

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015920.D
 Acq On : 24 Apr 2020 03:12
 Operator : JC/SP
 Sample : L2397-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-COMP

Quant Time: Apr 24 08:32:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	844257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1251717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1234940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	702564	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	458635	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
35) Dibromofluoromethane	5.47	113	369365	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	8.70	98	1556488	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
62) 4-Bromofluorobenzene	11.12	95	656789	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	

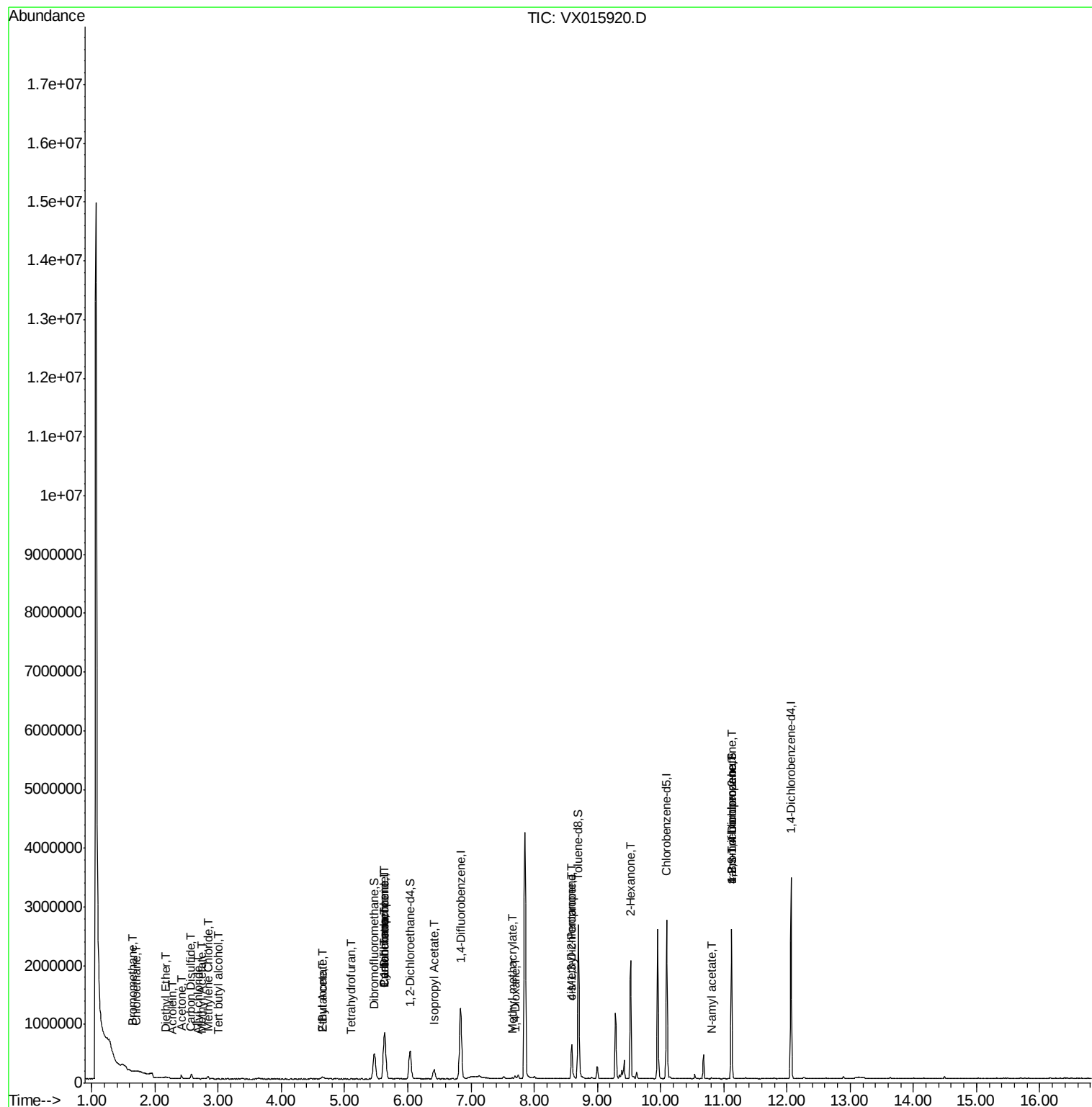
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1255	0.437	ug/l #	6
6) Chloroethane	1.70	64	1224	0.251	ug/l #	42
8) Diethyl Ether	2.17	74	1503	0.349	ug/l	74
11) Tert butyl alcohol	3.00	59	3916	1.996	ug/l #	71
13) Acrolein	2.27	56	391	0.337	ug/l #	1
14) Allyl chloride	2.69	41	3215	0.205	ug/l #	38
16) Acetone	2.42	43	73918	17.679	ug/l	98
17) Carbon Disulfide	2.56	76	14964	0.557	ug/l	96
18) Methyl Acetate	2.75	43	10213	0.740	ug/l	94
20) Methylene Chloride	2.83	84	20212	2.381	ug/l	91
25) 2-Butanone	4.64	43	21087	3.191	ug/l	95
29) Tetrahydrofuran	5.10	42	2209	0.505	ug/l #	77
31) Cyclohexane	5.63	56	14327	1.021	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	54798	4.938	ug/l #	54
37) Ethyl Acetate	4.64	43	21087	1.597	ug/l #	92
38) Carbon Tetrachloride	5.63	117	74736	6.837	ug/l #	17
43) Isopropyl Acetate	6.42	43	241310	10.832	ug/l	100
48) Methyl methacrylate	7.65	41	12779	1.166	ug/l #	19
49) 1,4-Dioxane	7.71	88	621	2.999	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	231924	18.036	ug/l #	54
54) cis-1,3-Dichloropropene	8.60	75	93140	6.244	ug/l #	55
59) 2-Hexanone	9.53	43	236792	24.173	ug/l #	51
74) N-amyl acetate	10.81	43	12670	0.550	ug/l #	55
76) 1,2,3-Trichloropropane	11.12	75	323088	24.184	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	323088	58.174	ug/l #	12

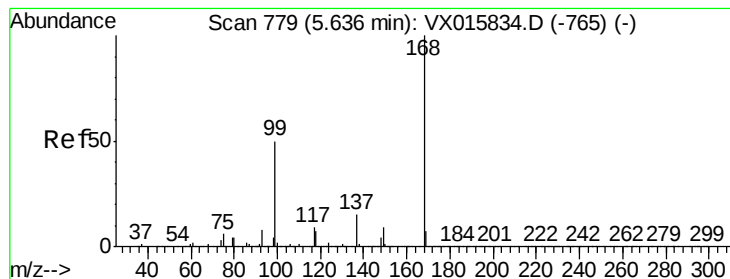
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042320\
Data File : VX015920.D
Acq On : 24 Apr 2020 03:12
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Instrument :
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TP-1-COMP

Quant Time: Apr 24 08:32:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.01 min

Lab File: VX015920.D

Acq: 24 Apr 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

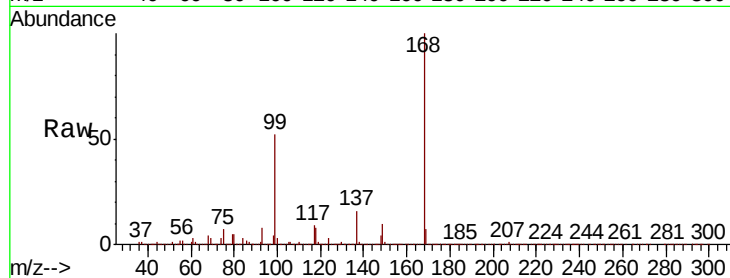
TP-1-COMP

Tot Ion:168 Resp: 844257

Ion Ratio Lower Upper

168 100

99 52.2 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

300000

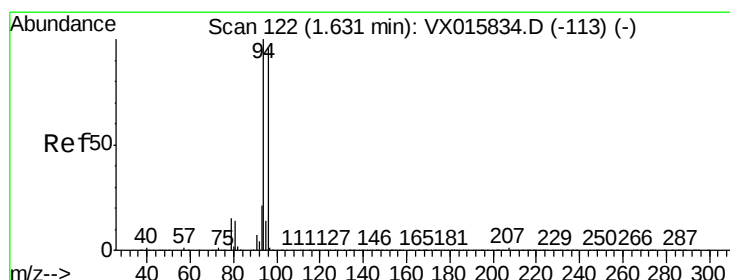
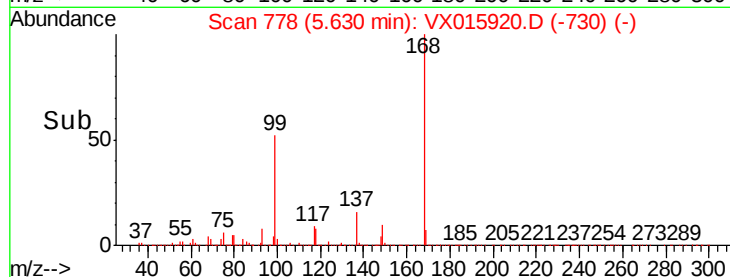
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.437 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX015920.D

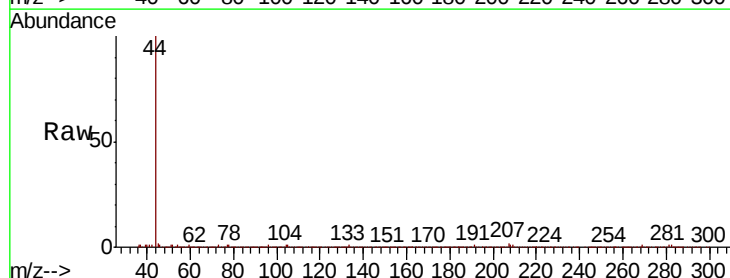
Acq: 24 Apr 2020 03:12

Tgt Ion: 94 Resp: 1255

Ion Ratio Lower Upper

94 100

96 3.7 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1500

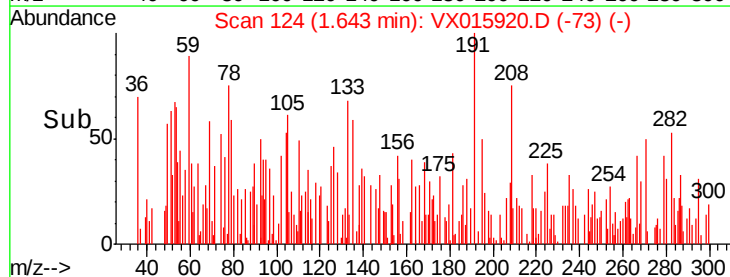
1000

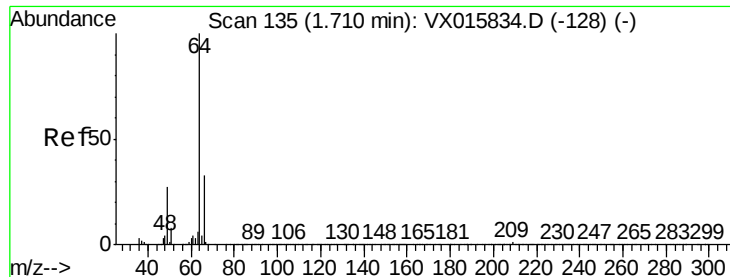
500

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.251 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX015920.D

Acq: 24 Apr 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

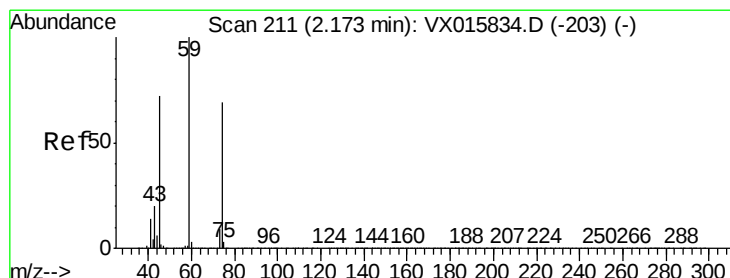
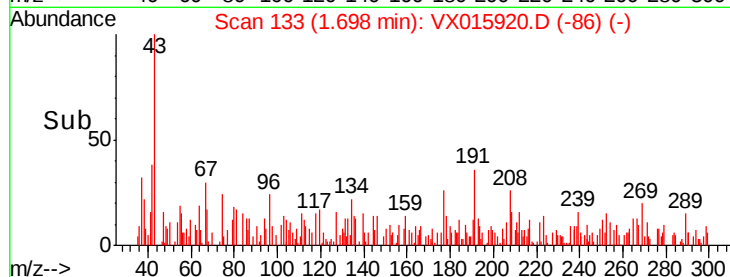
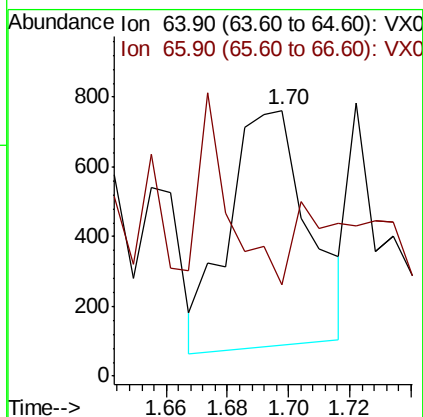
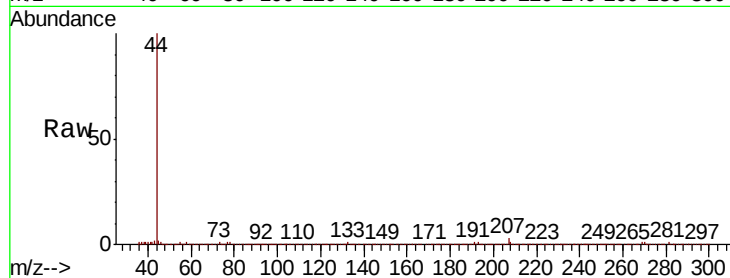
TP-1-COMP

Tot Ion: 64 Resp: 1224

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.2#



#8

Diethyl Ether

Concen: 0.349 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX015920.D

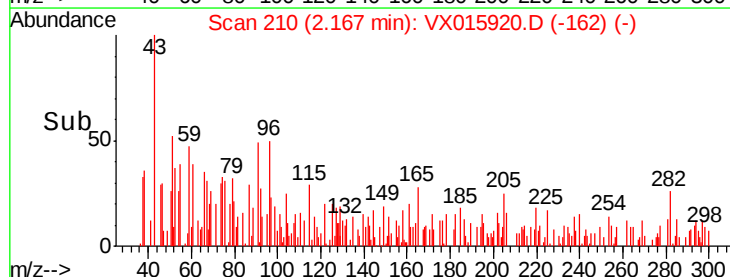
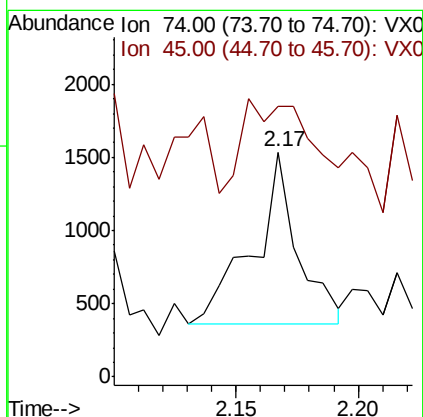
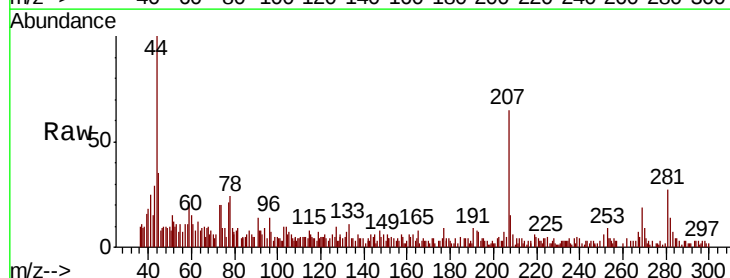
Acq: 24 Apr 2020 03:12

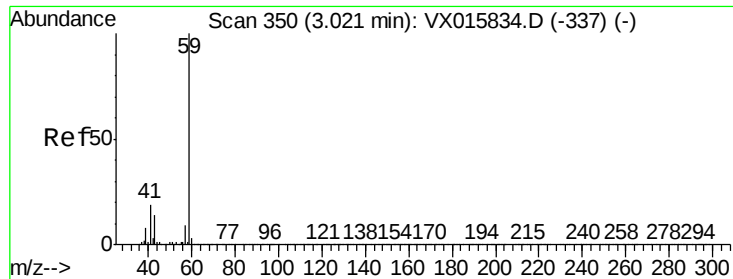
Tgt Ion: 74 Resp: 1503

Ion Ratio Lower Upper

74 100

45 134.3 53.8 161.4

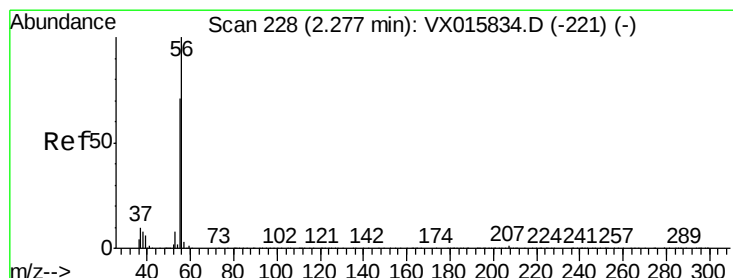
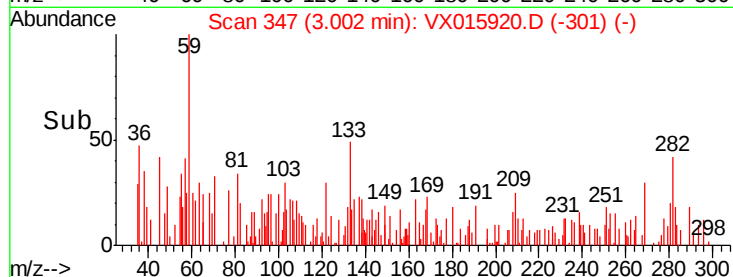
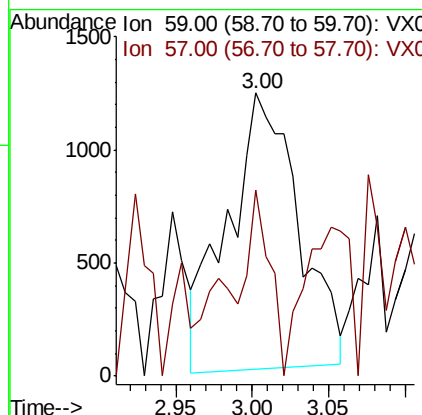
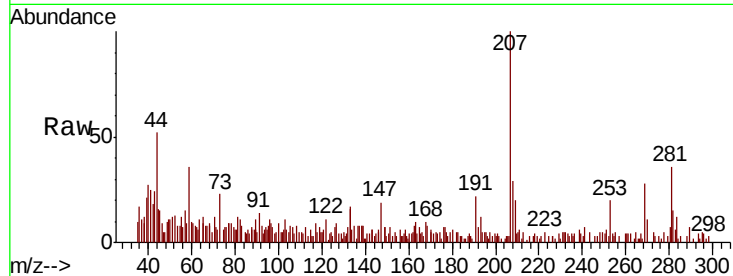




#11
Tert butyl alcohol
Concen: 1.996 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

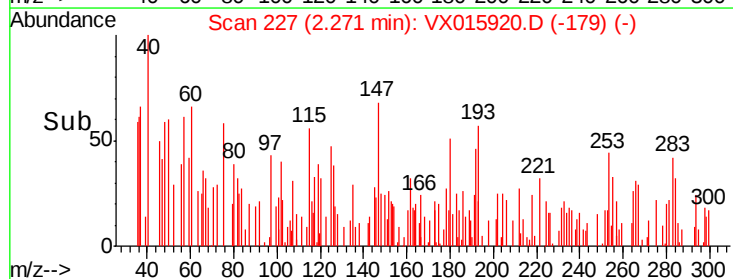
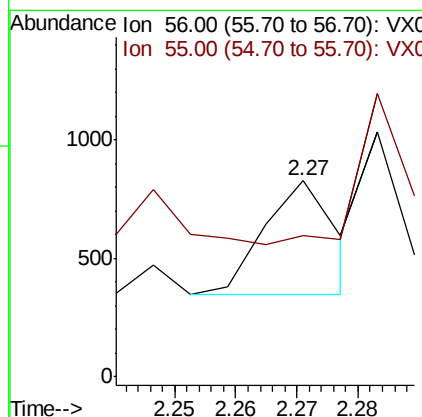
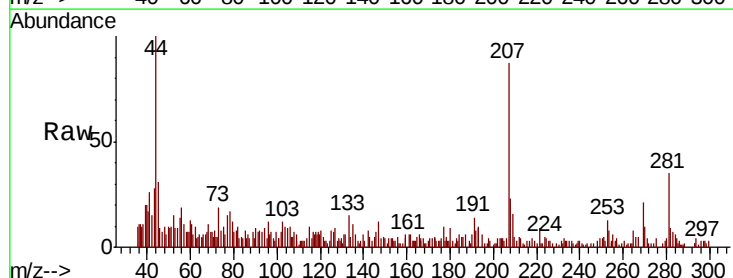
Instrument :
MSVOA_X
ClientSampled :
TP-1-COMP

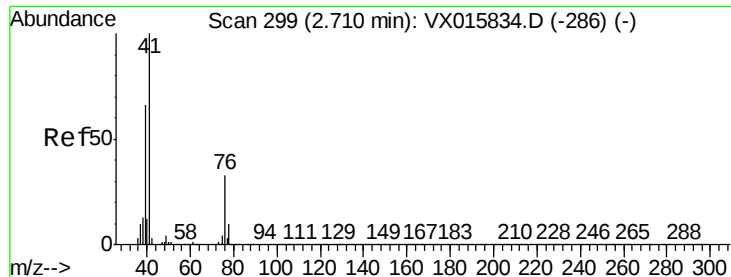
Tot Ion: 59 Resp: 3916
Ion Ratio Lower Upper
59 100
57 21.0 8.2 12.2#



#13
Acrolein
Concen: 0.337 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

Tgt Ion: 56 Resp: 391
Ion Ratio Lower Upper
56 100
55 216.9 56.1 84.1#

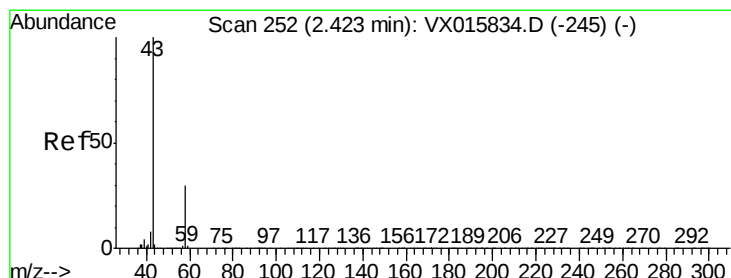
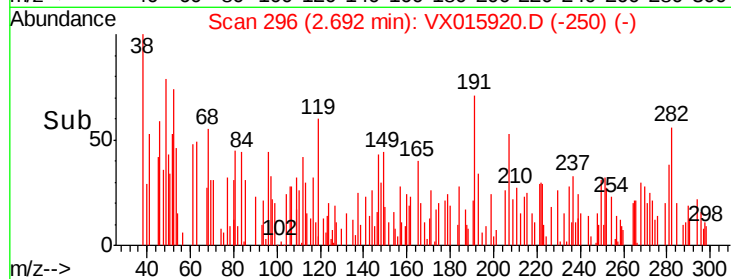
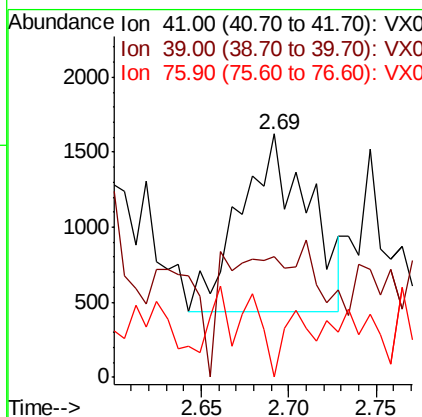
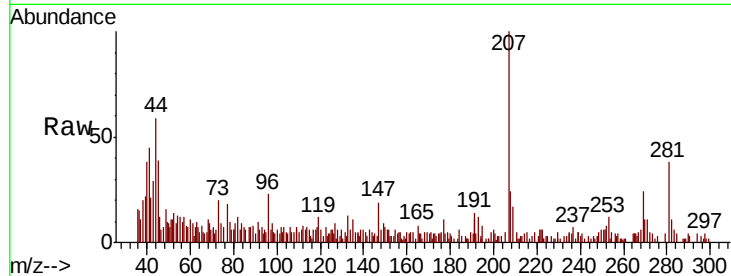




#14
Allvl chloride
Concen: 0.205 ug/l
RT: 2.69 min Scan# 296
Delta R.T. -0.02 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

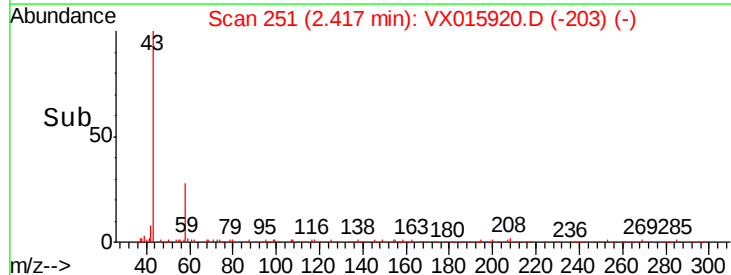
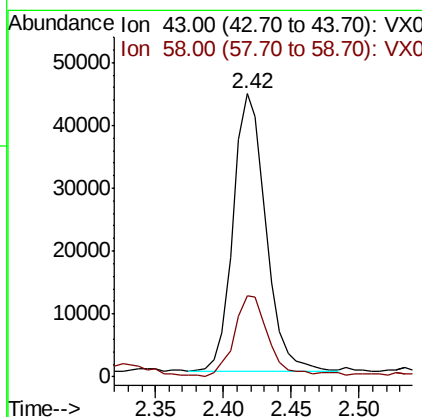
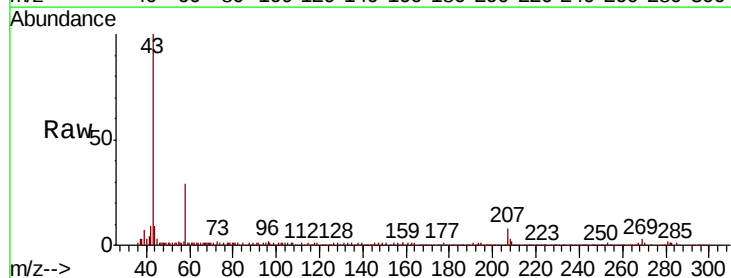
Instrument :
MSVOA_X
ClientSampleId :
TP-1-COMP

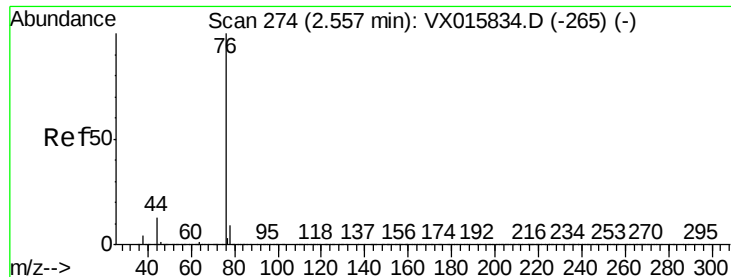
Tot Ion: 41 Resp: 3215
Ion Ratio Lower Upper
41 100
39 0.0 48.4 72.6#
76 15.3 23.8 35.8#



#16
Acetone
Concen: 17.679 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.01 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

Tgt Ion: 43 Resp: 73918
Ion Ratio Lower Upper
43 100
58 28.7 24.0 36.0





#17

Carbon Disulfide

Concen: 0.557 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX015920.D

Acq: 24 Apr 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

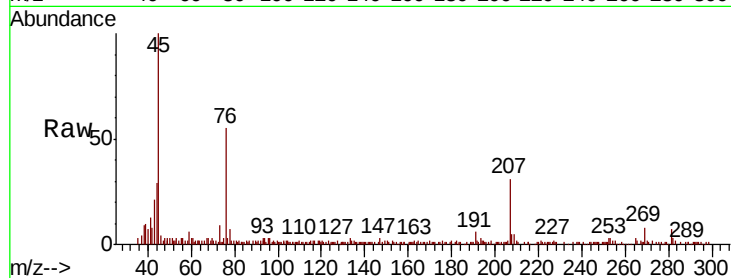
TP-1-COMP

Tot Ion: 76 Resp: 14964

Ion Ratio Lower Upper

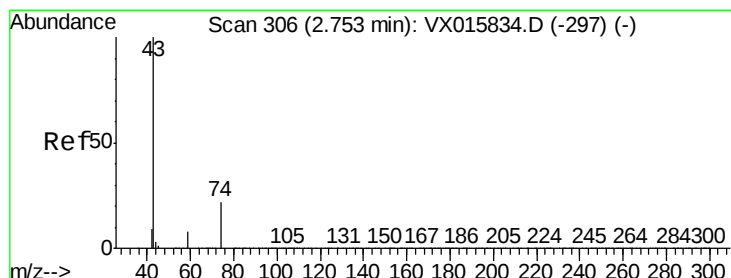
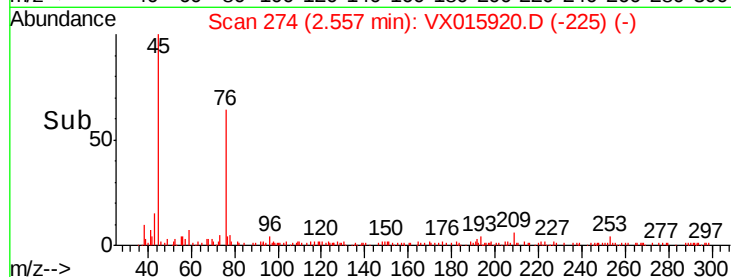
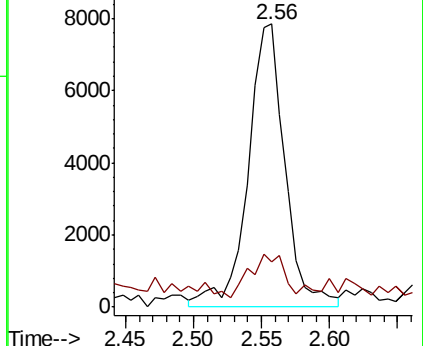
76 100

78 10.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.740 ug/l

RT: 2.75 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX015920.D

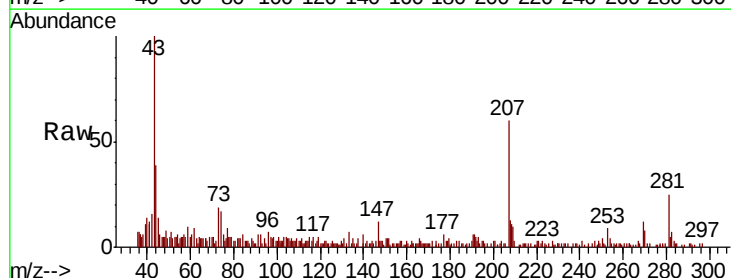
Acq: 24 Apr 2020 03:12

Tgt Ion: 43 Resp: 10213

Ion Ratio Lower Upper

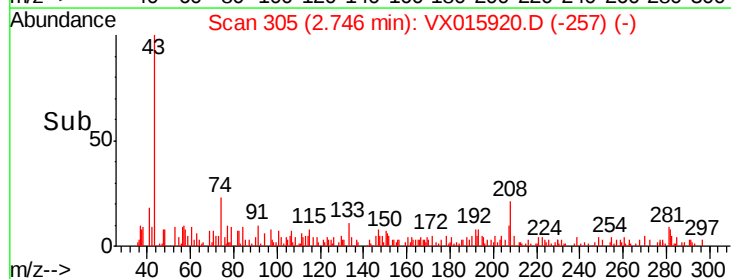
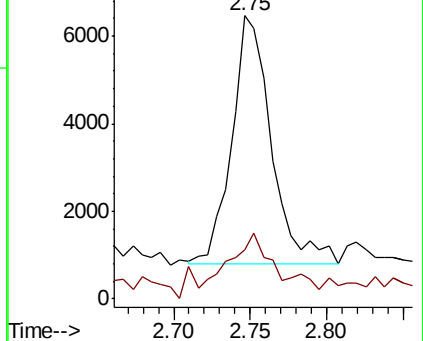
43 100

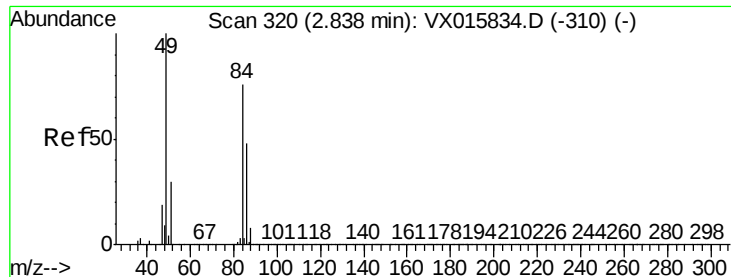
74 25.3 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

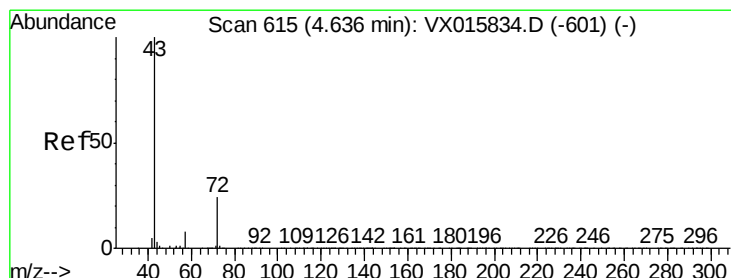
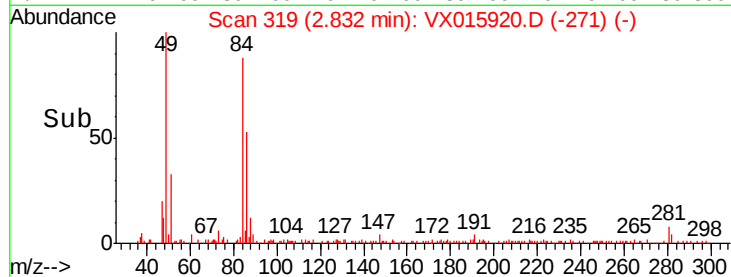
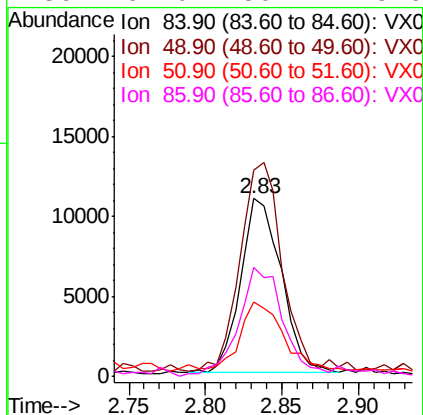
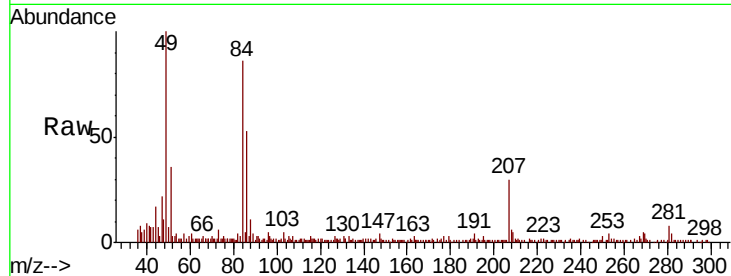




#20
Methvlene Chloride
Concen: 2.381 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.01 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

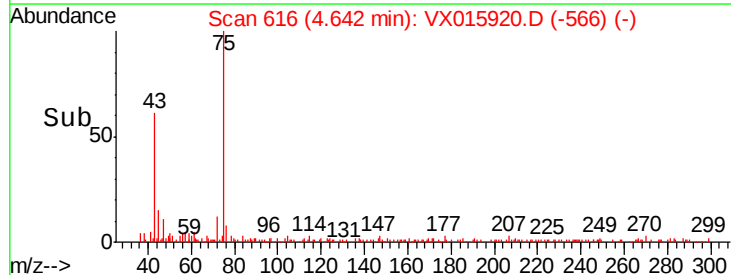
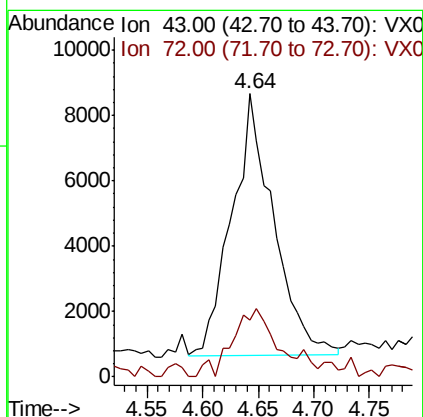
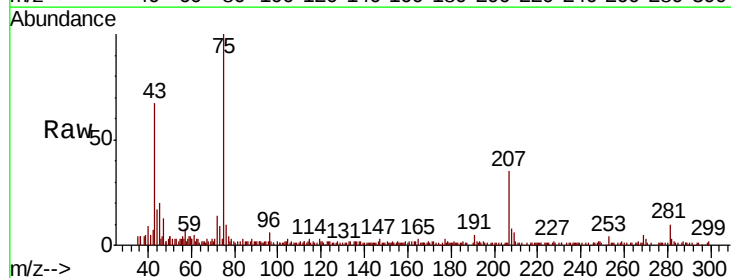
Instrument :
MSVOA_X
ClientSampleId :
TP-1-COMP

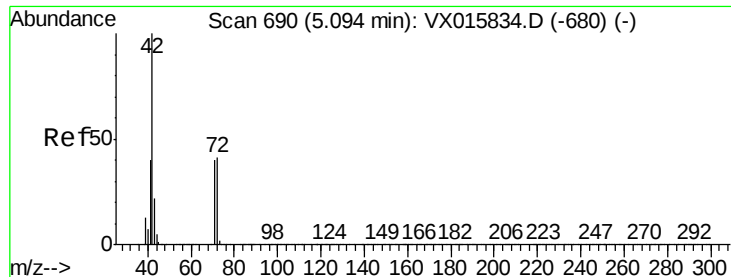
Tot Ion:	84	Resp:	20212
Ion	Ratio	Lower	Upper
84	100		
49	115.1	104.9	157.3
51	38.3	32.0	48.0
86	61.0	50.4	75.6



#25
2-Butanone
Concen: 3.191 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

Tgt Ion:	43	Resp:	21087
Ion	Ratio	Lower	Upper
43	100		
72	21.9	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.505 ug/l

RT: 5.10 min Scan# 691

Delta R.T. 0.01 min

Lab File: VX015920.D

Acq: 24 Apr 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

TP-1-COMP

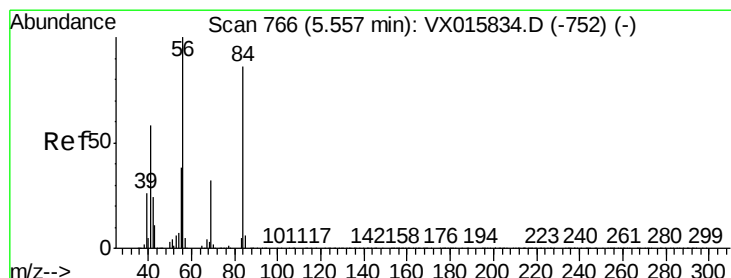
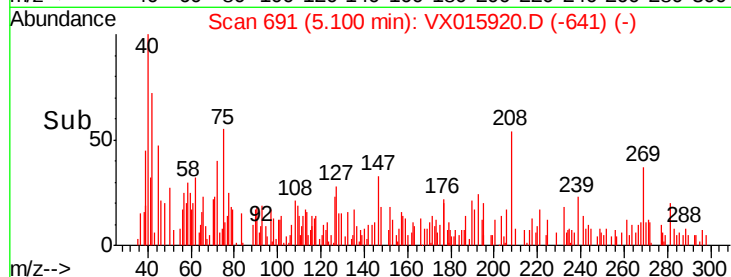
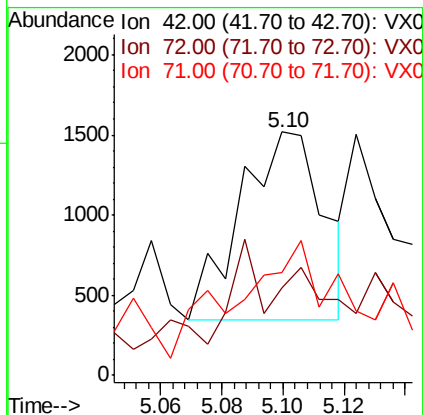
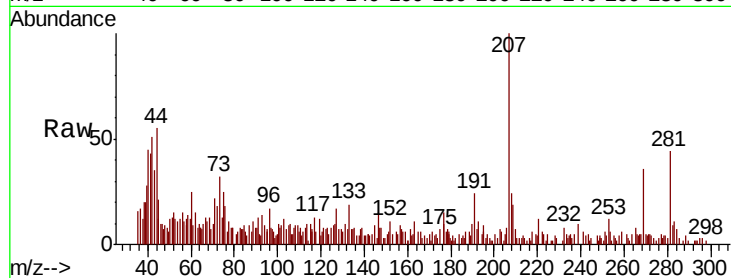
Tot Ion: 42 Resp: 2209

Ion Ratio Lower Upper

42 100

72 23.0 33.0 49.6#

71 48.7 30.6 45.8#



#31

Cyclohexane

Concen: 1.021 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.07 min

Lab File: VX015920.D

Acq: 24 Apr 2020 03:12

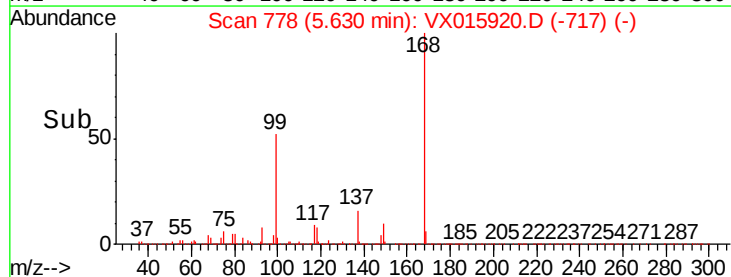
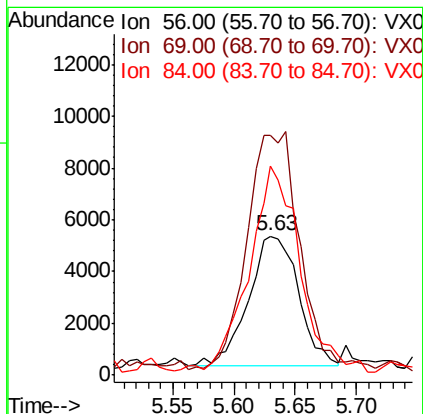
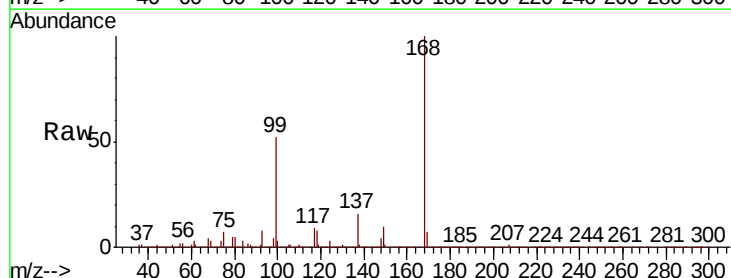
Tgt Ion: 56 Resp: 14327

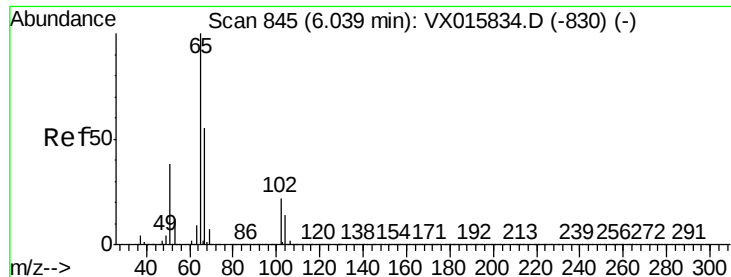
Ion Ratio Lower Upper

56 100

69 180.5 25.3 37.9#

84 148.8 69.1 103.7#

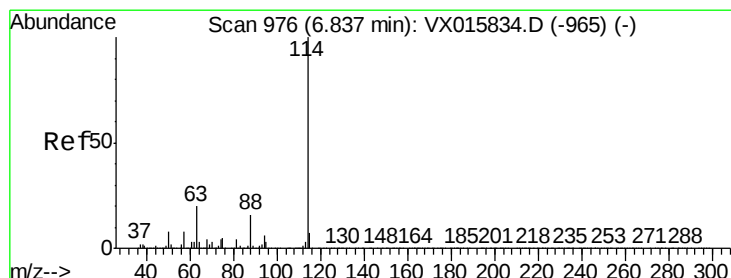
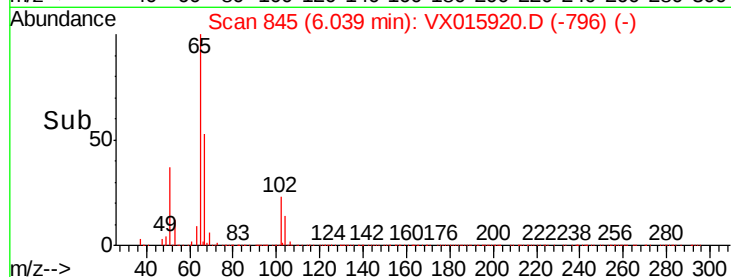
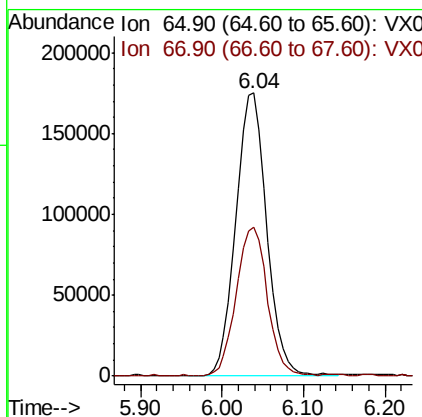
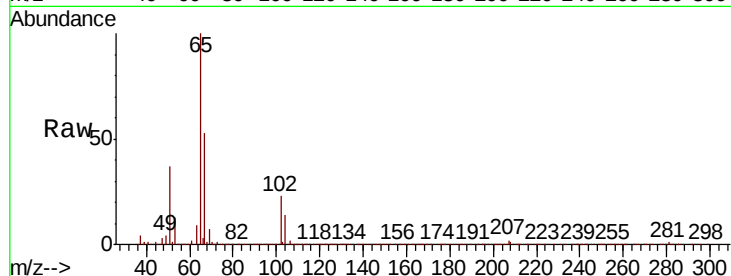




#33
 1,2-Dichloroethane-d4
 Concen: 47.763 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: VX015920.D
 Acq: 24 Apr 2020 03:12

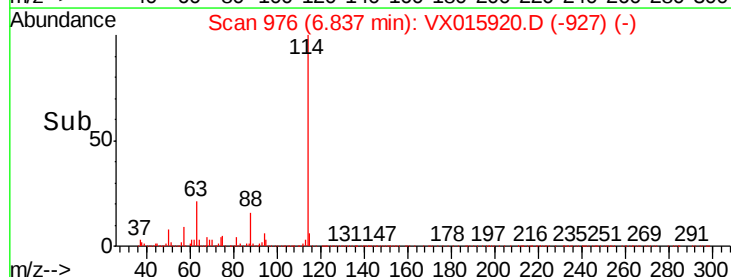
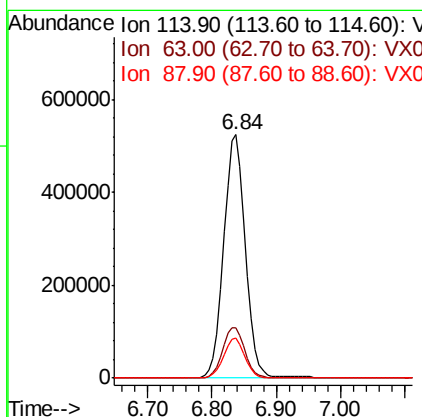
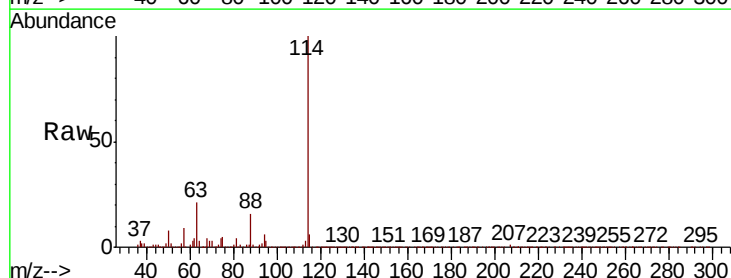
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-COMP

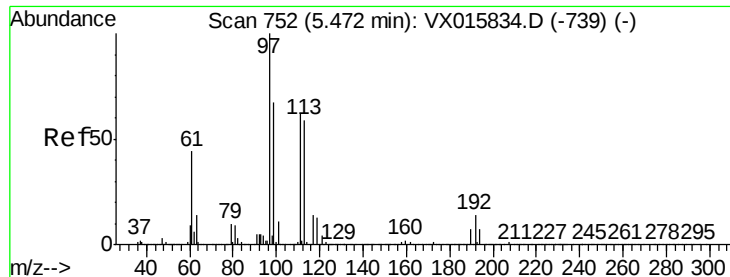
Tot Ion: 65 Resp: 458635
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015920.D
 Acq: 24 Apr 2020 03:12

Tgt Ion: 114 Resp: 1251717
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.6
 88 16.3 0.0 32.8

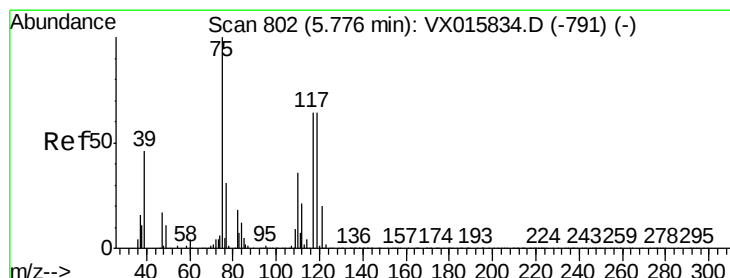
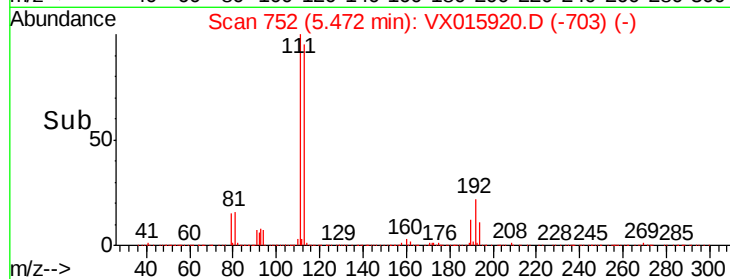
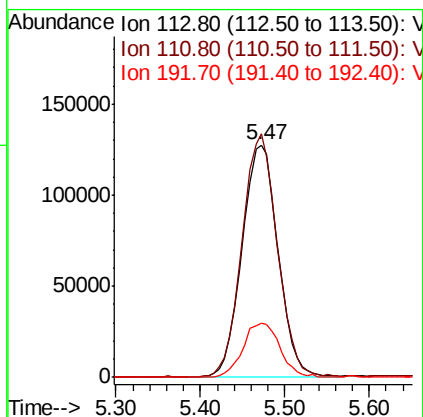
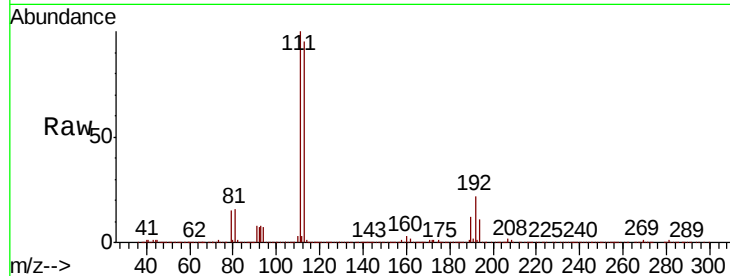




#35
Dibromofluoromethane
Concen: 51.122 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

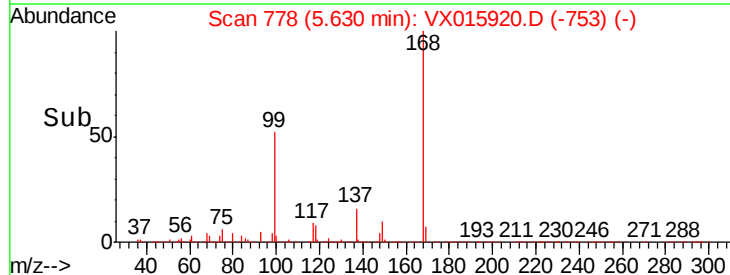
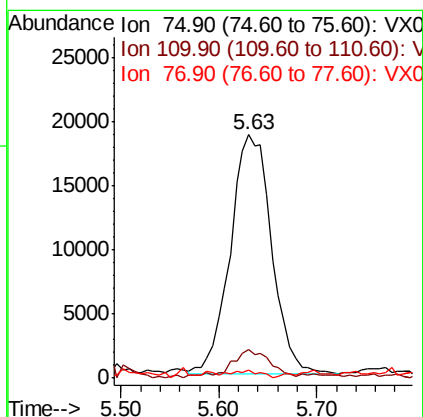
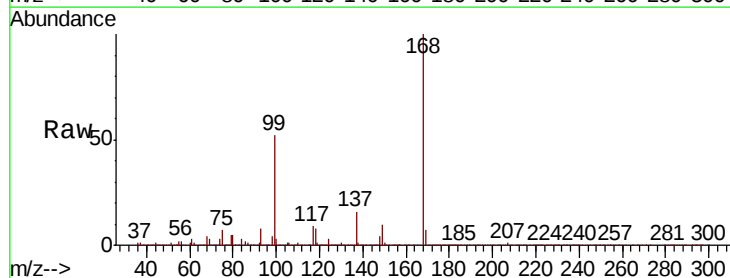
Instrument :
MSVOA_X
ClientSampleId :
TP-1-COMP

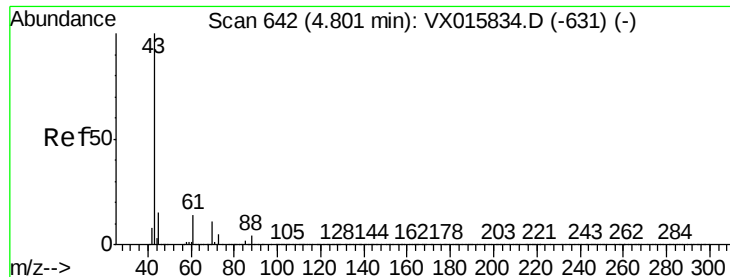
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.7	124.1
192	24.2	19.3	28.9



#36
1,1-Dichloropropene
Concen: 4.938 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.15 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	17.9	53.8#
77	2.4	24.5	36.7#

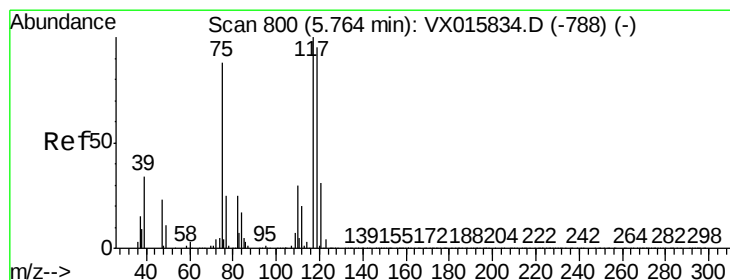
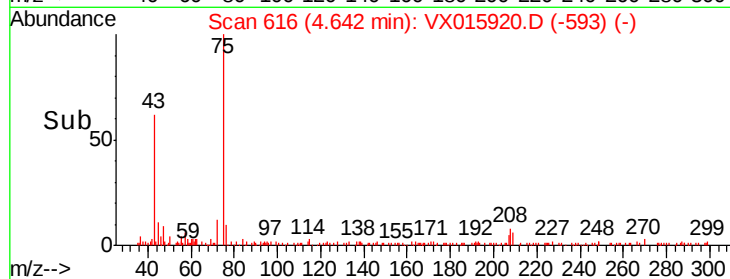
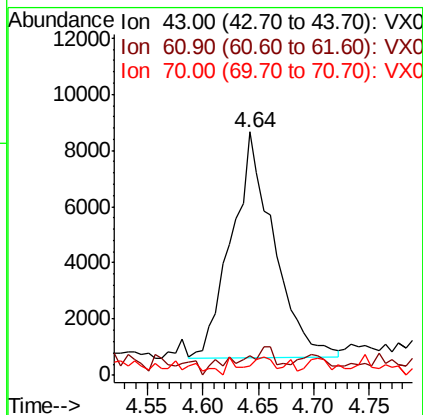
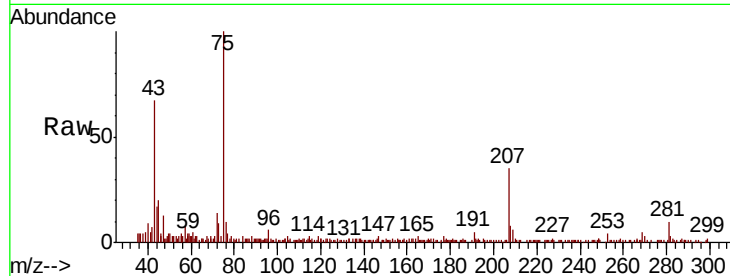




#37
Ethyl Acetate
Concen: 1.597 ug/l
RT: 4.64 min Scan# 616
Delta R.T. -0.16 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

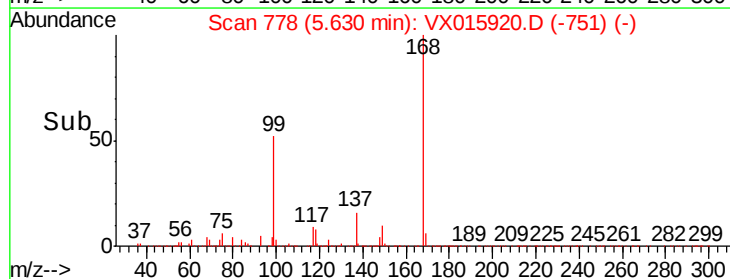
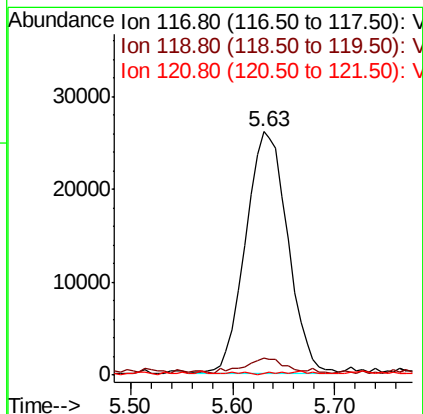
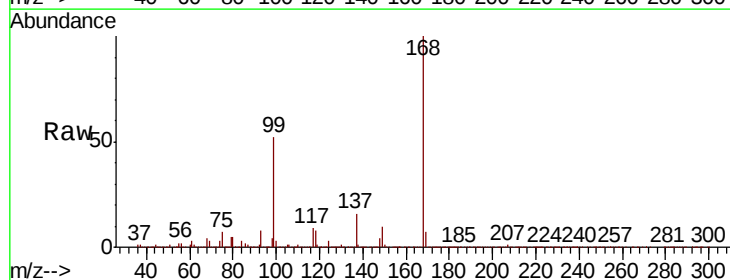
Instrument :
MSVOA_X
ClientSampleId :
TP-1-COMP

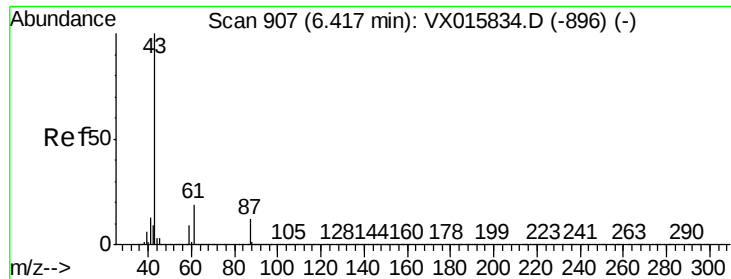
Tot Ion: 43 Resp: 21087
Ion Ratio Lower Upper
43 100
61 12.7 10.8 16.2
70 4.4 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 6.837 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.13 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

Tgt Ion: 117 Resp: 74736
Ion Ratio Lower Upper
117 100
119 6.1 75.7 113.5#
121 0.0 25.0 37.6#



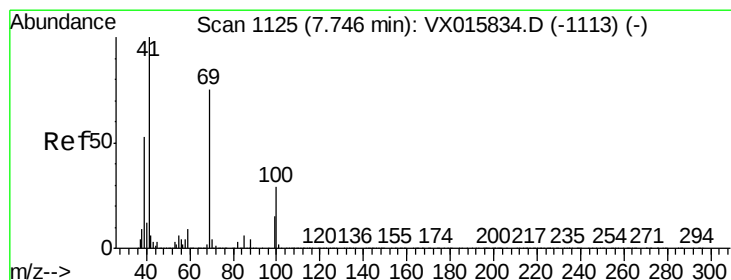
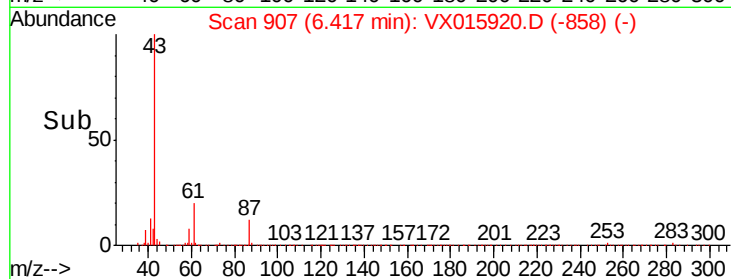
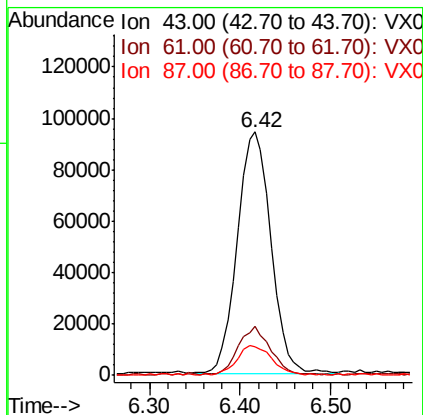
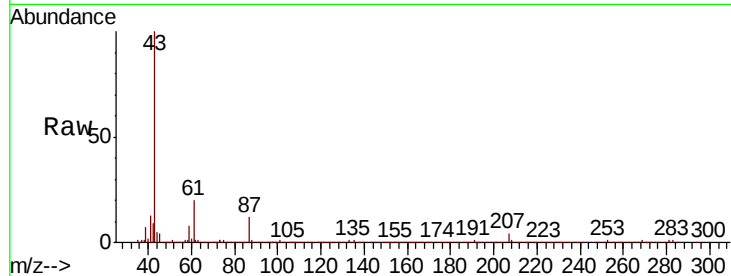


#43

Isopropyl Acetate
 Concen: 10.832 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VX015920.D
 Acq: 24 Apr 2020 03:12

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-COMP

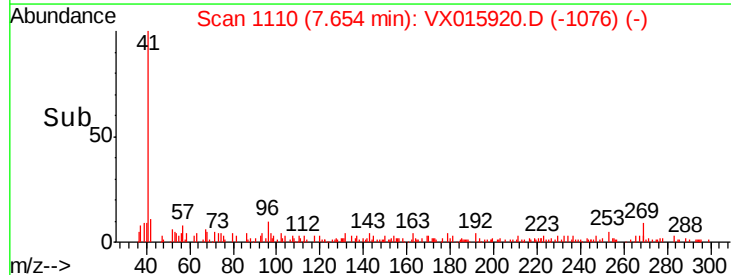
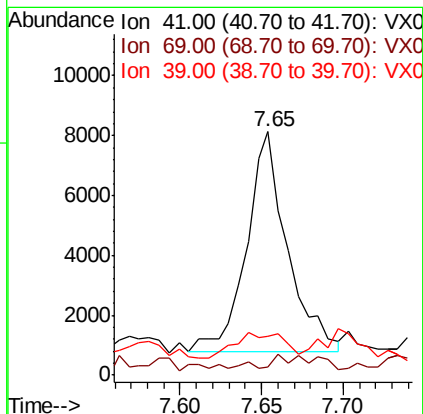
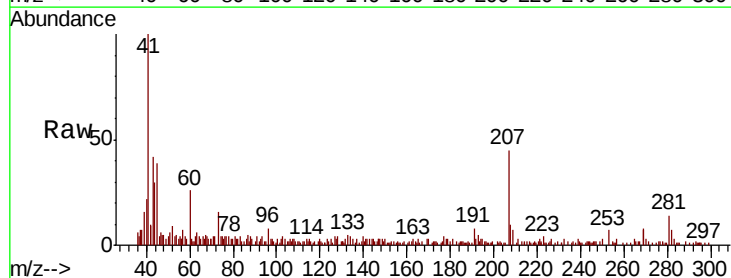
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.2
87	12.4	9.8	14.6

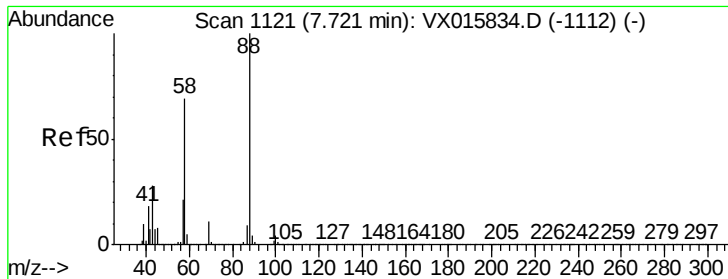


#48

Methyl methacrylate
 Concen: 1.166 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.09 min
 Lab File: VX015920.D
 Acq: 24 Apr 2020 03:12

Tgt Ion	Ratio	Lower	Upper
41	100		
69	1.8	60.5	90.7#
39	0.0	42.1	63.1#

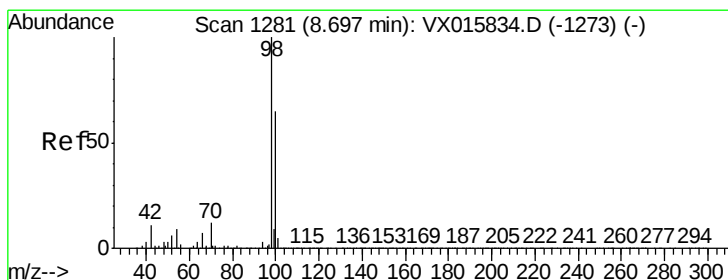
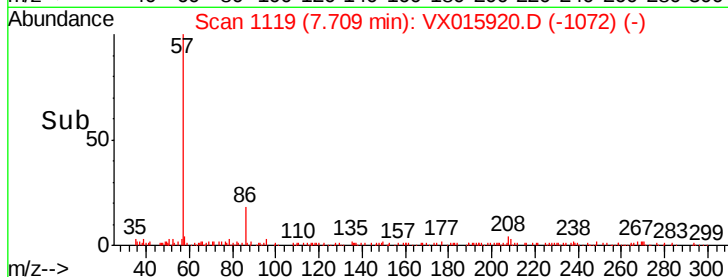
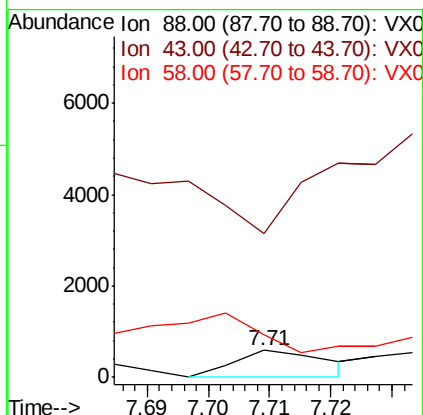
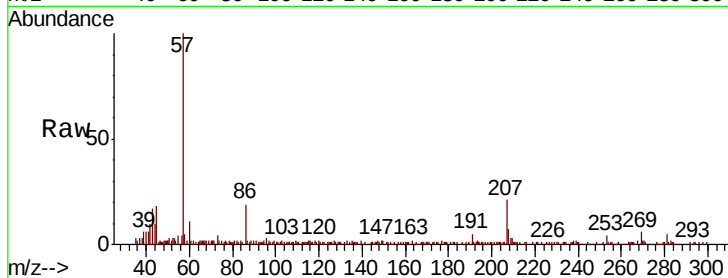




#49
1,4-Dioxane
Concen: 2.999 ug/l
RT: 7.71 min Scan# 1119
Delta R.T. -0.01 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

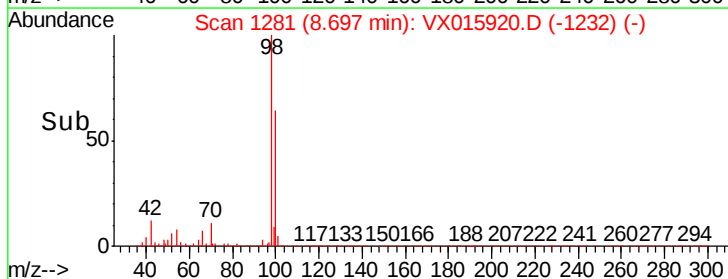
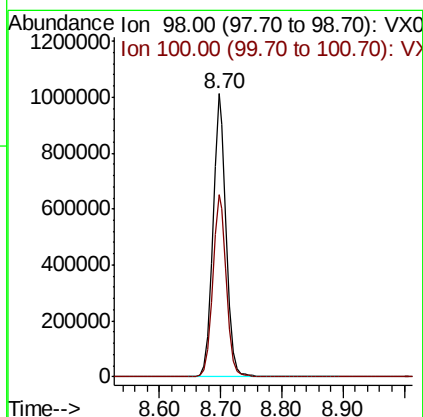
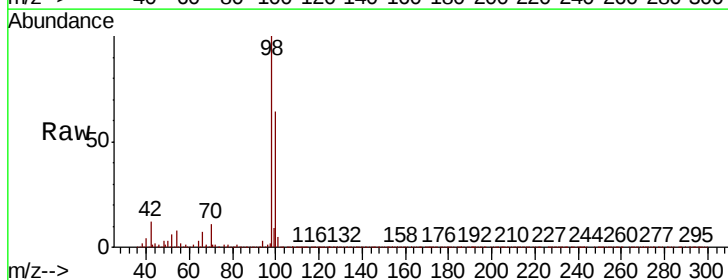
Instrument :
MSVOA_X
ClientSampleId :
TP-1-COMP

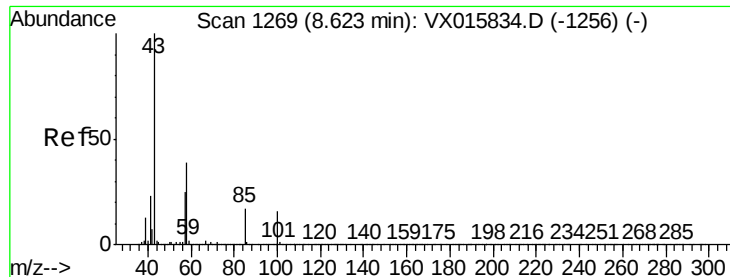
Tot Ion: 88 Resp: 621
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 311.3 58.9 88.3#



#50
Toluene-d8
Concen: 53.513 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

Tgt Ion: 98 Resp: 1556488
Ion Ratio Lower Upper
98 100
100 66.4 53.8 80.6

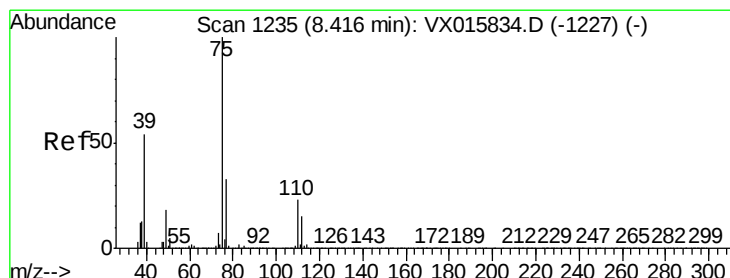
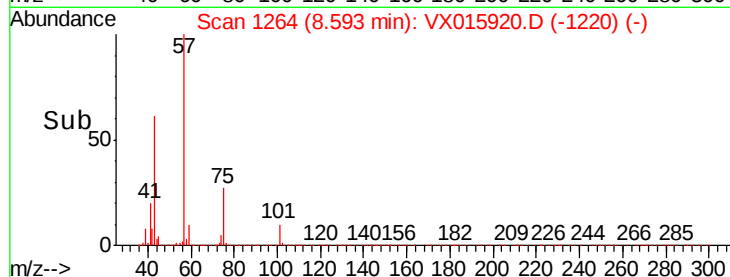
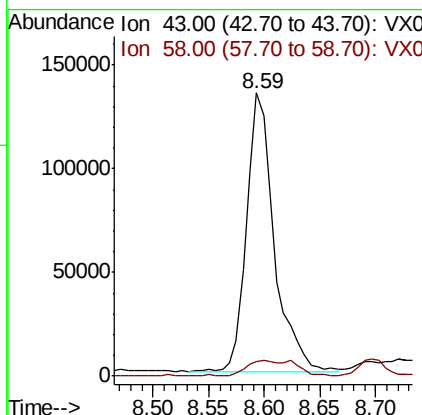
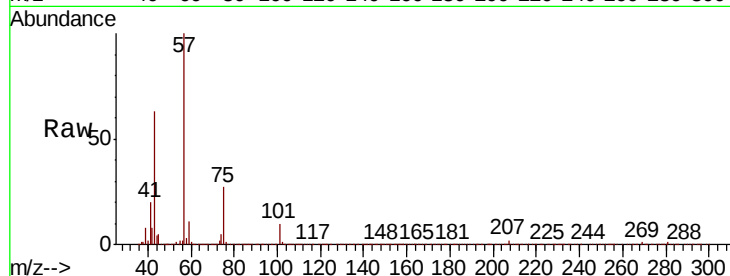




#51
 4-Methyl-2-Pentanone
 Concen: 18.036 ug/l
 RT: 8.59 min Scan# 1264
 Delta R.T. -0.03 min
 Lab File: VX015920.D
 Acq: 24 Apr 2020 03:12

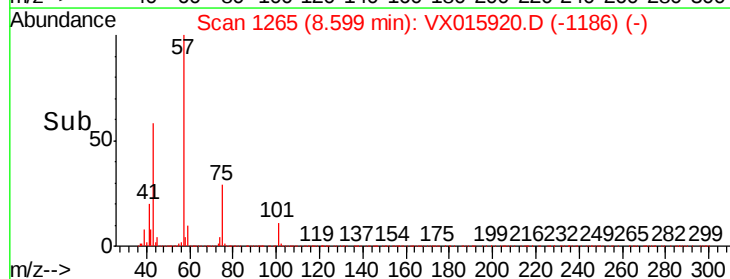
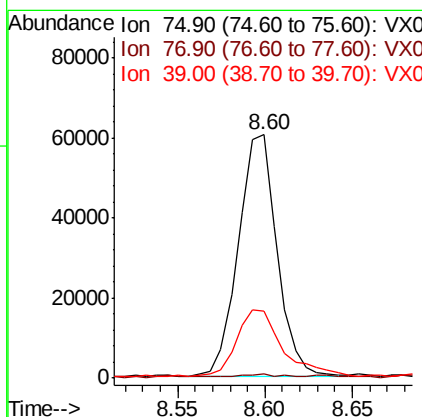
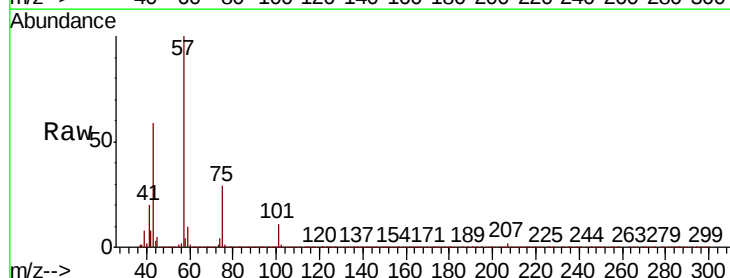
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-COMP

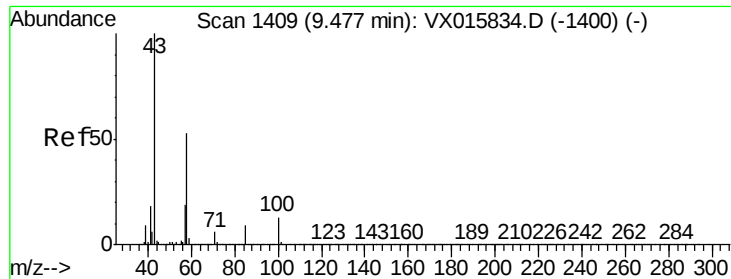
Tot Ion: 43 Resp: 231924
 Ion Ratio Lower Upper
 43 100
 58 10.2 30.6 45.8#



#54
 cis-1,3-Dichloropropene
 Concen: 6.244 ug/l
 RT: 8.60 min Scan# 1265
 Delta R.T. 0.18 min
 Lab File: VX015920.D
 Acq: 24 Apr 2020 03:12

Tgt Ion: 75 Resp: 93140
 Ion Ratio Lower Upper
 75 100
 77 0.9 26.0 39.0#
 39 26.9 42.8 64.2#

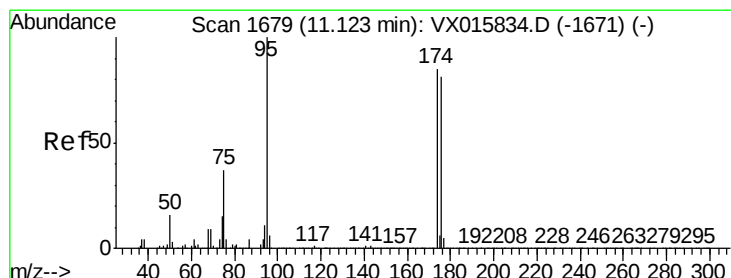
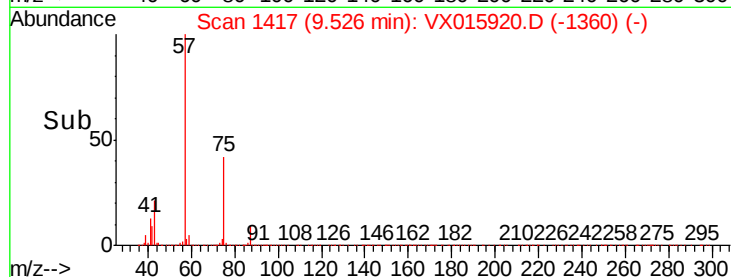
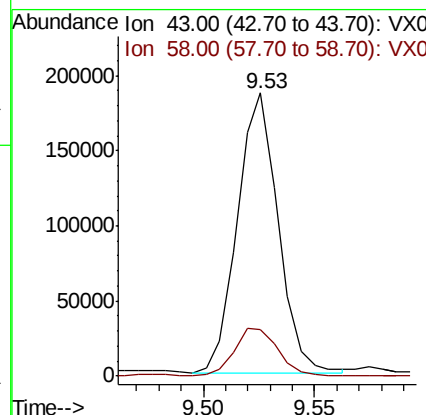
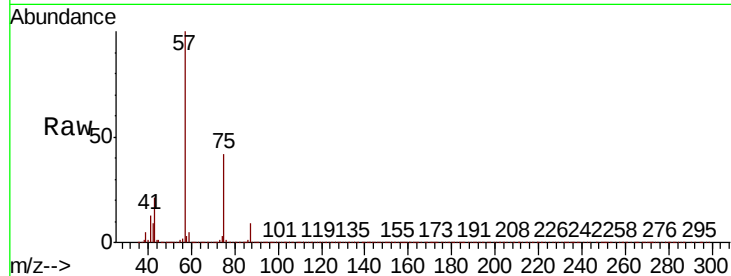




#59
2-Hexanone
Concen: 24.173 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

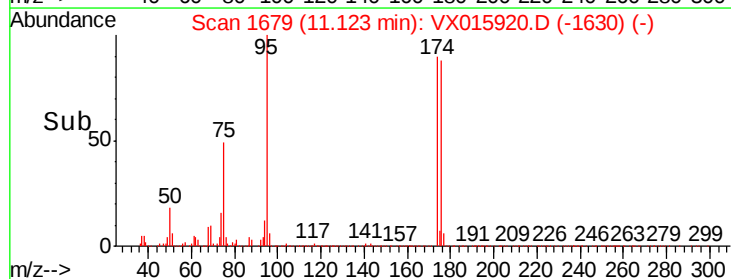
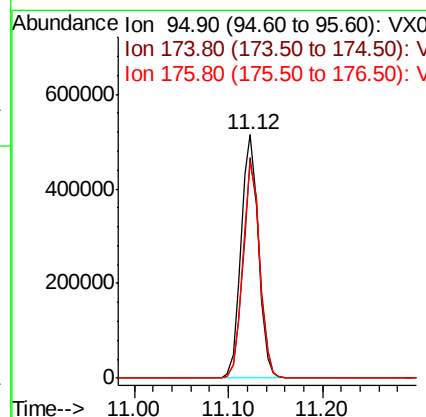
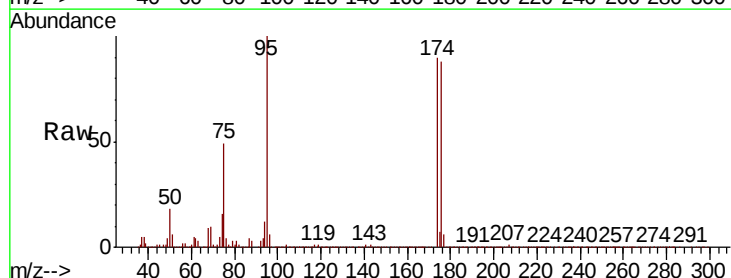
Instrument :
MSVOA_X
ClientSampleId :
TP-1-COMP

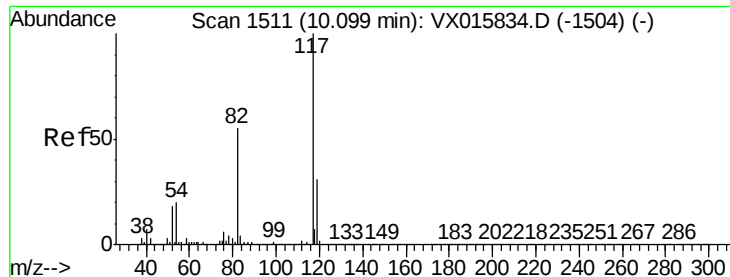
Tot Ion: 43 Resp: 236792
Ion Ratio Lower Upper
43 100
58 18.0 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 55.045 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

Tgt Ion: 95 Resp: 656789
Ion Ratio Lower Upper
95 100
174 85.8 0.0 172.4
176 86.5 0.0 167.0

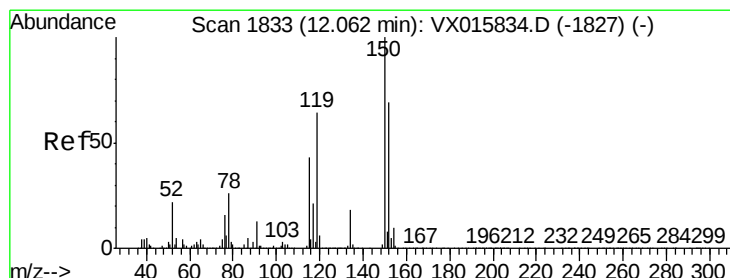
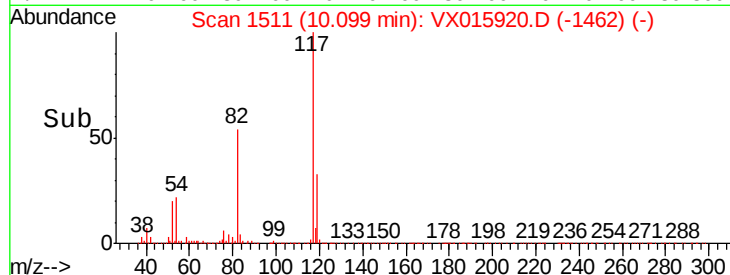
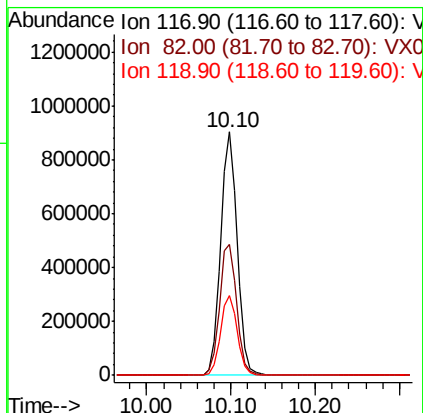
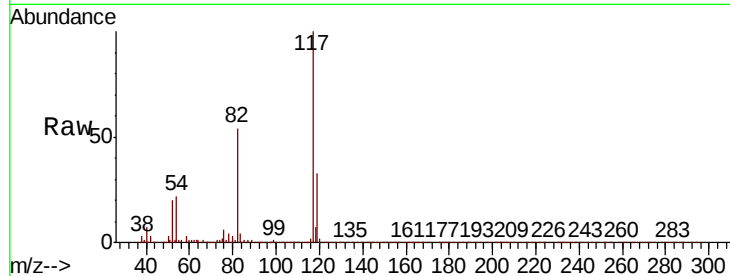




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

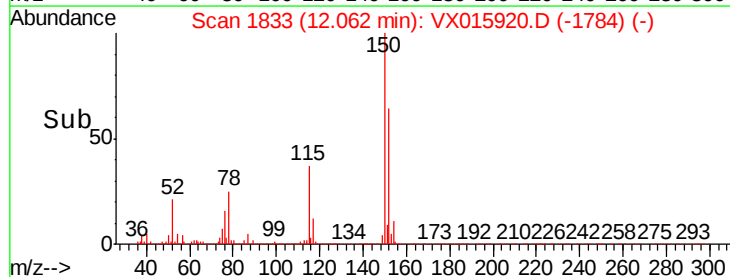
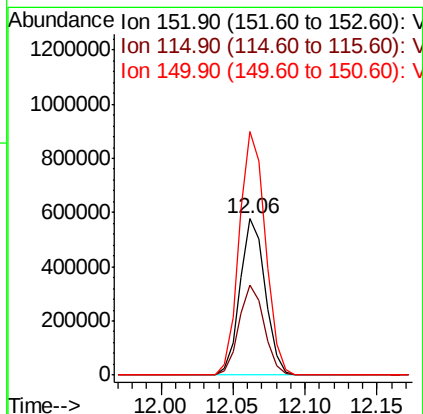
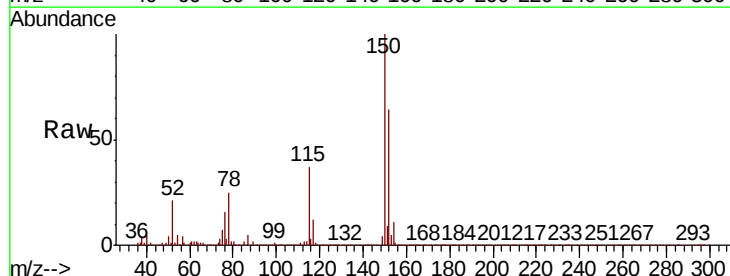
Instrument :
MSVOA_X
ClientSampleId :
TP-1-COMP

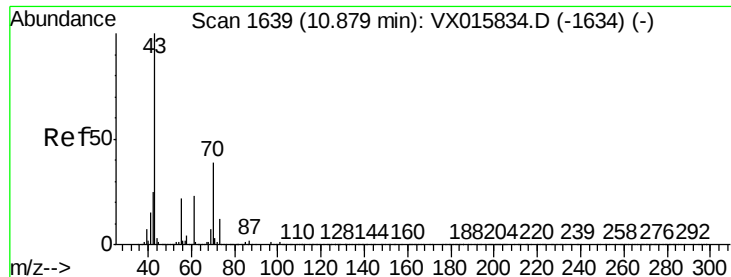
Tot Ion:117 Resp: 1234940
Ion Ratio Lower Upper
117 100
82 53.9 43.9 65.9
119 32.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015920.D
Acq: 24 Apr 2020 03:12

Tgt Ion:152 Resp: 702564
Ion Ratio Lower Upper
152 100
115 57.6 39.0 116.9
150 161.0 0.0 336.8





#74

N-amvl acetate

Concen: 0.550 ug/l

RT: 10.81 min Scan# 1627

Delta R.T. -0.07 min

Lab File: VX015920.D

Acq: 24 Apr 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

TP-1-COMP

Tot Ion: 43 Resp: 12670

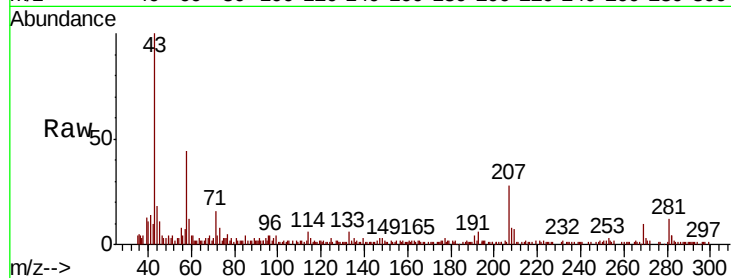
Ion Ratio Lower Upper

43 100

70 5.5 32.6 49.0#

55 12.6 18.3 27.5#

61 0.0 18.7 28.1#

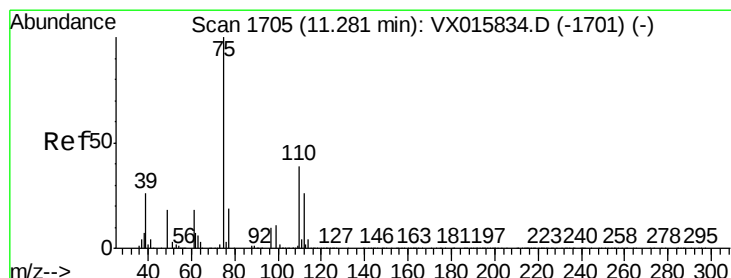
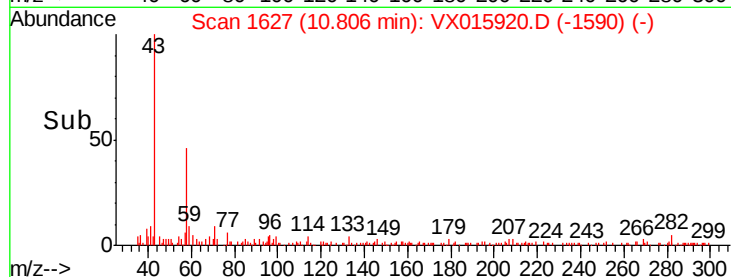
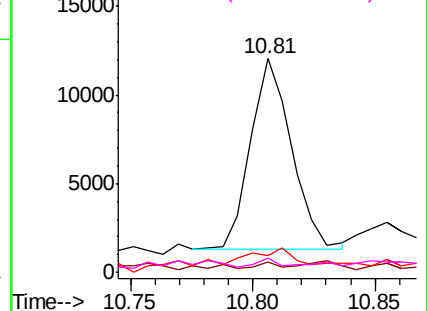


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.184 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015920.D

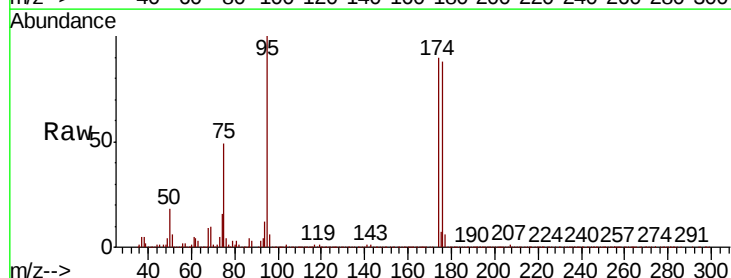
Acq: 24 Apr 2020 03:12

Tgt Ion: 75 Resp: 323088

Ion Ratio Lower Upper

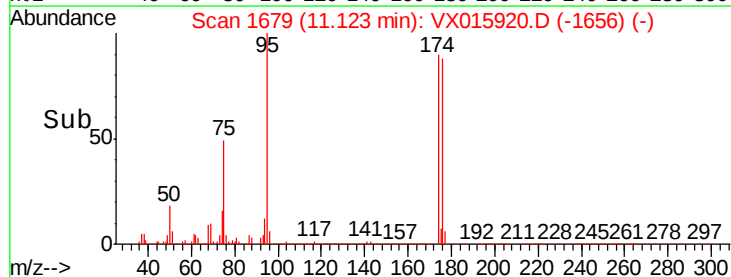
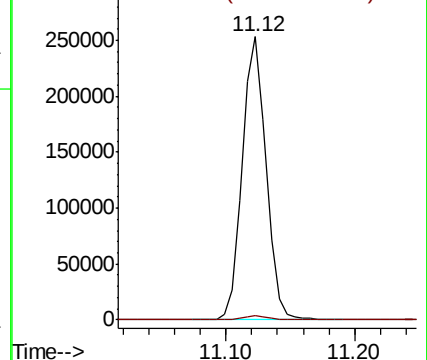
75 100

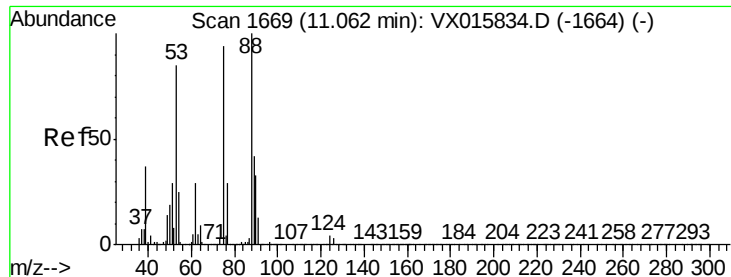
77 1.7 21.3 63.9#



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: 58.174 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015920.D

Acq: 24 Apr 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

TP-1-COMP

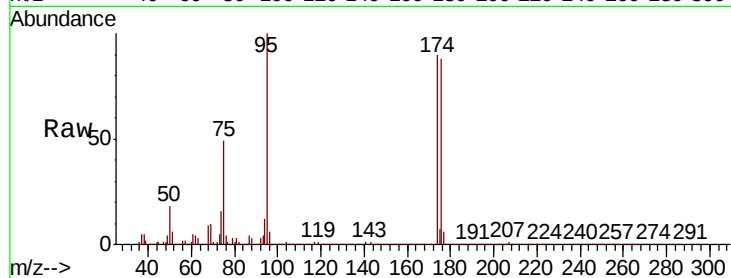
Tot Ion: 75 Resp: 323088

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.2#

89 0.0 38.0 57.0#



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

