

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042120\
 Data File : VX015800.D
 Acq On : 21 Apr 2020 17:24
 Operator : JC/SP
 Sample : L2327-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-S

Quant Time: Apr 22 04:20:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1054164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1628724	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1574786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	897431	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	595130	40.03	ug/l	0.00
Spiked Amount			Recovery	=	80.06%	
35) Dibromofluoromethane	5.47	113	483980	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
50) Toluene-d8	8.70	98	1939336	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.12	95	834474	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	

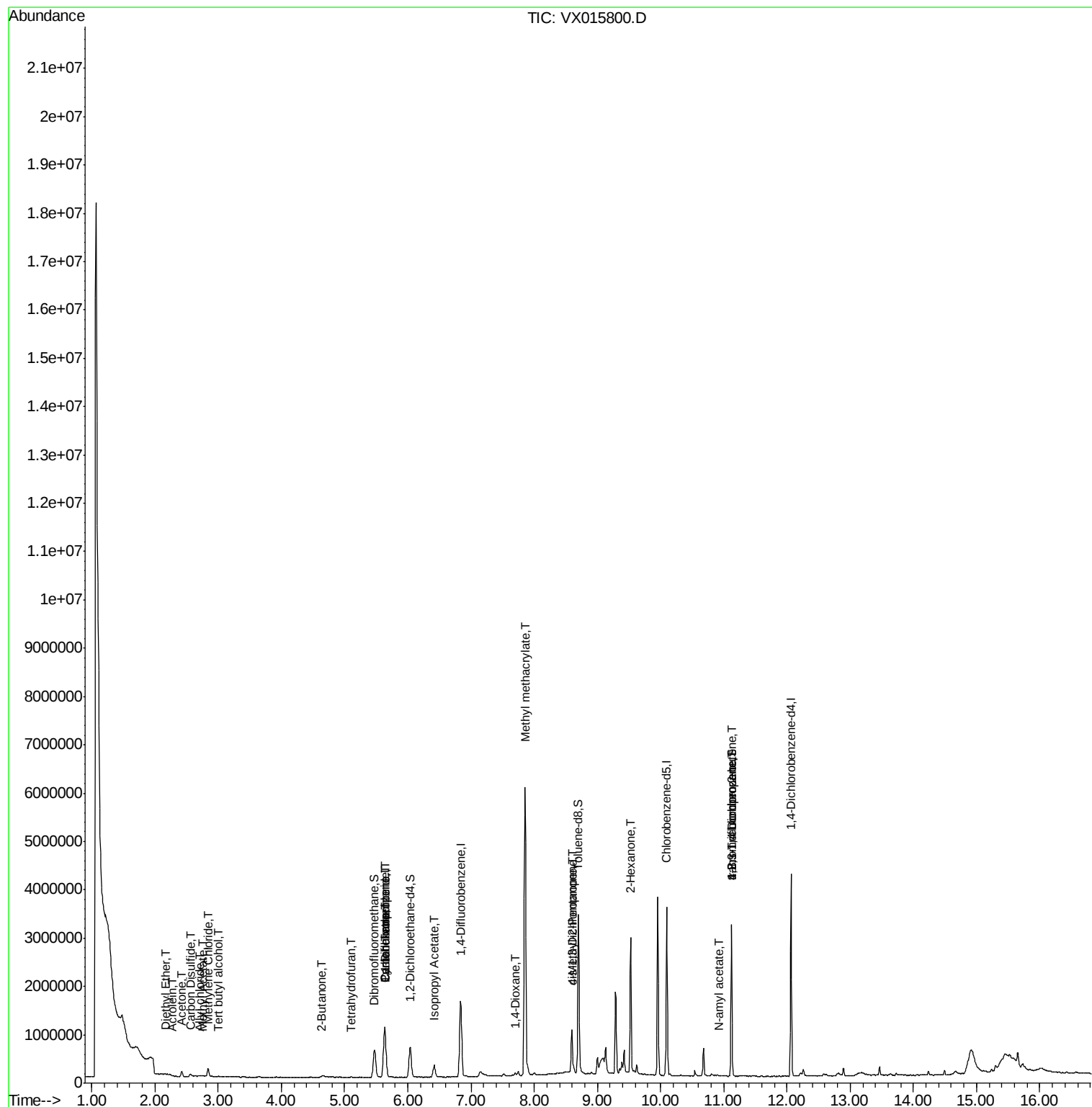
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	676	Below Cal	#	42
8) Diethyl Ether	2.17	74	1573	0.256	ug/l #	1
11) Tert butyl alcohol	3.00	59	5446	1.530	ug/l #	86
13) Acrolein	2.28	56	1100	0.543	ug/l	98
14) Allyl chloride	2.71	41	6797	0.292	ug/l #	33
16) Acetone	2.42	43	152258	23.837	ug/l	95
17) Carbon Disulfide	2.56	76	87794	2.892	ug/l	99
18) Methyl Acetate	2.75	43	26601	1.632	ug/l	99
20) Methylene Chloride	2.84	84	68147	5.712	ug/l	96
25) 2-Butanone	4.65	43	31628	3.079	ug/l	97
29) Tetrahydrofuran	5.11	42	3622	0.548	ug/l #	73
31) Cyclohexane	5.64	56	19239	1.022	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	71564	4.769	ug/l #	47
38) Carbon Tetrachloride	5.64	117	94462	5.812	ug/l #	15
43) Isopropyl Acetate	6.42	43	357021	10.824	ug/l	98
48) Methyl methacrylate	7.86	41	511669	31.055	ug/l #	48
49) 1,4-Dioxane	7.71	88	1850	6.019	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	432137	23.117	ug/l #	46
54) cis-1,3-Dichloropropene	8.60	75	143697	7.156	ug/l #	49
59) 2-Hexanone	9.53	43	412011	29.193	ug/l #	48
74) N-amyl acetate	10.93	43	16739	0.512	ug/l #	48
76) 1,2,3-Trichloropropane	11.12	75	407010	22.054	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	407010	52.918	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015800.D

Acq: 21 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

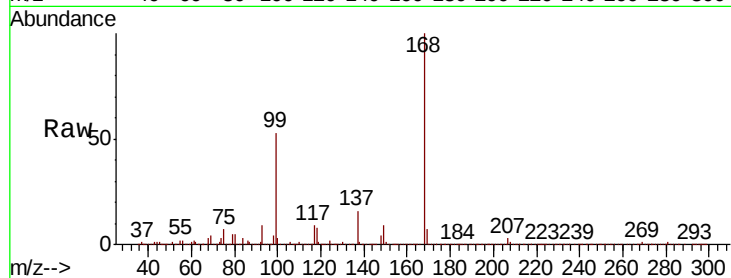
TP-3-S

Tot Ion:168 Resp: 1054164

Ion Ratio Lower Upper

168 100

99 53.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

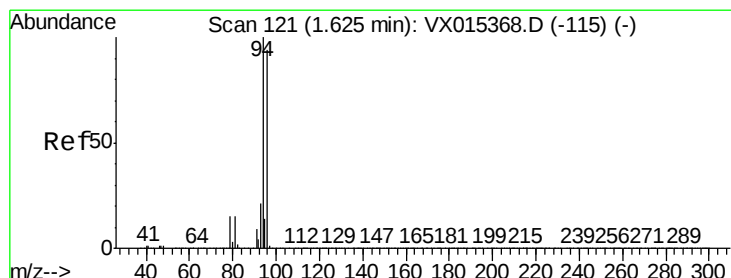
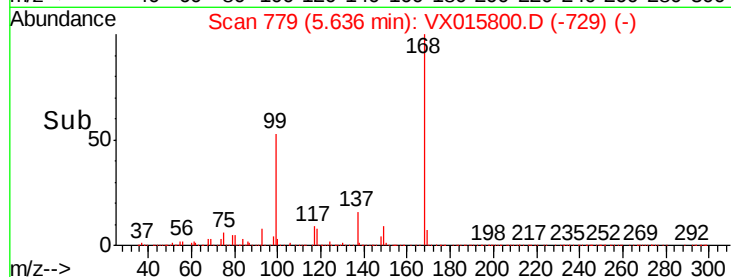
200000

100000

0

5.50 5.60 5.70

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 125

Delta R.T. 0.03 min

Lab File: VX015800.D

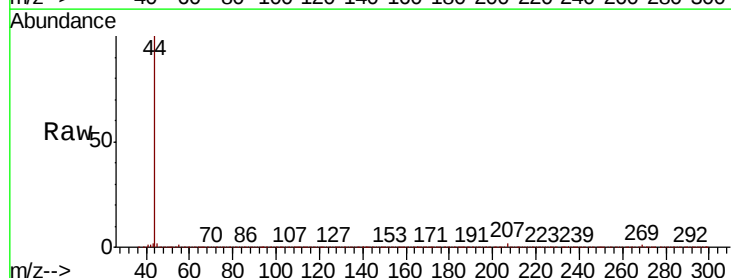
Acq: 21 Apr 2020 17:24

Tgt Ion: 94 Resp: 676

Ion Ratio Lower Upper

94 100

96 37.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

3000

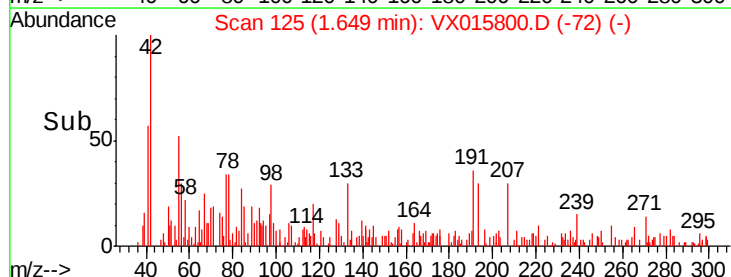
2000

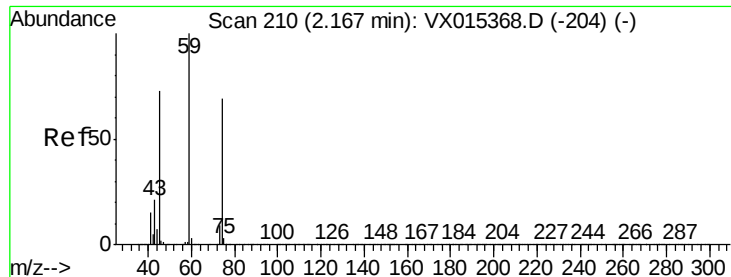
1000

0

1.60 1.62 1.64 1.66 1.68

Time-->





#8

Diethyl Ether

Concen: 0.256 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX015800.D

Acq: 21 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampled :

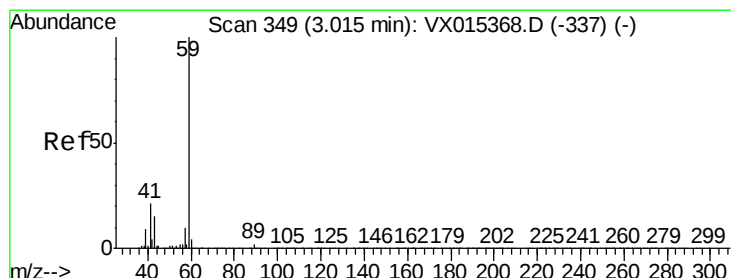
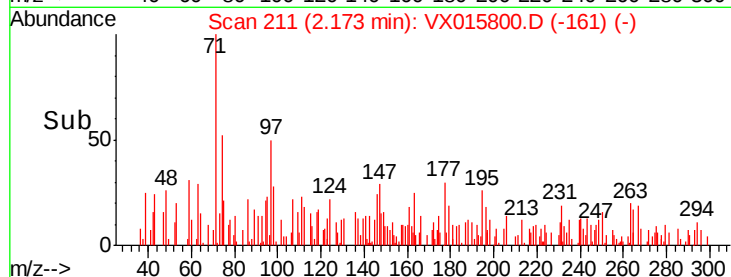
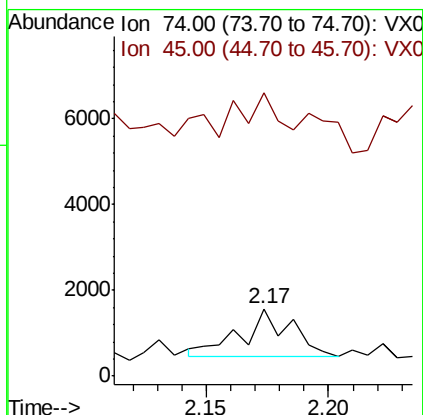
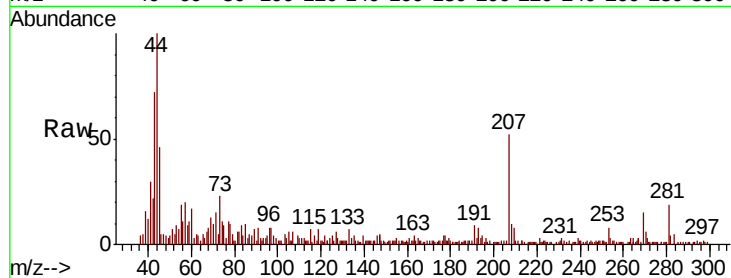
TP-3-S

Tot Ion: 74 Resp: 1573

Ion Ratio Lower Upper

74 100

45 0.0 53.8 161.4#



#11

Tert butyl alcohol

Concen: 1.530 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015800.D

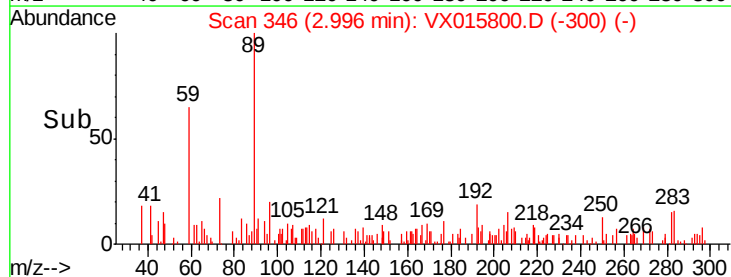
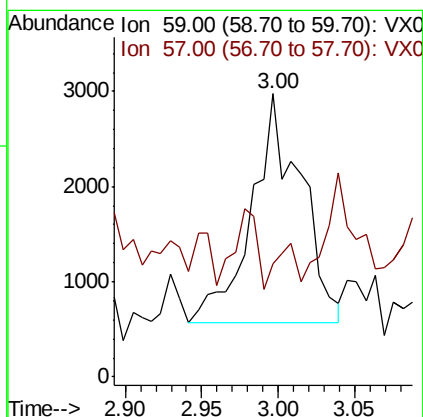
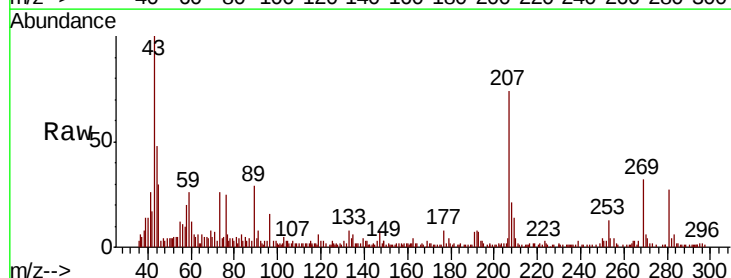
Acq: 21 Apr 2020 17:24

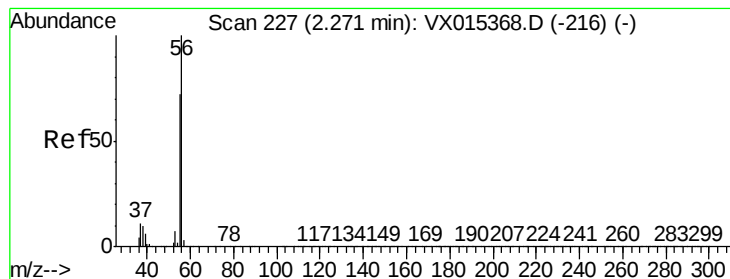
Tgt Ion: 59 Resp: 5446

Ion Ratio Lower Upper

59 100

57 4.7 8.1 12.1#





#13

Acrolein

Concen: 0.543 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.01 min

Lab File: VX015800.D

Acq: 21 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampled :

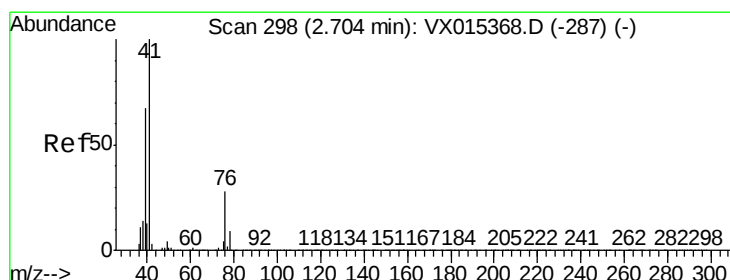
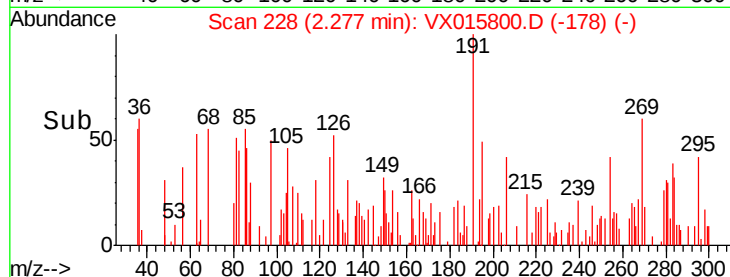
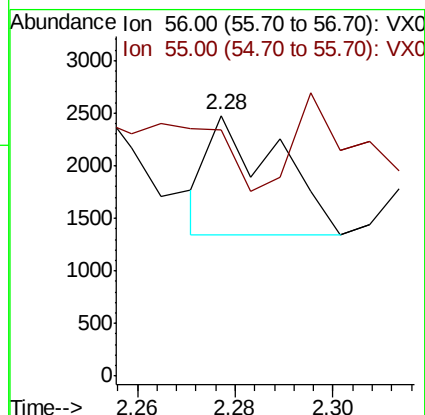
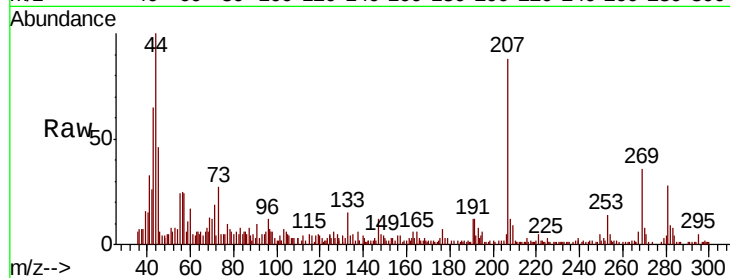
TP-3-S

Tot Ion: 56 Resp: 1100

Ion Ratio Lower Upper

56 100

55 73.0 57.0 85.4



#14

Allyl chloride

Concen: 0.292 ug/l

RT: 2.71 min Scan# 299

Delta R.T. 0.01 min

Lab File: VX015800.D

Acq: 21 Apr 2020 17:24

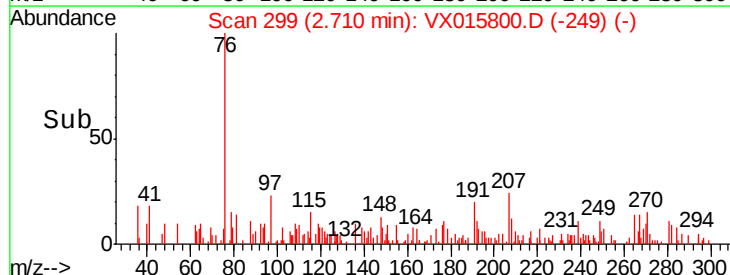
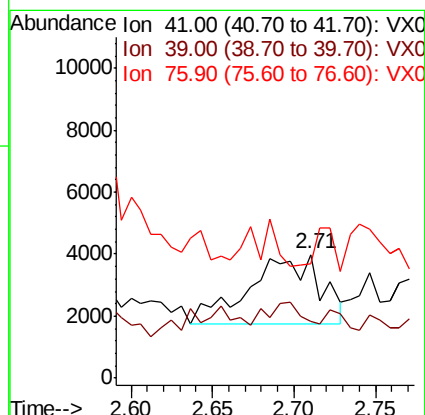
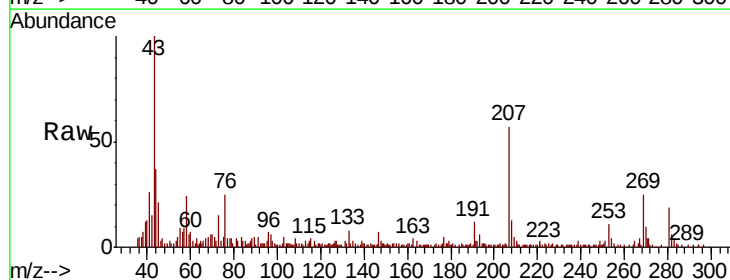
Tgt Ion: 41 Resp: 6797

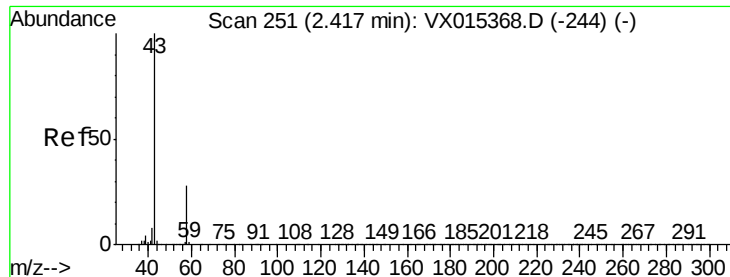
Ion Ratio Lower Upper

41 100

39 6.9 51.4 77.0#

76 0.0 21.8 32.8#





#16

Acetone

Concen: 23.837 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015800.D

Acq: 21 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

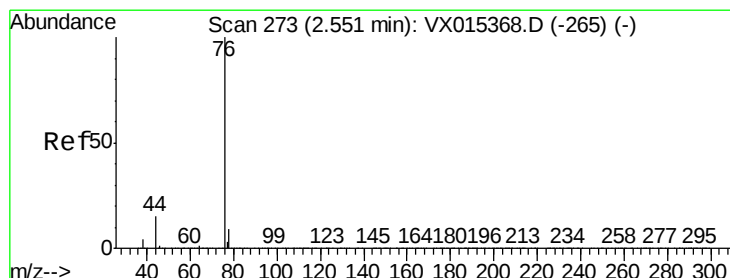
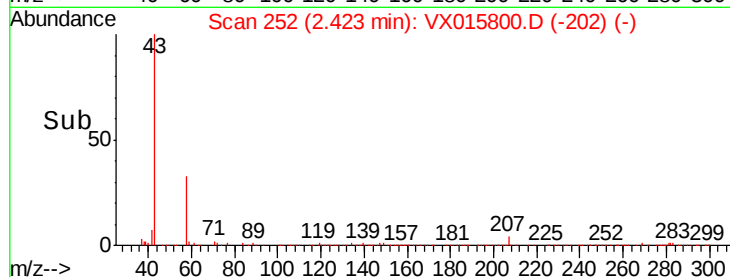
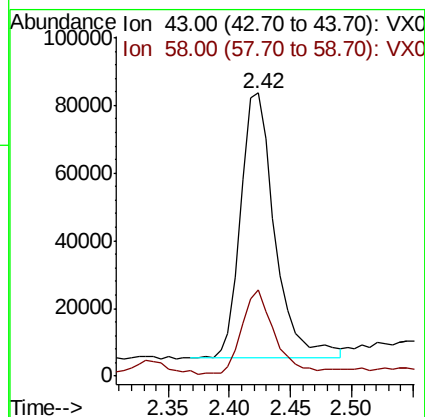
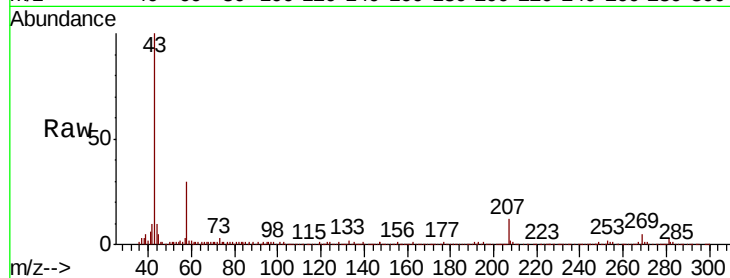
TP-3-S

Tot Ion: 43 Resp: 152258

Ion Ratio Lower Upper

43 100

58 30.2 22.1 33.1



#17

Carbon Disulfide

Concen: 2.892 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015800.D

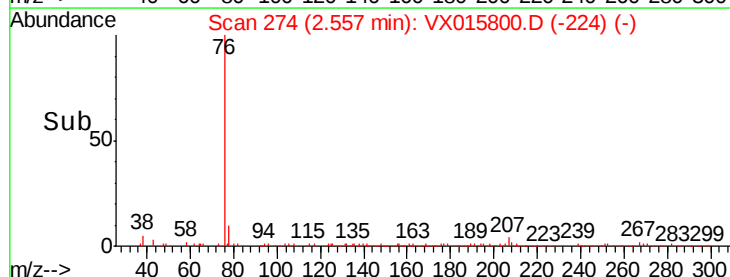
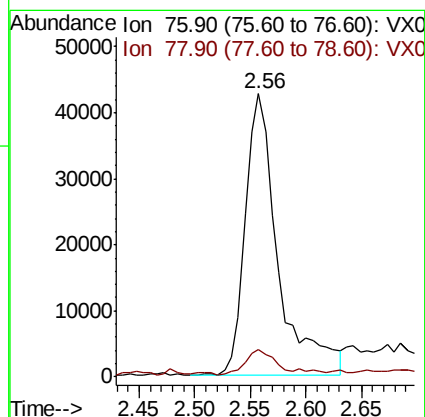
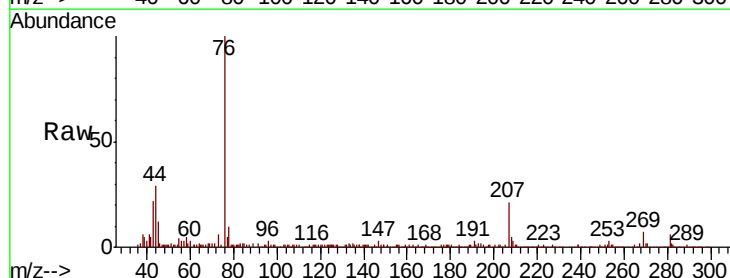
Acq: 21 Apr 2020 17:24

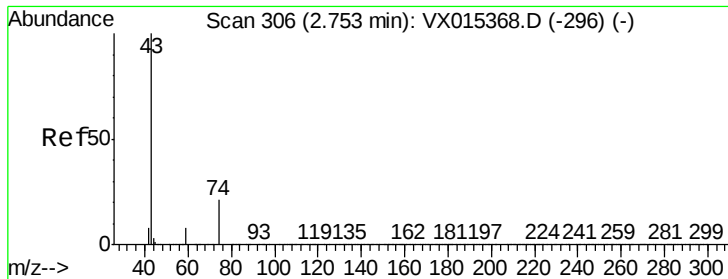
Tgt Ion: 76 Resp: 87794

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7

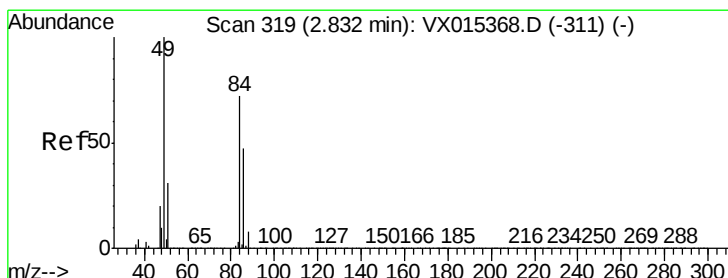
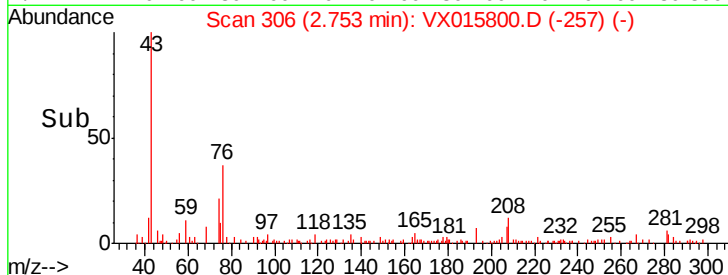
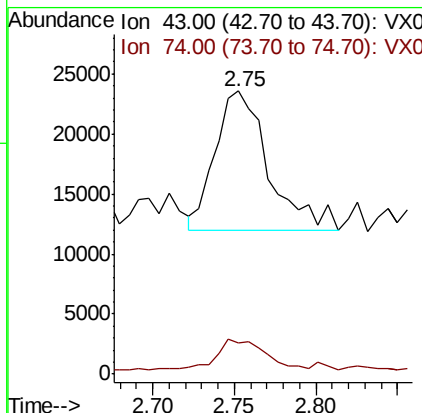
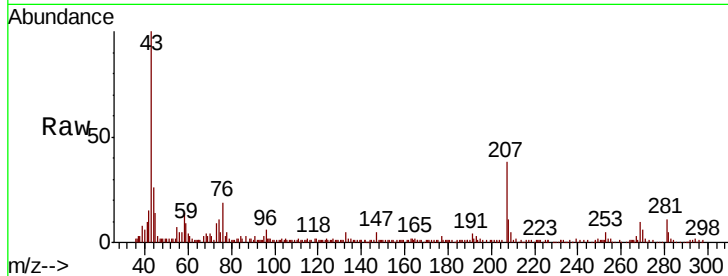




#18
Methvl Acetate
Concen: 1.632 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015800.D
Acq: 21 Apr 2020 17:24

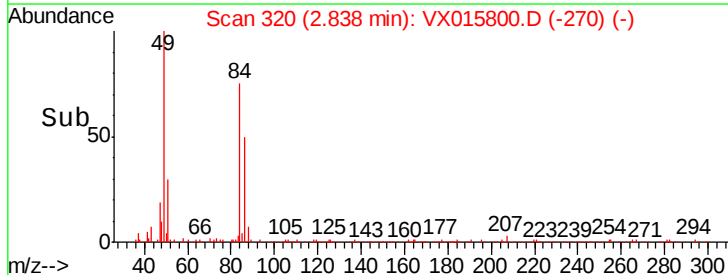
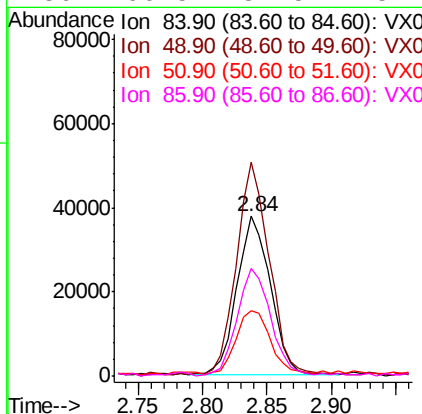
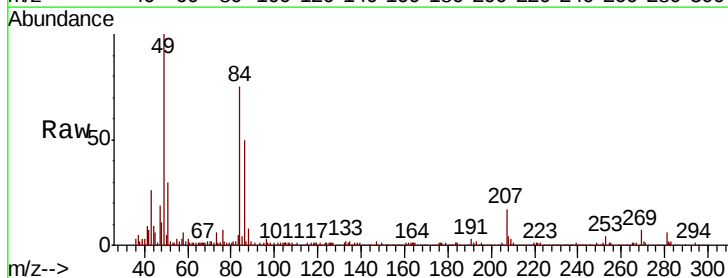
Instrument :
MSVOA_X
ClientSampled :
TP-3-S

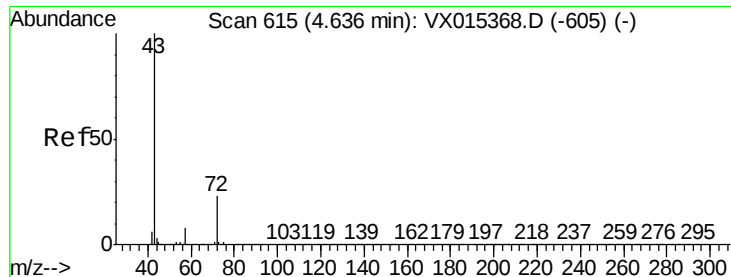
Tot Ion: 43 Resp: 26601
Ion Ratio Lower Upper
43 100
74 20.3 16.5 24.7



#20
Methylene Chloride
Concen: 5.712 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015800.D
Acq: 21 Apr 2020 17:24

Tgt Ion: 84 Resp: 68147
Ion Ratio Lower Upper
84 100
49 133.6 111.3 166.9
51 38.7 34.0 51.0
86 66.5 52.5 78.7





#25

2-Butanone

Concen: 3.079 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.01 min

Lab File: VX015800.D

Acq: 21 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

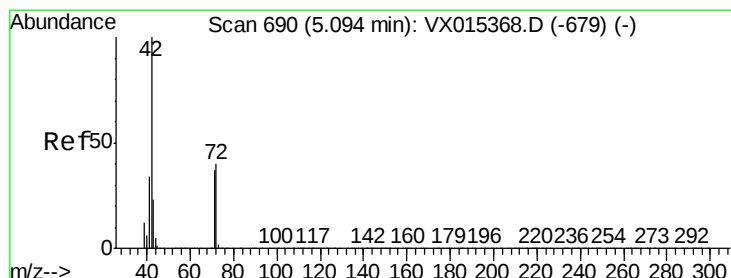
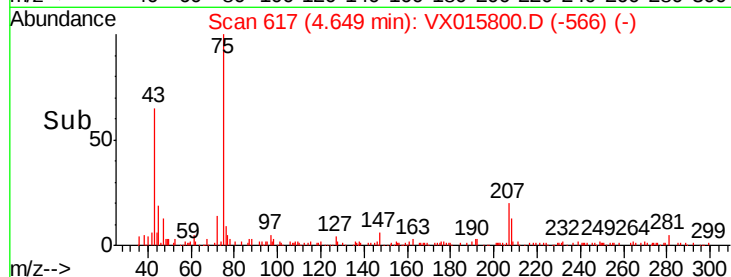
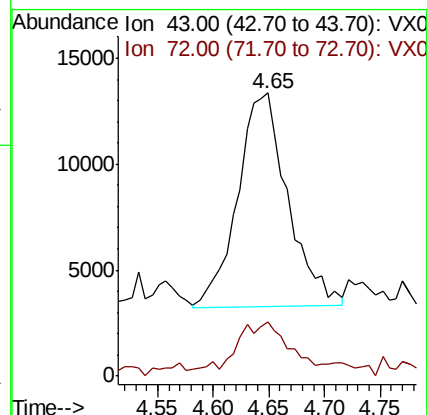
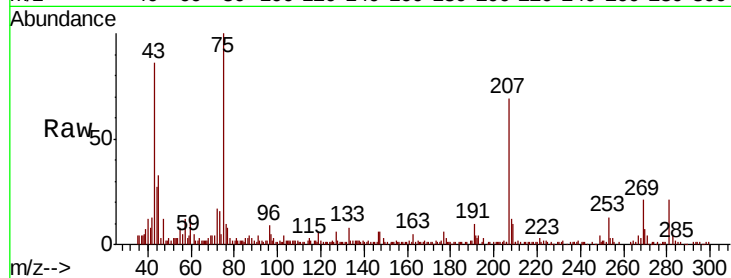
TP-3-S

Tot Ion: 43 Resp: 31628

Ion Ratio Lower Upper

43 100

72 22.2 19.0 28.4



#29

Tetrahydrofuran

Concen: 0.548 ug/l

RT: 5.11 min Scan# 692

Delta R.T. 0.01 min

Lab File: VX015800.D

Acq: 21 Apr 2020 17:24

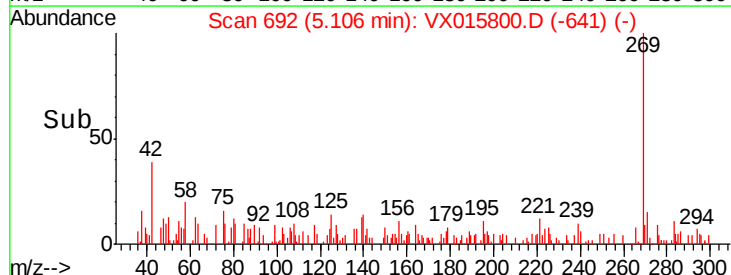
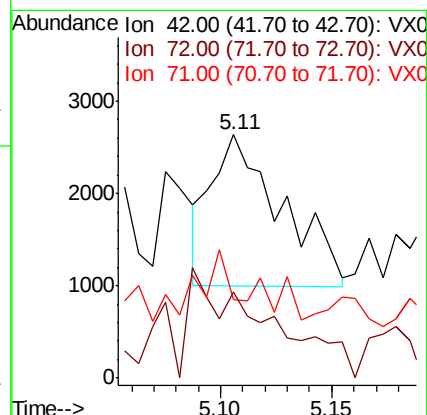
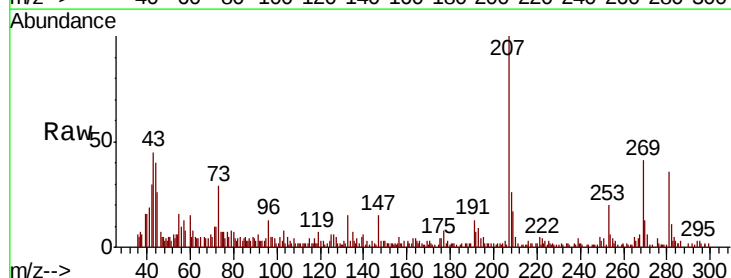
Tgt Ion: 42 Resp: 3622

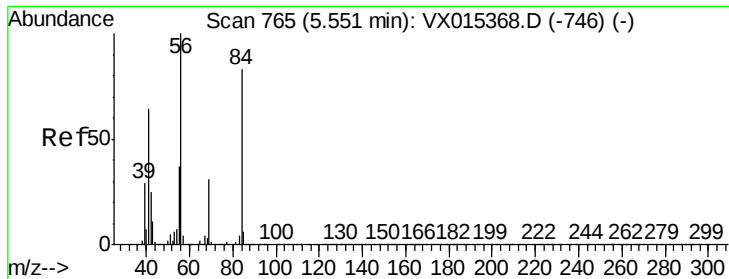
Ion Ratio Lower Upper

42 100

72 27.4 31.7 47.5#

71 16.7 29.6 44.4#

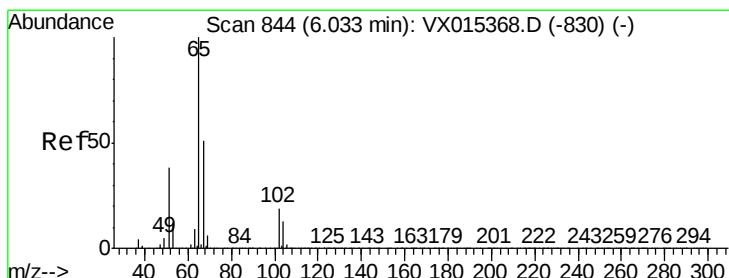
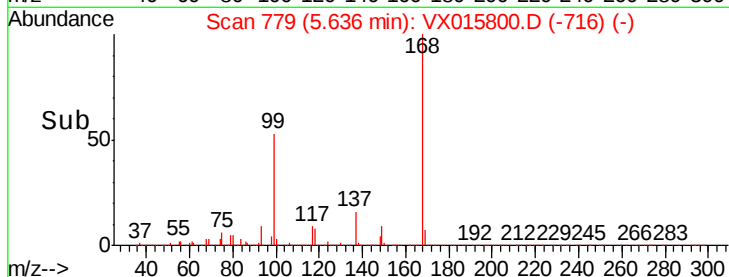
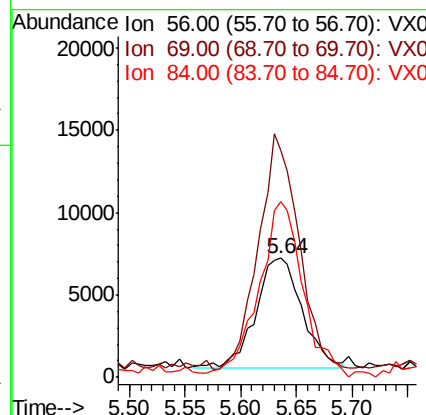
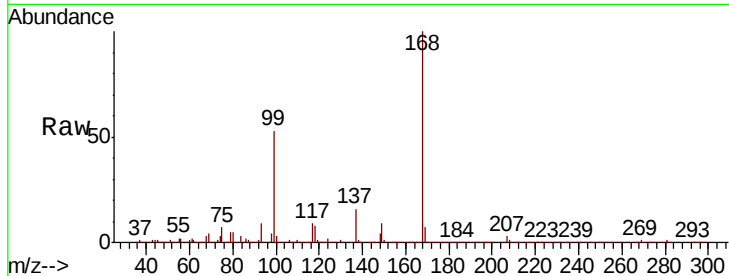




#31
Cyclohexane
Concen: 1.022 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015800.D
Acq: 21 Apr 2020 17:24

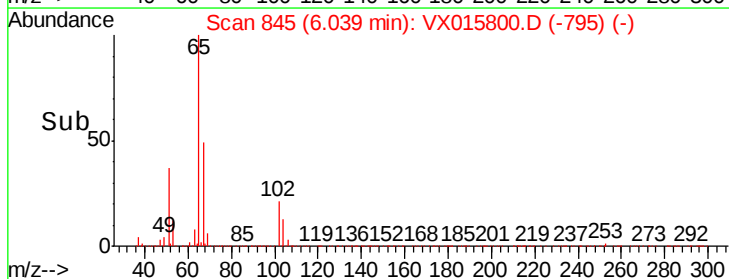
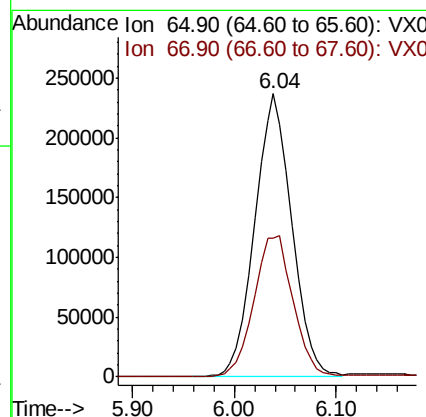
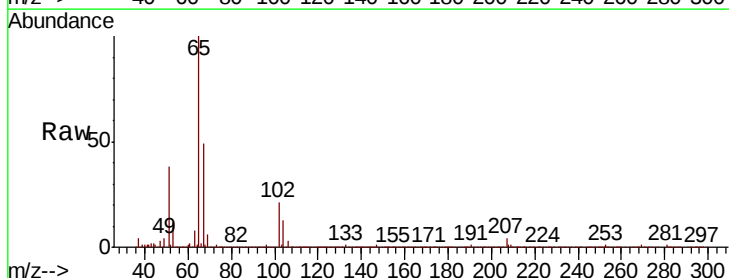
Instrument :
MSVOA_X
ClientSampleId :
TP-3-S

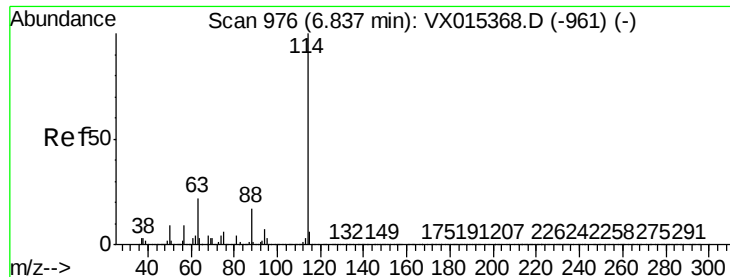
Tot Ion: 56 Resp: 19239
Ion Ratio Lower Upper
56 100
69 200.0 24.6 36.8#
84 156.9 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 40.028 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015800.D
Acq: 21 Apr 2020 17:24

Tgt Ion: 65 Resp: 595130
Ion Ratio Lower Upper
65 100
67 52.9 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015800.D

Acq: 21 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

TP-3-S

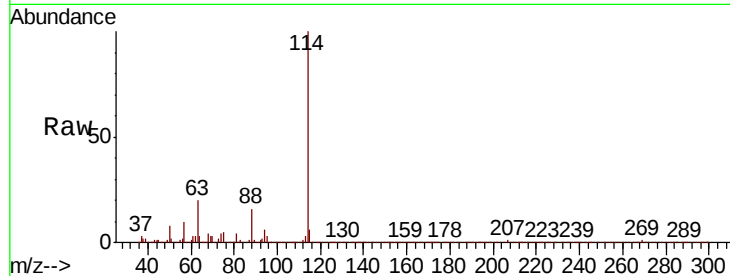
Tot Ion:114 Resp: 1628724

Ion Ratio Lower Upper

114 100

63 20.1 0.0 44.2

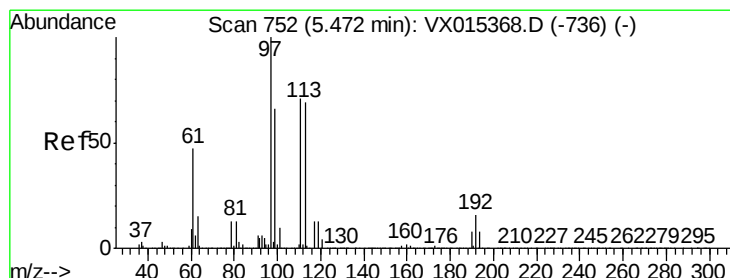
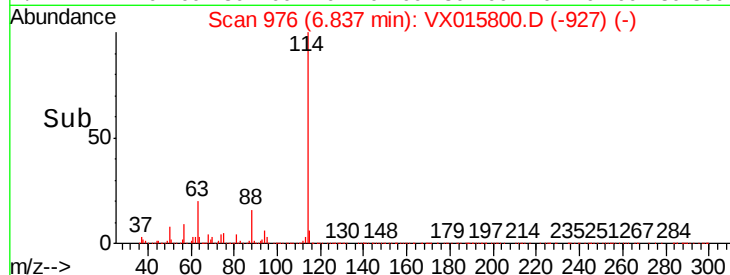
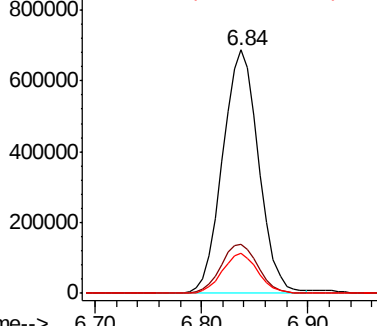
88 16.2 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.486 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015800.D

Acq: 21 Apr 2020 17:24

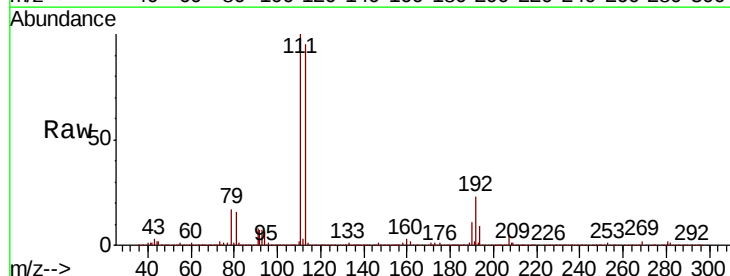
Tgt Ion:113 Resp: 483980

Ion Ratio Lower Upper

113 100

111 101.6 81.5 122.3

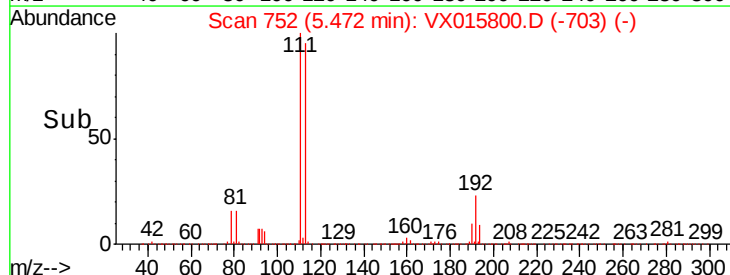
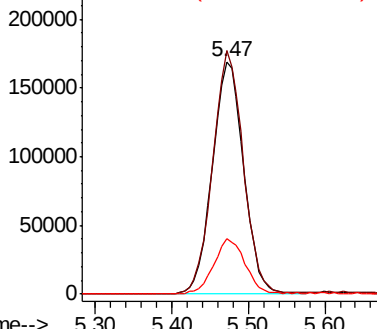
192 23.2 17.8 26.6

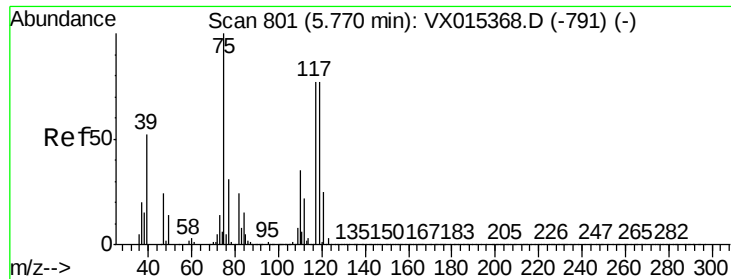


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

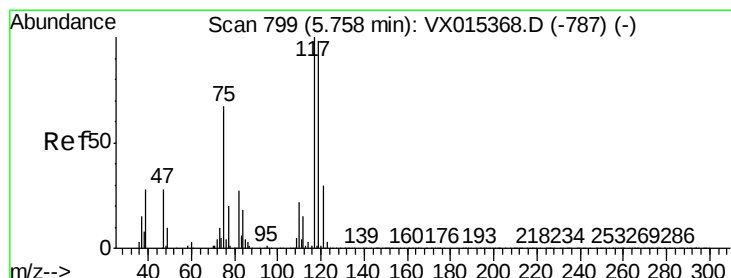
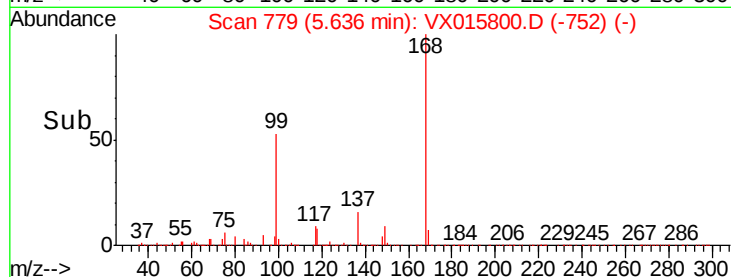
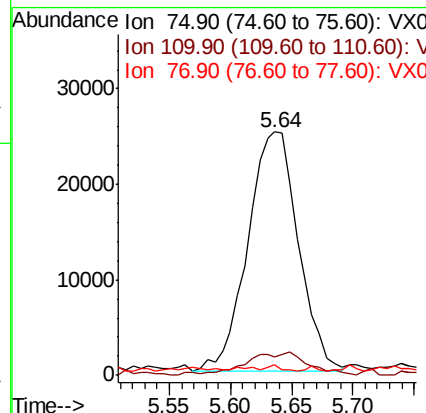
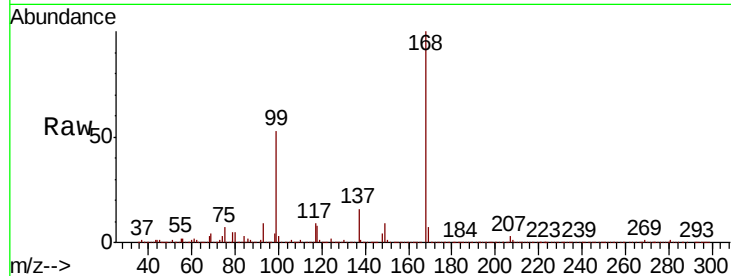




#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015800.D
 Acq: 21 Apr 2020 17:24

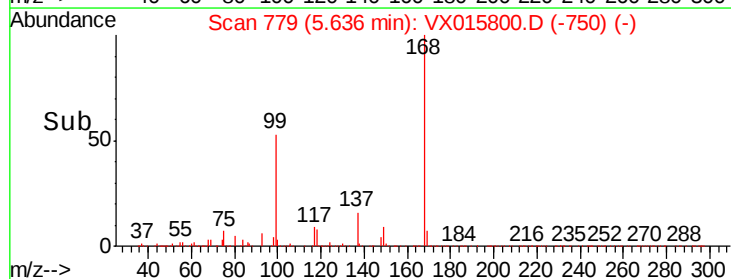
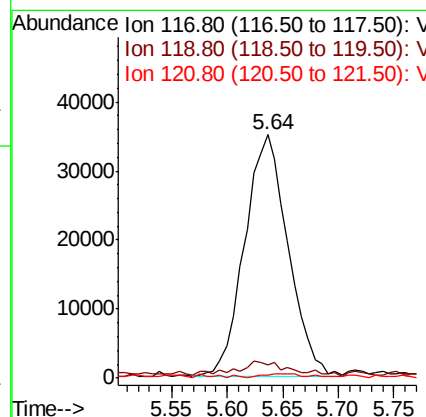
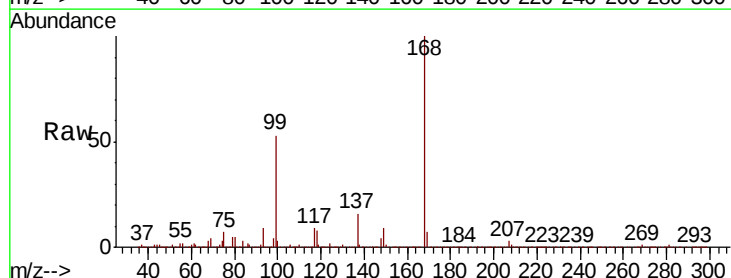
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-S

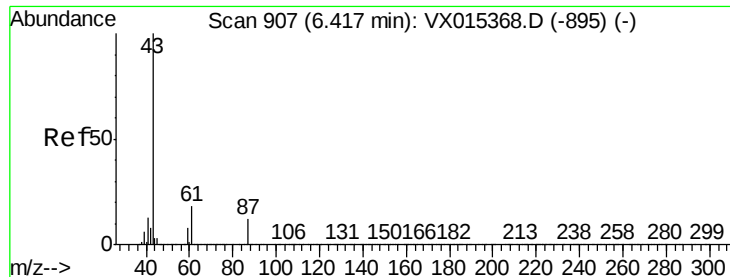
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.0	17.1	51.3#
77	0.6	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.812 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015800.D
 Acq: 21 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.0	117.0#
121	0.9	23.8	35.8#



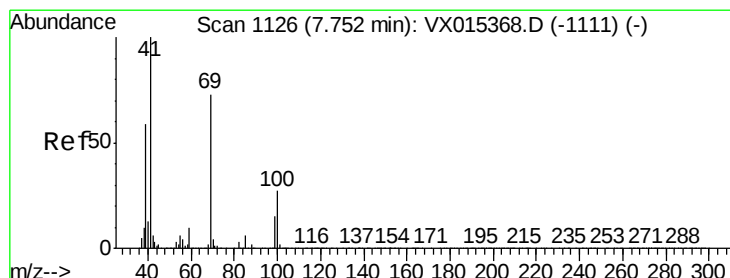
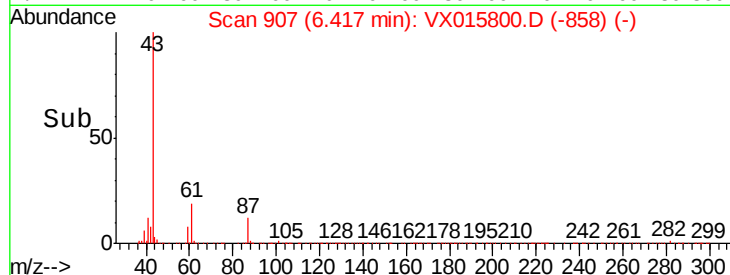
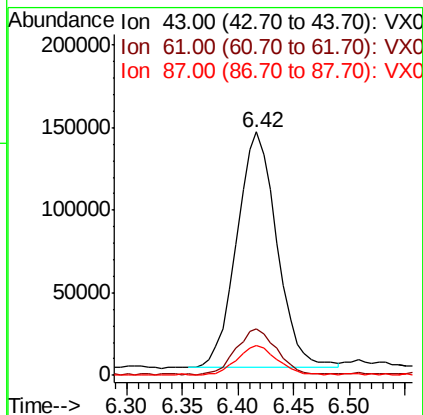
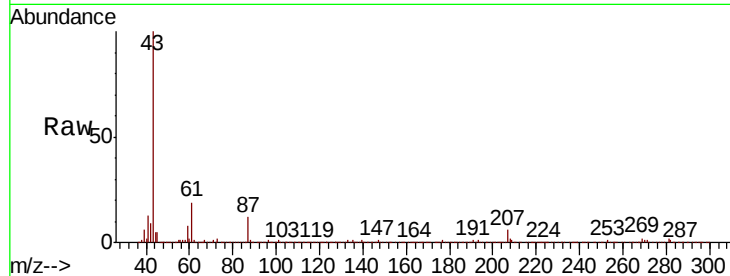


#43

Isopropyl Acetate
 Concen: 10.824 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: VX015800.D
 Acq: 21 Apr 2020 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-S

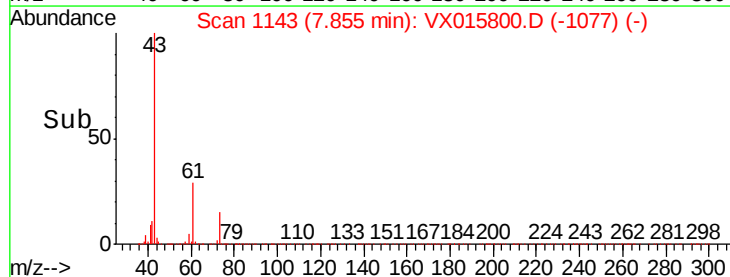
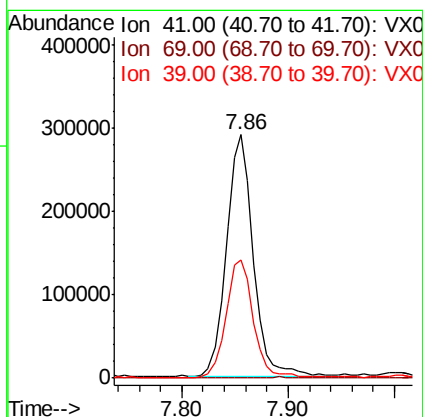
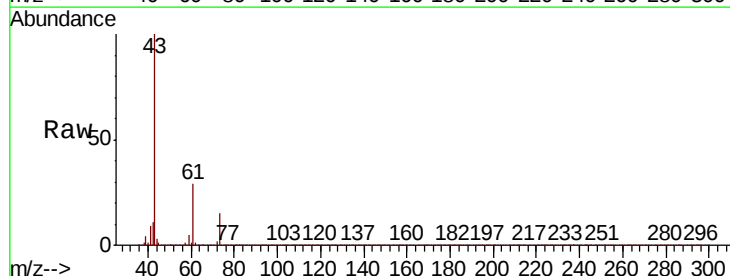
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	14.8	22.2
87	11.9	9.4	14.0

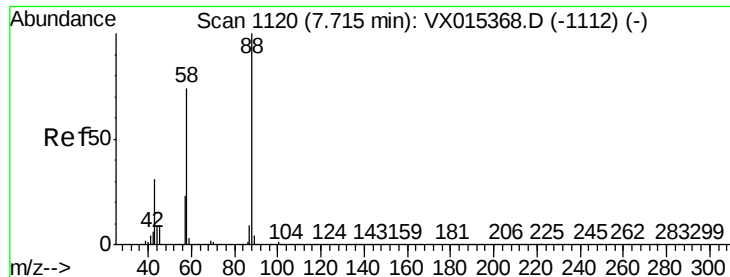


#48

Methyl methacrylate
 Concen: 31.055 ug/l
 RT: 7.86 min Scan# 1143
 Delta R.T. 0.10 min
 Lab File: VX015800.D
 Acq: 21 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.1	56.7	85.1#
39	49.6	46.5	69.7





#49

1,4-Dioxane

Concen: 6.019 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015800.D

Acq: 21 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

TP-3-S

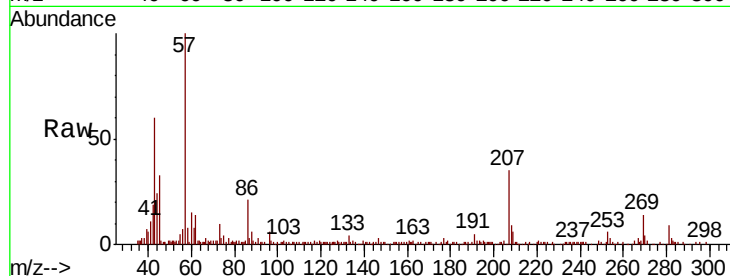
Tot Ion: 88 Resp: 1850

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

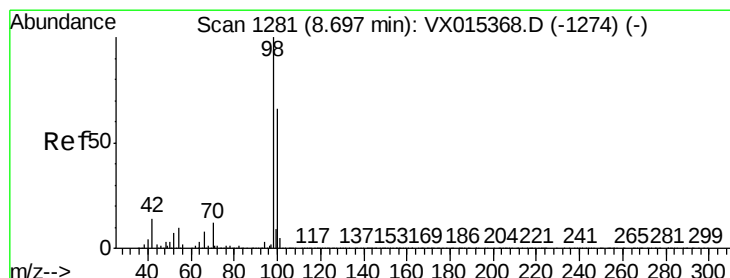
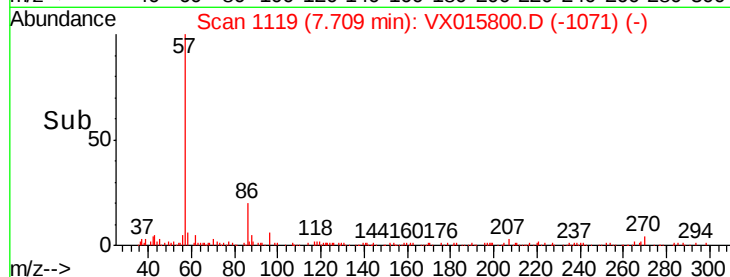
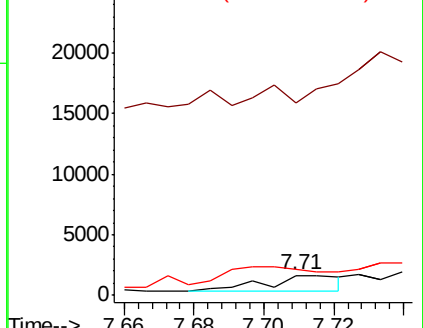
58 186.3 60.6 90.8#



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: 50.594 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015800.D

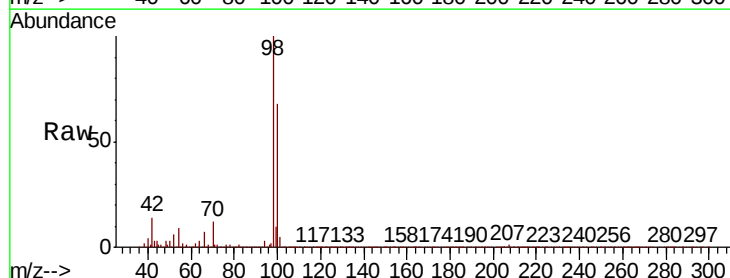
Acq: 21 Apr 2020 17:24

Tgt Ion: 98 Resp: 1939336

Ion Ratio Lower Upper

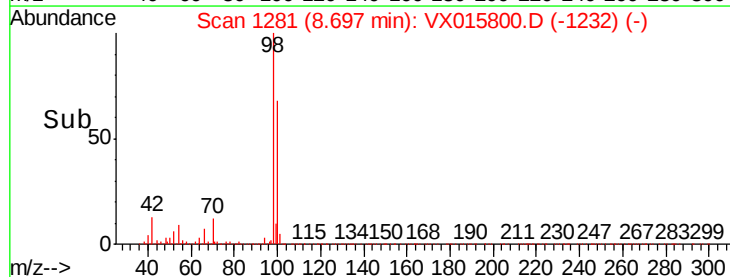
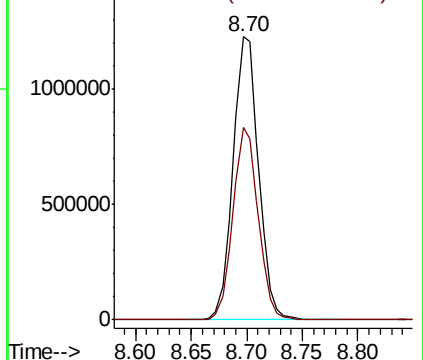
98 100

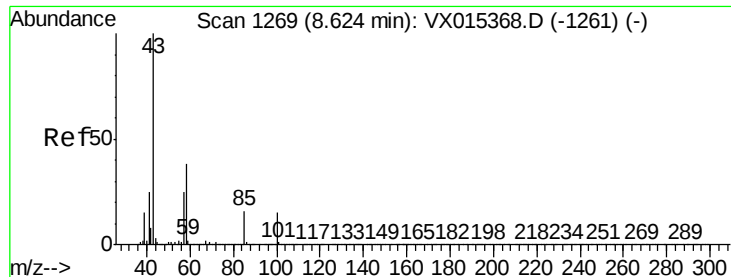
100 67.4 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

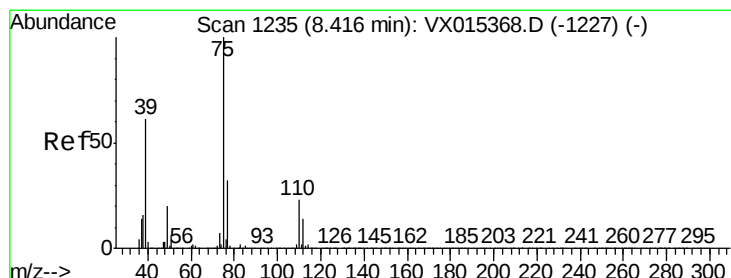
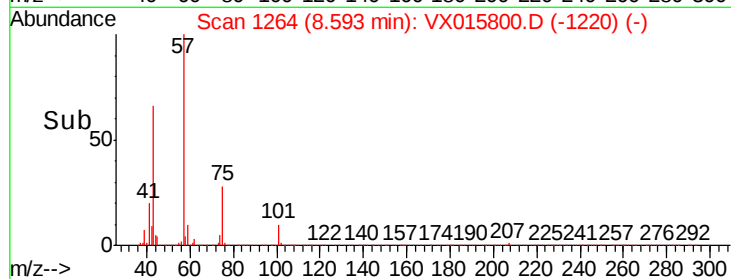
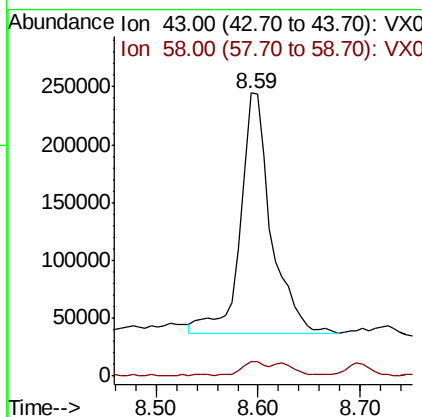
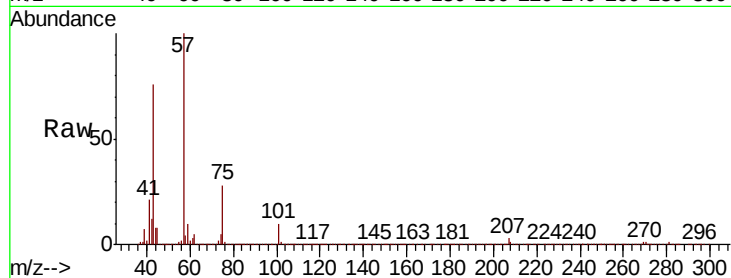




#51
4-Methyl-2-Pentanone
Concen: 23.117 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015800.D
Acq: 21 Apr 2020 17:24

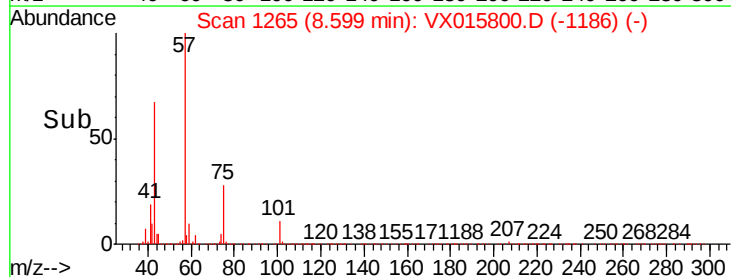
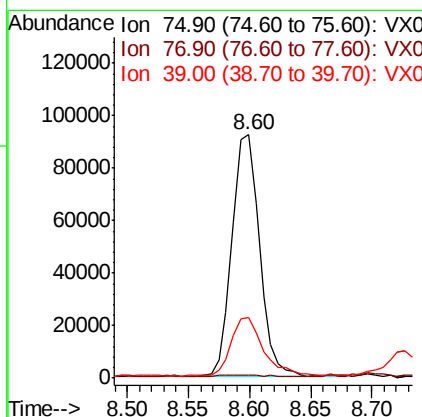
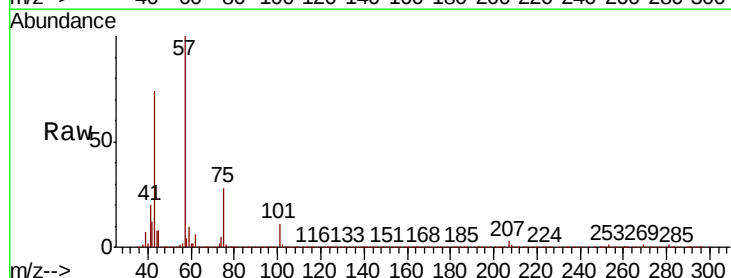
Instrument :
MSVOA_X
ClientSampled :
TP-3-S

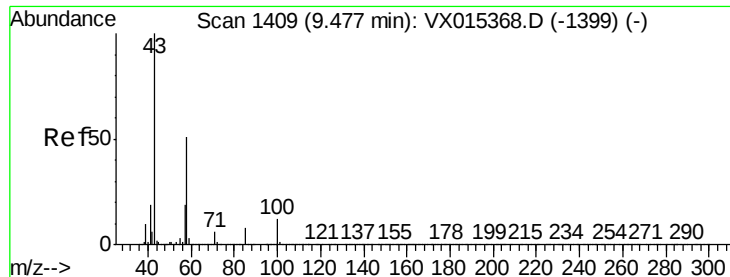
Tot Ion: 43 Resp: 432137
Ion Ratio Lower Upper
43 100
58 4.9 29.7 44.5#



#54
cis-1,3-Dichloropropene
Concen: 7.156 ug/l
RT: 8.60 min Scan# 1265
Delta R.T. 0.18 min
Lab File: VX015800.D
Acq: 21 Apr 2020 17:24

Tgt Ion: 75 Resp: 143697
Ion Ratio Lower Upper
75 100
77 0.8 25.8 38.6#
39 23.9 49.0 73.4#

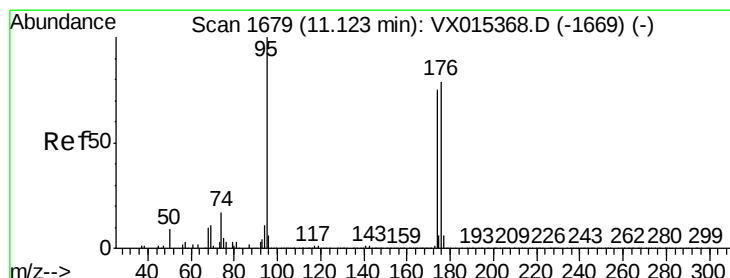
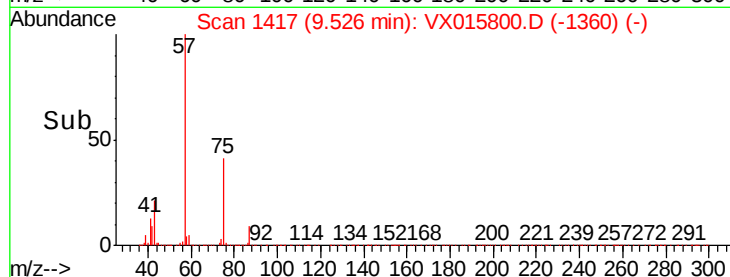
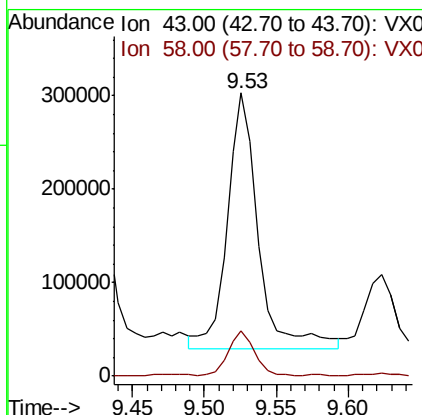
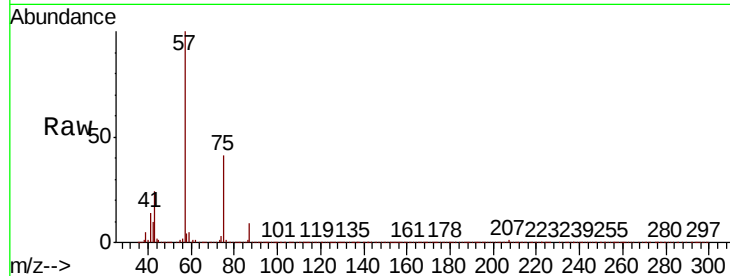




#59
2-Hexanone
Concen: 29.193 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015800.D
Acq: 21 Apr 2020 17:24

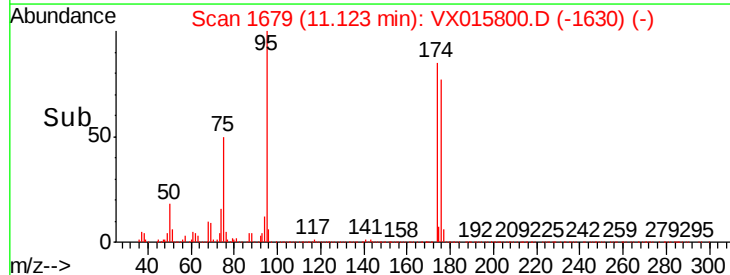
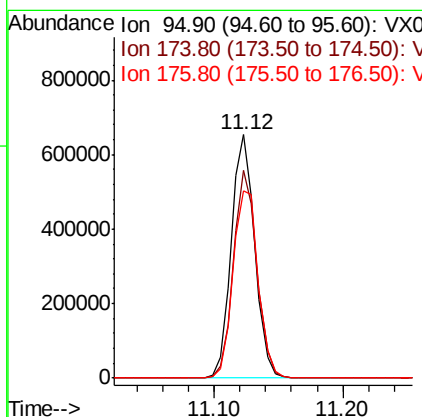
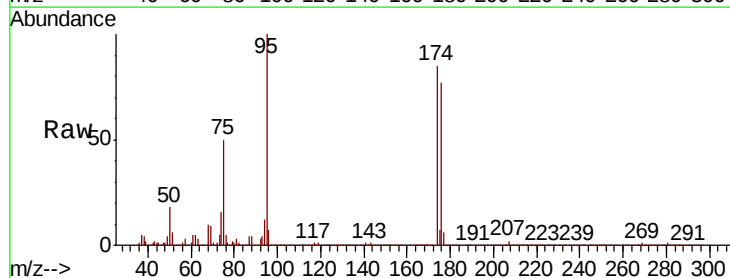
Instrument :
MSVOA_X
ClientSampleId :
TP-3-S

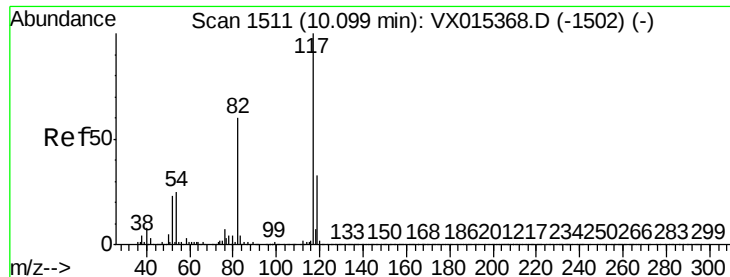
Tot Ion: 43 Resp: 412011
Ion Ratio Lower Upper
43 100
58 14.7 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 53.568 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015800.D
Acq: 21 Apr 2020 17:24

Tgt Ion: 95 Resp: 834474
Ion Ratio Lower Upper
95 100
174 84.5 0.0 158.6
176 82.2 0.0 159.0

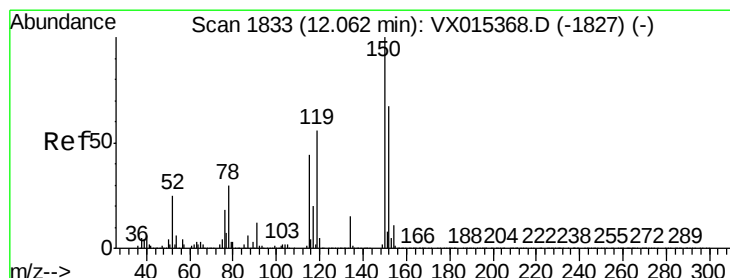
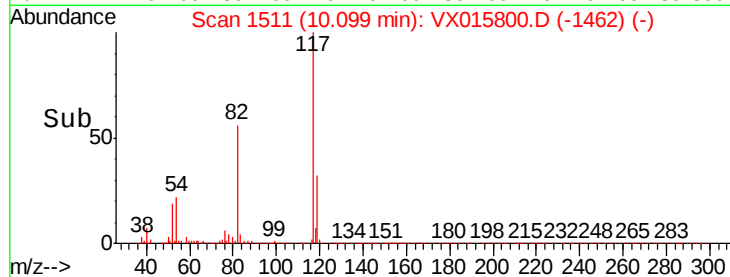
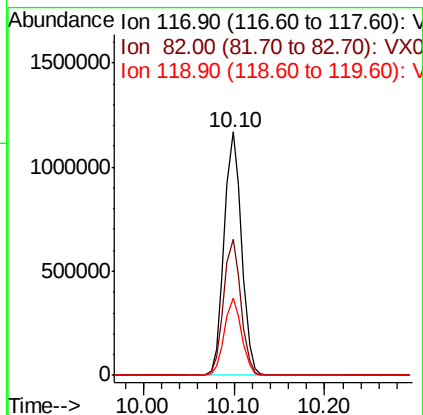
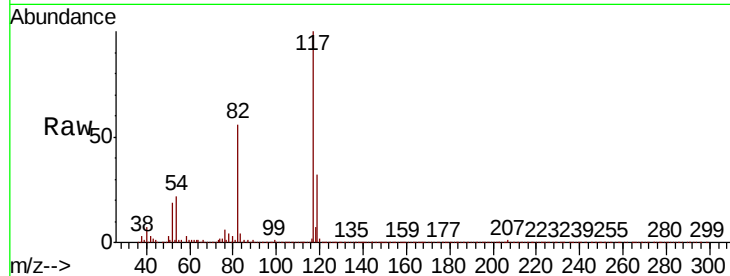




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015800.D
Acq: 21 Apr 2020 17:24

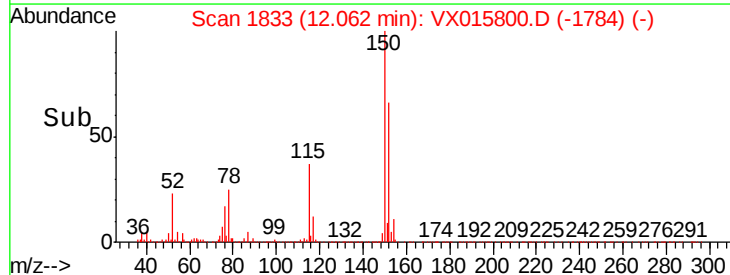
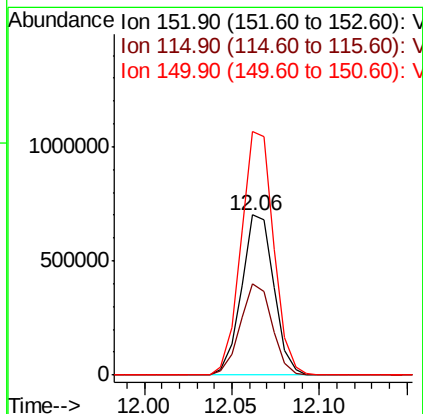
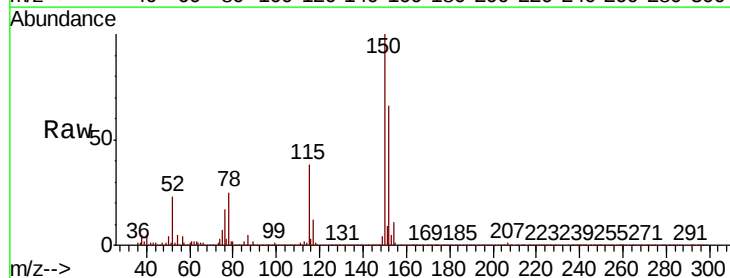
Instrument :
MSVOA_X
ClientSampled :
TP-3-S

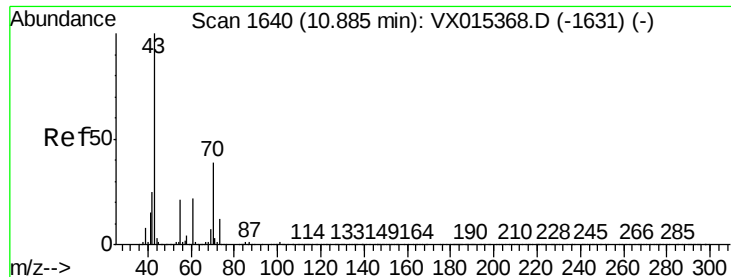
Tot Ion:117 Resp: 1574786
Ion Ratio Lower Upper
117 100
82 56.1 47.8 71.8
119 31.8 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015800.D
Acq: 21 Apr 2020 17:24

Tgt Ion:152 Resp: 897431
Ion Ratio Lower Upper
152 100
115 56.7 39.0 116.9
150 152.6 0.0 340.8





#74

N-amvl acetate

Concen: 0.512 ug/l

RT: 10.93 min Scan# 1648

Delta R.T. 0.05 min

Lab File: VX015800.D

Acq: 21 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

TP-3-S

Tot Ion: 43 Resp: 16739

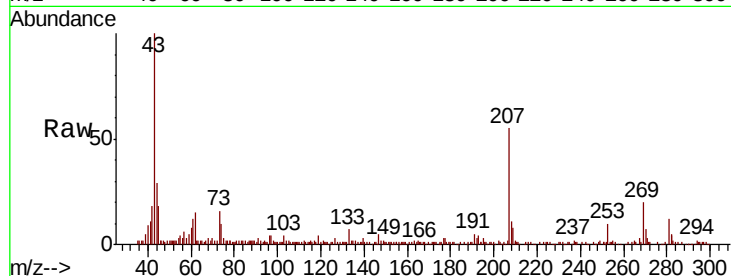
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 2.7 16.8 25.2#

61 0.0 18.2 27.2#

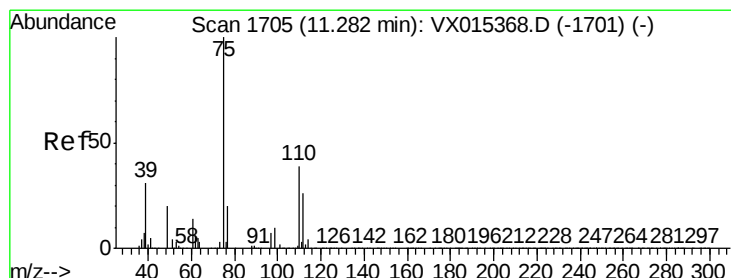
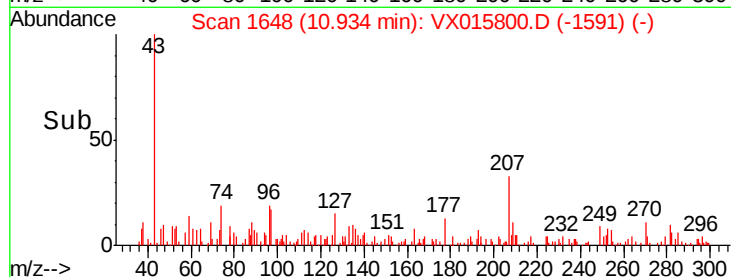
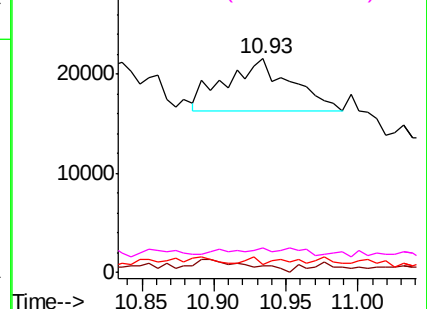


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.054 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015800.D

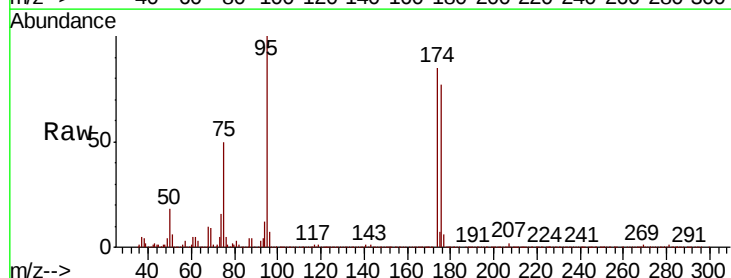
Acq: 21 Apr 2020 17:24

Tgt Ion: 75 Resp: 407010

Ion Ratio Lower Upper

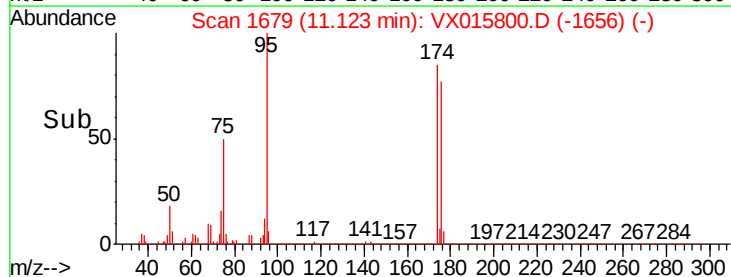
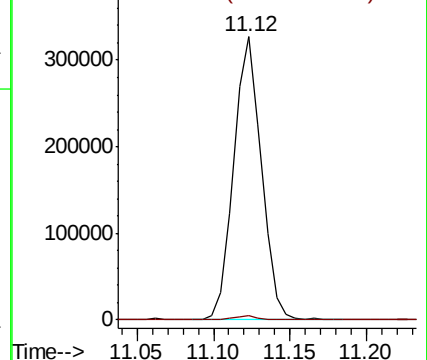
75 100

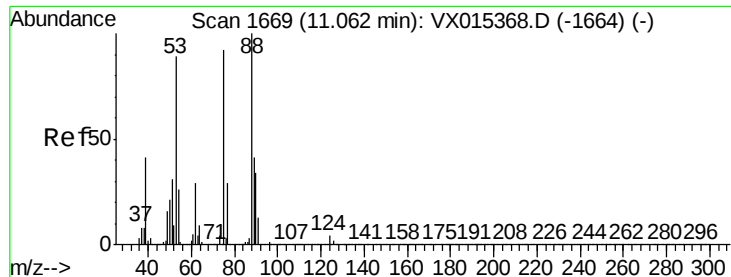
77 1.3 21.2 63.6#



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: 52.918 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015800.D
Acq: 21 Apr 2020 17:24

Instrument :
MSVOA_X
ClientSampleId :
TP-3-S

Tot Ion: 75 Resp: 407010
Ion Ratio Lower Upper
75 100
53 0.2 80.1 120.1#
89 0.0 36.1 54.1#

