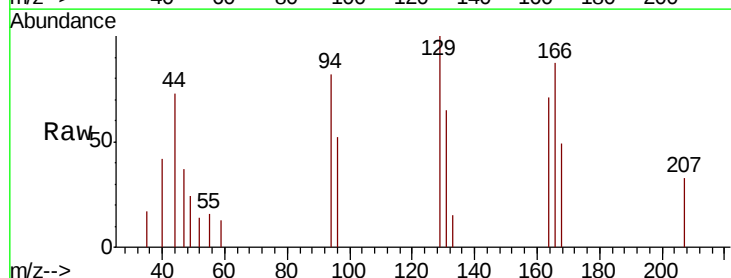
Acq: 01 Oct 2019 14:04

Tgt Ion: 129 Resp: 502

Ion Ratio Lower Upper

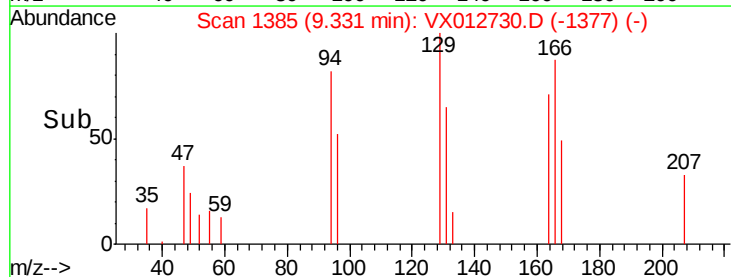
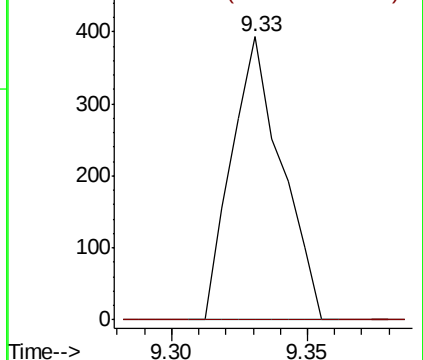
129 100

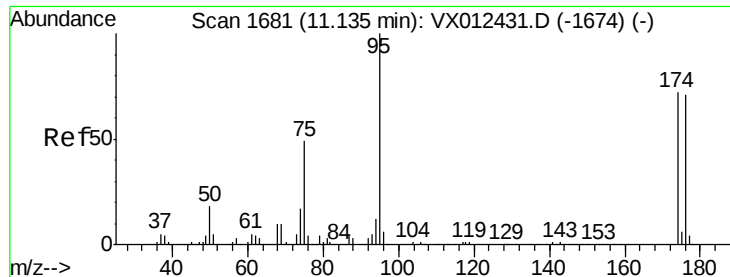
127 0.0 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): VX012730.D (-1377) (-)

Ion 126.80 (126.50 to 127.50): VX012730.D (-1377) (-)





#62

4-Bromofluorobenzene

Concen: 42.549 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012730.D

Acq: 01 Oct 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ183I-20190925

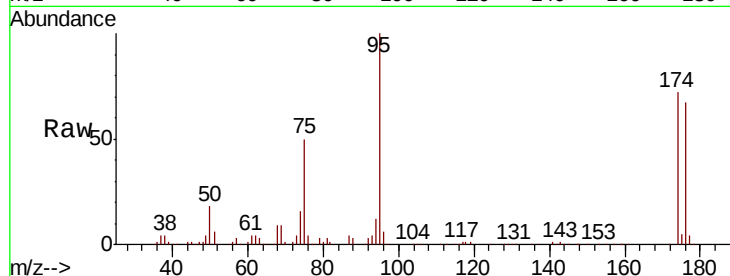
Tot Ion: 95 Resp: 108076

Ion Ratio Lower Upper

95 100

174 68.7 0.0 140.0

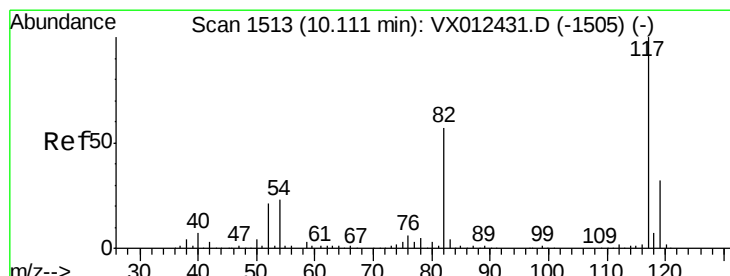
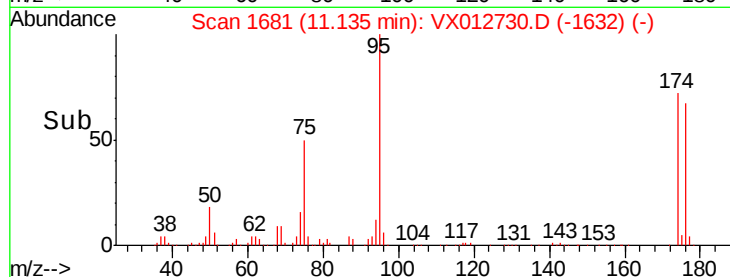
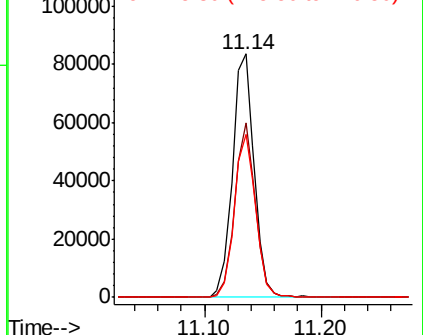
176 66.1 0.0 135.4



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: VX012730.D

Acq: 01 Oct 2019 14:04

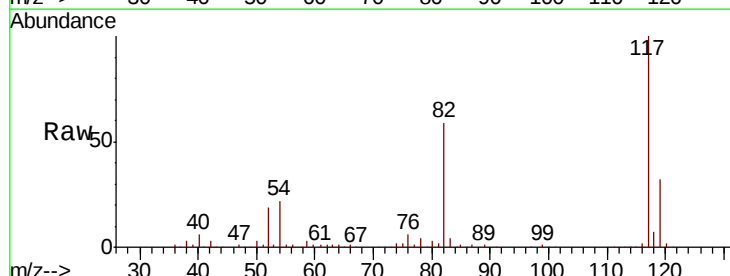
Tgt Ion: 117 Resp: 235158

Ion Ratio Lower Upper

117 100

82 59.0 45.9 68.9

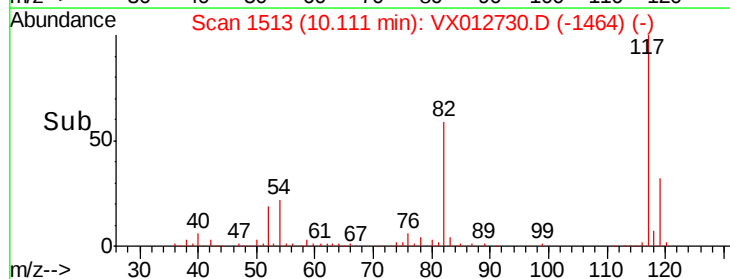
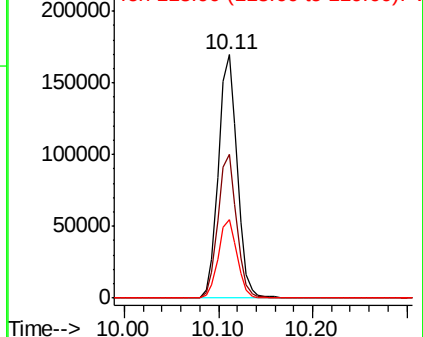
119 32.4 25.3 37.9

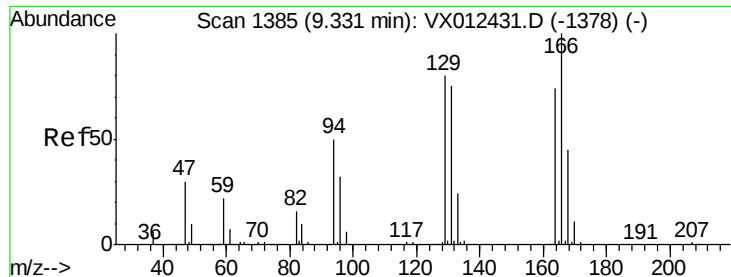


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

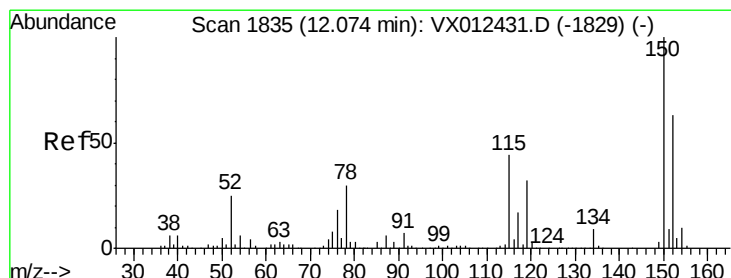
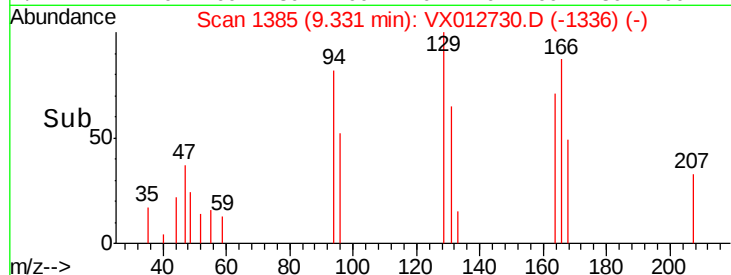
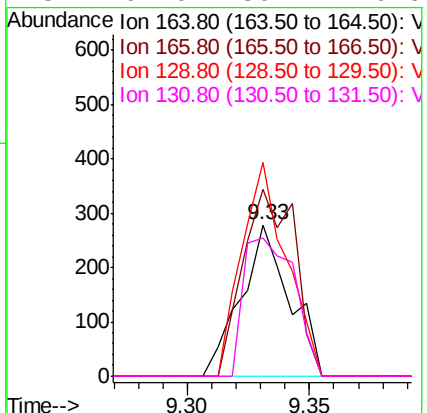
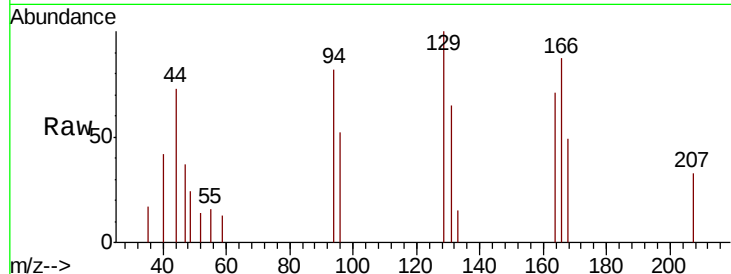




#64
Tetrachloroethene
Concen: 0.237 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012730.D
Acq: 01 Oct 2019 14:04

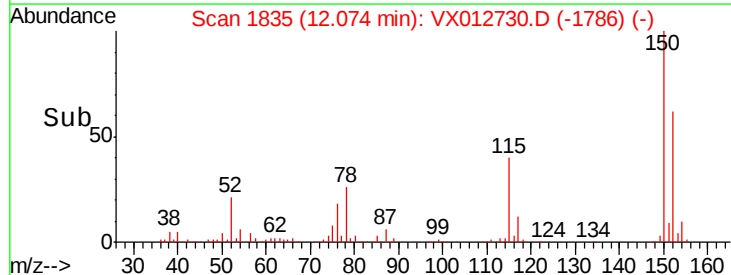
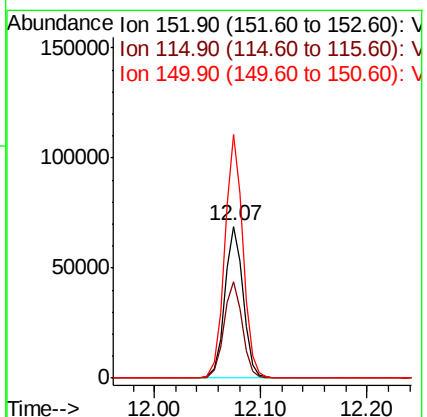
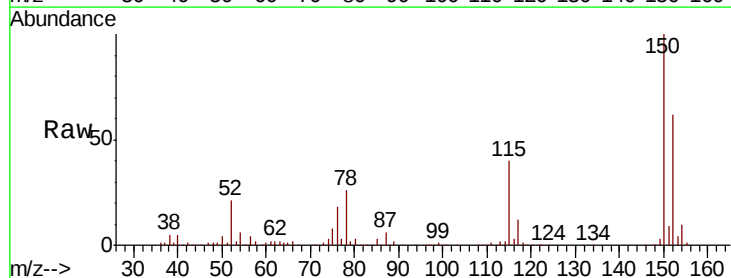
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ183I-20190925

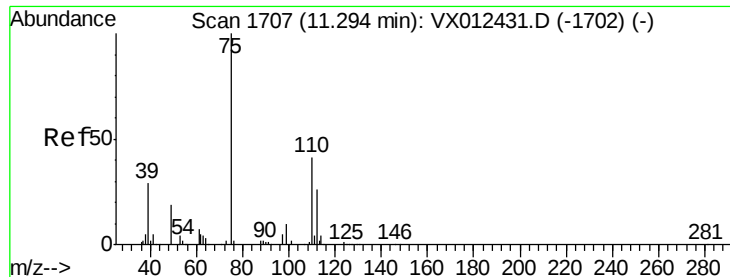
Tot Ion:164 Resp: 389
Ion Ratio Lower Upper
164 100
166 122.9 107.8 161.6
129 140.9 86.2 129.2#
131 91.0 80.4 120.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012730.D
Acq: 01 Oct 2019 14:04

Tgt Ion:152 Resp: 83107
Ion Ratio Lower Upper
152 100
115 63.9 44.1 132.3
150 159.0 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 24.932 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012730.D

Acq: 01 Oct 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

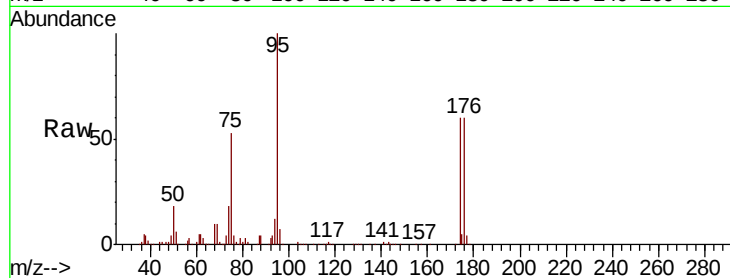
SA-PZ183I-20190925

Tot Ion: 75 Resp: 54811

Ion Ratio Lower Upper

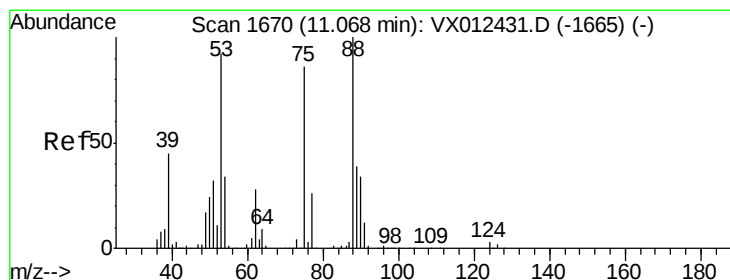
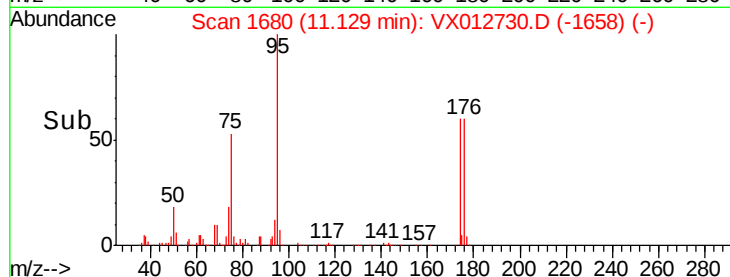
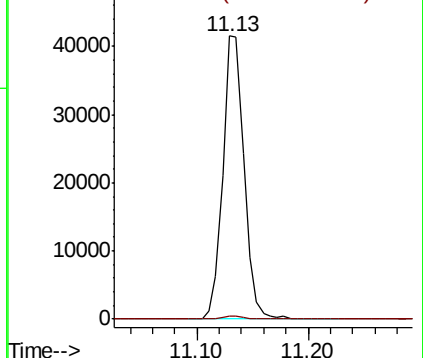
75 100

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: 71.451 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012730.D

Acq: 01 Oct 2019 14:04

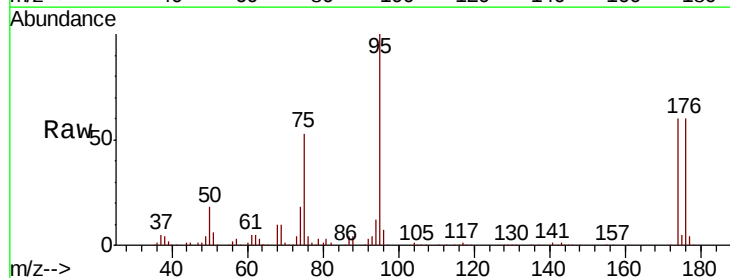
Tgt Ion: 75 Resp: 54811

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

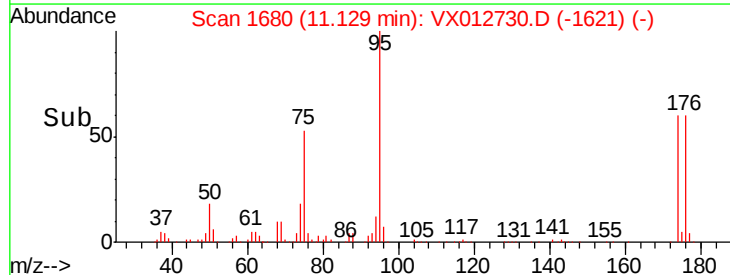
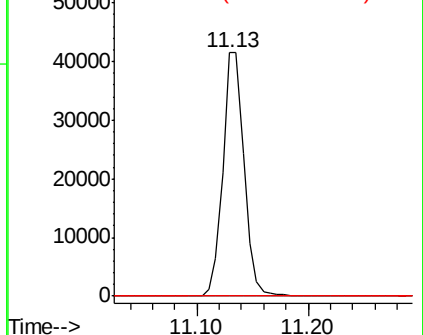
89 0.0 36.3 54.5#

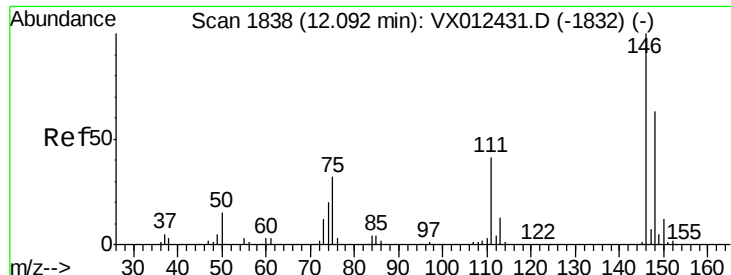


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#88

1,4-Dichlorobenzene

Concen: 0.300 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012730.D

Acq: 01 Oct 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ183I-20190925

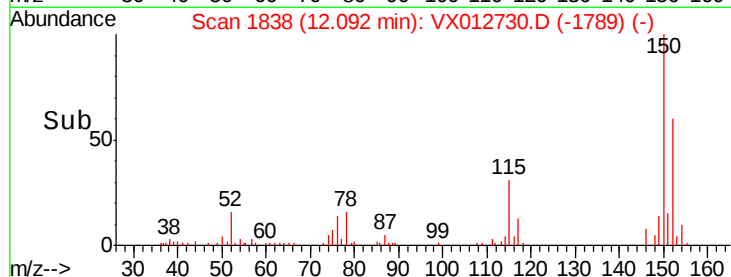
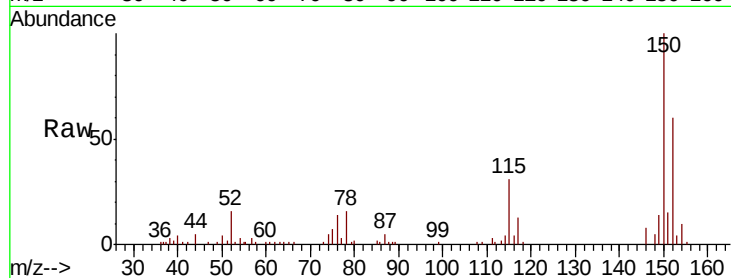
Tot Ion:146 Resp: 836

Ion Ratio Lower Upper

146 100

111 179.4 21.1 63.3#

148 106.0 32.1 96.5#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

