

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012964.D
 Acq On : 10 Oct 2019 00:40
 Operator : JC/SP
 Sample : K5260-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 06:48:38 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	178223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	299399	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96600	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	116103	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
35) Dibromofluoromethane	5.49	113	88339	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
50) Toluene-d8	8.71	98	349833	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	11.14	95	117758	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

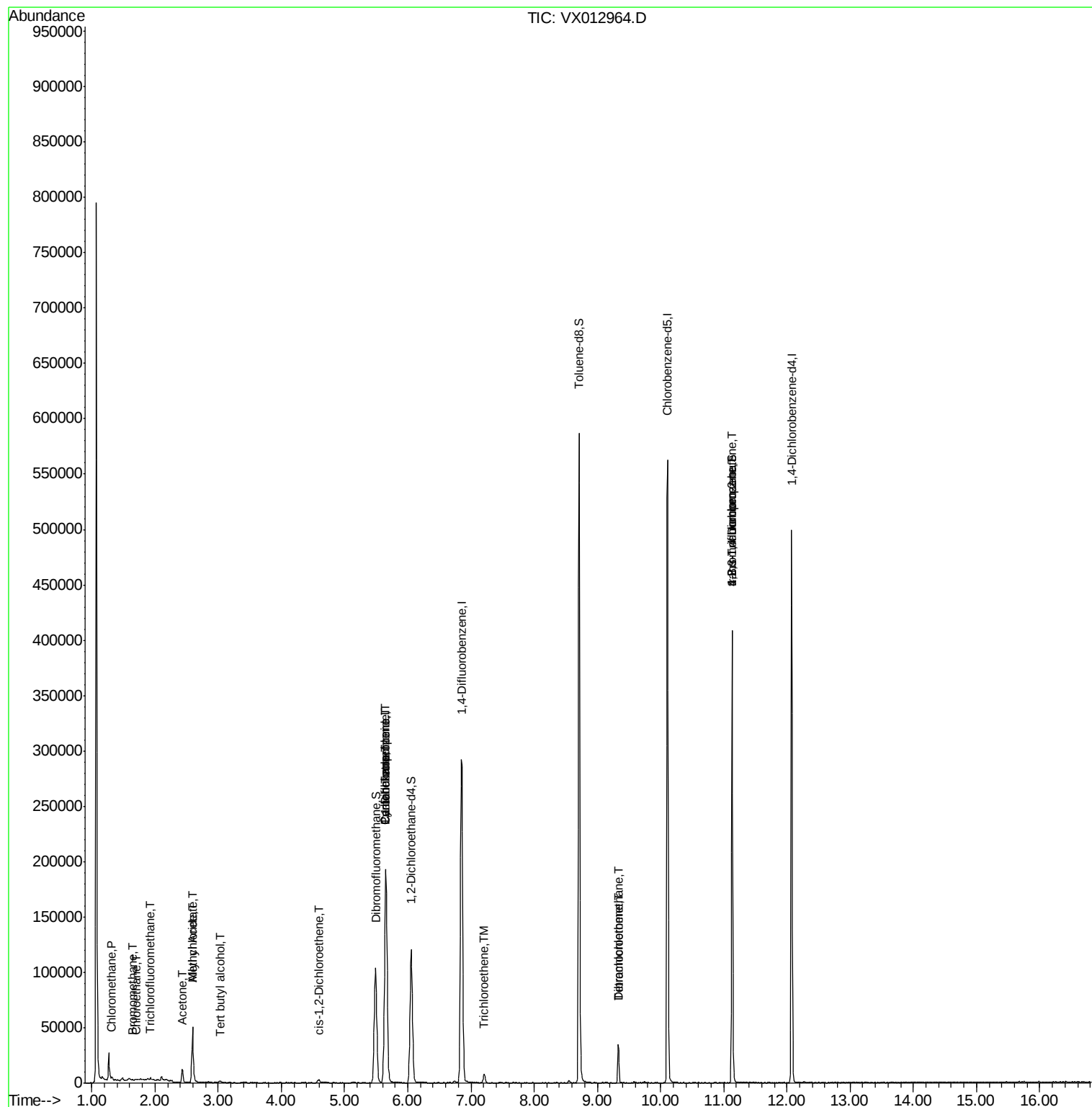
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1050	0.531	ug/l #	85
5) Bromomethane	1.64	94	348	0.410	ug/l #	48
6) Chloroethane	1.70	64	728	0.947	ug/l #	43
7) Trichlorofluoromethane	1.93	101	1081	0.392	ug/l	91
11) Tert butyl alcohol	3.03	59	1821	3.084	ug/l #	82
14) Allyl chloride	2.59	41	4993	1.557	ug/l #	61
16) Acetone	2.43	43	12877	10.967	ug/l	99
18) Methyl Acetate	2.59	43	13460	4.836	ug/l #	51
27) cis-1,2-Dichloroethene	4.59	96	1497	0.673	ug/l	93
31) Cyclohexane	5.65	56	3660	1.132	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14418	5.477	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18469	7.208	ug/l #	18
44) Trichloroethene	7.21	130	3336	1.547	ug/l	84
60) Dibromochloromethane	9.33	129	6803	4.847	ug/l #	10
64) Tetrachloroethene	9.33	164	6331	3.553	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	58702	27.398	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	58702	68.782	ug/l #	10

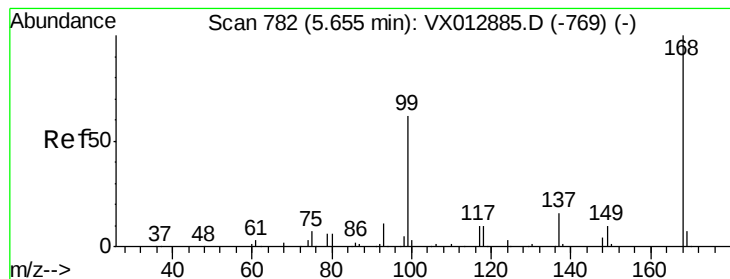
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 10 06:48:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration

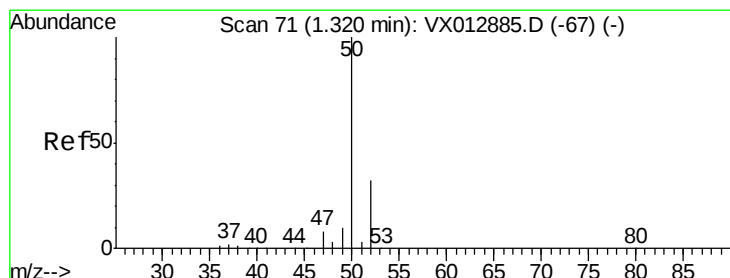
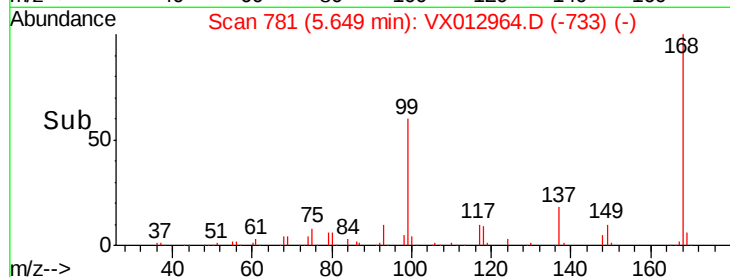
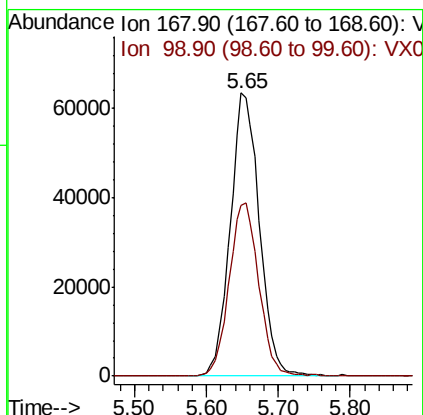
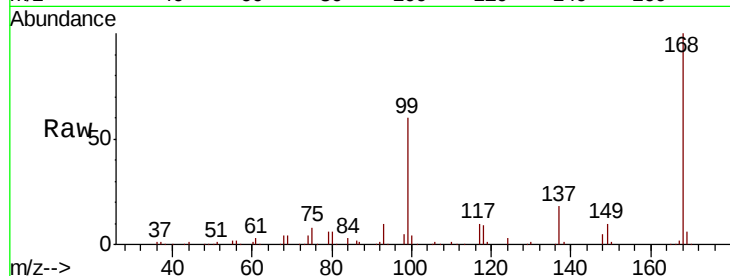




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.01 min
Lab File: VX012964.D
Acq: 10 Oct 2019 00:40

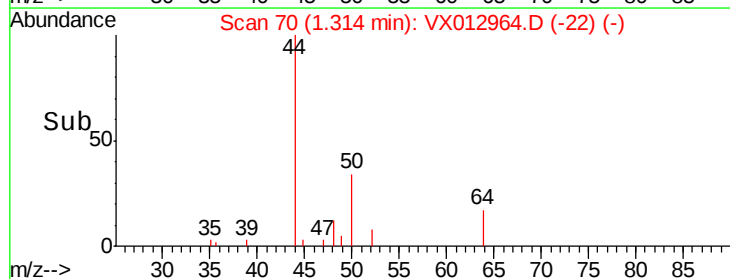
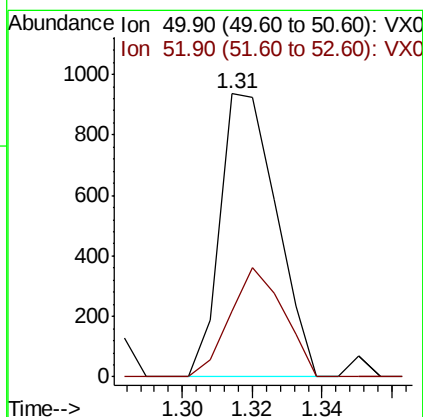
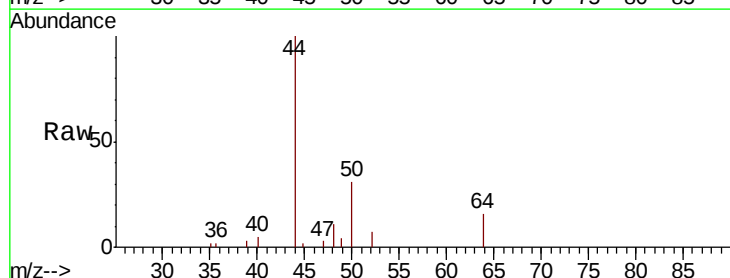
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 178223
Ion Ratio Lower Upper
168 100
99 60.3 49.4 74.0



#3
Chloromethane
Concen: 0.531 ug/l
RT: 1.31 min Scan# 70
Delta R.T. -0.01 min
Lab File: VX012964.D
Acq: 10 Oct 2019 00:40

Tgt Ion: 50 Resp: 1050
Ion Ratio Lower Upper
50 100
52 23.2 25.2 37.8#





#5

Bromomethane

Concen: 0.410 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012964.D

Acq: 10 Oct 2019 00:40

Instrument :

MSVOA_X

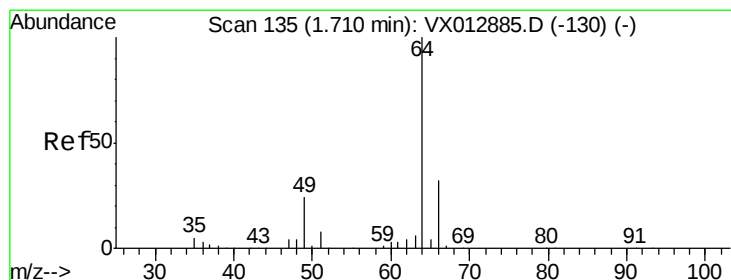
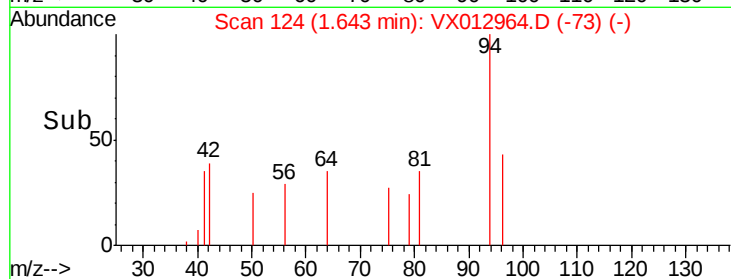
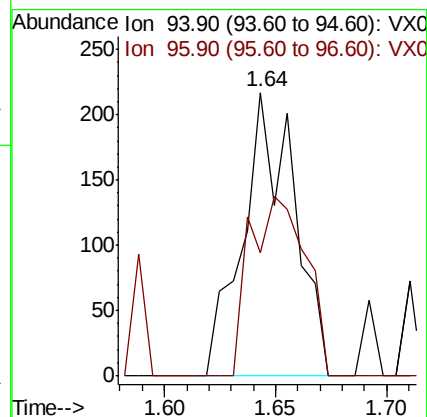
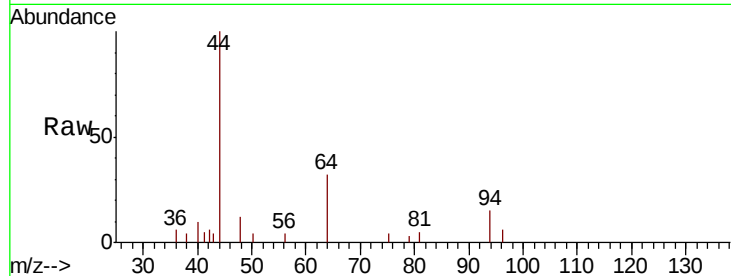
ClientSampled :

Tot Ion: 94 Resp: 348

Ion Ratio Lower Upper

94 100

96 43.3 74.7 112.1#



#6

Chloroethane

Concen: 0.947 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012964.D

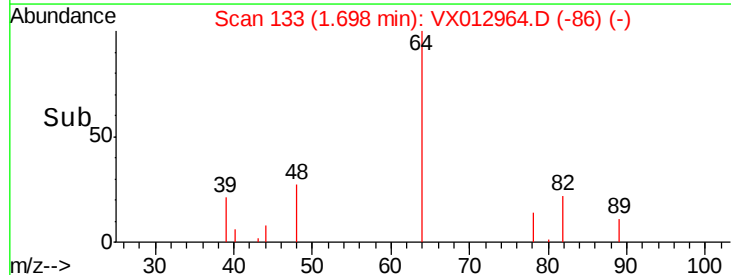
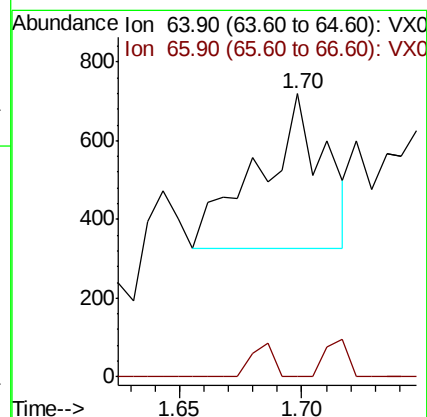
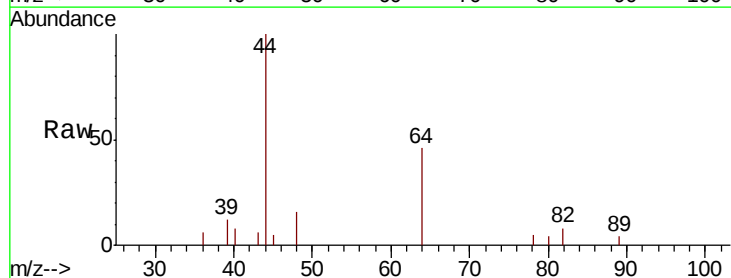
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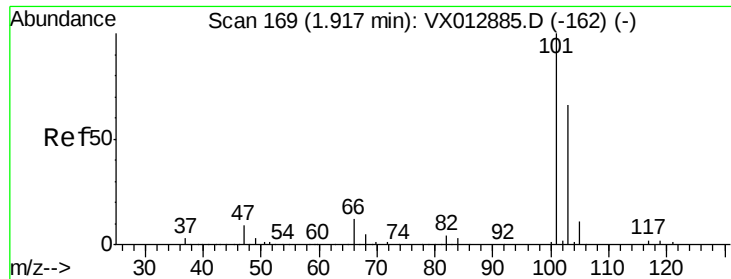
Tgt Ion: 64 Resp: 728

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



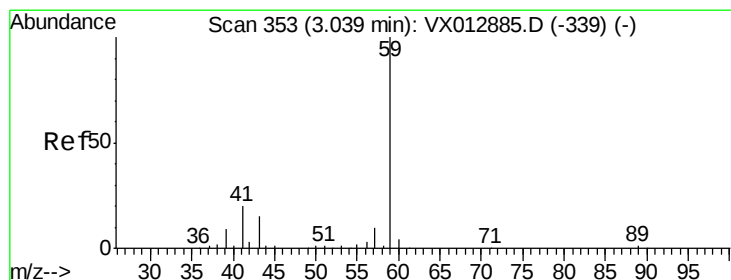
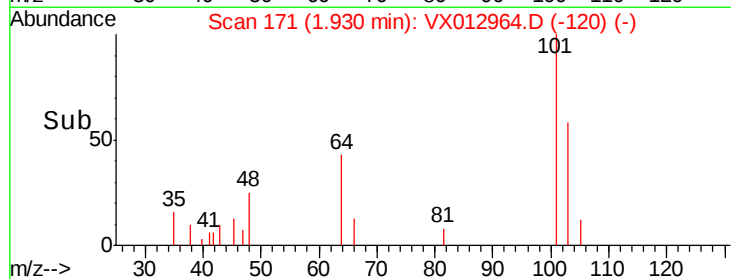
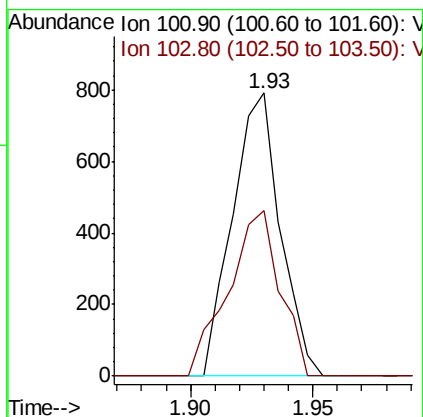
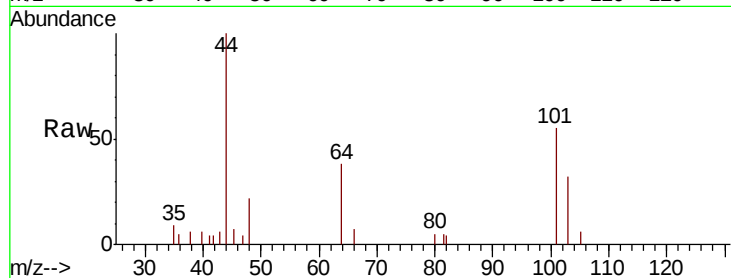


#7

Trichlorofluoromethane
 Concen: 0.392 ug/l
 RT: 1.93 min Scan# 171
 Delta R.T. 0.01 min
 Lab File: VX012964.D
 Acq: 10 Oct 2019 00:40

Instrument :
 MSVOA_X
 ClientSampled :

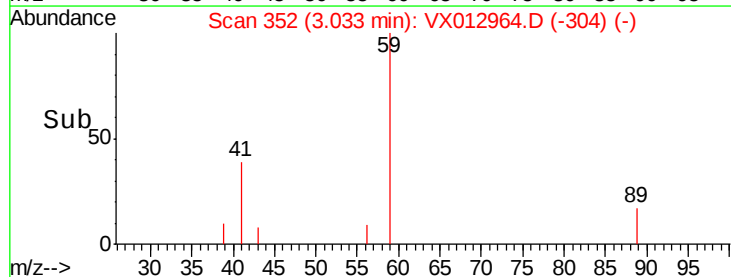
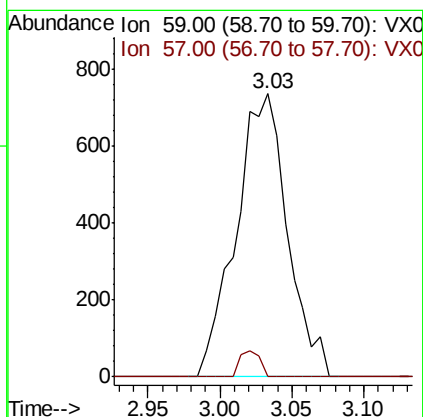
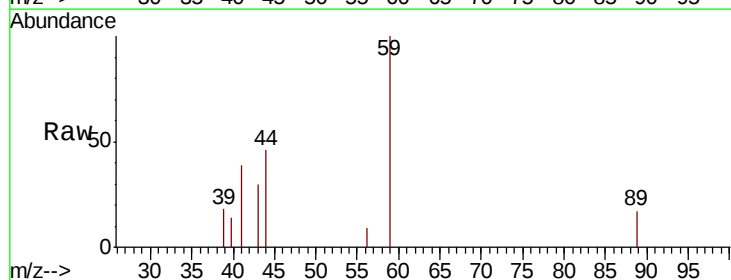
Tot Ion: 101 Resp: 1081
 Ion Ratio Lower Upper
 101 100
 103 58.4 52.5 78.7

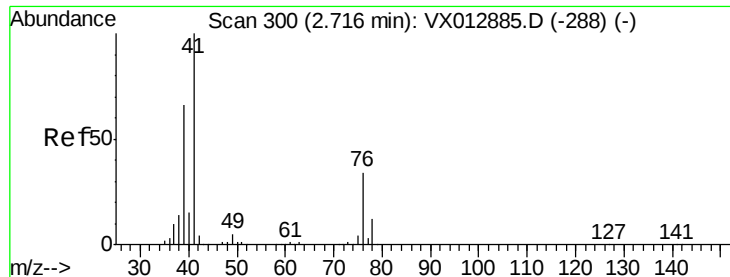


#11

Tert butyl alcohol
 Concen: 3.084 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012964.D
 Acq: 10 Oct 2019 00:40

Tgt Ion: 59 Resp: 1821
 Ion Ratio Lower Upper
 59 100
 57 3.6 8.3 12.5#

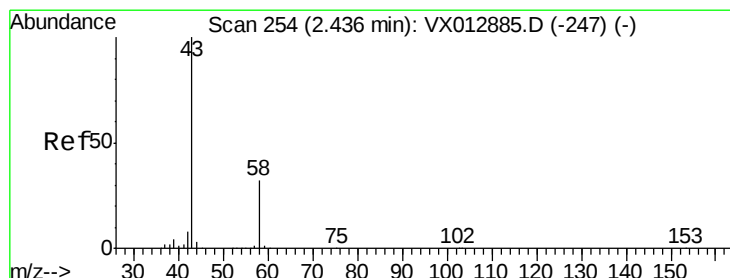
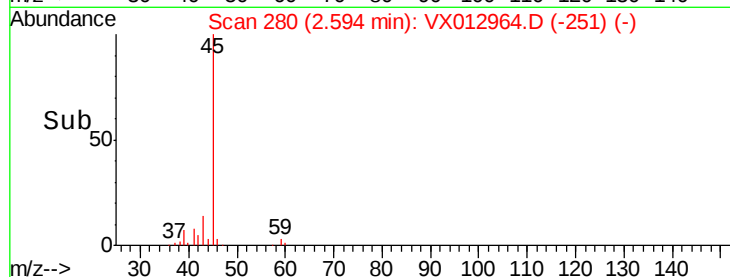
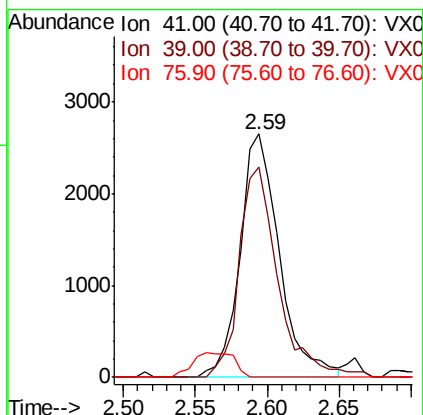
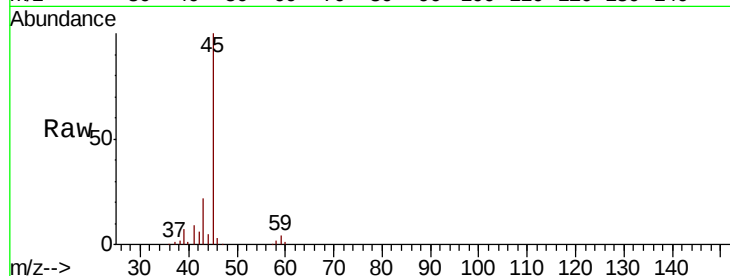




#14
Allvl chloride
Concen: 1.557 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.12 min
Lab File: VX012964.D
Acq: 10 Oct 2019 00:40

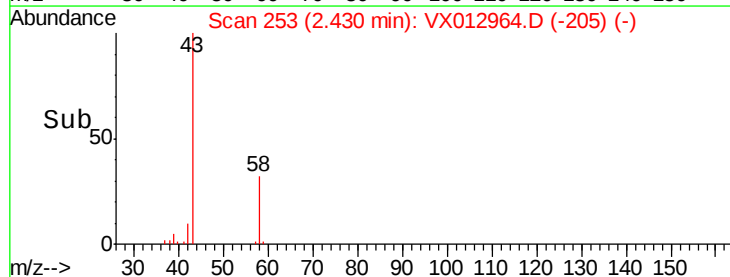
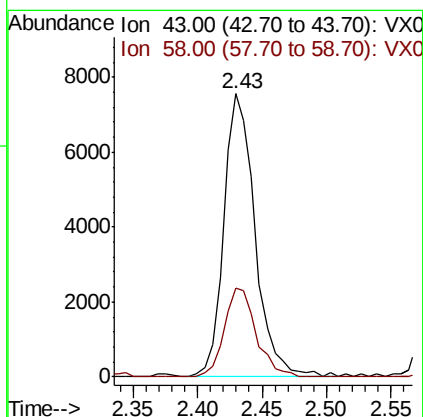
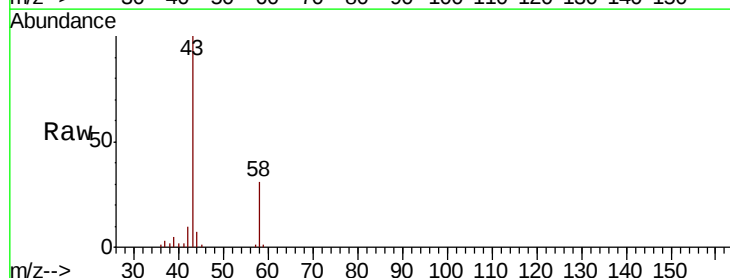
Instrument :
MSVOA_X
ClientSampled :

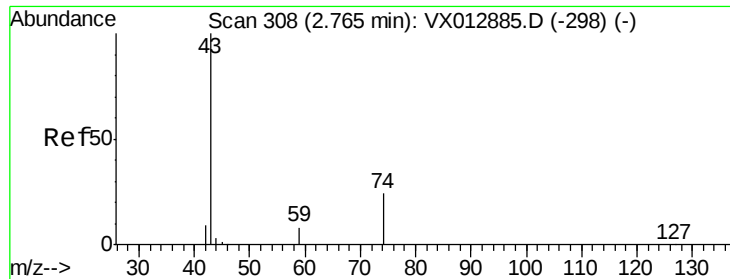
Tot Ion: 41 Resp: 4993
Ion Ratio Lower Upper
41 100
39 86.0 51.0 76.6#
76 0.0 26.2 39.4#



#16
Acetone
Concen: 10.967 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012964.D
Acq: 10 Oct 2019 00:40

Tgt Ion: 43 Resp: 12877
Ion Ratio Lower Upper
43 100
58 31.3 25.4 38.2

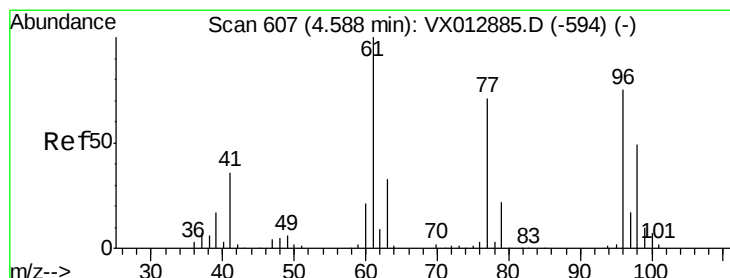
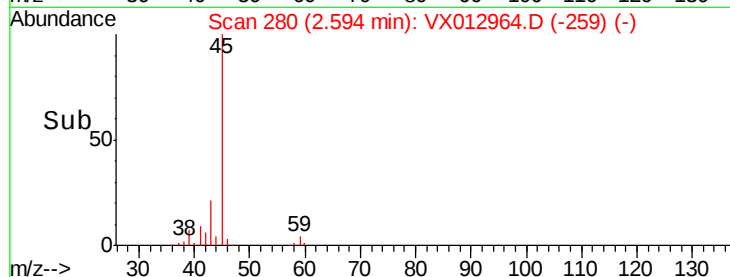
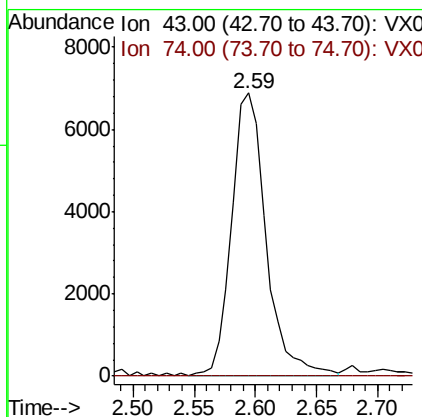
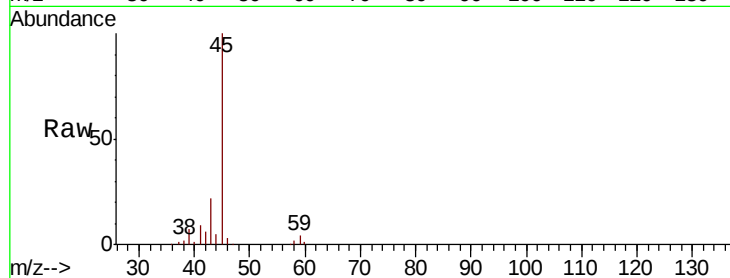




#18
Methvl Acetate
Concen: 4.836 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012964.D
Acq: 10 Oct 2019 00:40

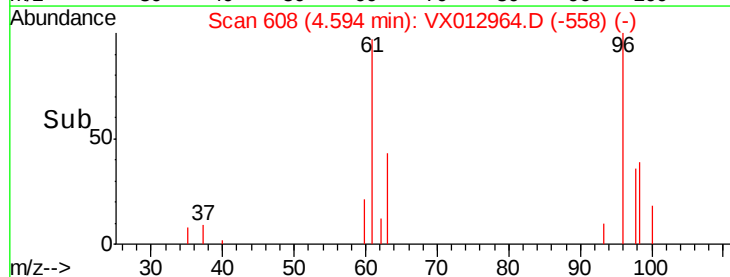
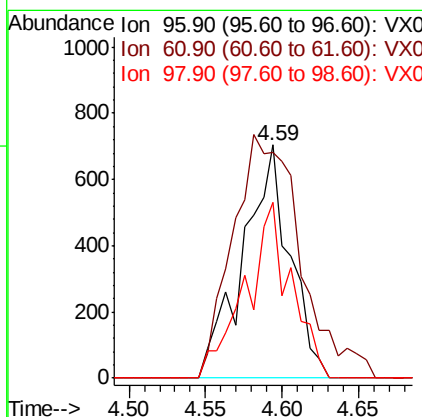
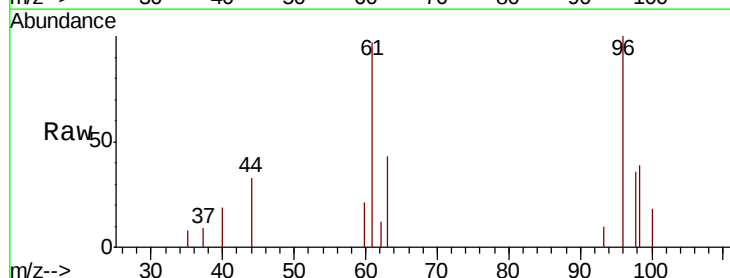
Instrument :
MSVOA_X
ClientSampleId :

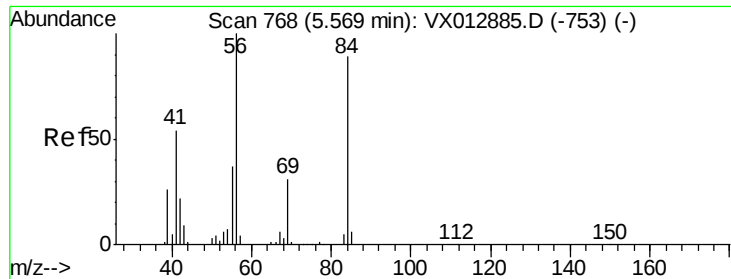
Tot Ion: 43 Resp: 13460
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#27
cis-1,2-Dichloroethene
Concen: 0.673 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX012964.D
Acq: 10 Oct 2019 00:40

Tgt Ion: 96 Resp: 1497
Ion Ratio Lower Upper
96 100
61 150.8 0.0 290.6
98 73.3 0.0 128.8

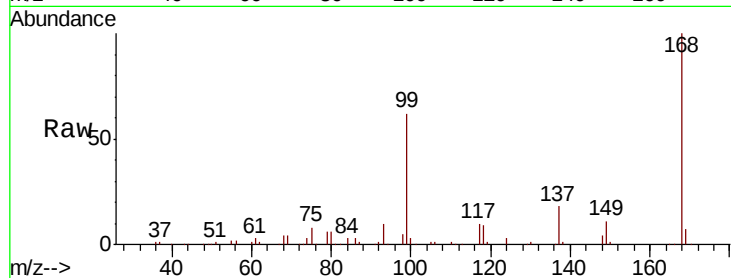




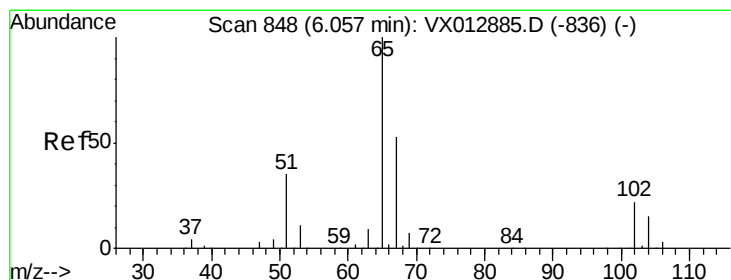
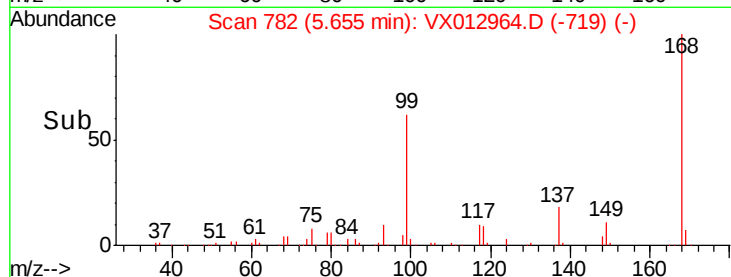
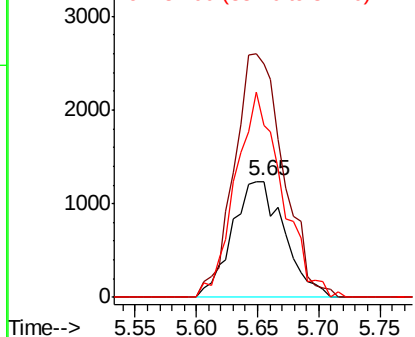
#31
Cyclohexane
Concen: 1.132 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012964.D
Acq: 10 Oct 2019 00:40

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 3660
Ion Ratio Lower Upper
56 100
69 201.5 25.2 37.8#
84 148.9 71.3 106.9#

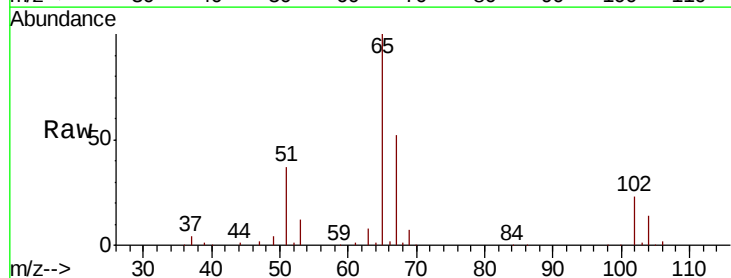


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

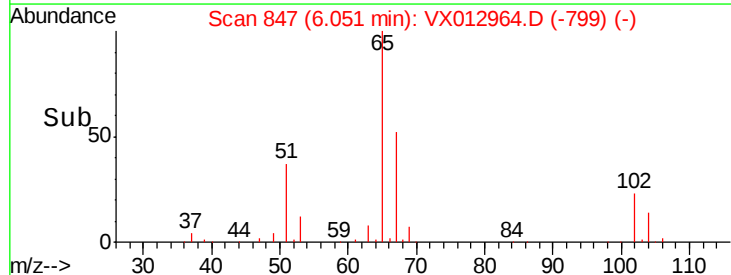
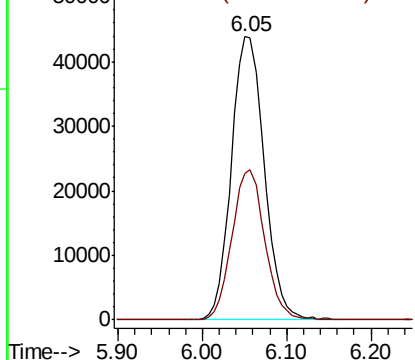


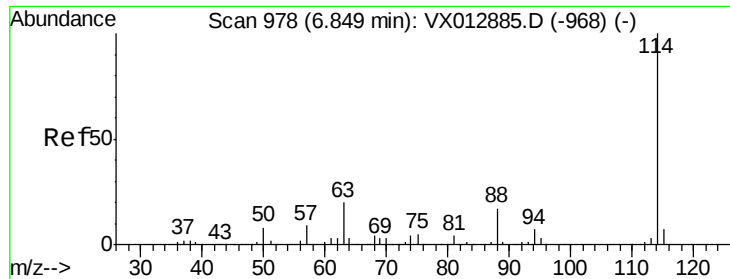
#33
1,2-Dichloroethane-d4
Concen: 52.121 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX012964.D
Acq: 10 Oct 2019 00:40

Tgt Ion: 65 Resp: 116103
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

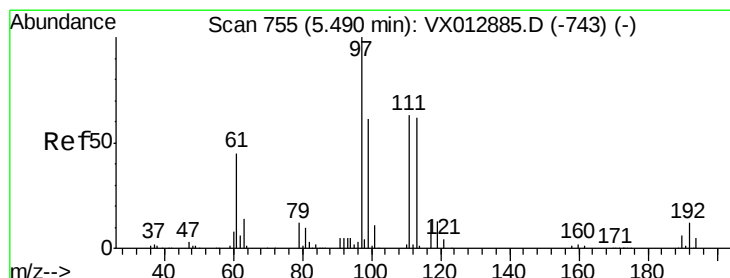
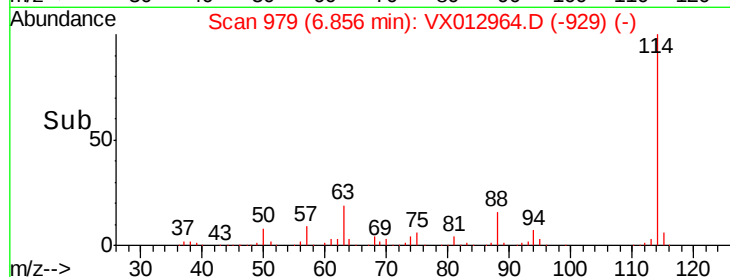
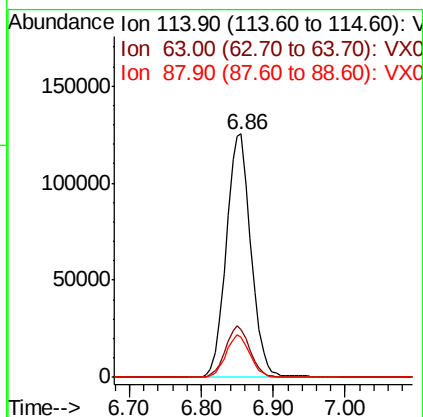
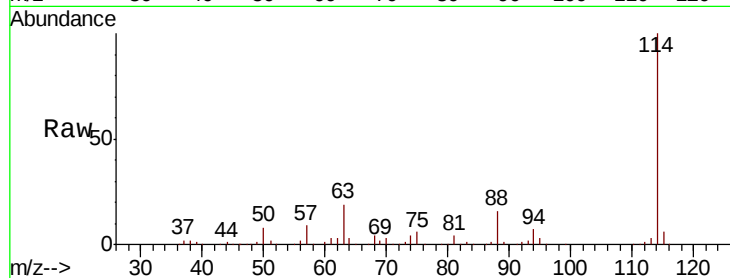




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012964.D
 Acq: 10 Oct 2019 00:40

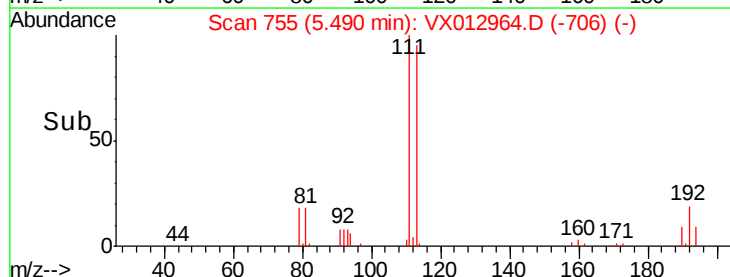
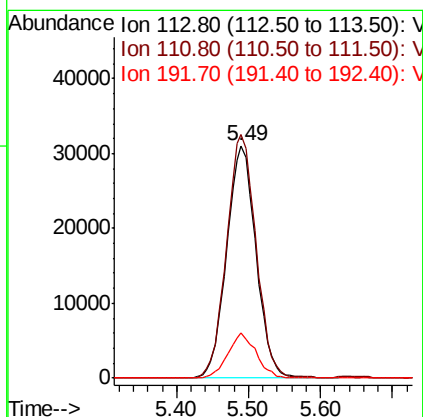
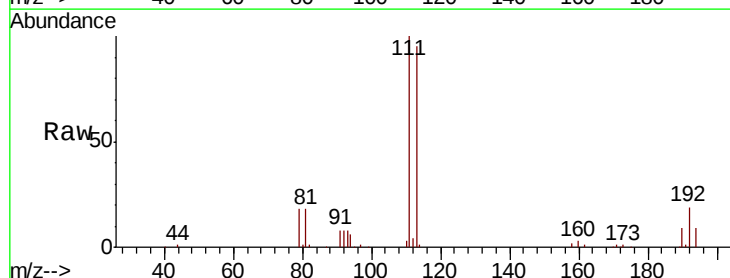
Instrument :
 MSVOA_X
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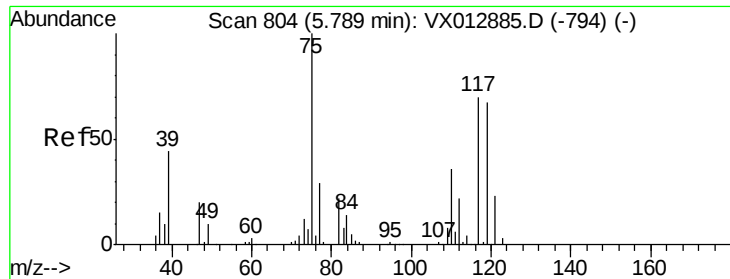
Tot Ion:114 Resp: 299399
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.8
 88 16.3 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 51.408 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012964.D
 Acq: 10 Oct 2019 00:40

Tgt Ion:113 Resp: 88339
 Ion Ratio Lower Upper
 113 100
 111 105.0 83.2 124.8
 192 18.6 15.4 23.2

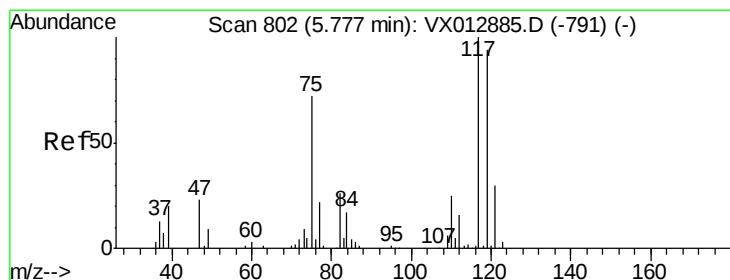
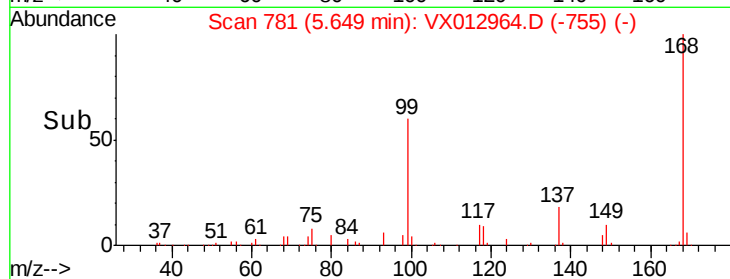
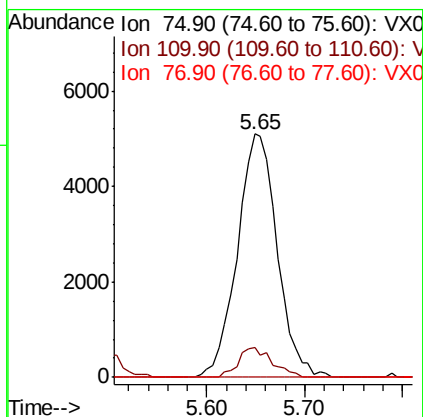
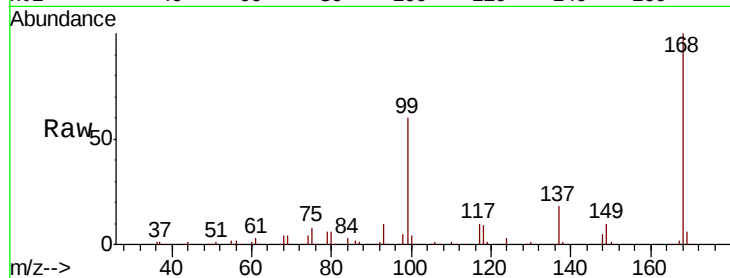




#36
 1,1-Dichloropropene
 Concen: 5.477 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012964.D
 Acq: 10 Oct 2019 00:40

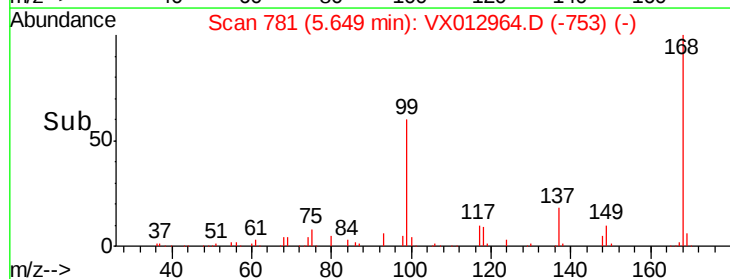
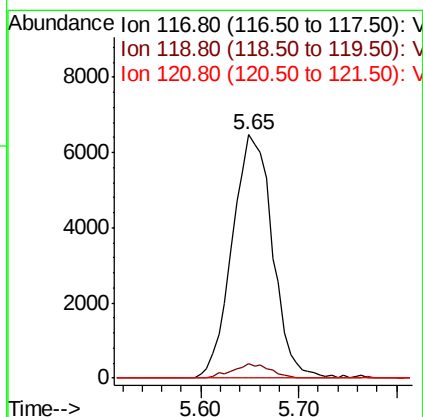
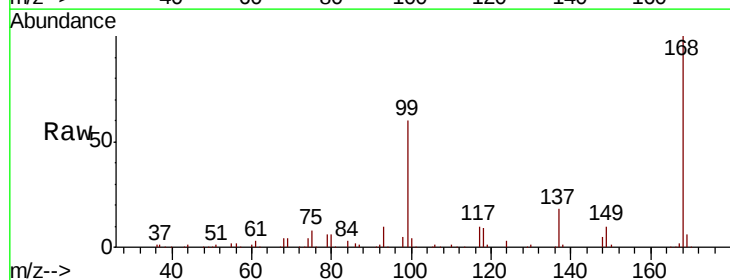
Instrument :
 MSVOA_X
 ClientSampleId :

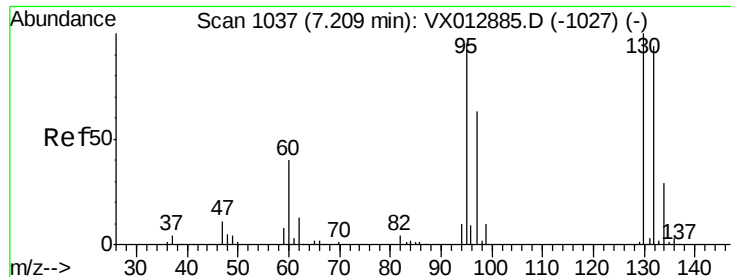
Tot Ion: 75 Resp: 14418
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.6 52.9#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 7.208 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012964.D
 Acq: 10 Oct 2019 00:40

Tgt Ion: 117 Resp: 18469
 Ion Ratio Lower Upper
 117 100
 119 6.1 74.5 111.7#
 121 0.0 24.2 36.4#

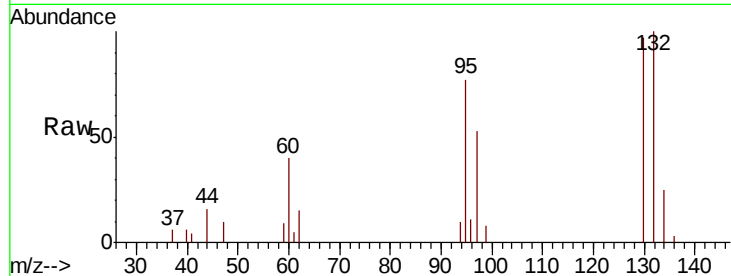




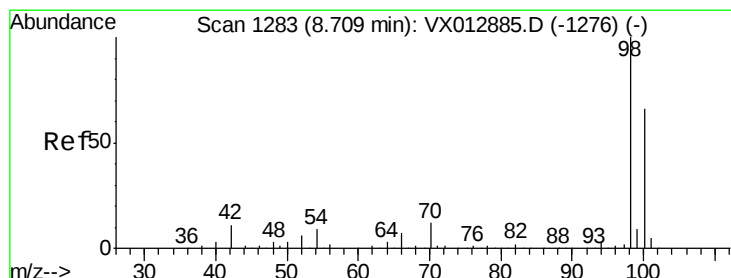
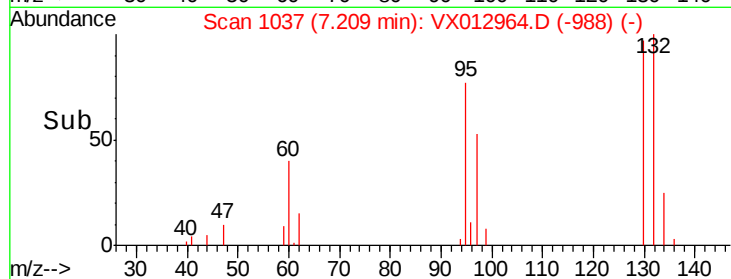
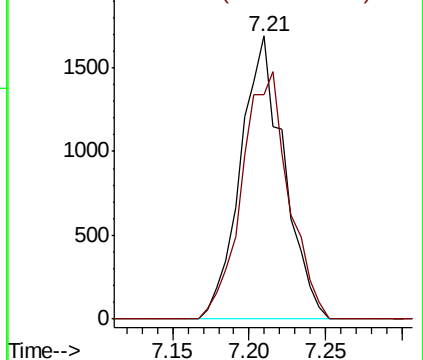
#44
 Trichloroethene
 Concen: 1.547 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX012964.D
 Acq: 10 Oct 2019 00:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 3336
 Ion Ratio Lower Upper
 130 100
 95 79.3 0.0 189.2

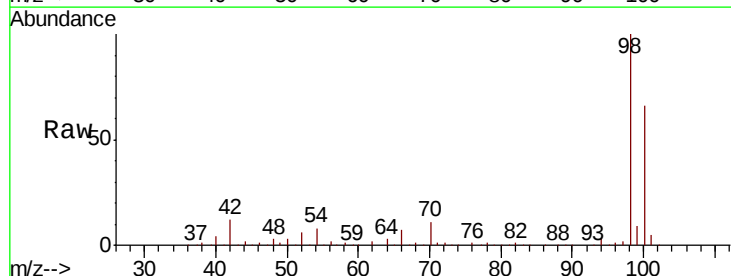


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

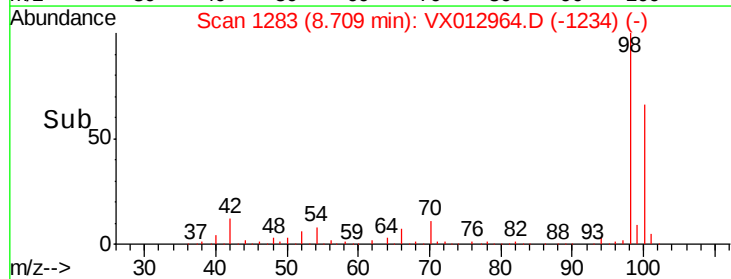
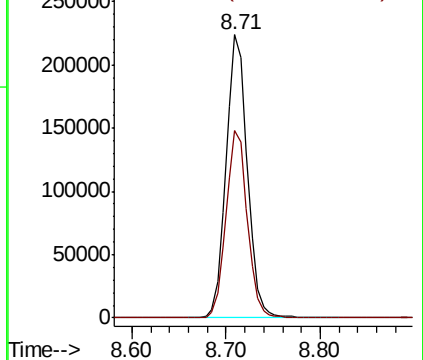


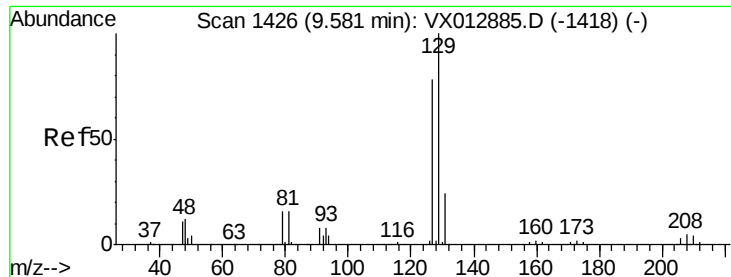
#50
 Toluene-d8
 Concen: 52.197 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012964.D
 Acq: 10 Oct 2019 00:40

Tgt Ion: 98 Resp: 349833
 Ion Ratio Lower Upper
 98 100
 100 66.3 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 4.847 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012964.D

Acq: 10 Oct 2019 00:40

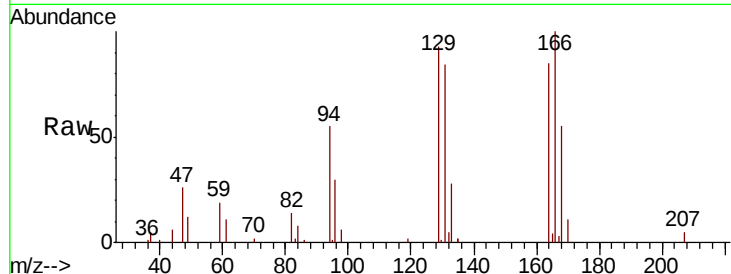
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 6803

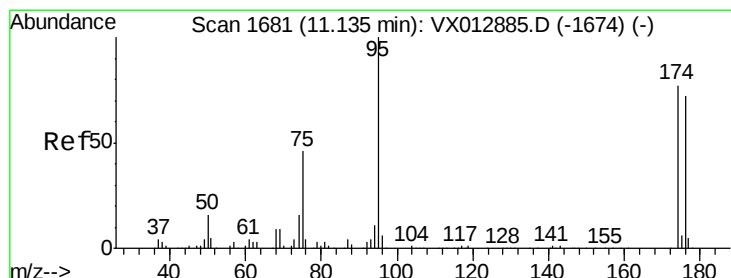
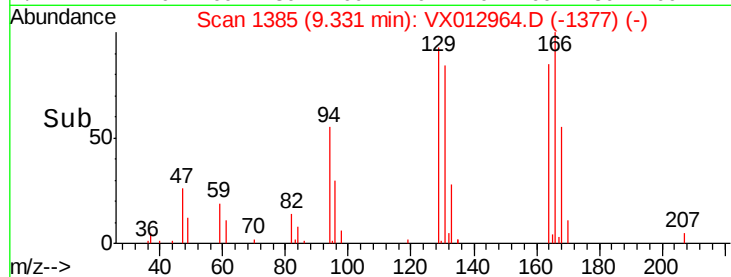
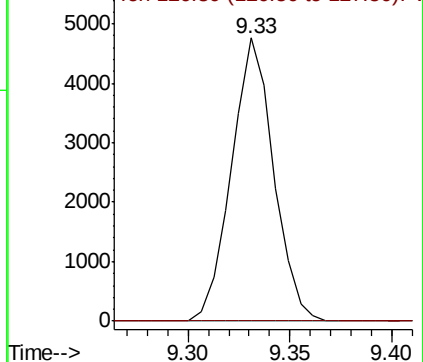
Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 45.219 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012964.D

Acq: 10 Oct 2019 00:40

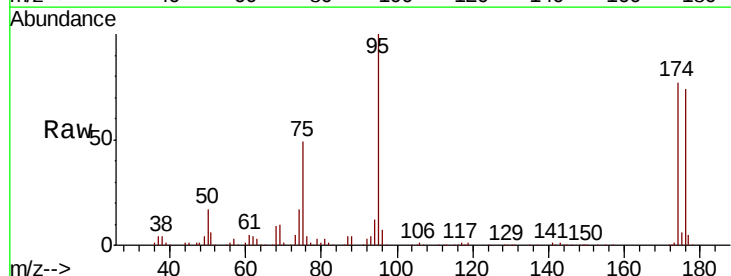
Tgt Ion: 95 Resp: 117758

Ion Ratio Lower Upper

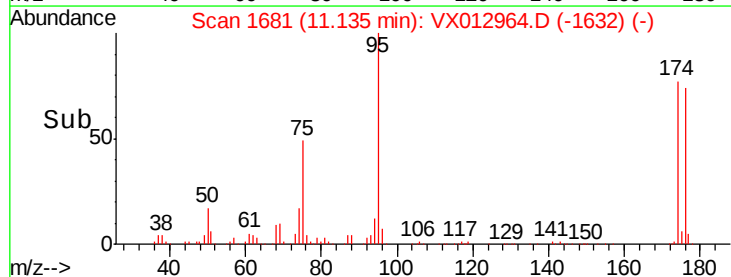
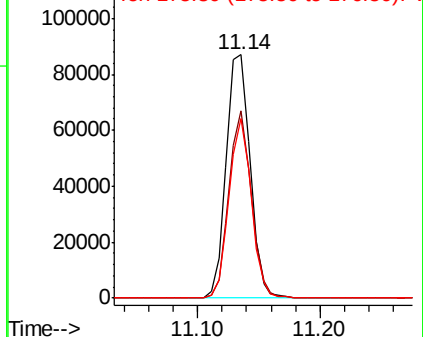
95 100

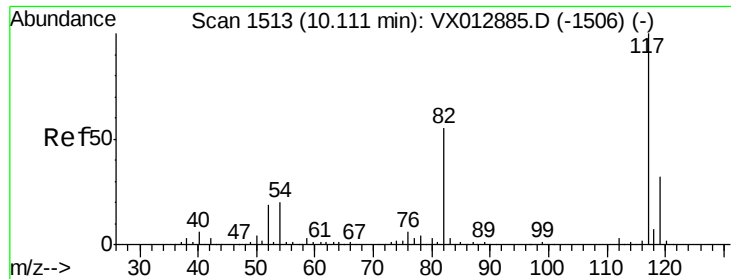
174 72.1 0.0 143.4

176 68.6 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

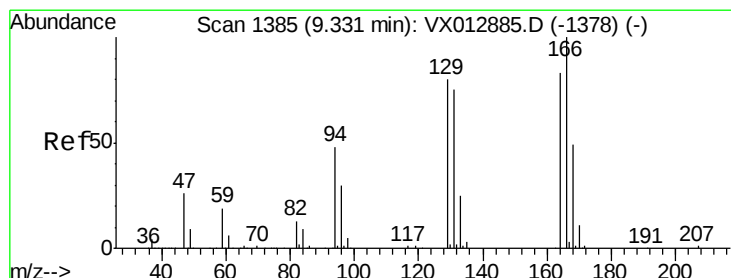
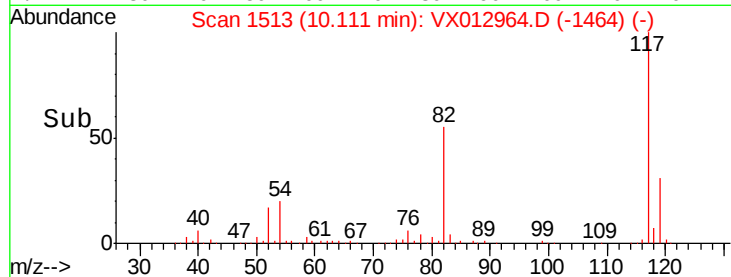
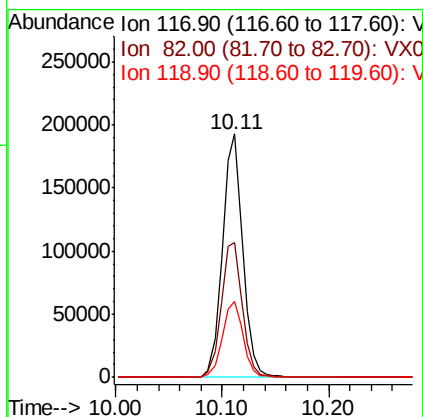
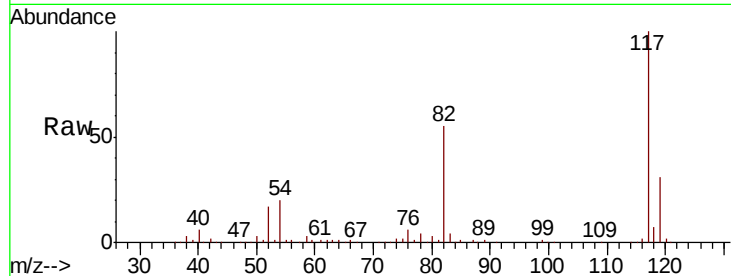




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012964.D
Acq: 10 Oct 2019 00:40

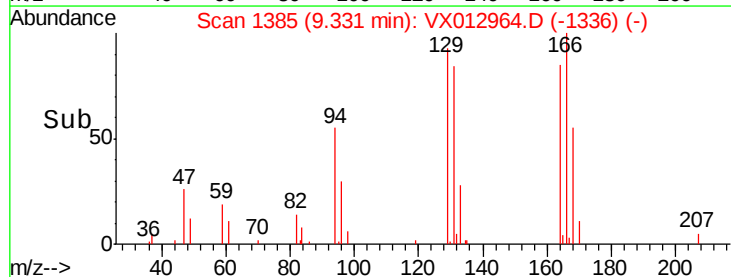
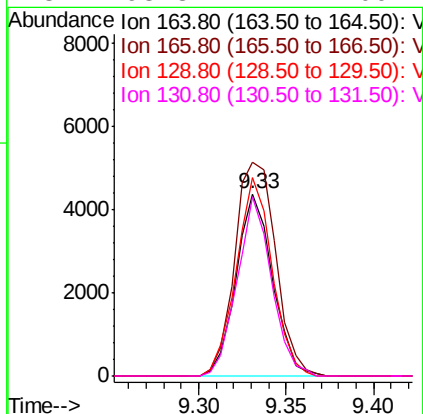
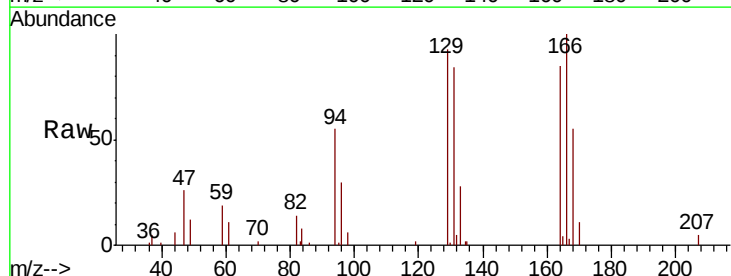
Instrument :
MSVOA_X
ClientSampled :

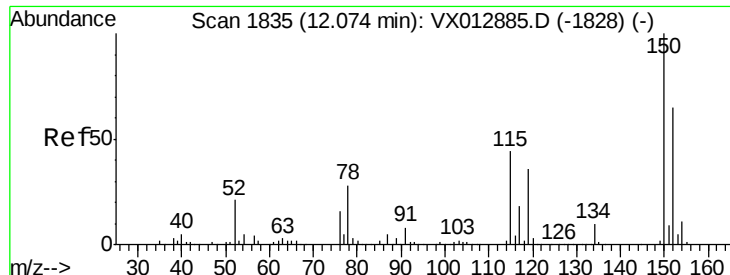
Tot Ion:117 Resp: 256907
Ion Ratio Lower Upper
117 100
82 55.1 44.1 66.1
119 31.3 25.8 38.8



#64
Tetrachloroethene
Concen: 3.553 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012964.D
Acq: 10 Oct 2019 00:40

Tgt Ion:164 Resp: 6331
Ion Ratio Lower Upper
164 100
166 117.3 96.9 145.3
129 108.9 77.9 116.9
131 98.3 72.7 109.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012964.D

Acq: 10 Oct 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

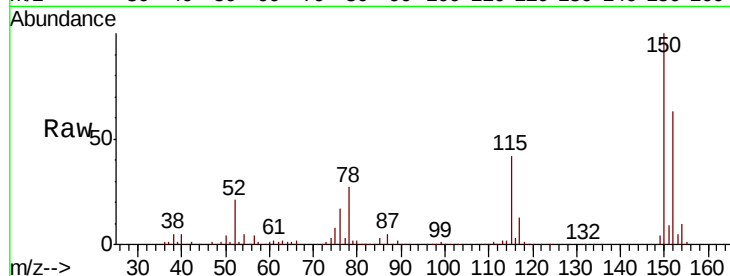
Tot Ion:152 Resp: 96600

Ion Ratio Lower Upper

152 100

115 66.2 44.5 133.5

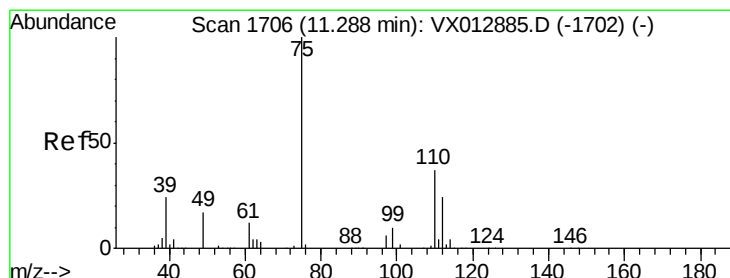
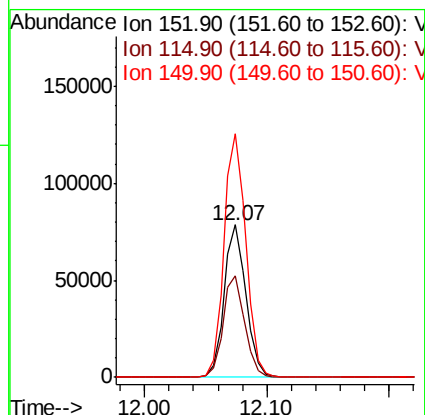
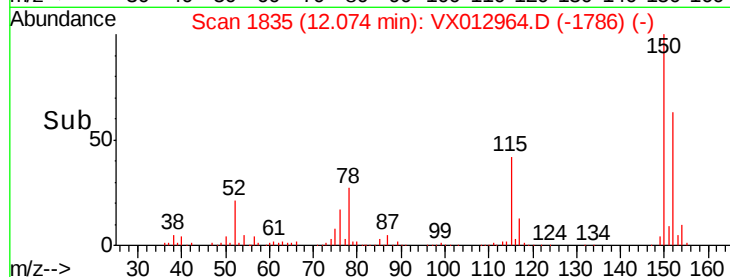
150 160.4 0.0 353.4



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: 27.398 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012964.D

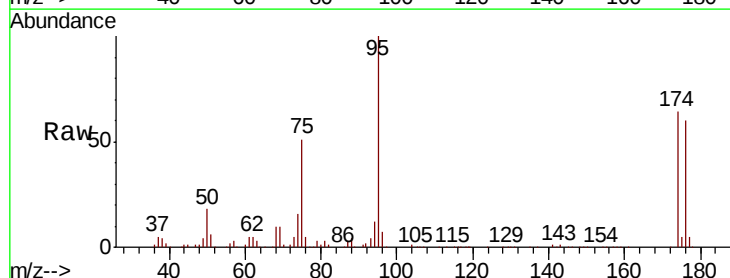
Acq: 10 Oct 2019 00:40

Tgt Ion: 75 Resp: 58702

Ion Ratio Lower Upper

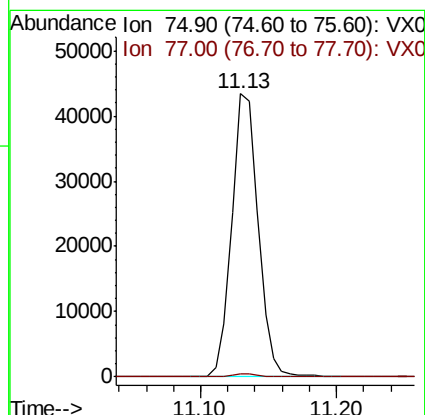
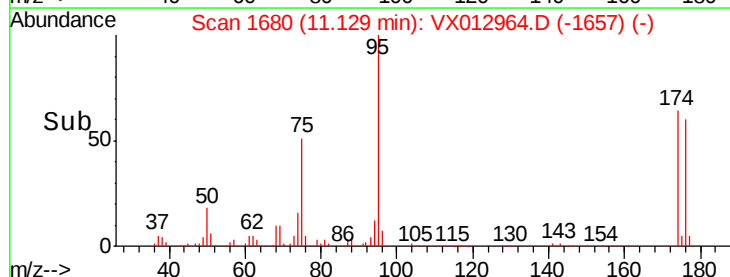
75 100

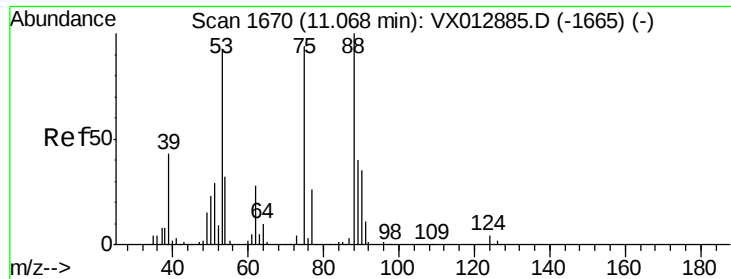
77 1.1 22.9 68.8#



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: 68.782 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012964.D

Acq: 10 Oct 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

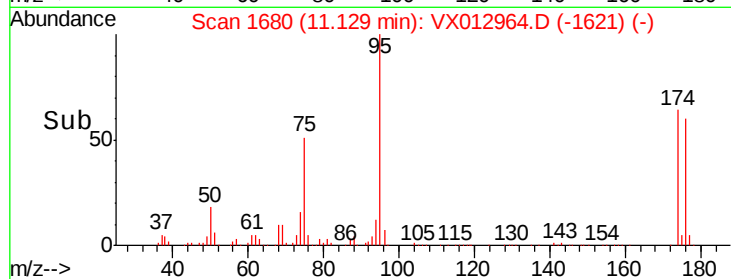
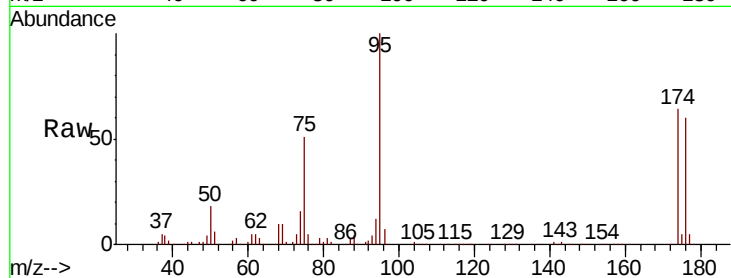
Tot Ion: 75 Resp: 58702

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 37.4 56.2#



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

