

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012894.D
 Acq On : 08 Oct 2019 17:04
 Operator : JC/SP
 Sample : K5122-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 09 02:10:25 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	178848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	298679	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99706	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	115061	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
35) Dibromofluoromethane	5.49	113	89750	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
50) Toluene-d8	8.71	98	348353	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	11.14	95	120282	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	

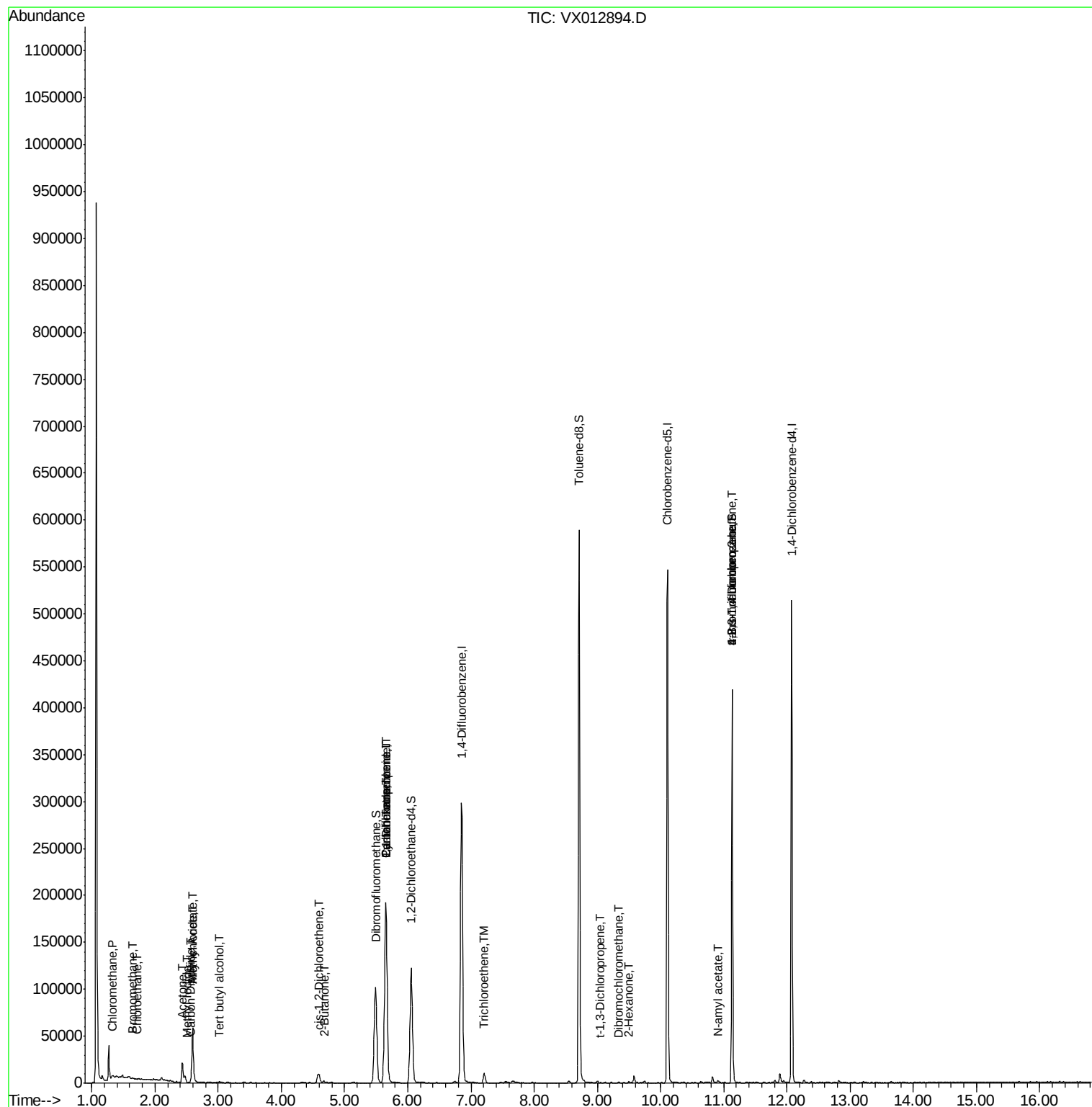
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1236	0.623	ug/l	89
5) Bromomethane	1.64	94	415	0.488	ug/l	89
6) Chloroethane	1.72	64	661	0.892	ug/l #	43
10) Methyl Iodide	2.51	142	218	5.178	ug/l #	40
11) Tert butyl alcohol	3.03	59	1270	2.143	ug/l #	84
14) Allyl chloride	2.59	41	5124	1.592	ug/l #	61
16) Acetone	2.43	43	21555	18.294	ug/l	96
17) Carbon Disulfide	2.56	76	2511	0.487	ug/l #	94
18) Methyl Acetate	2.59	43	14903	5.336	ug/l #	51
25) 2-Butanone	4.67	43	3212	1.965	ug/l #	83
27) cis-1,2-Dichloroethene	4.59	96	6433	2.881	ug/l	90
31) Cyclohexane	5.65	56	3864	1.191	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14097	5.368	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18772	7.344	ug/l #	17
44) Trichloroethene	7.21	130	4170	1.939	ug/l	89
53) t-1,3-Dichloropropene	9.04	75	104	2.200	ug/l #	42
59) 2-Hexanone	9.50	43	807	0.353	ug/l	69
60) Dibromochloromethane	9.34	129	90	1.897	ug/l #	10
74) N-amyl acetate	10.90	43	940	0.298	ug/l #	87
76) 1,2,3-Trichloropropane	11.13	75	59391	26.856	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	59391	67.503	ug/l #	10

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

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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: VX012894.D

Acq: 08 Oct 2019 17:04

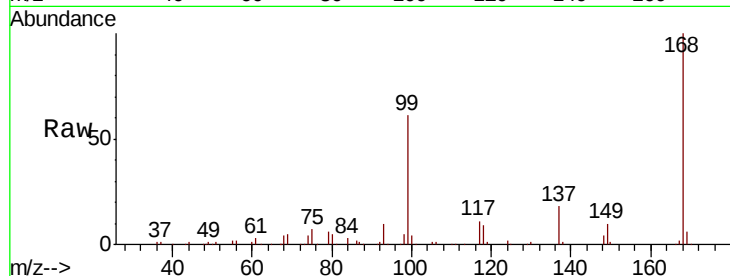
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 178848

Ion Ratio Lower Upper

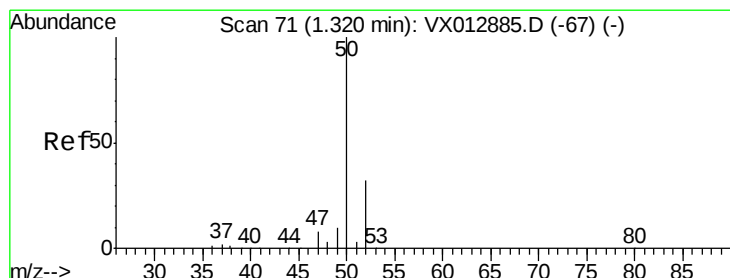
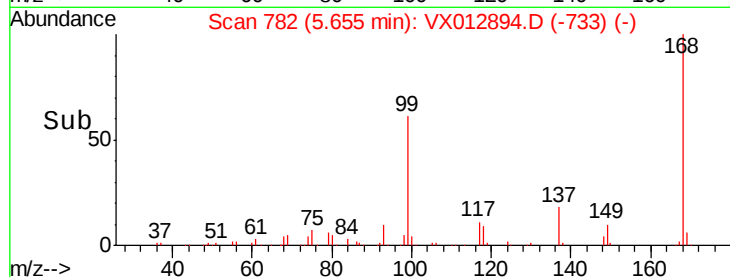
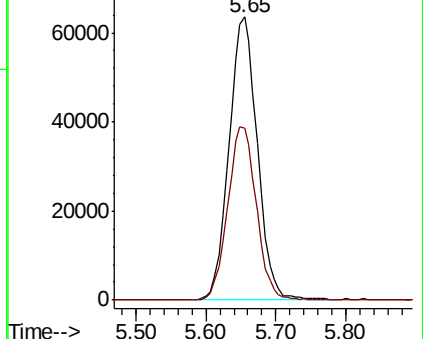
168 100

99 60.9 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: 0.623 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012894.D

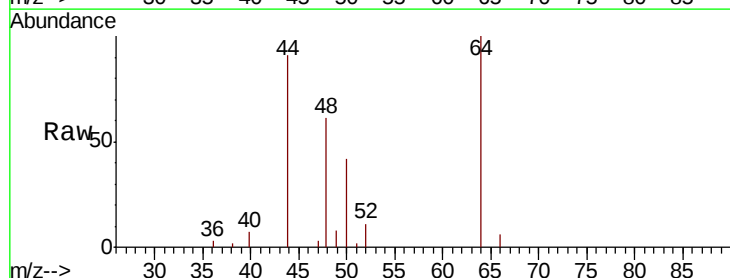
Acq: 08 Oct 2019 17:04

Tgt Ion: 50 Resp: 1236

Ion Ratio Lower Upper

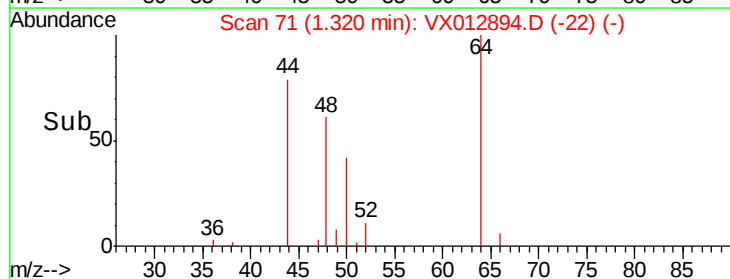
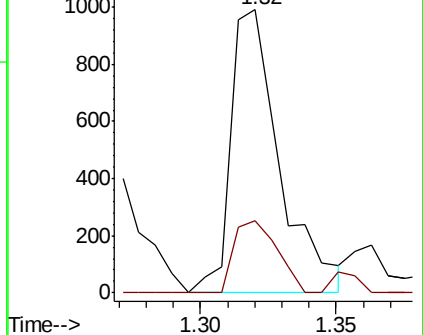
50 100

52 25.3 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: 0.488 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

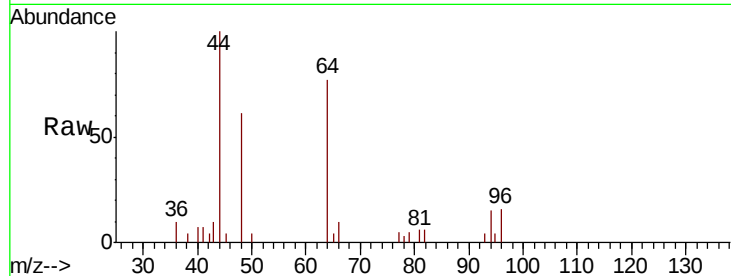
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 415

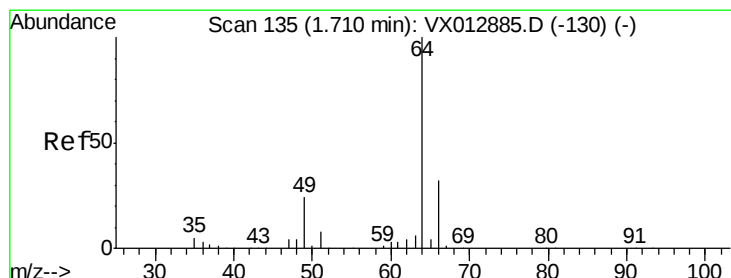
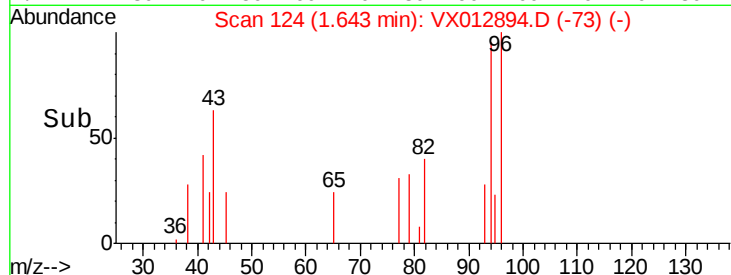
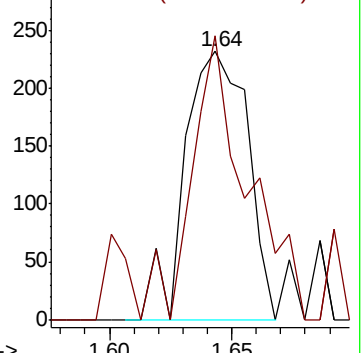
Ion Ratio Lower Upper

94 100

96 82.8 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: 0.892 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012894.D

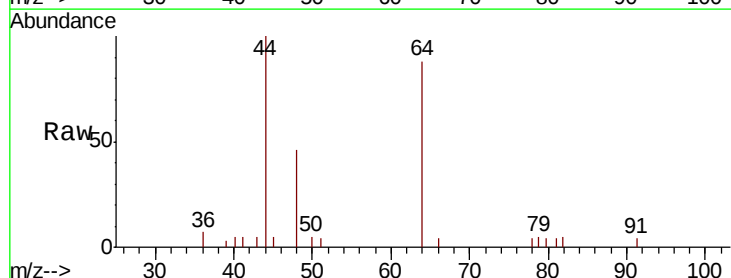
Acq: 08 Oct 2019 17:04

Tgt Ion: 64 Resp: 661

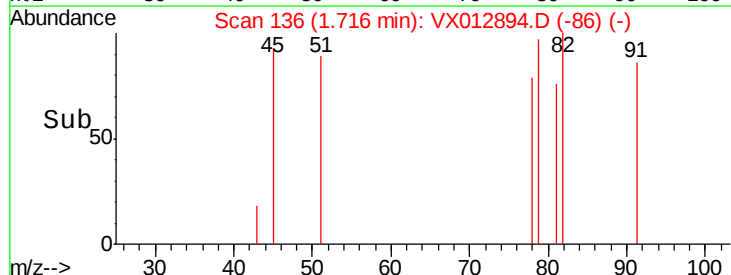
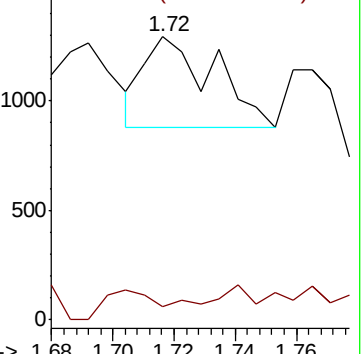
Ion Ratio Lower Upper

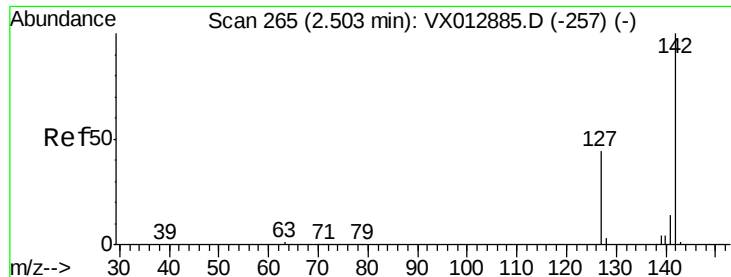
64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0

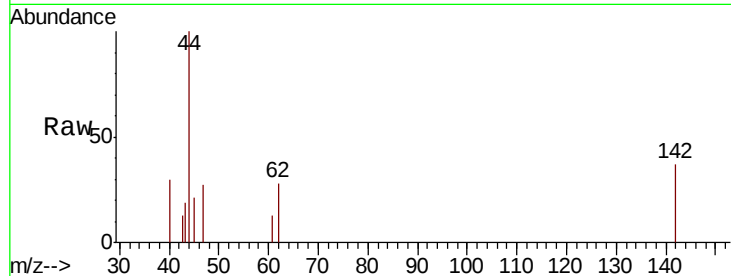




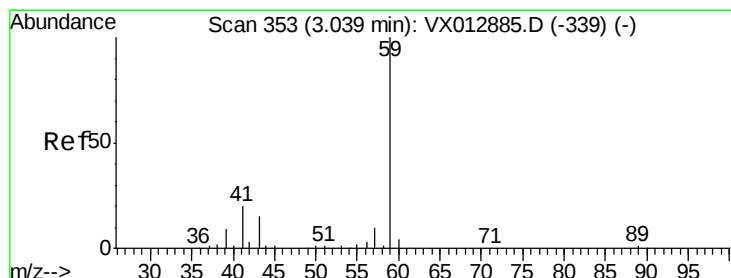
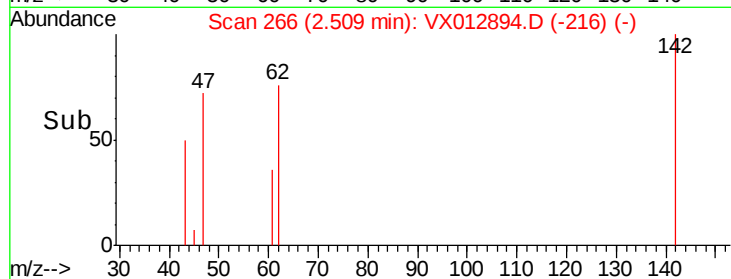
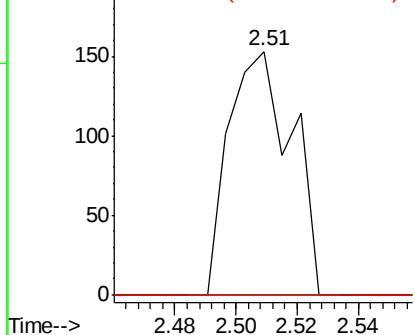
#10
Methyl Iodide
Concen: 5.178 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 218
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#

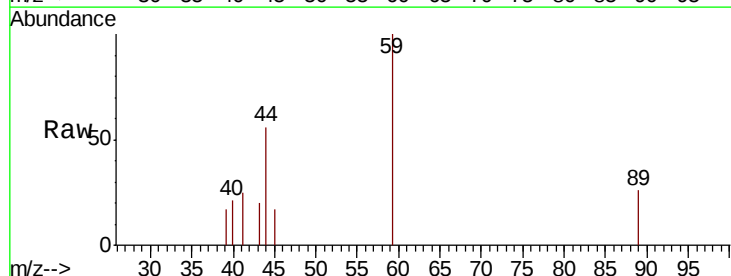


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

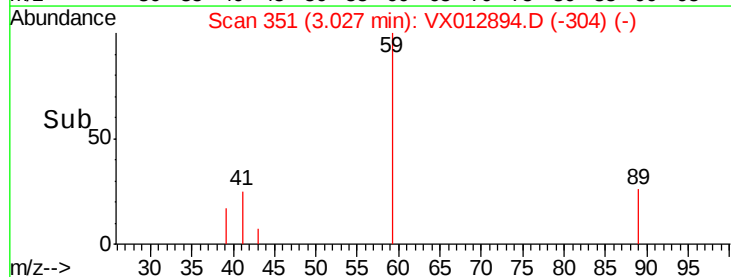
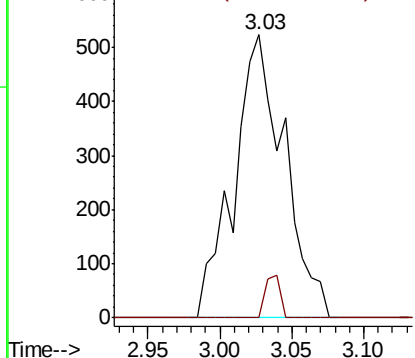


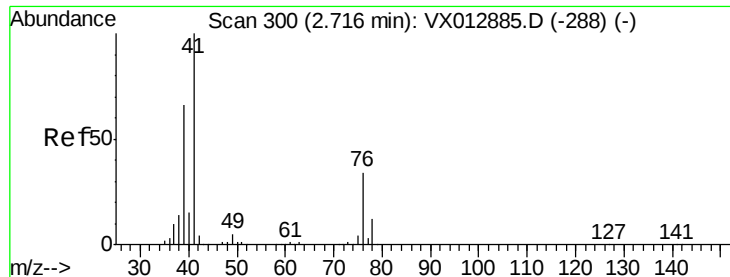
#11
Tert butyl alcohol
Concen: 2.143 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Tgt Ion: 59 Resp: 1270
Ion Ratio Lower Upper
59 100
57 4.3 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

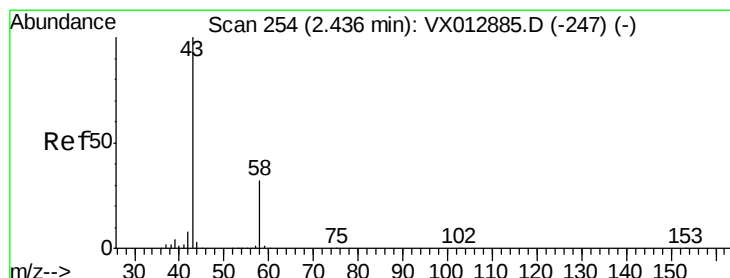
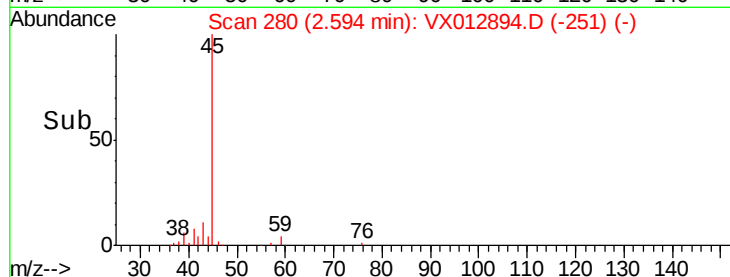
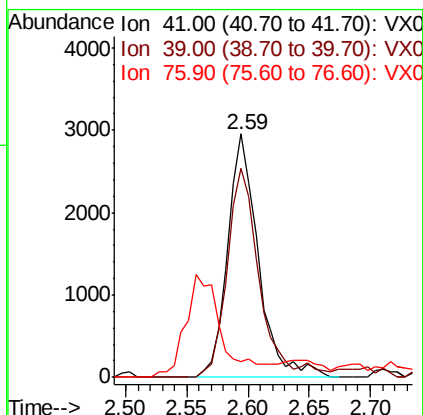
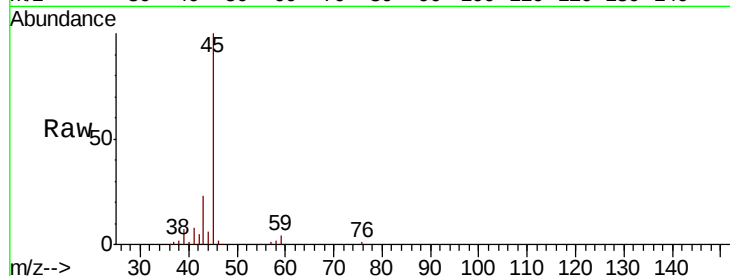




#14
Allvl chloride
Concen: 1.592 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.12 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

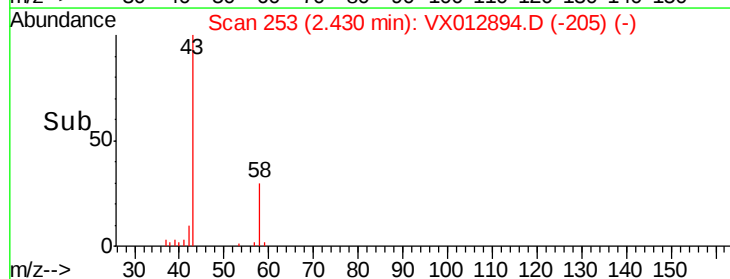
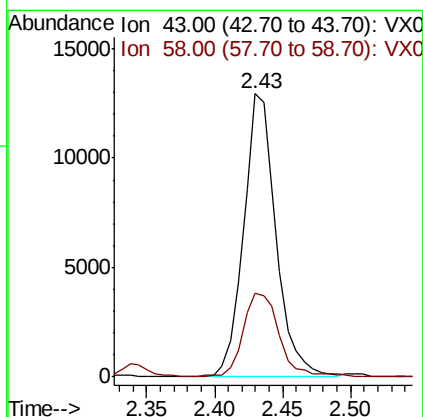
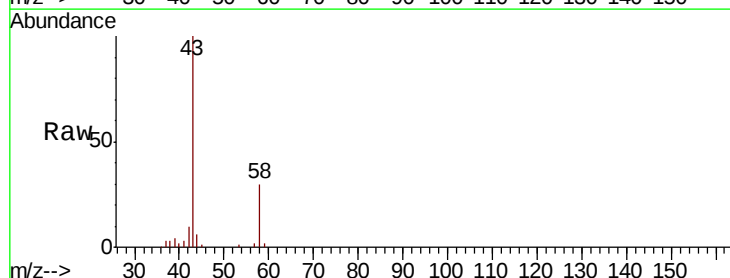
Instrument :
MSVOA_X
ClientSampleId :

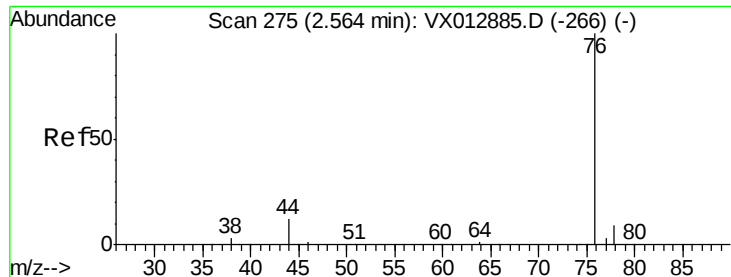
Tot Ion: 41 Resp: 5124
Ion Ratio Lower Upper
41 100
39 86.4 51.0 76.6#
76 0.0 26.2 39.4#



#16
Acetone
Concen: 18.294 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Tgt Ion: 43 Resp: 21555
Ion Ratio Lower Upper
43 100
58 29.6 25.4 38.2

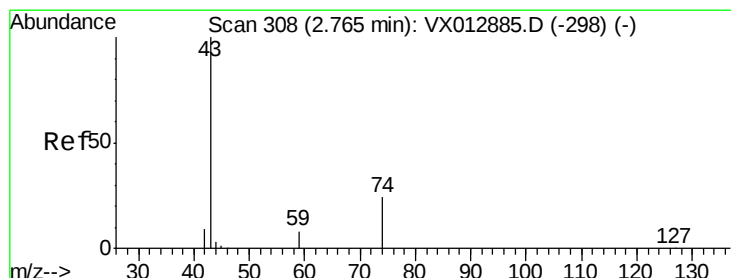
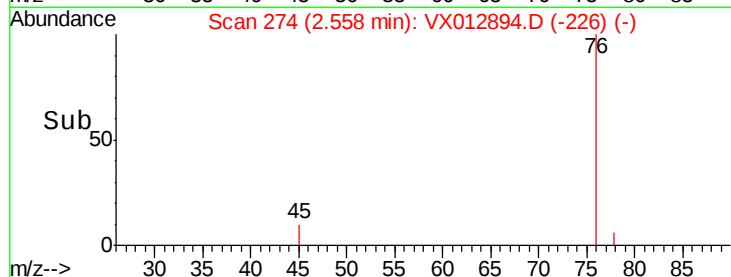
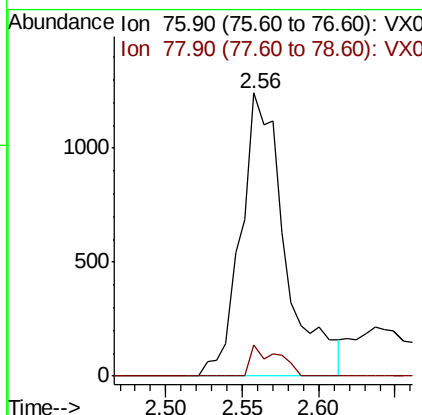
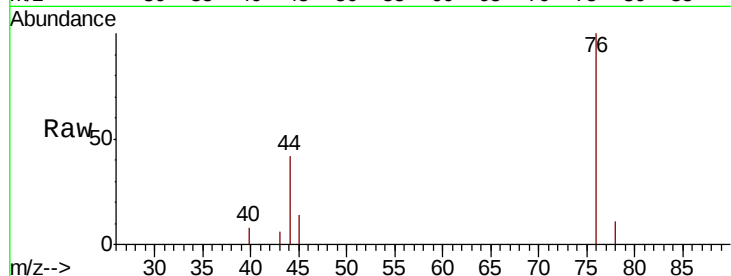




#17
Carbon Disulfide
Concen: 0.487 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

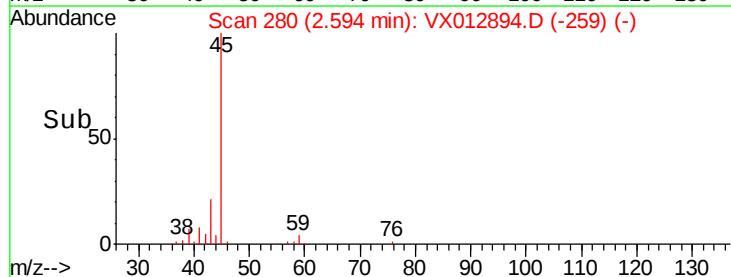
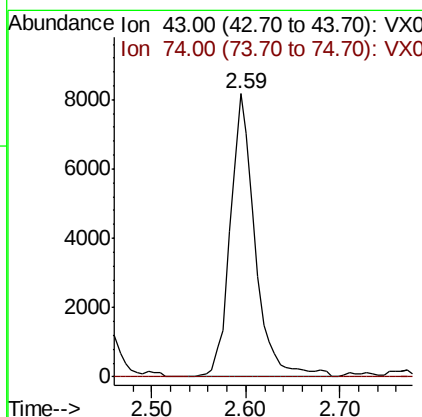
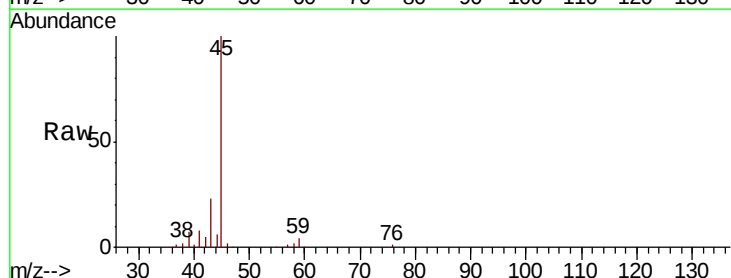
Instrument :
MSVOA_X
ClientSampled :

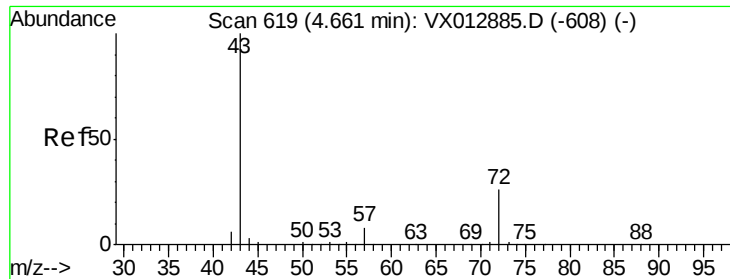
Tot Ion: 76 Resp: 2511
Ion Ratio Lower Upper
76 100
78 11.0 7.1 10.7#



#18
Methyl Acetate
Concen: 5.336 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Tgt Ion: 43 Resp: 14903
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#





#25

2-Butanone

Concen: 1.965 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :

MSVOA_X

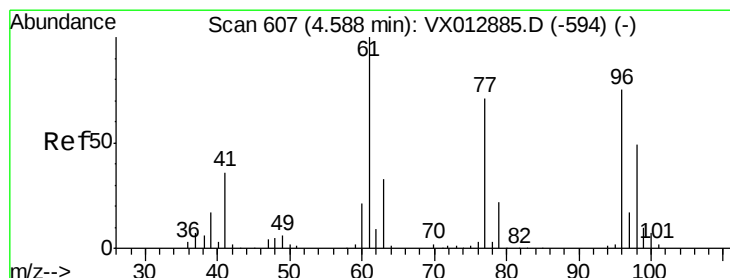
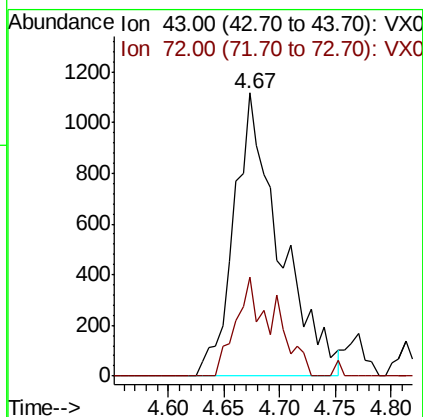
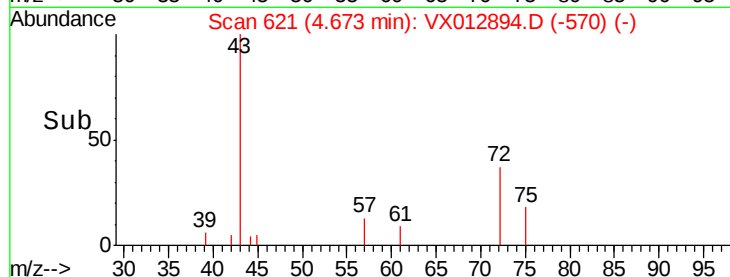
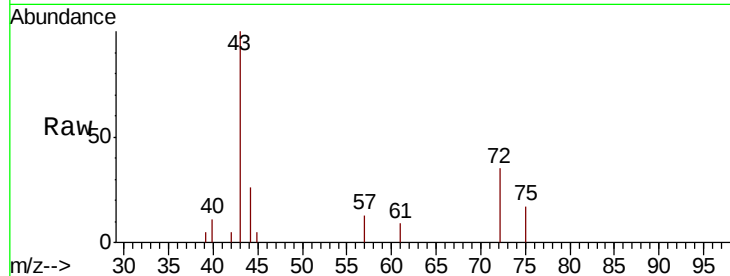
ClientSampled :

Tot Ion: 43 Resp: 3212

Ion Ratio Lower Upper

43 100

72 34.9 21.0 31.6#



#27

cis-1,2-Dichloroethene

Concen: 2.881 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

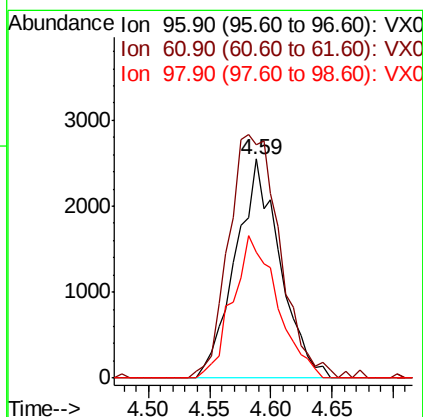
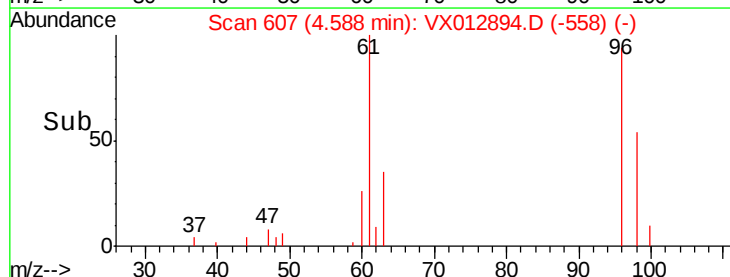
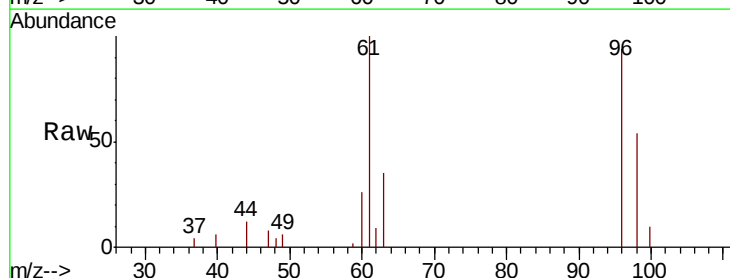
Tgt Ion: 96 Resp: 6433

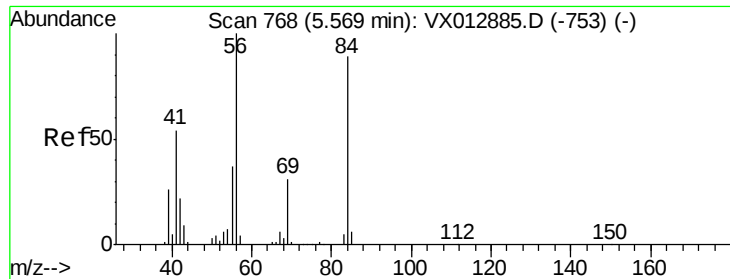
Ion Ratio Lower Upper

96 100

61 128.1 0.0 290.6

98 65.6 0.0 128.8

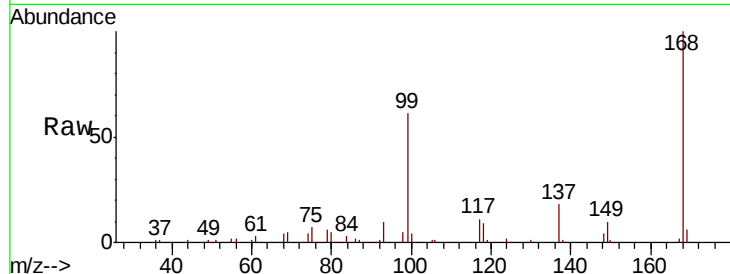




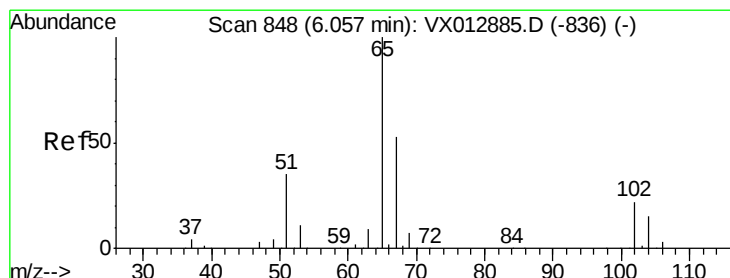
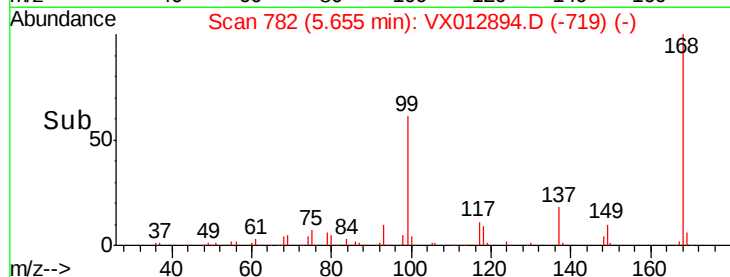
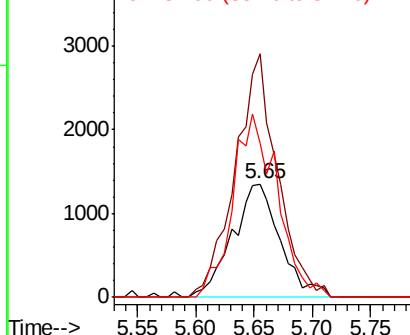
#31
Cyclohexane
Concen: 1.191 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 3864
Ion Ratio Lower Upper
56 100
69 214.6 25.2 37.8#
84 136.0 71.3 106.9#

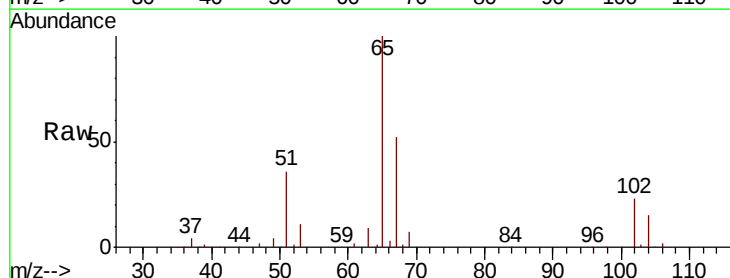


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

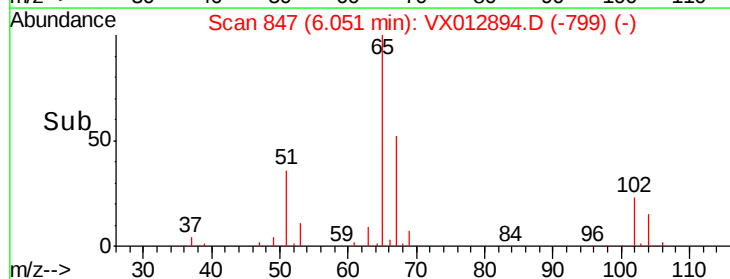
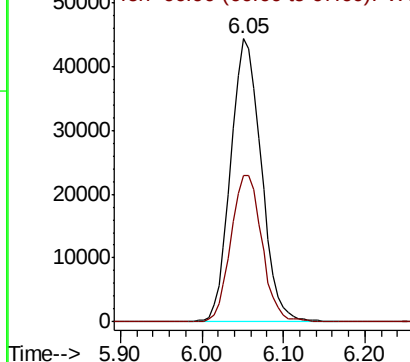


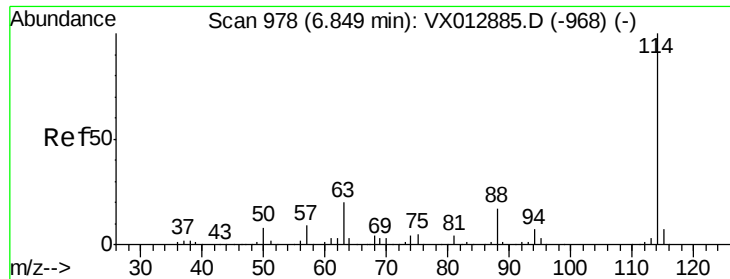
#33
1,2-Dichloroethane-d4
Concen: 51.473 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Tgt Ion: 65 Resp: 115061
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.4



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

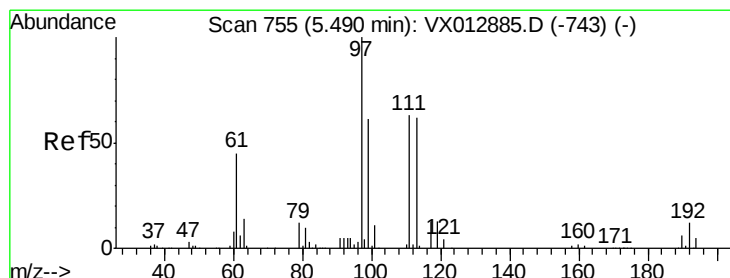
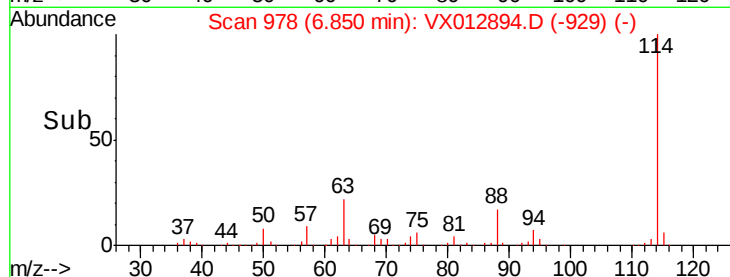
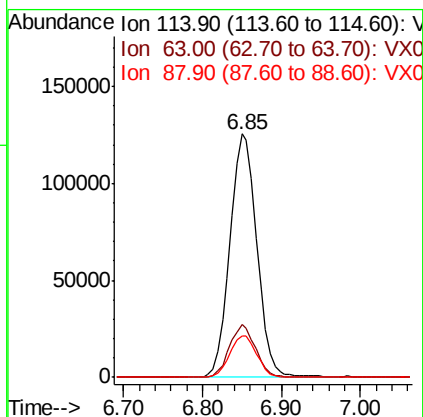
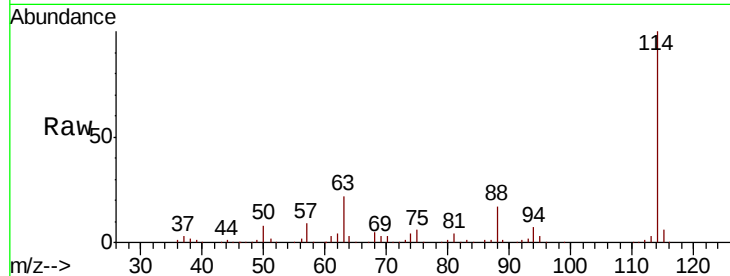




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

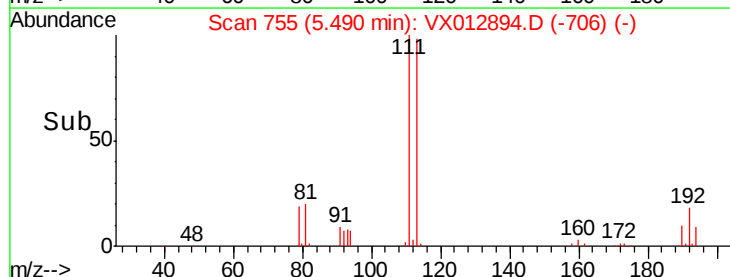
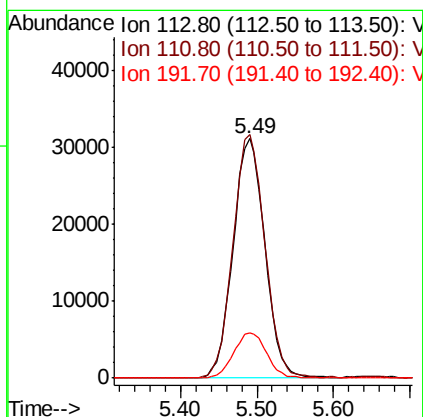
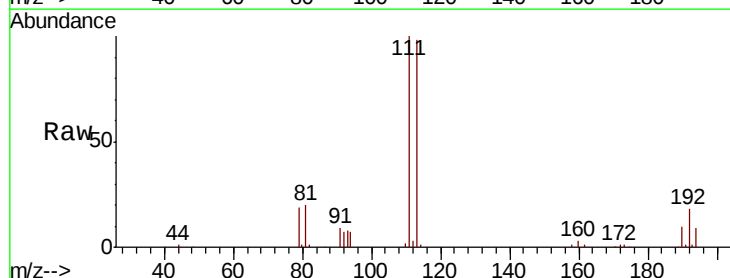
Instrument :
MSVOA_X
ClientSampleId :

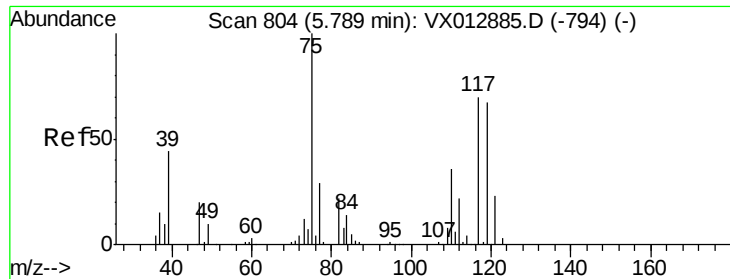
Tot Ion:114 Resp: 298679
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 16.8 0.0 33.8



#35
Dibromofluoromethane
Concen: 52.355 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Tgt Ion:113 Resp: 89750
Ion Ratio Lower Upper
113 100
111 101.5 83.2 124.8
192 19.5 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.368 ug/l

RT: 5.65 min Scan# 781

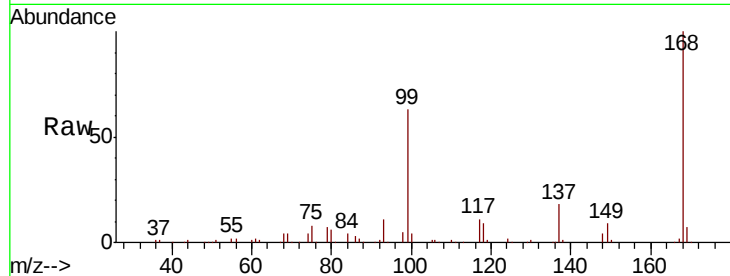
Delta R.T. -0.14 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	14097
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.6	52.9#
77	0.0	24.4	36.6#

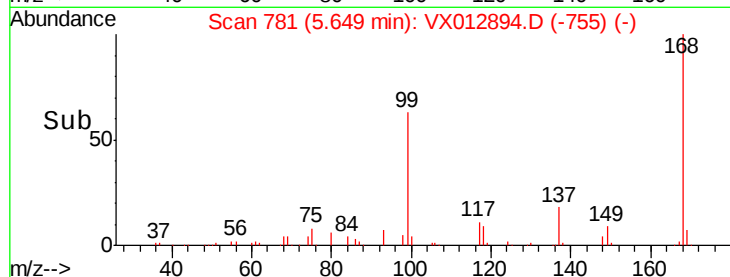


Abundance Ion 74.90 (74.60 to 75.60): VX012885.D (-794) (-)

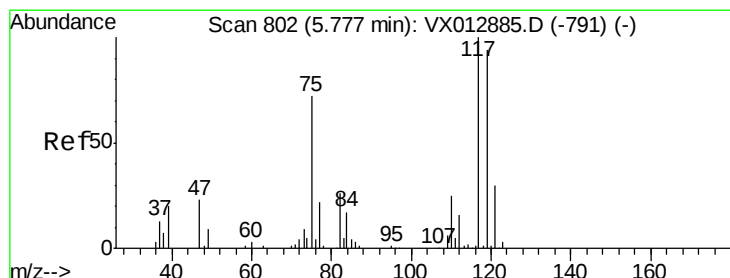
Ion 109.90 (109.60 to 110.60): VX012885.D (-794) (-)

Ion 76.90 (76.60 to 77.60): VX012885.D (-794) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 7.344 ug/l

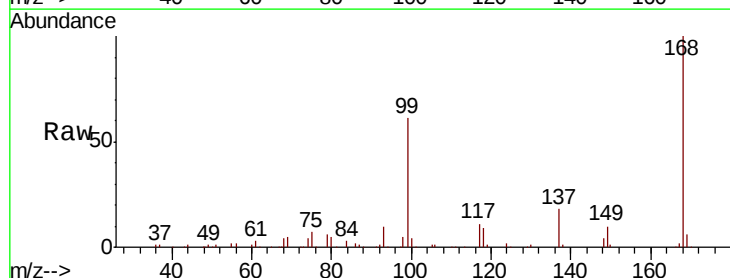
RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Tgt Ion:	117	Resp:	18772
Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.5	111.7#
121	0.0	24.2	36.4#

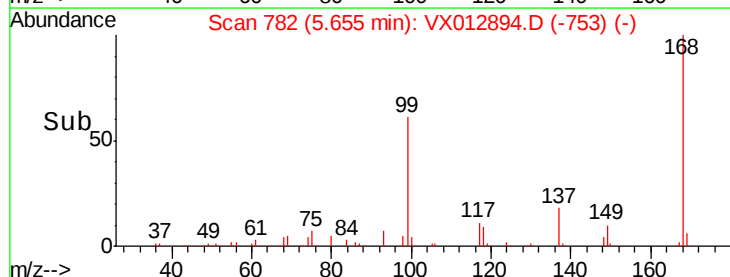


Abundance Ion 116.80 (116.50 to 117.50): VX012885.D (-791) (-)

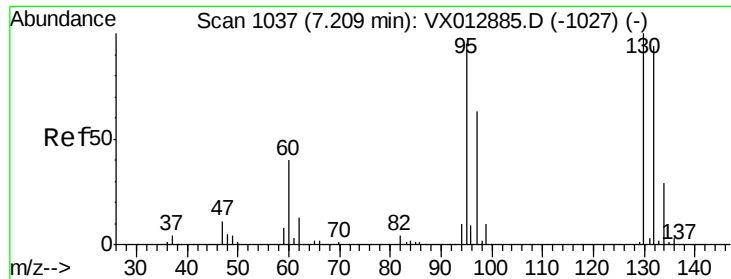
Ion 118.80 (118.50 to 119.50): VX012885.D (-791) (-)

Ion 120.80 (120.50 to 121.50): VX012885.D (-791) (-)

Time-->



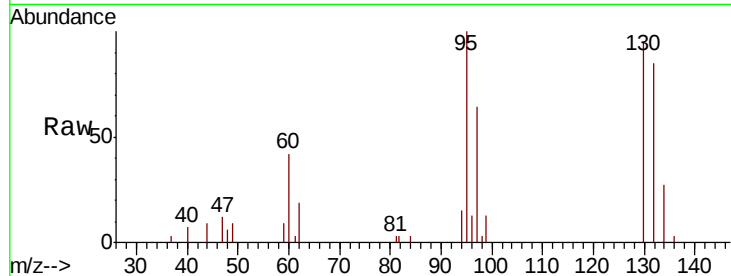
Time-->



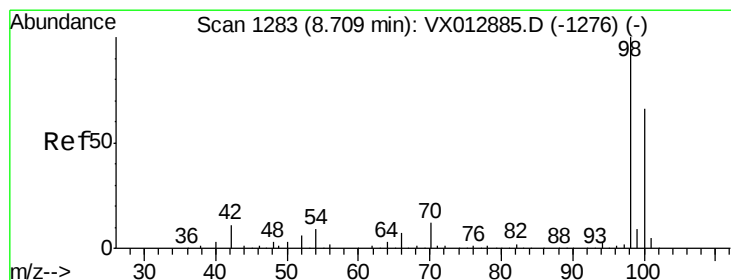
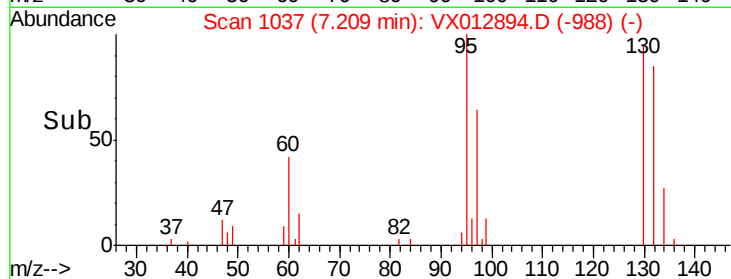
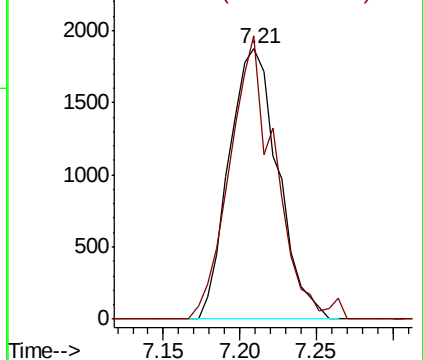
#44
 Trichloroethene
 Concen: 1.939 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX012894.D
 Acq: 08 Oct 2019 17:04

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 4170
 Ion Ratio Lower Upper
 130 100
 95 104.9 0.0 189.2

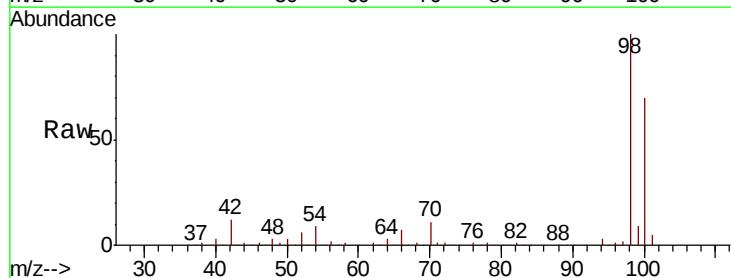


Abundance Ion 129.80 (129.50 to 130.50): VX012885.D (-1027) (-)
 Ion 94.90 (94.60 to 95.60): VX012885.D (-1027) (-)

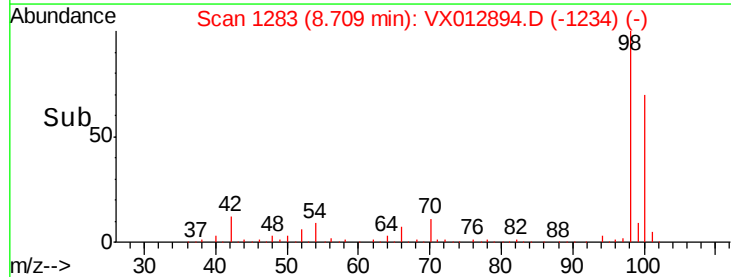
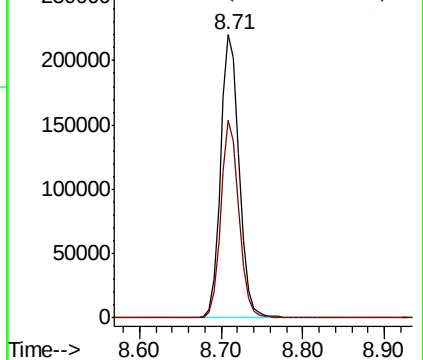


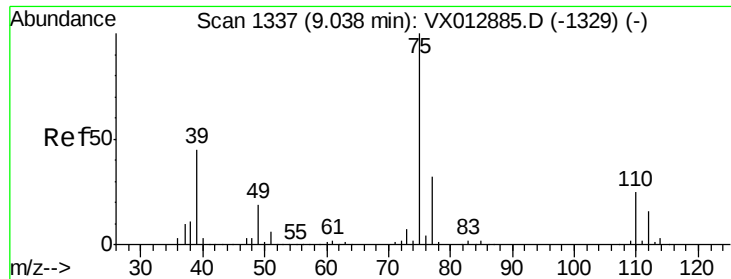
#50
 Toluene-d8
 Concen: 52.102 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012894.D
 Acq: 08 Oct 2019 17:04

Tgt Ion: 98 Resp: 348353
 Ion Ratio Lower Upper
 98 100
 100 67.9 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX012885.D (-1276) (-)
 Ion 100.00 (99.70 to 100.70): VX012885.D (-1276) (-)

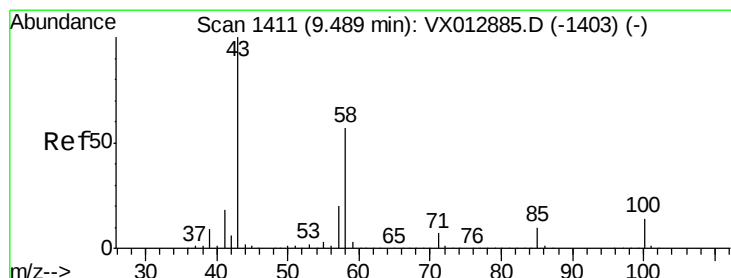
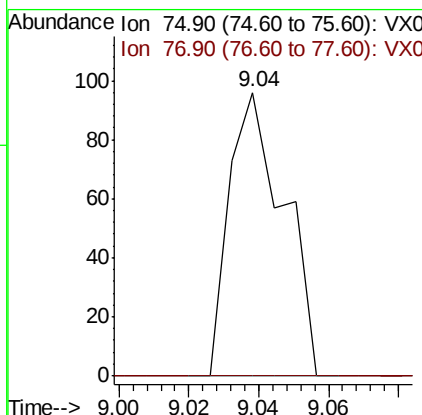
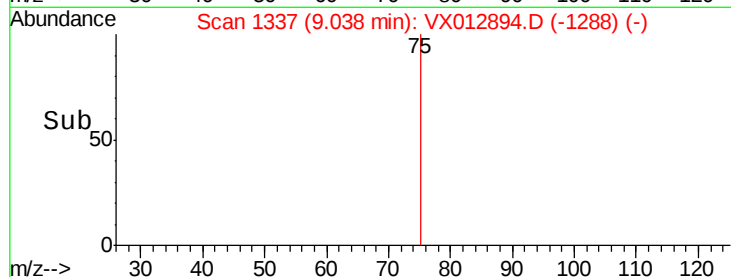
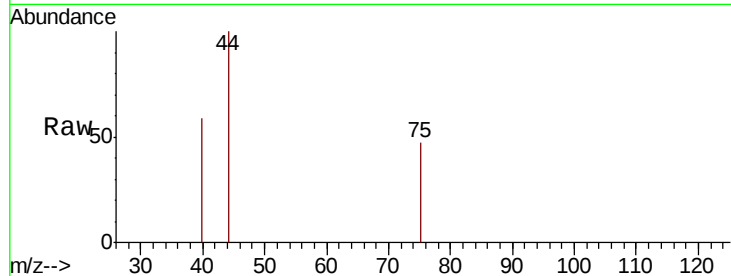




#53
t-1,3-Dichloropropene
Concen: 2.200 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

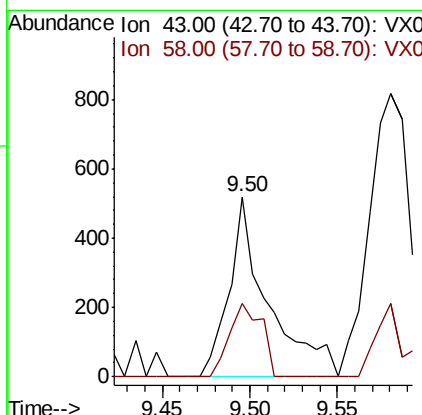
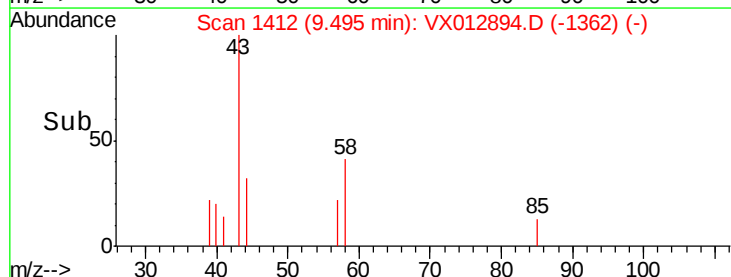
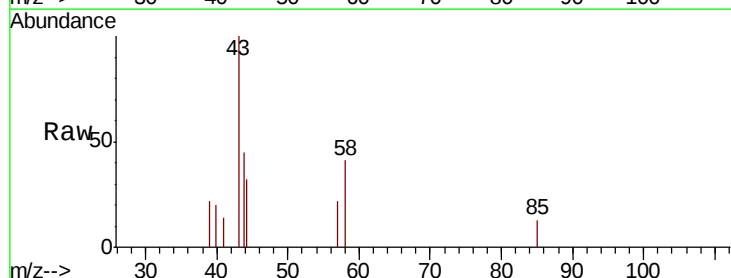
Instrument :
MSVOA_X
ClientSampled :

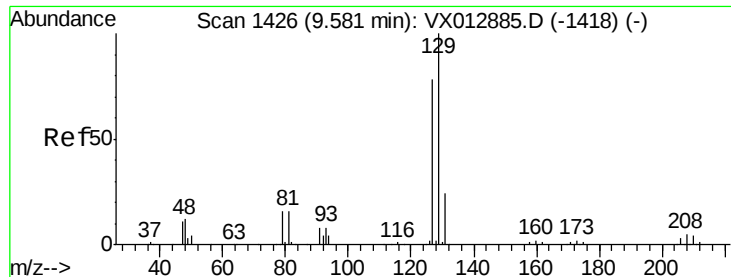
Tot Ion: 75 Resp: 104
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 0.353 ug/l
RT: 9.50 min Scan# 1412
Delta R.T. 0.01 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
58 33.3 28.1 84.3

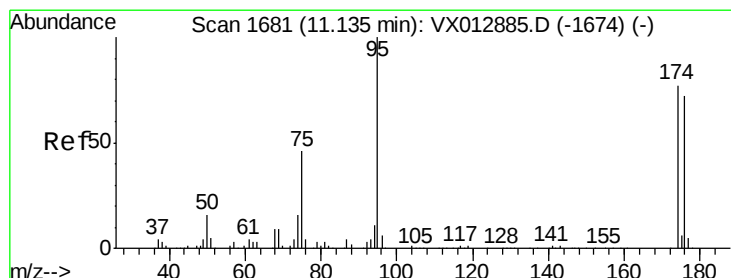
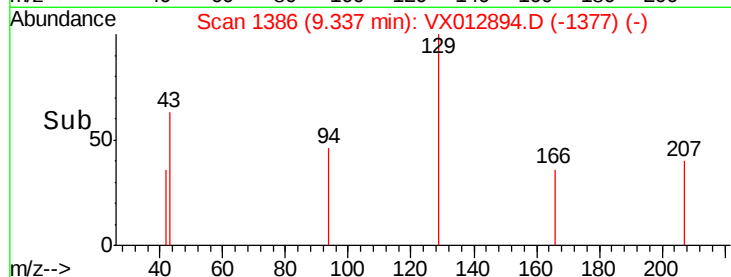
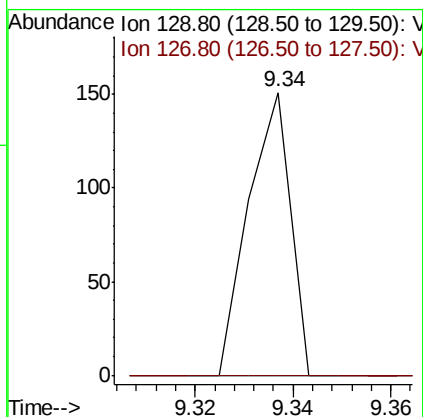
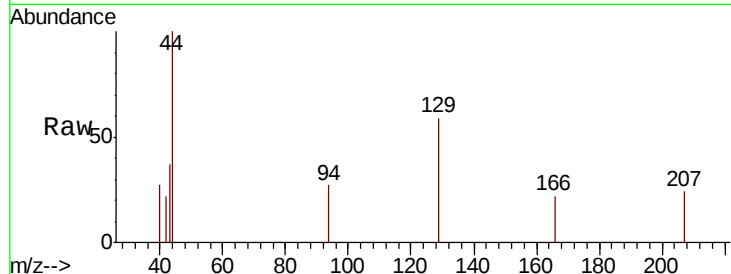




#60
 Dibromochloromethane
 Concen: 1.897 ug/l
 RT: 9.34 min Scan# 1386
 Delta R.T. -0.24 min
 Lab File: VX012894.D
 Acq: 08 Oct 2019 17:04

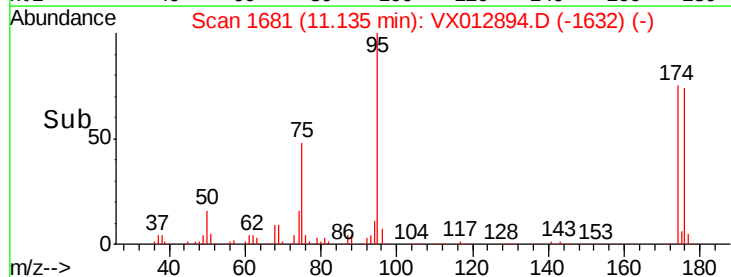
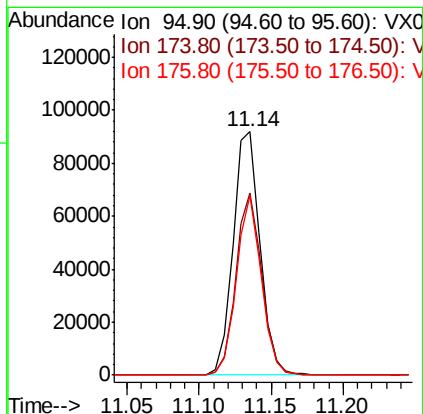
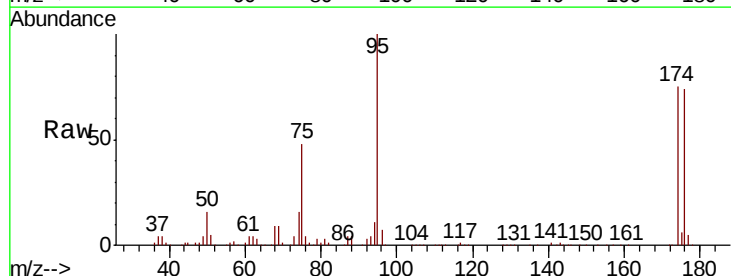
Instrument :
 MSVOA_X
 ClientSampleId :

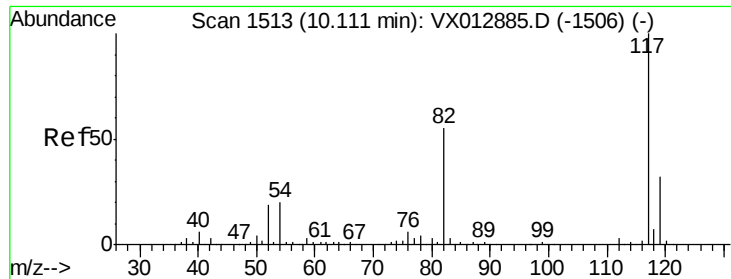
Tot Ion:129 Resp: 90
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#



#62
 4-Bromofluorobenzene
 Concen: 46.300 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012894.D
 Acq: 08 Oct 2019 17:04

Tgt Ion: 95 Resp: 120282
 Ion Ratio Lower Upper
 95 100
 174 71.8 0.0 143.4
 176 68.1 0.0 136.0

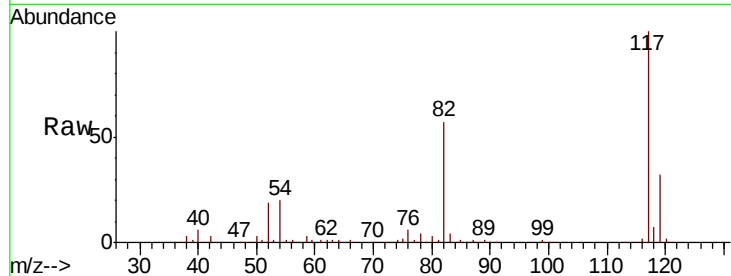




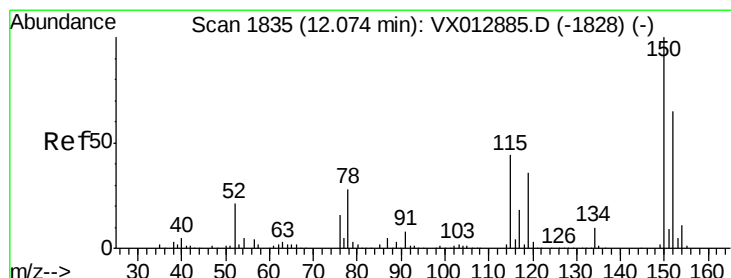
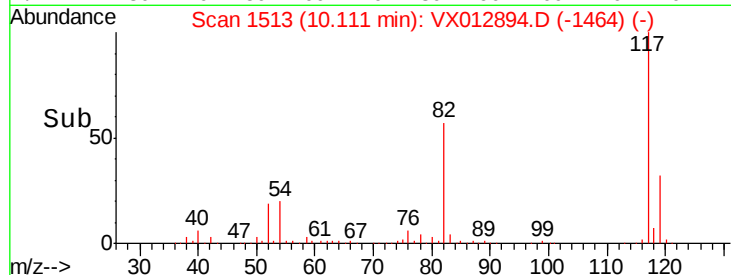
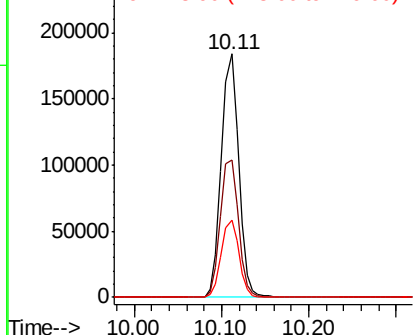
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 253379
Ion Ratio Lower Upper
117 100
82 56.7 44.1 66.1
119 31.7 25.8 38.8

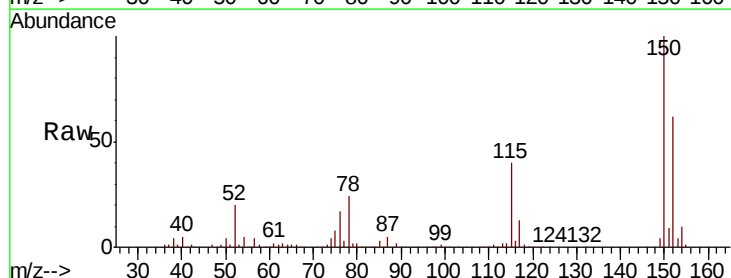


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

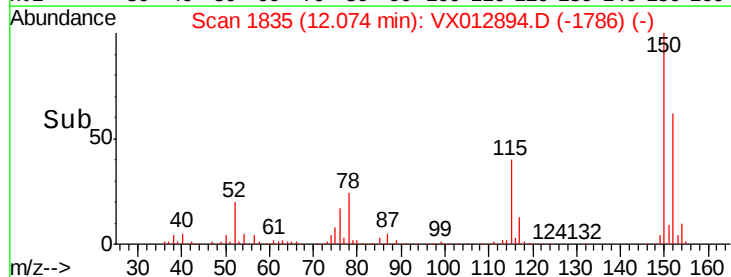
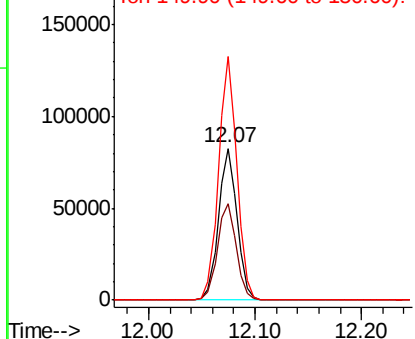


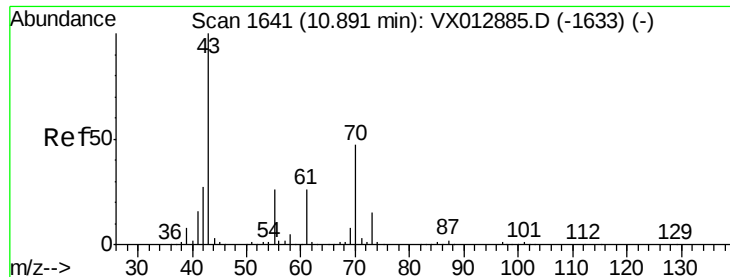
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Tgt Ion:152 Resp: 99706
Ion Ratio Lower Upper
152 100
115 64.5 44.5 133.5
150 158.8 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





#74

N-amvl acetate

Concen: 0.298 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :

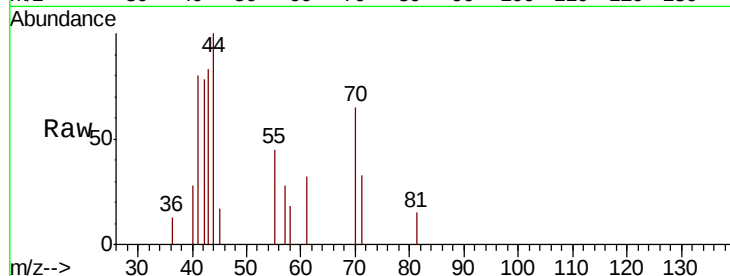
MSVOA_X

ClientSampled :

Tot Ion: 43 Resp: 940

Ion Ratio Lower Upper

43	100		
70	50.4	36.4	54.6
55	40.2	20.2	30.2#
61	28.5	20.5	30.7

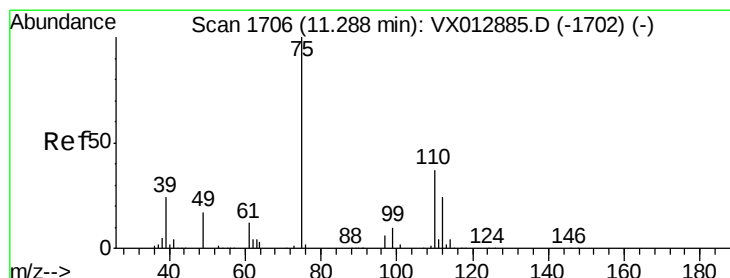
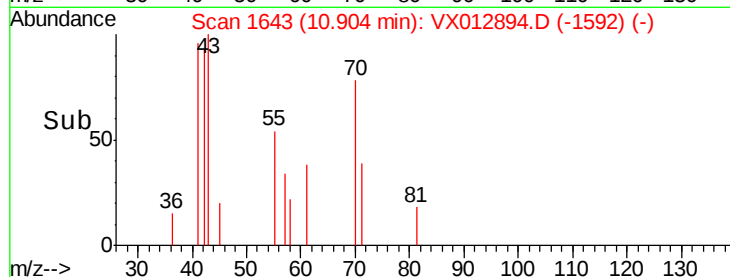
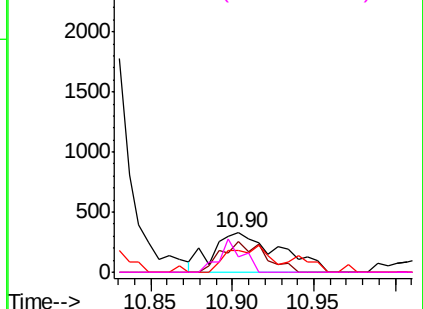


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 26.856 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

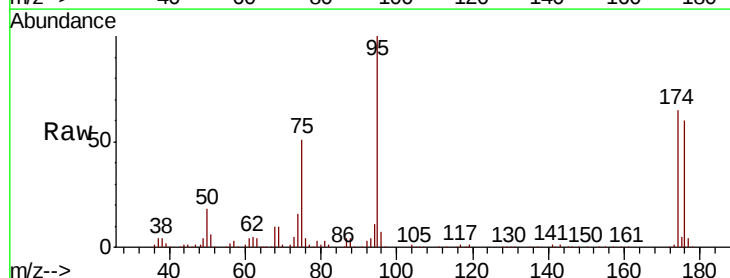
Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Tgt Ion: 75 Resp: 59391

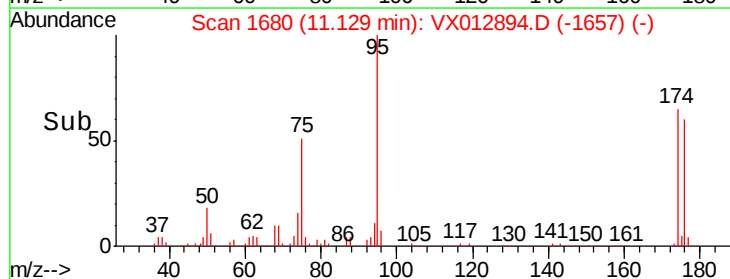
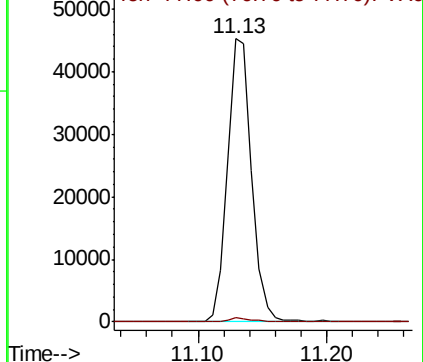
Ion Ratio Lower Upper

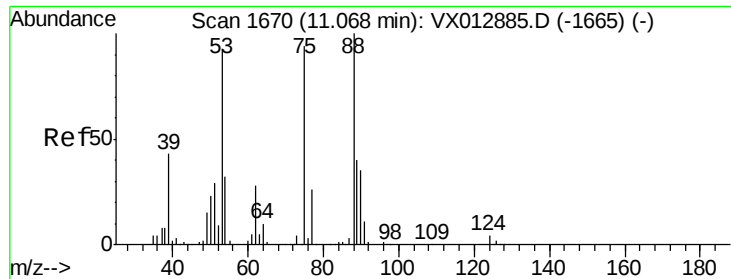
75	100		
77	1.3	22.9	68.8#



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: 67.503 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 59391

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 37.4 56.2#

