

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
 Data File : VX014512.D
 Acq On : 09 Jan 2020 21:16
 Operator : JC/SP
 Sample : L1060-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Quant Time: Jan 10 06:52:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	523523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	811020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	738924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	345879	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	288719	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	5.49	113	239479	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	8.71	98	970151	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.13	95	334615	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	

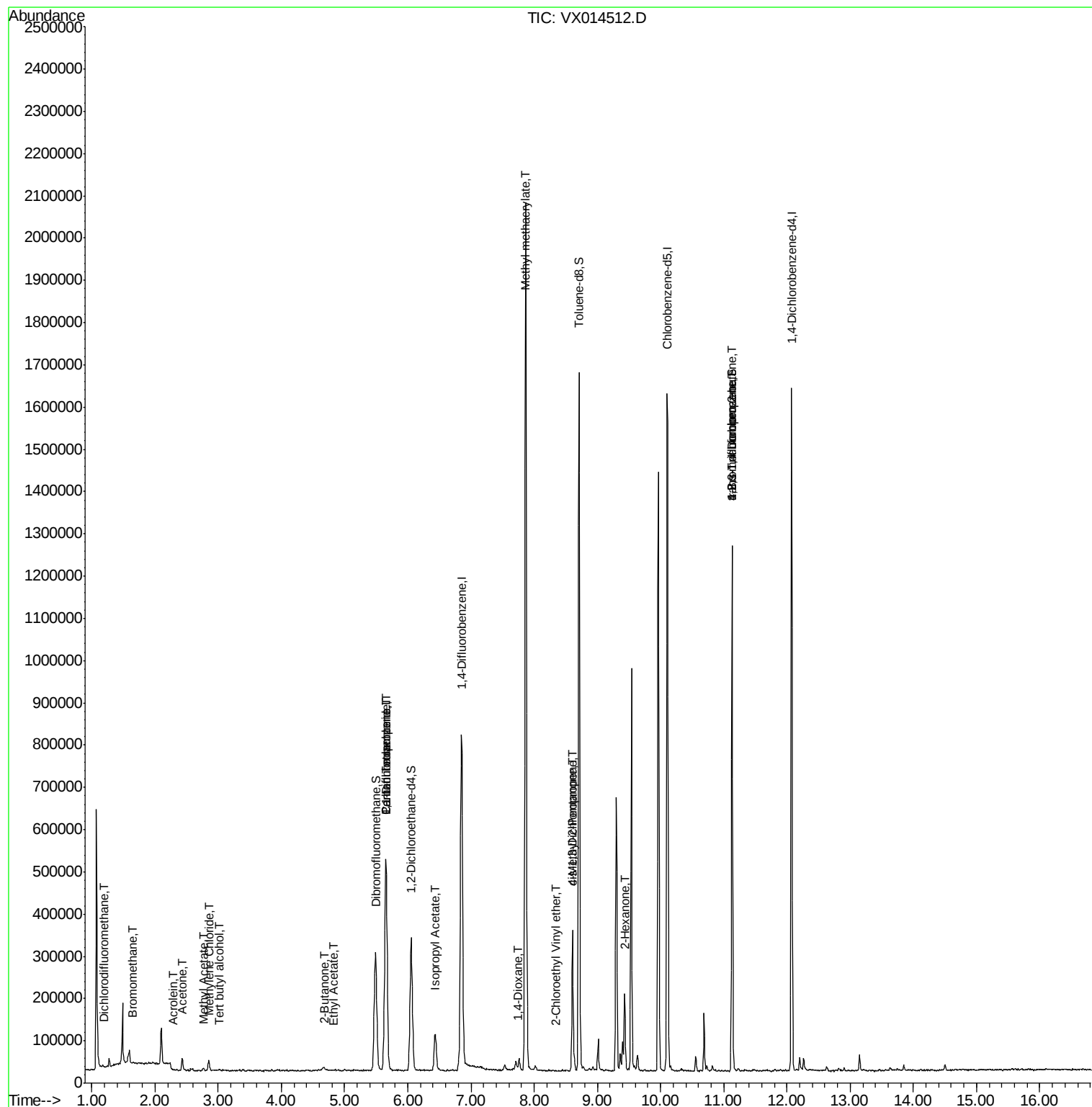
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	394	0.313	ug/l	84
5) Bromomethane	1.64	94	994	0.202	ug/l	92
6) Chloroethane	1.70	64	486	Below Cal	#	1
11) Tert butyl alcohol	3.01	59	1662	1.362	ug/l	97
13) Acrolein	2.30	56	247	0.253	ug/l #	63
16) Acetone	2.43	43	32445	7.011	ug/l	94
18) Methyl Acetate	2.76	43	5624	0.670	ug/l	98
20) Methylene Chloride	2.85	84	12161	2.068	ug/l #	96
25) 2-Butanone	4.67	43	9175	2.102	ug/l #	86
36) 1,1-Dichloropropene	5.65	75	36877	4.835	ug/l #	51
37) Ethyl Acetate	4.83	43	3835	0.463	ug/l #	92
38) Carbon Tetrachloride	5.65	117	44663	6.364	ug/l #	18
43) Isopropyl Acetate	6.43	43	120926	9.036	ug/l	99
48) Methyl methacrylate	7.87	41	171791	26.802	ug/l #	44
49) 1,4-Dioxane	7.74	88	571	4.204	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	116764	14.318	ug/l #	45
54) cis-1,3-Dichloropropene	8.61	75	56825	6.165	ug/l #	59
58) 2-Chloroethyl Vinyl ether	8.34	63	788	0.260	ug/l	96
59) 2-Hexanone	9.43	43	142137	22.028	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	164073	22.927	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	164073	60.615	ug/l #	12
88) 1,4-Dichlorobenzene	12.10	146	742	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	13.65	180	557	Below Cal	#	7
96) 1,2,3-Trichlorobenzene	14.01	180	261	Below Cal	#	1

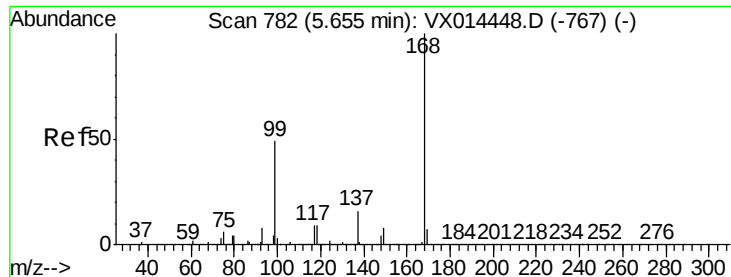
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010920\
Data File : VX014512.D
Acq On : 09 Jan 2020 21:16
Operator : JC/SP
Sample : L1060-18
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-3

Quant Time: Jan 10 06:52:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration



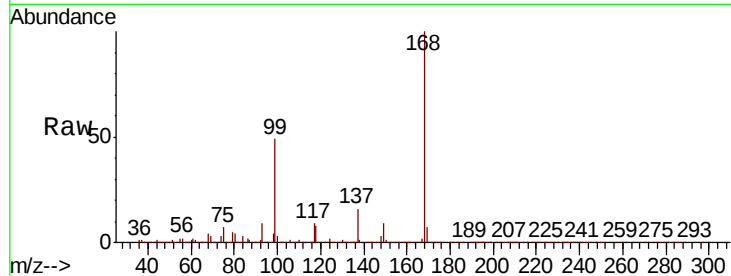


#1

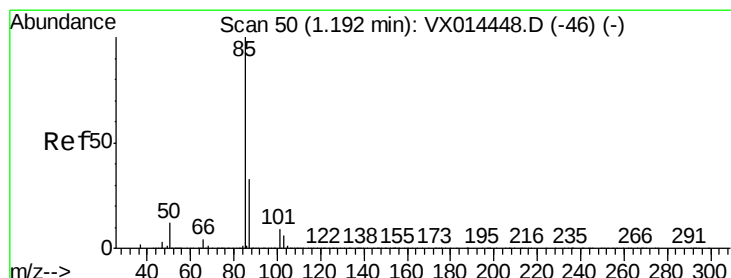
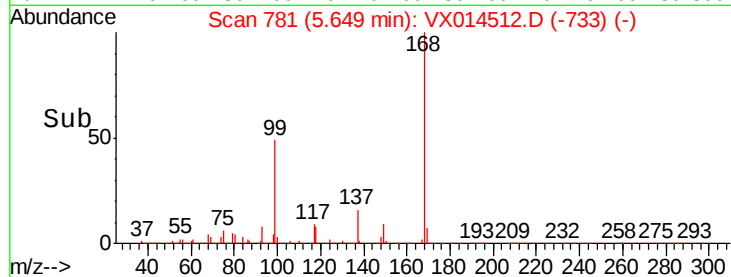
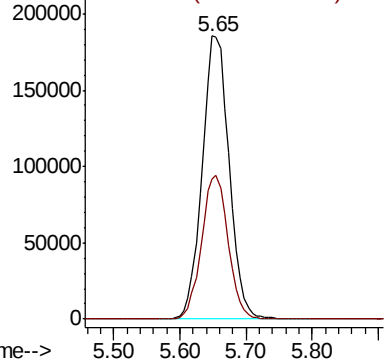
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: VX014512.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Tot Ion:168 Resp: 523523
 Ion Ratio Lower Upper
 168 100
 99 49.4 39.2 58.8



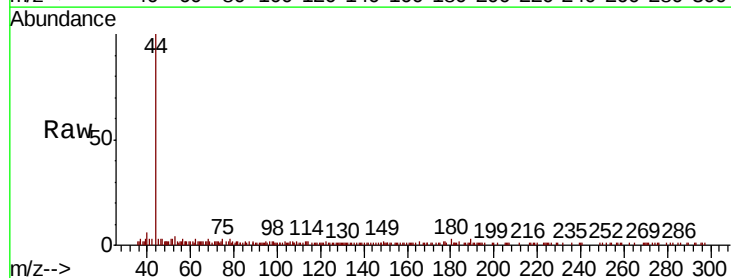
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



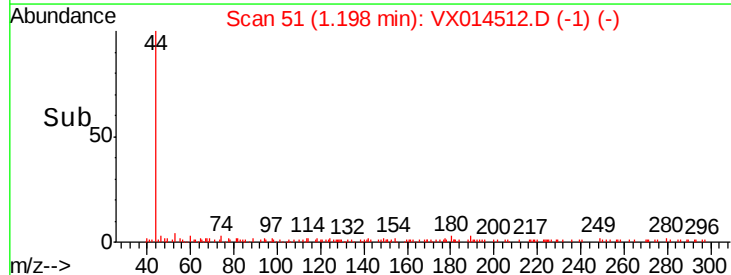
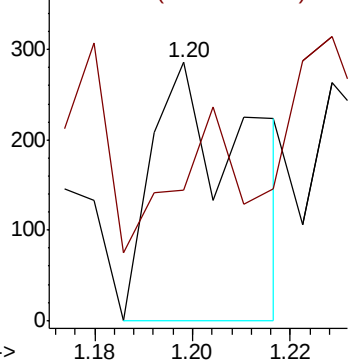
#2

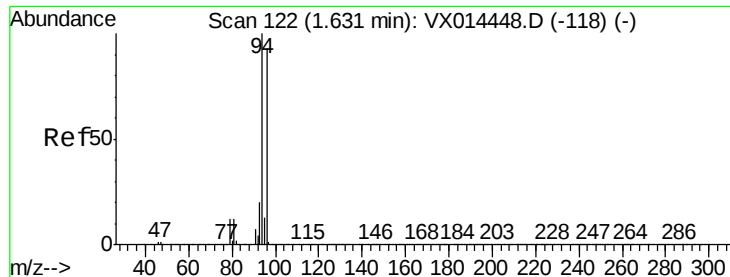
Dichlorodifluoromethane
 Concen: 0.313 ug/l
 RT: 1.20 min Scan# 51
 Delta R.T. 0.01 min
 Lab File: VX014512.D
 Acq: 09 Jan 2020 21:16

Tgt Ion: 85 Resp: 394
 Ion Ratio Lower Upper
 85 100
 87 24.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0
 Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.202 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014512.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_X

ClientSampleId :

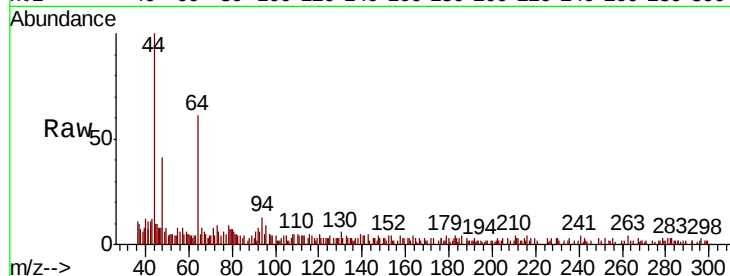
TP-3

Tot Ion: 94 Resp: 994

Ion Ratio Lower Upper

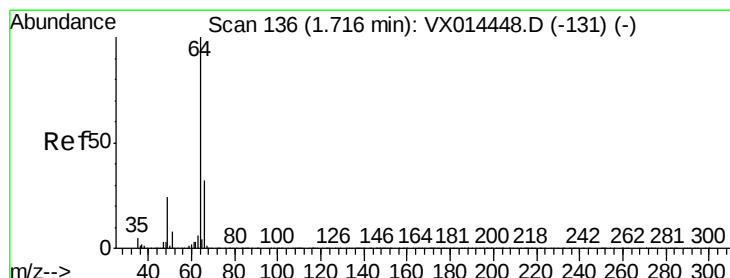
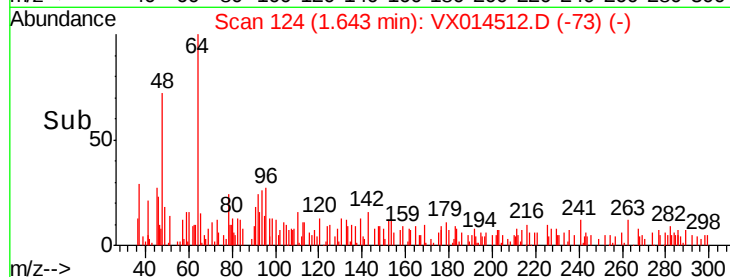
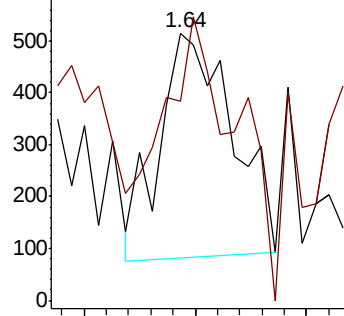
94 100

96 100.5 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 133

Delta R.T. -0.02 min

Lab File: VX014512.D

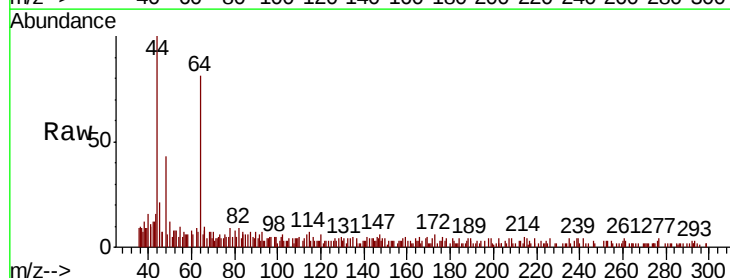
Acq: 09 Jan 2020 21:16

Tgt Ion: 64 Resp: 486

Ion Ratio Lower Upper

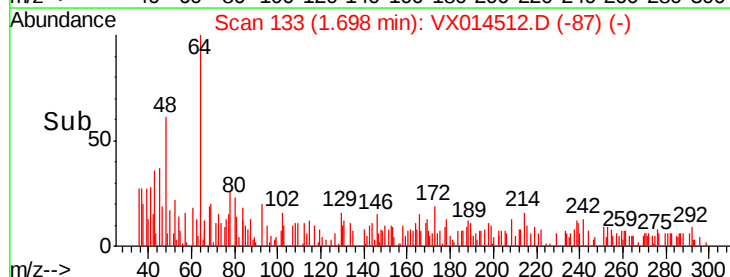
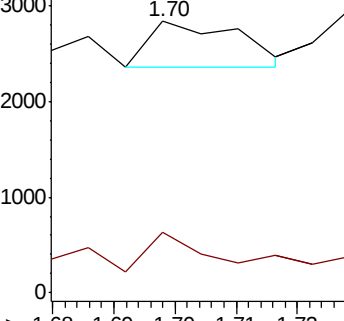
64 100

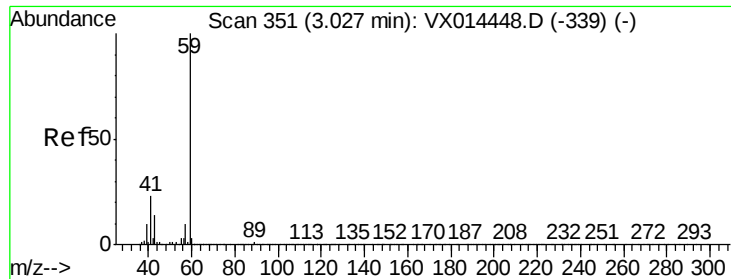
66 86.4 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



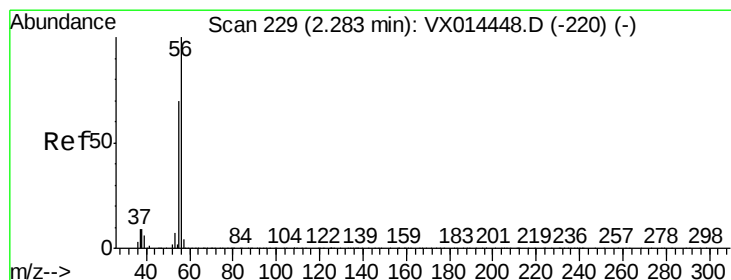
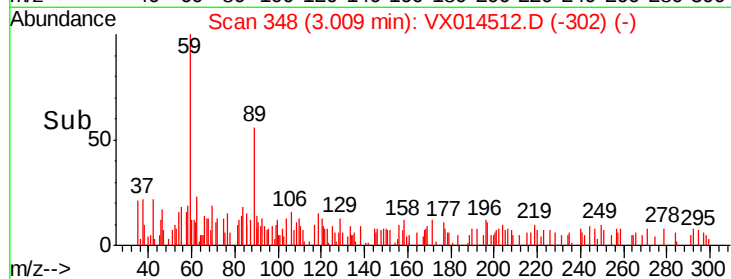
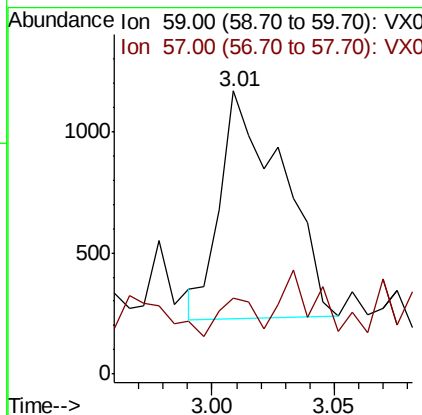
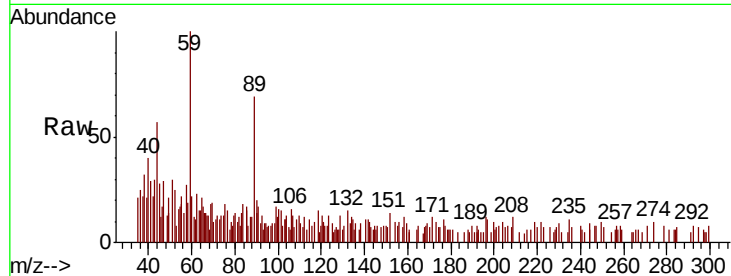


#11

Tert butyl alcohol
 Concen: 1.362 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VX014512.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_X
 ClientSampled :
 TP-3

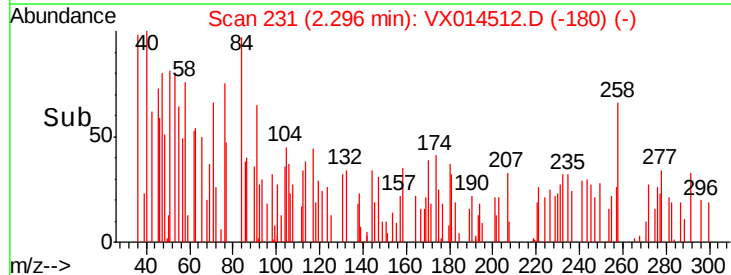
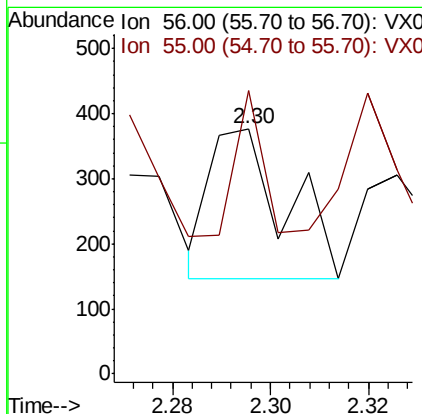
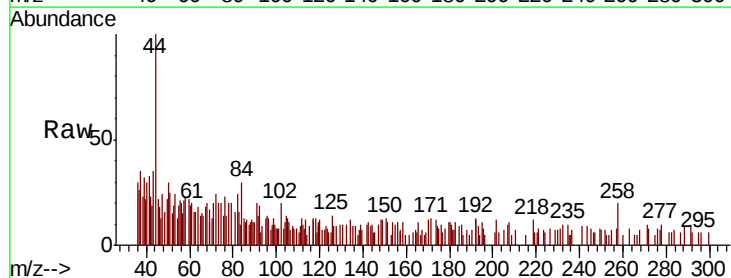
Tot Ion: 59 Resp: 1662
 Ion Ratio Lower Upper
 59 100
 57 11.7 8.5 12.7

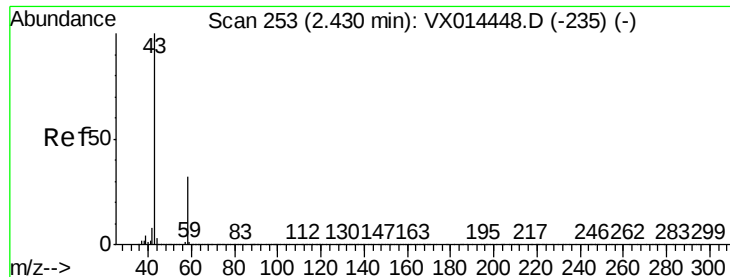


#13

Acrolein
 Concen: 0.253 ug/l
 RT: 2.30 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VX014512.D
 Acq: 09 Jan 2020 21:16

Tgt Ion: 56 Resp: 247
 Ion Ratio Lower Upper
 56 100
 55 38.5 55.0 82.6#

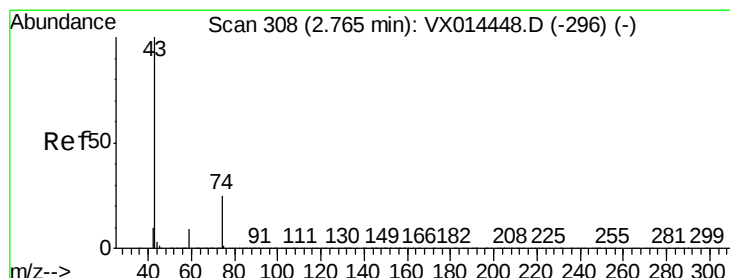
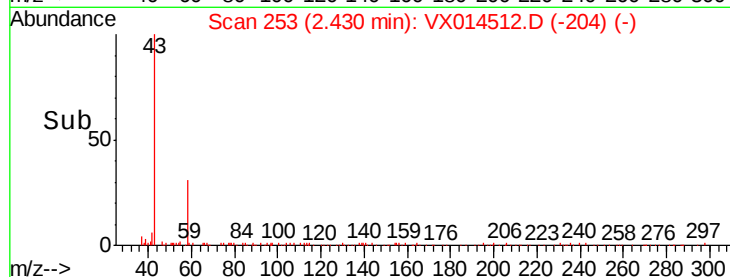
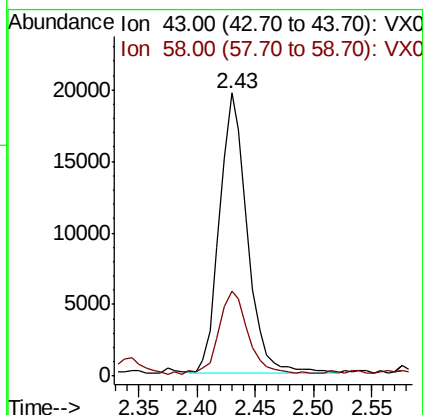
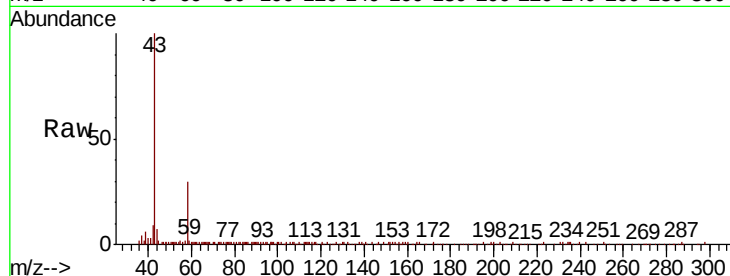




#16
Acetone
Concen: 7.011 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014512.D
Acq: 09 Jan 2020 21:16

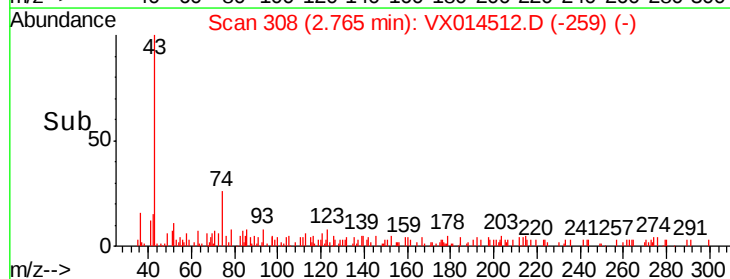
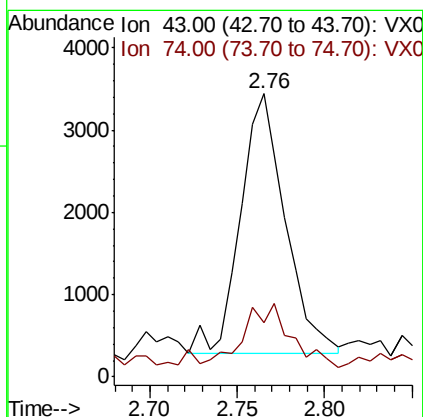
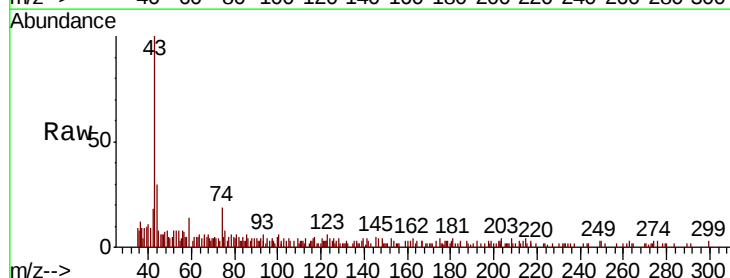
Instrument :
MSVOA_X
ClientSampleId :
TP-3

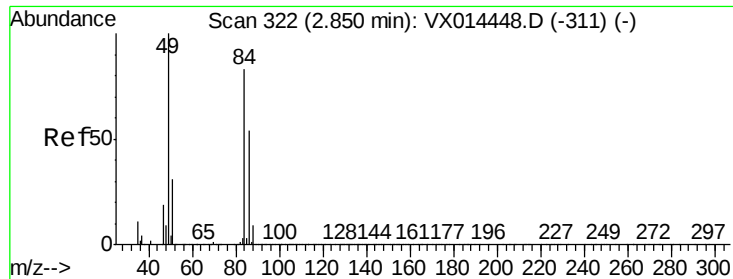
Tot Ion: 43 Resp: 32445
Ion Ratio Lower Upper
43 100
58 28.2 25.4 38.0



#18
Methyl Acetate
Concen: 0.670 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014512.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 43 Resp: 5624
Ion Ratio Lower Upper
43 100
74 25.2 19.4 29.2

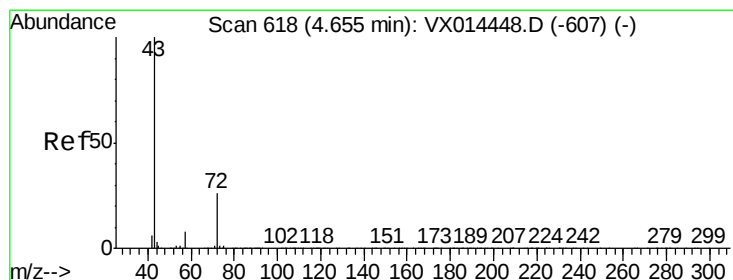
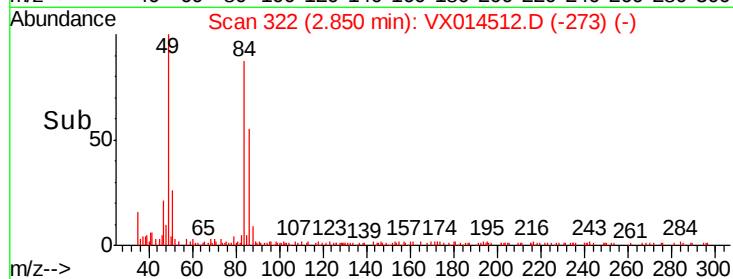
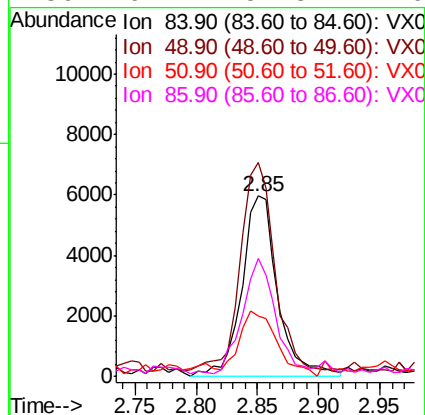
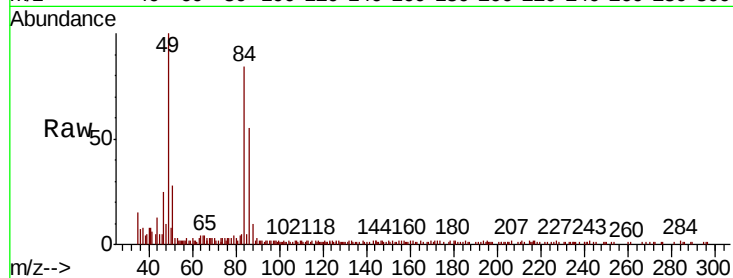




#20
Methvlene Chloride
Concen: 2.068 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014512.D
Acq: 09 Jan 2020 21:16

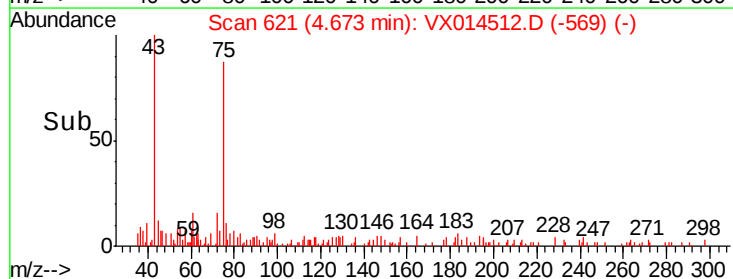
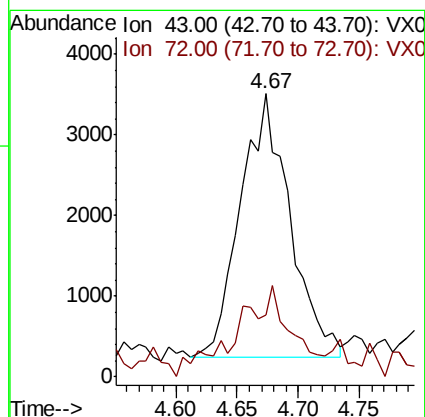
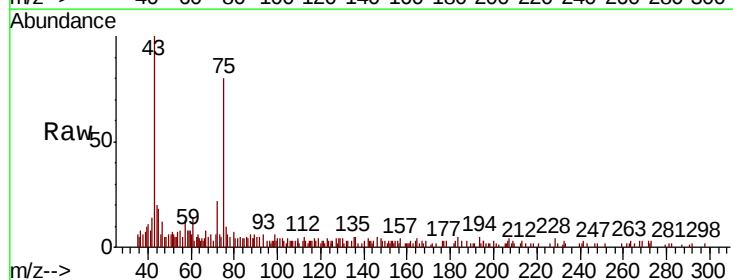
Instrument :
MSVOA_X
ClientSampled :
TP-3

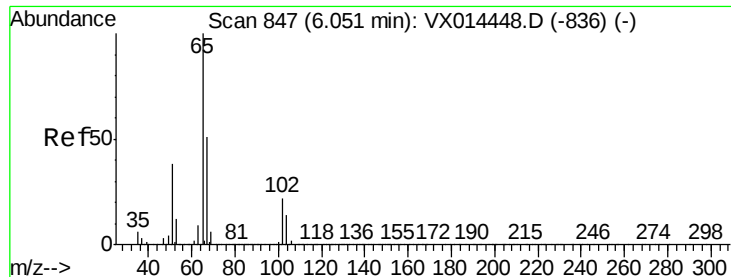
Tot Ion: 84 Resp: 12161
Ion Ratio Lower Upper
84 100
49 117.1 95.8 143.8
51 29.8 30.2 45.4#
86 64.7 51.8 77.6



#25
2-Butanone
Concen: 2.102 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX014512.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 43 Resp: 9175
Ion Ratio Lower Upper
43 100
72 18.5 20.6 31.0#

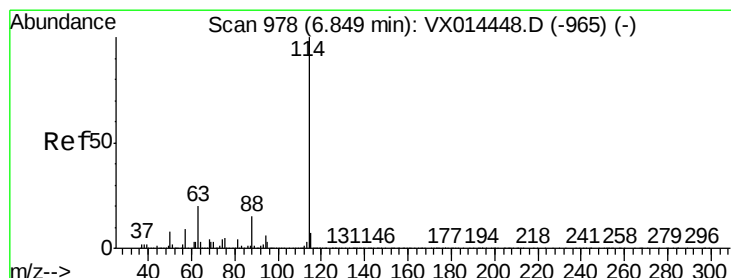
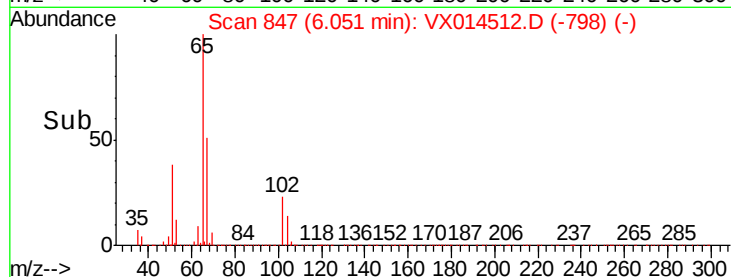
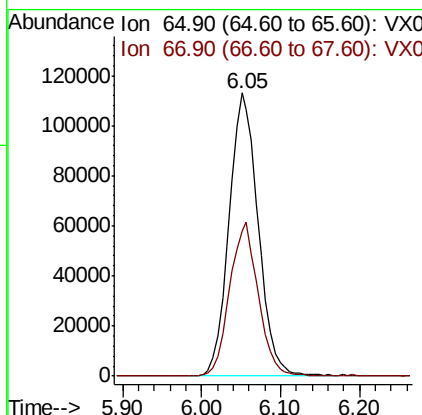
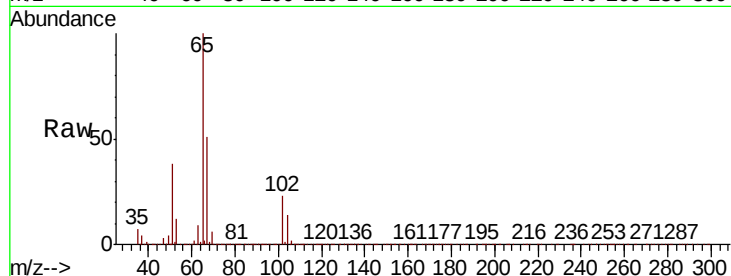




#33
 1,2-Dichloroethane-d4
 Concen: 49.402 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014512.D
 Acq: 09 Jan 2020 21:16

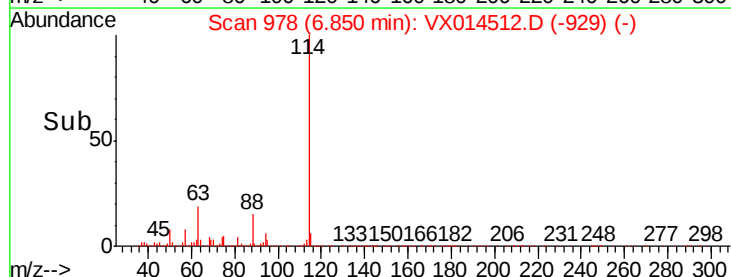
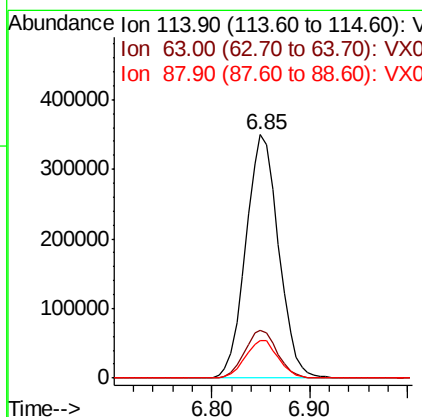
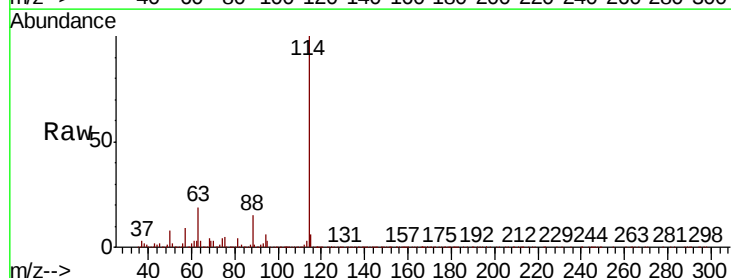
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

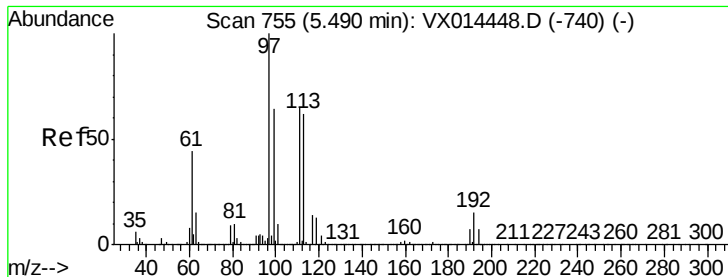
Tot Ion: 65 Resp: 288719
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014512.D
 Acq: 09 Jan 2020 21:16

Tgt Ion: 114 Resp: 811020
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.6
 88 15.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 48.779 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014512.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_X

ClientSampleId :

TP-3

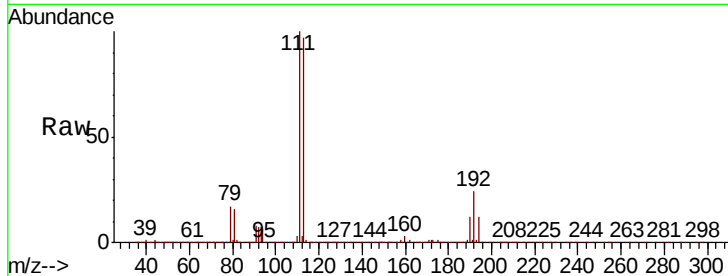
Tot Ion:113 Resp: 239479

Ion Ratio Lower Upper

113 100

111 103.7 81.5 122.3

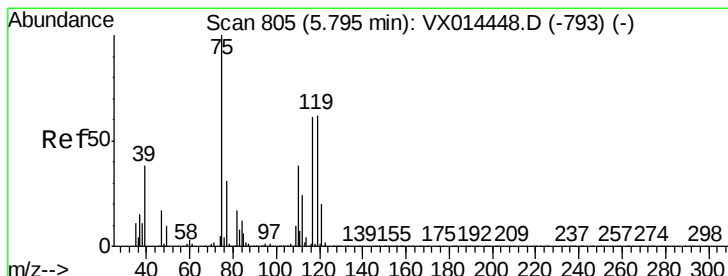
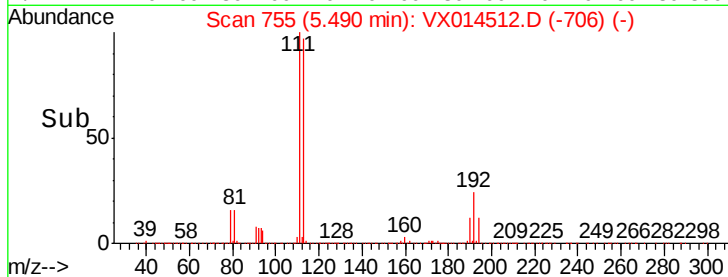
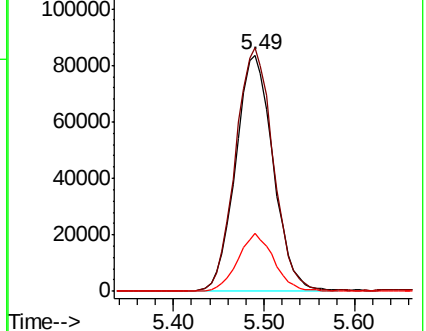
192 23.8 19.2 28.8



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: 4.835 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014512.D

Acq: 09 Jan 2020 21:16

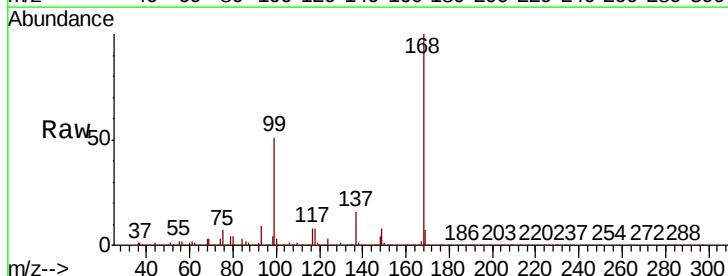
Tgt Ion: 75 Resp: 36877

Ion Ratio Lower Upper

75 100

110 11.5 18.6 55.8#

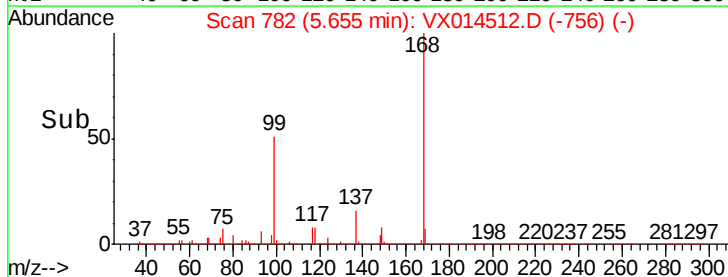
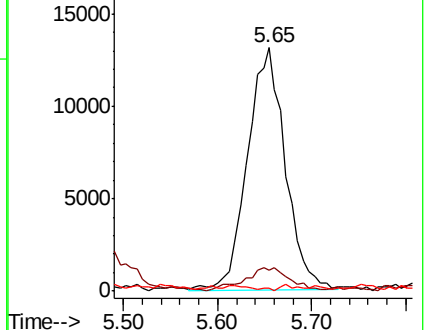
77 0.0 24.5 36.7#

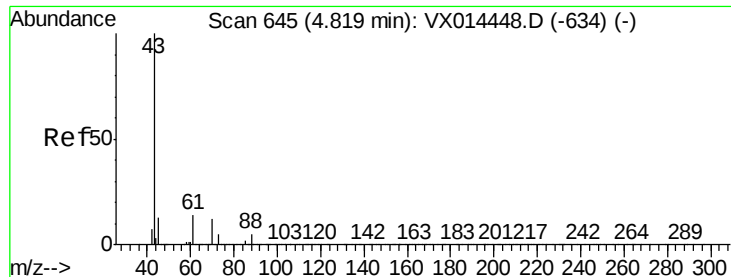


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

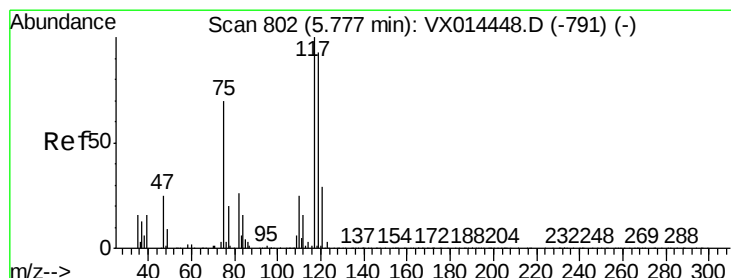
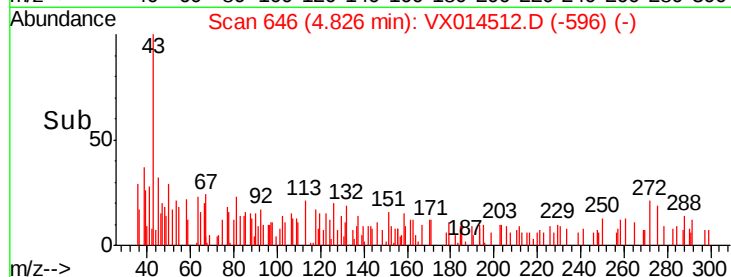
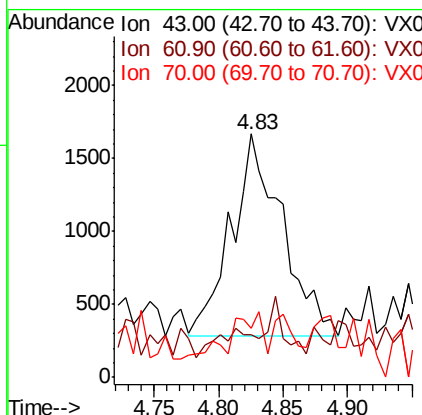
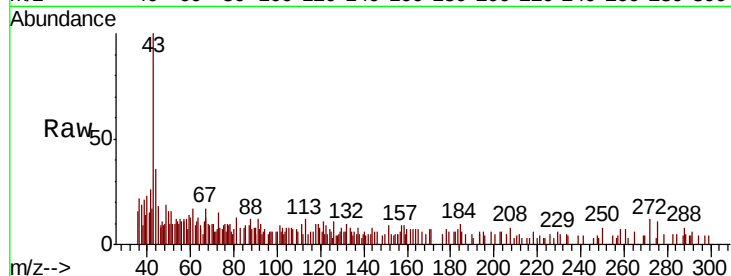




#37
Ethyl Acetate
Concen: 0.463 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX014512.D
Acq: 09 Jan 2020 21:16

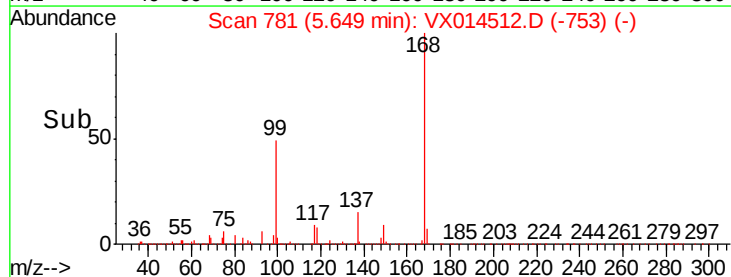
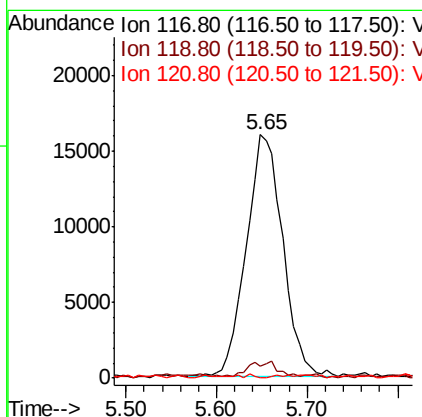
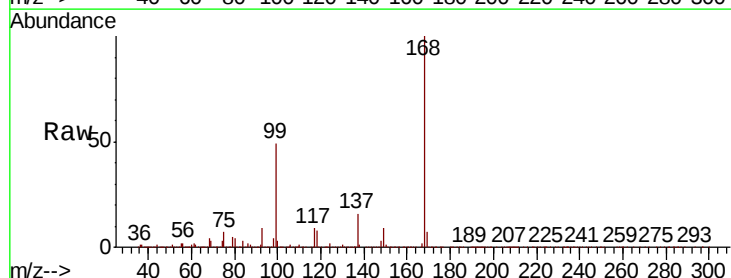
Instrument :
MSVOA_X
ClientSampleId :
TP-3

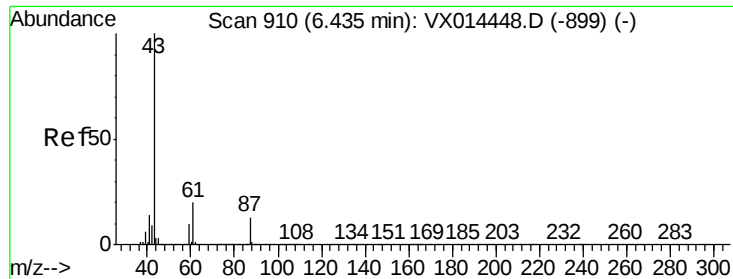
Tot Ion: 43 Resp: 3835
Ion Ratio Lower Upper
43 100
61 10.7 11.1 16.7#
70 14.0 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 6.364 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX014512.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 117 Resp: 44663
Ion Ratio Lower Upper
117 100
119 5.1 73.8 110.8#
121 0.0 23.4 35.0#



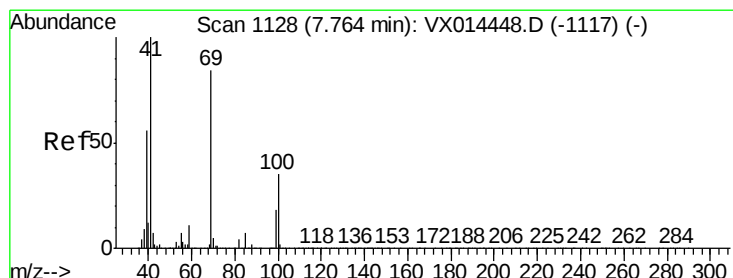
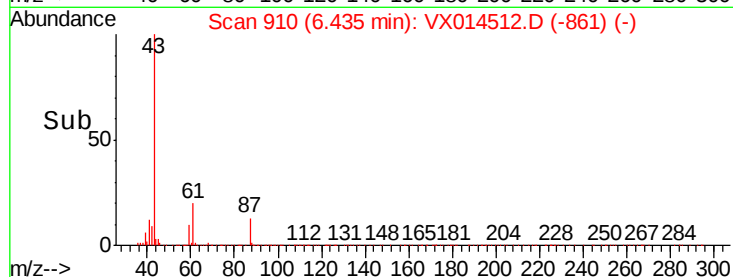
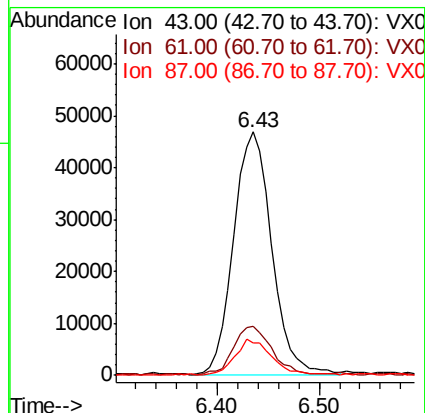
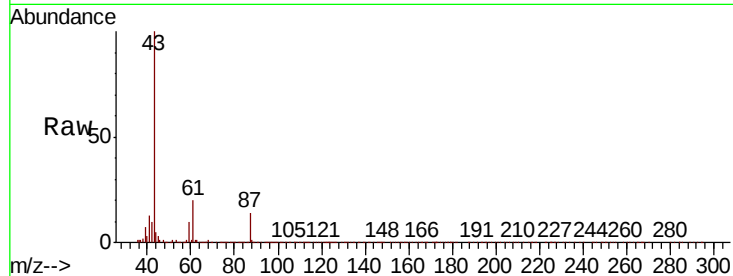


#43

Isopropyl Acetate
 Concen: 9.036 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014512.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_X
 ClientSampled :
 TP-3

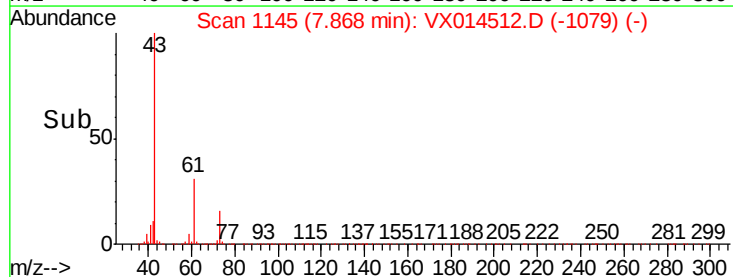
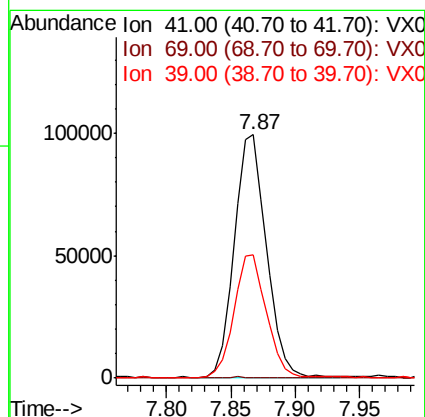
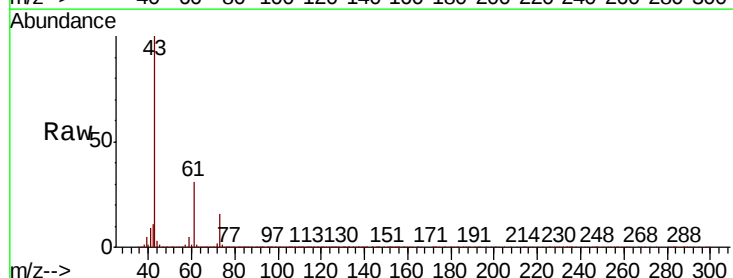
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	16.6	24.8
87	13.8	10.8	16.2

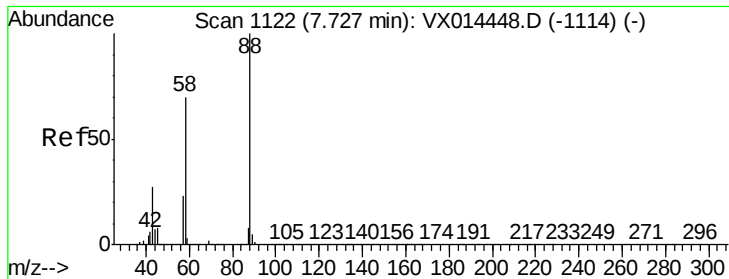


#48

Methyl methacrylate
 Concen: 26.802 ug/l
 RT: 7.87 min Scan# 1145
 Delta R.T. 0.10 min
 Lab File: VX014512.D
 Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.4	65.5	98.3#
39	51.8	43.9	65.9





#49

1,4-Dioxane

Concen: 4.204 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014512.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_X

ClientSampled :

TP-3

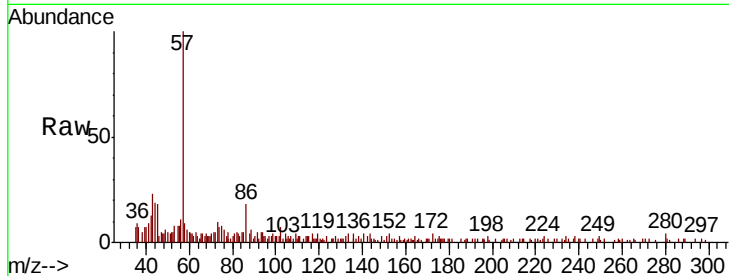
Tot Ion: 88 Resp: 571

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

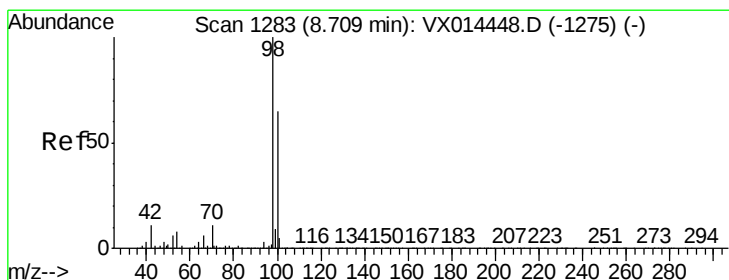
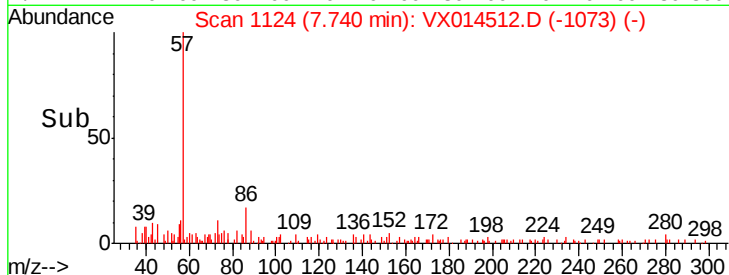
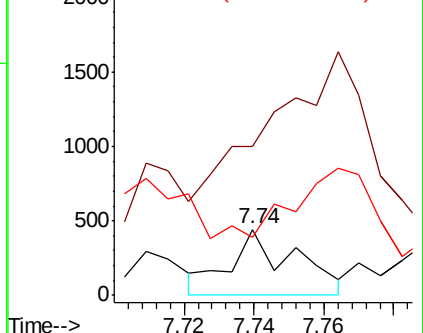
58 0.0 57.1 85.7#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.921 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014512.D

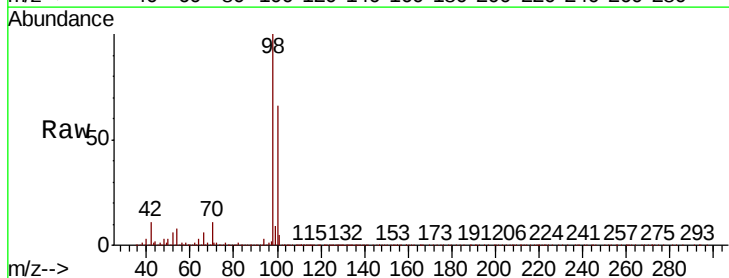
Acq: 09 Jan 2020 21:16

Tgt Ion: 98 Resp: 970151

Ion Ratio Lower Upper

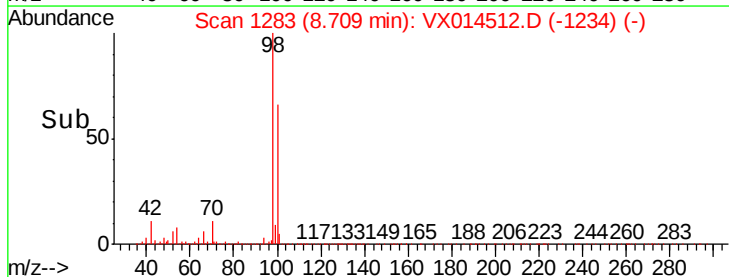
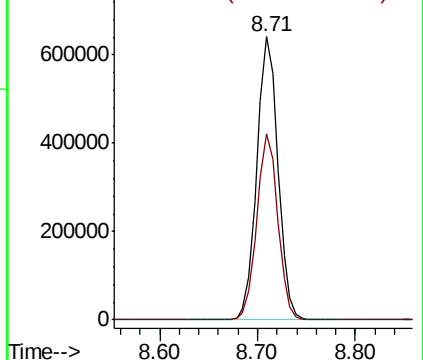
98 100

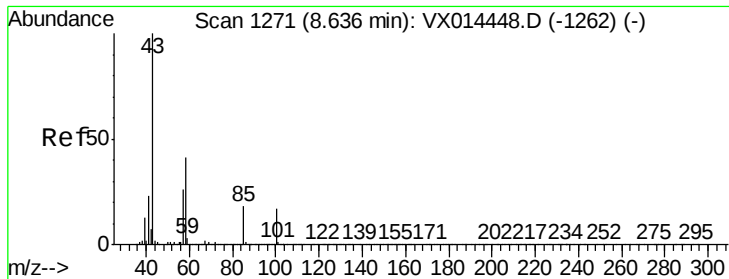
100 64.9 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 14.318 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014512.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_X

ClientSampleId :

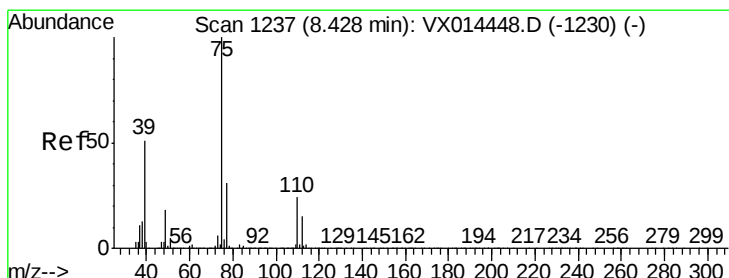
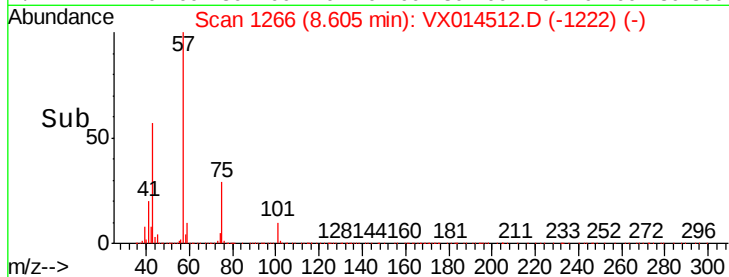
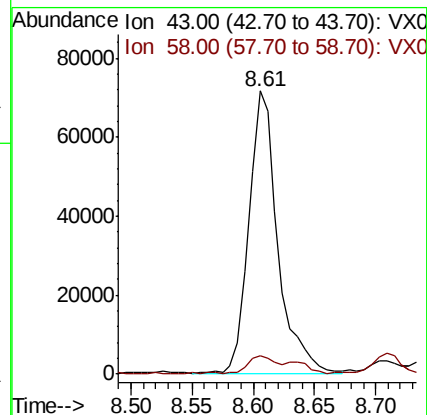
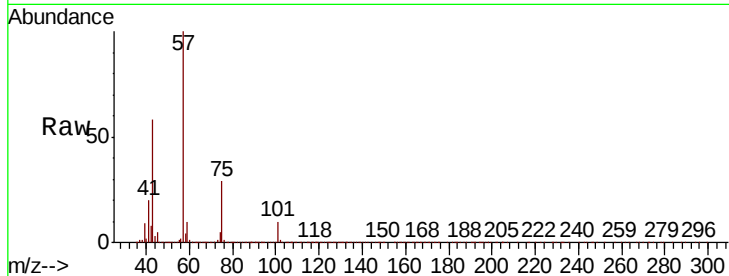
TP-3

Tot Ion: 43 Resp: 116764

Ion Ratio Lower Upper

43 100

58 6.5 32.4 48.6#



#54

cis-1,3-Dichloropropene

Concen: 6.165 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX014512.D

Acq: 09 Jan 2020 21:16

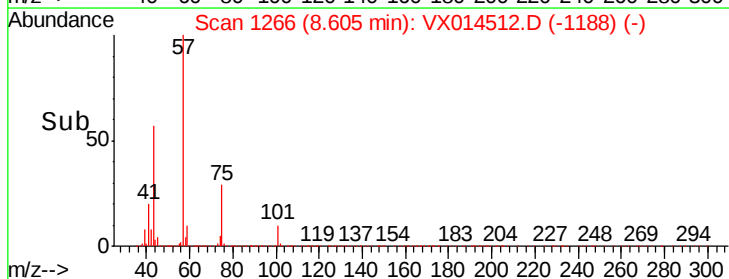
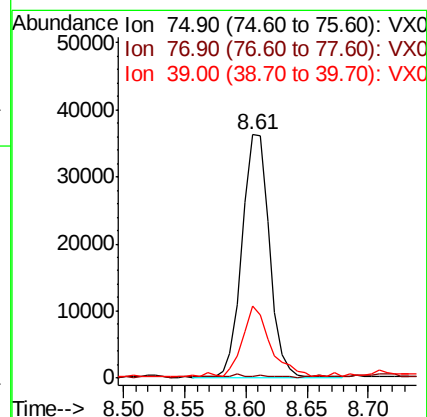
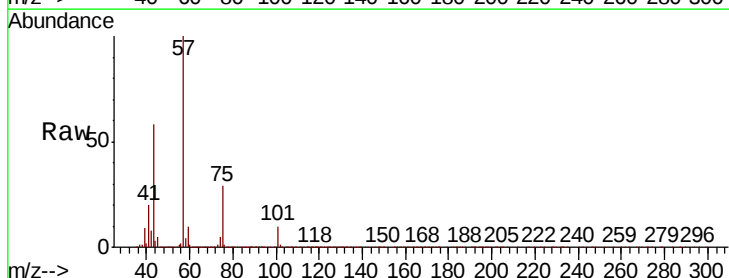
Tgt Ion: 75 Resp: 56825

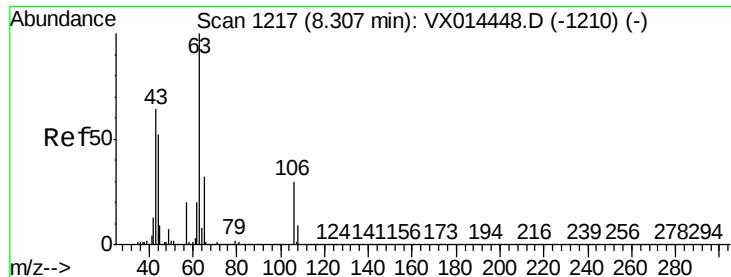
Ion Ratio Lower Upper

75 100

77 0.1 25.0 37.4#

39 28.8 40.7 61.1#

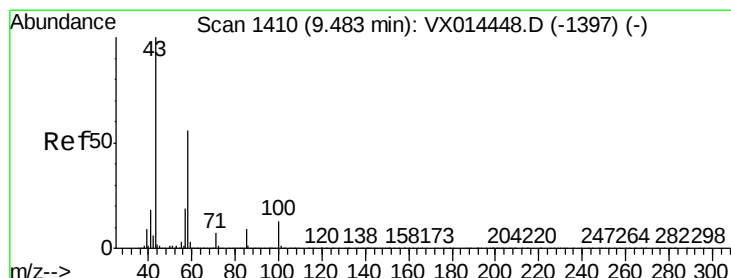
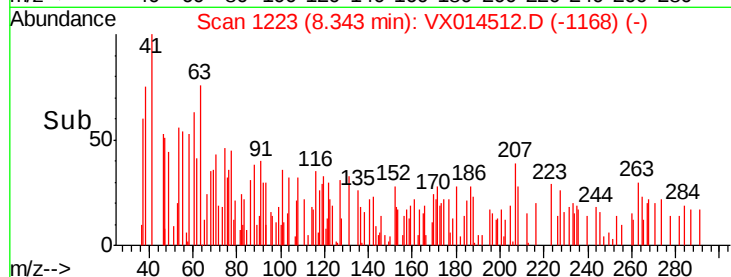
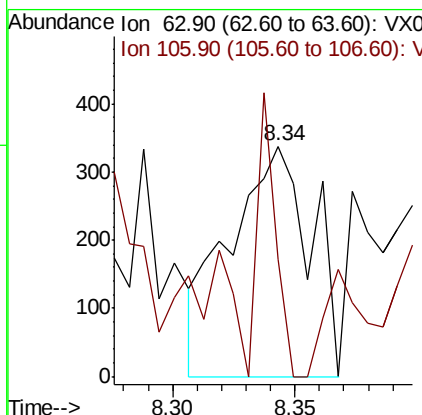
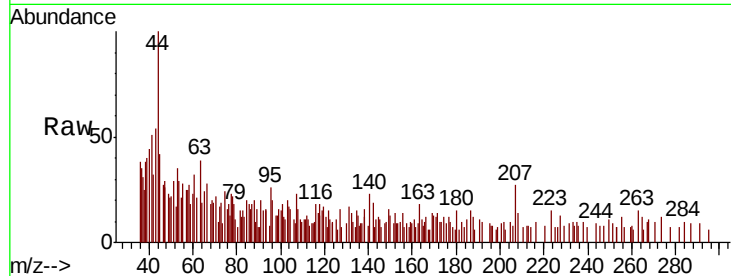




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.260 ug/l
 RT: 8.34 min Scan# 1223
 Delta R.T. 0.04 min
 Lab File: VX014512.D
 Acq: 09 Jan 2020 21:16

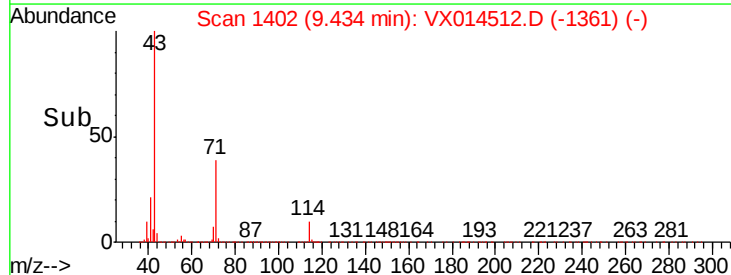
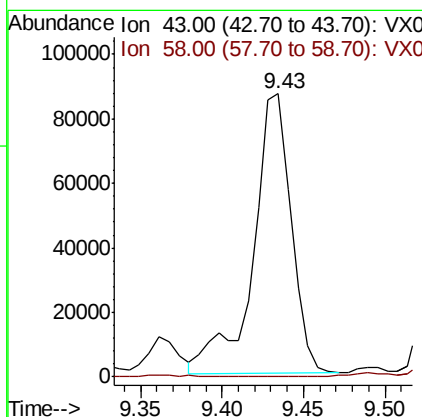
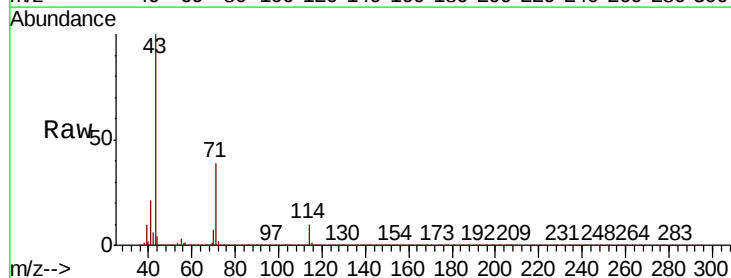
Instrument :
 MSVOA_X
 ClientSampleID :
 TP-3

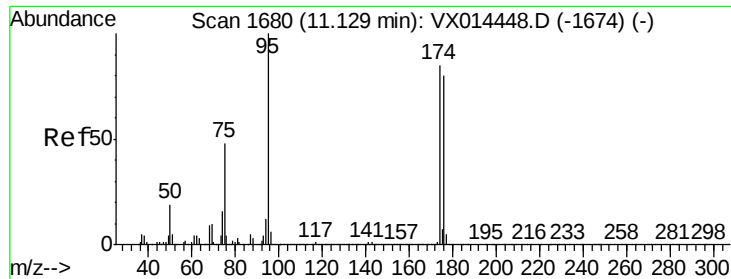
Tot Ion: 63 Resp: 788
 Ion Ratio Lower Upper
 63 100
 106 27.3 23.6 35.4



#59
 2-Hexanone
 Concen: 22.028 ug/l
 RT: 9.43 min Scan# 1402
 Delta R.T. -0.05 min
 Lab File: VX014512.D
 Acq: 09 Jan 2020 21:16

Tgt Ion: 43 Resp: 142137
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.9 83.7#

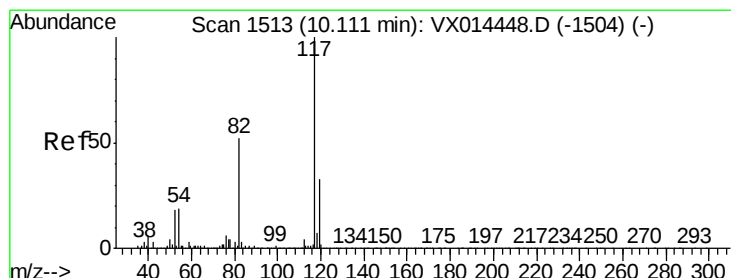
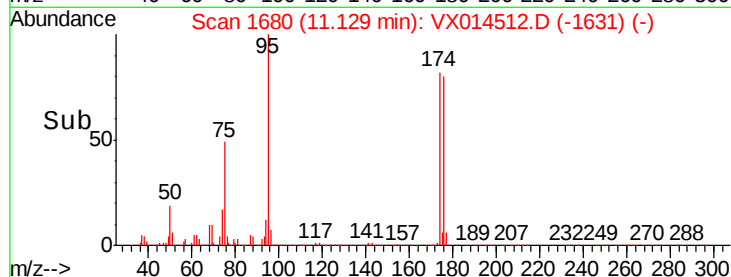
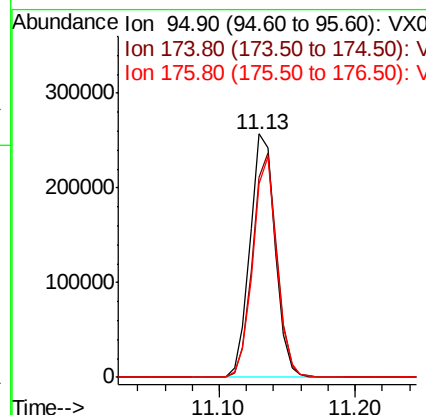
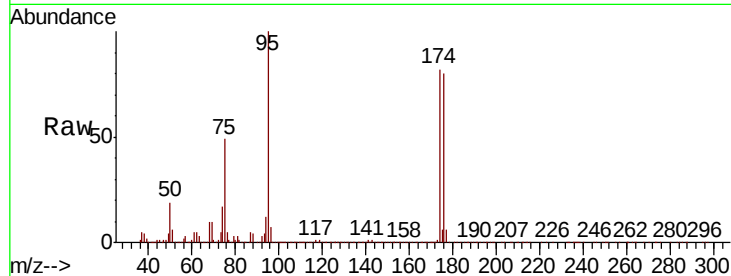




#62
4-Bromofluorobenzene
Concen: 47.842 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014512.D
Acq: 09 Jan 2020 21:16

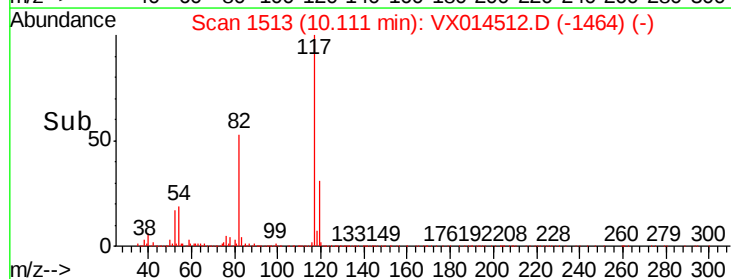
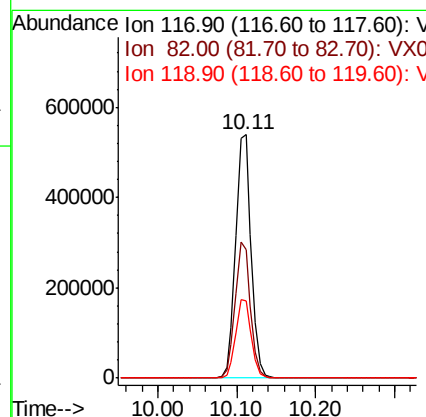
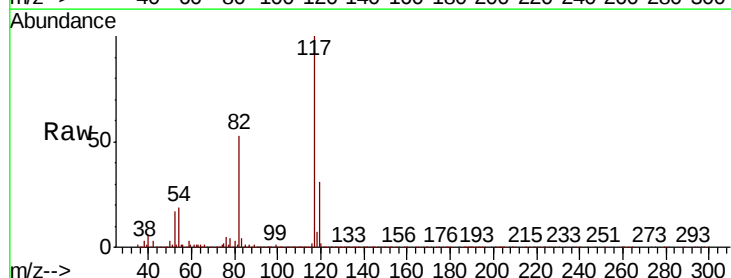
Instrument :
MSVOA_X
ClientSampleId :
TP-3

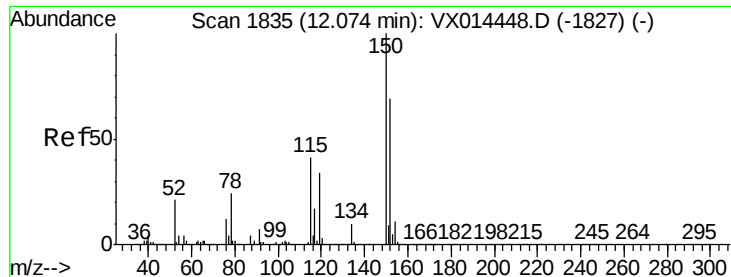
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	180.8
176	86.6	0.0	172.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014512.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.8	62.6
119	31.5	26.2	39.4



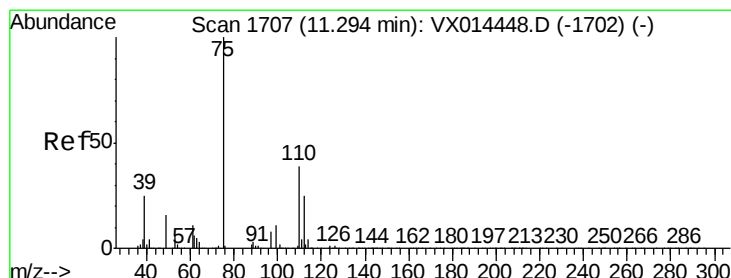
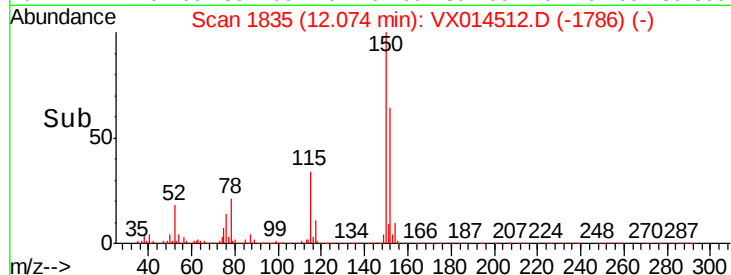
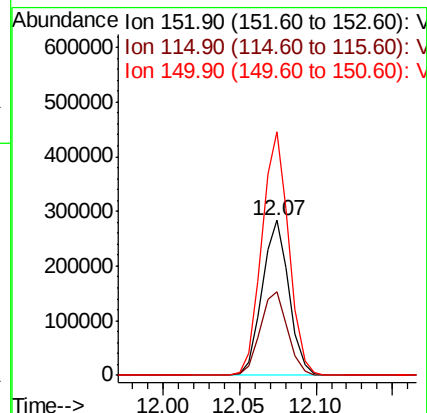
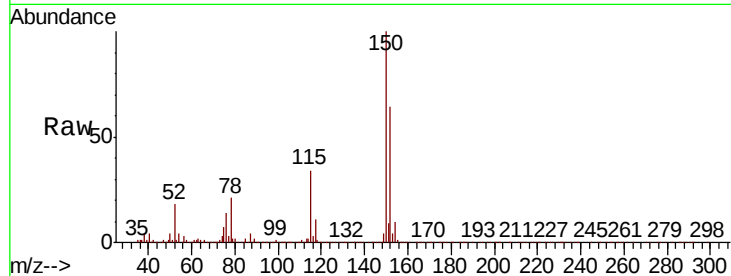


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014512.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_X
ClientSampleId :
TP-3

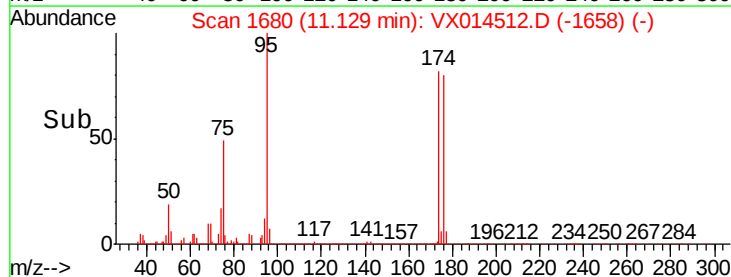
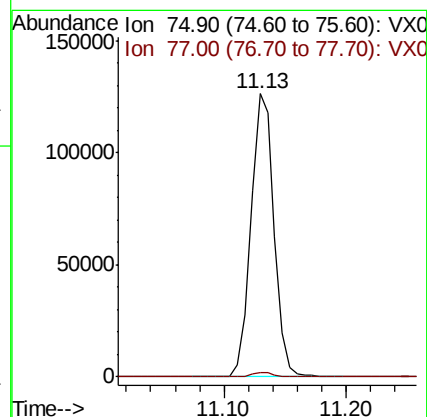
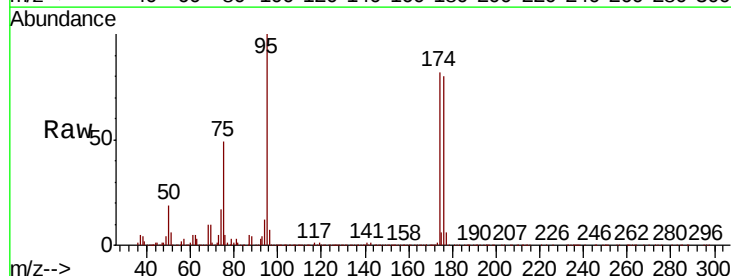
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	39.5	118.3
150	157.7	0.0	350.2

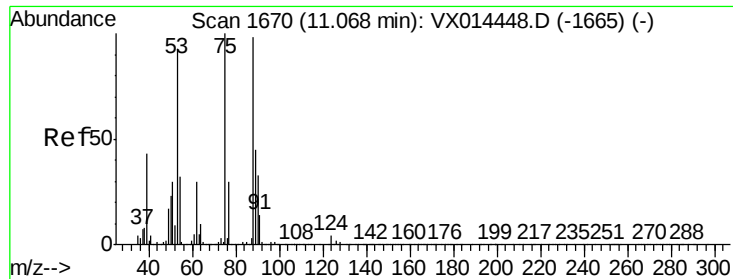


#76

1,2,3-Trichloropropane
Concen: 22.927 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014512.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	21.9	65.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.615 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014512.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_X

ClientSampleId :

TP-3

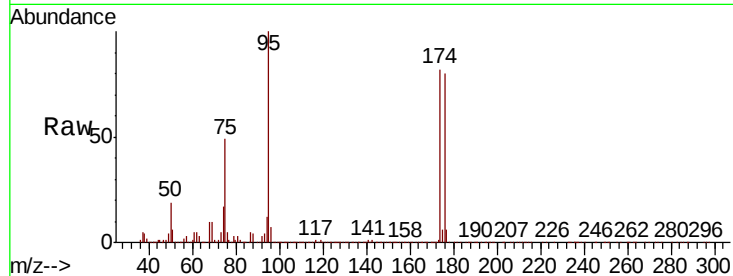
Tot Ion: 75 Resp: 164073

Ion Ratio Lower Upper

75 100

53 0.2 74.8 112.2#

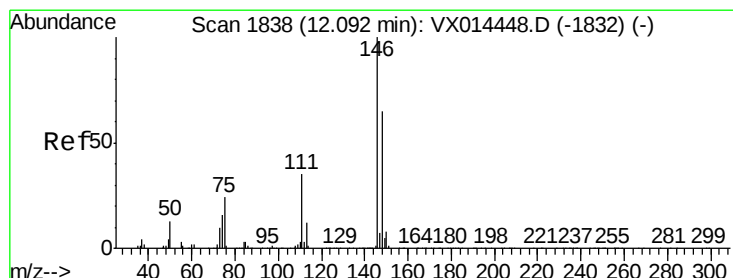
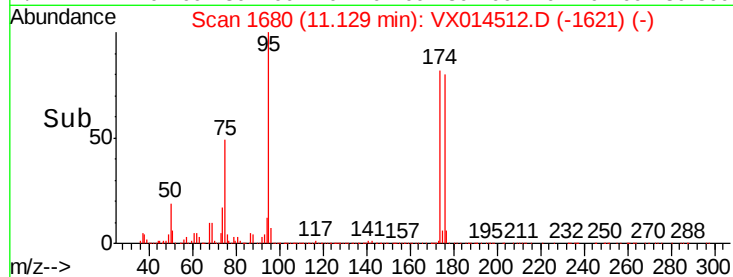
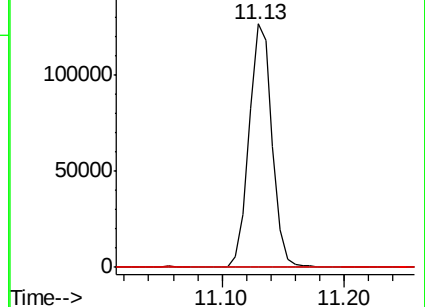
89 0.0 36.3 54.5#



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: Below Cal

RT: 12.10 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VX014512.D

Acq: 09 Jan 2020 21:16

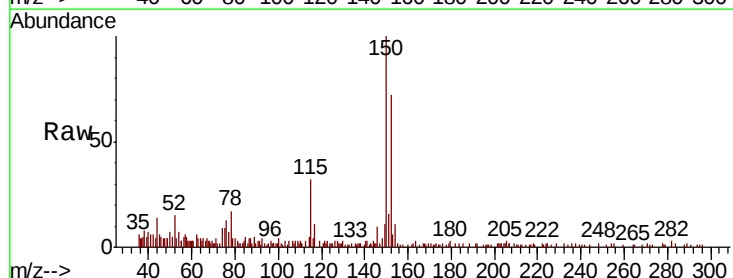
Tgt Ion: 146 Resp: 742

Ion Ratio Lower Upper

146 100

111 0.0 18.1 54.1#

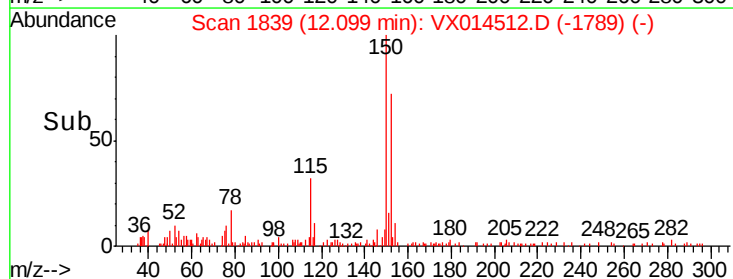
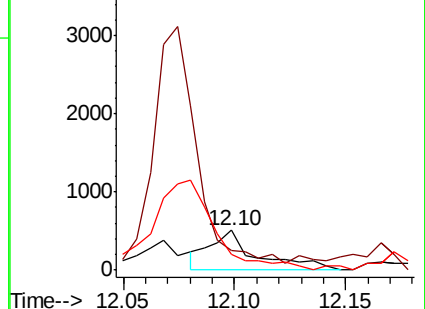
148 0.0 32.1 96.3#

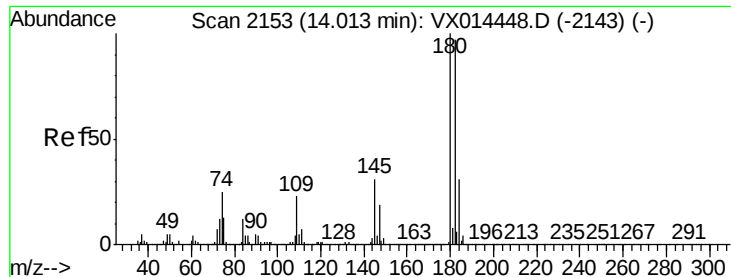


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014512.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Tot Ion	Ratio	Lower	Upper
180	100		
182	242.5	47.9	143.6#
145	110.3	14.8	44.3#

