

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032720\
 Data File : VX015411.D
 Acq On : 28 Mar 2020 03:55
 Operator : JC/SP
 Sample : L2053-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-15-SA

Quant Time: Mar 30 01:53:05 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	1117931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1831991	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1765617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	916755	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	754836	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
35) Dibromofluoromethane	5.47	113	592372	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
50) Toluene-d8	8.70	98	2217725	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	11.12	95	950473	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	

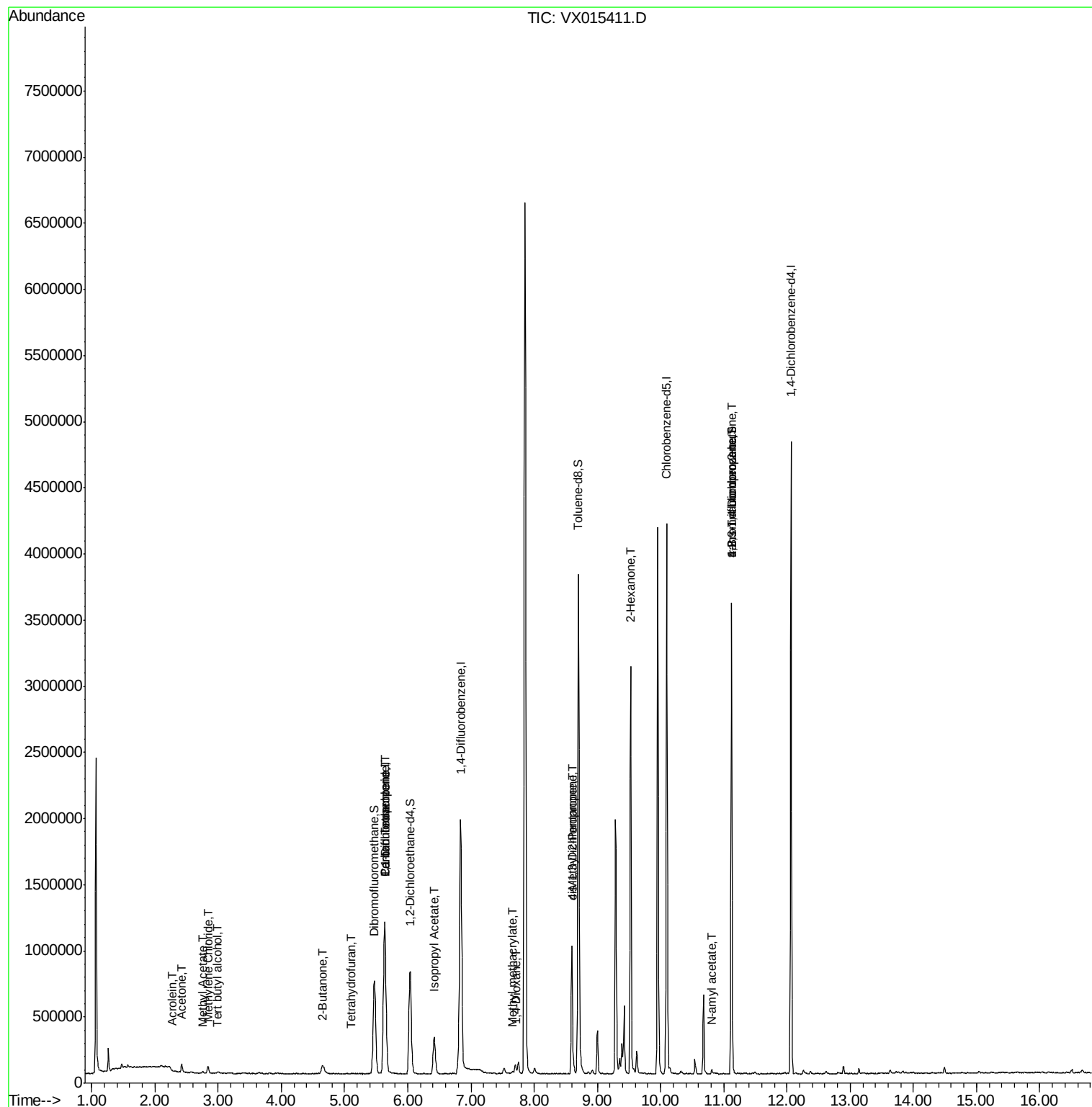
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	392	Below Cal	#	48
11) Tert butyl alcohol	2.99	59	11174	2.961	ug/l #	87
13) Acrolein	2.28	56	1274	0.593	ug/l #	14
16) Acetone	2.42	43	70660	10.431	ug/l	97
18) Methyl Acetate	2.75	43	14724	0.852	ug/l #	89
20) Methylene Chloride	2.84	84	23148	1.829	ug/l	95
25) 2-Butanone	4.65	43	17892	1.642	ug/l	91
29) Tetrahydrofuran	5.11	42	2483	0.355	ug/l #	48
36) 1,1-Dichloropropene	5.64	75	84094	4.982	ug/l #	52
38) Carbon Tetrachloride	5.63	117	112195	6.137	ug/l #	15
43) Isopropyl Acetate	6.42	43	408477	11.010	ug/l	100
48) Methyl methacrylate	7.66	41	23843	1.287	ug/l #	21
49) 1,4-Dioxane	7.72	88	693	2.005	ug/l #	20
51) 4-Methyl-2-Pentanone	8.60	43	374350	17.804	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	154315	6.832	ug/l #	50
59) 2-Hexanone	9.53	43	382409	24.089	ug/l #	52
74) N-amyl acetate	10.81	43	19108	0.572	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	494174	26.213	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	494174	62.897	ug/l #	10

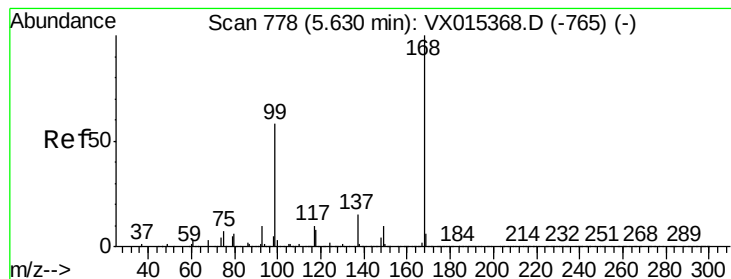
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
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: VX015411.D

Acq: 28 Mar 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

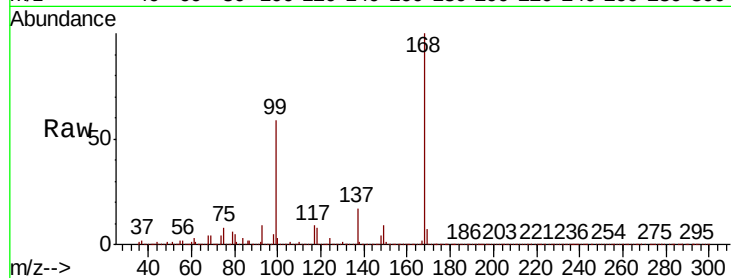
TP-15-SA

Tot Ion:168 Resp: 1117931

Ion Ratio Lower Upper

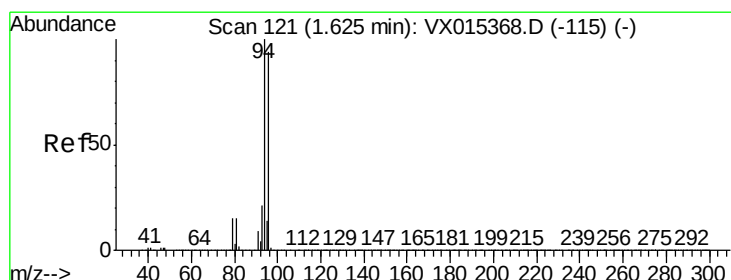
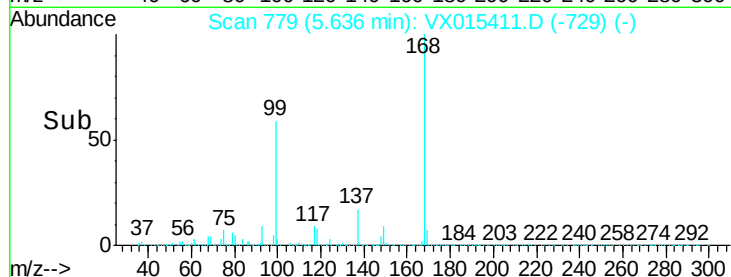
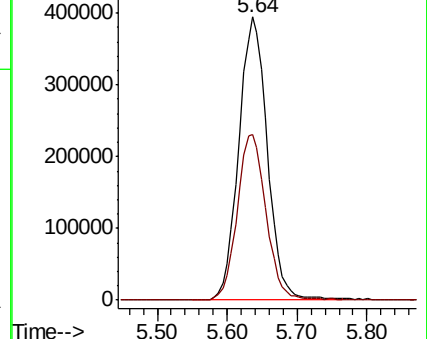
168 100

99 58.5 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015411.D

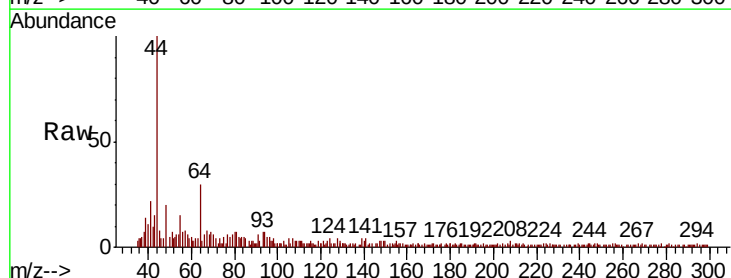
Acq: 28 Mar 2020 03:55

Tgt Ion: 94 Resp: 392

Ion Ratio Lower Upper

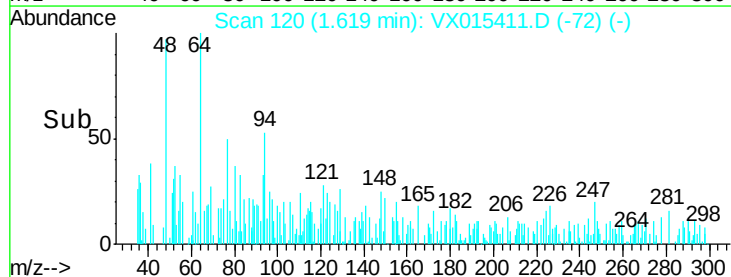
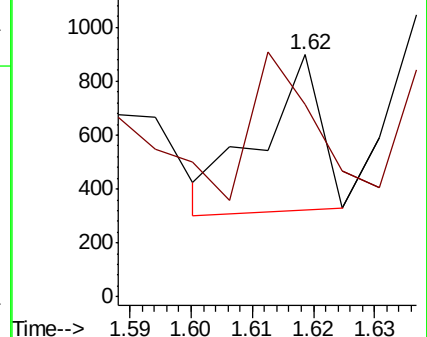
94 100

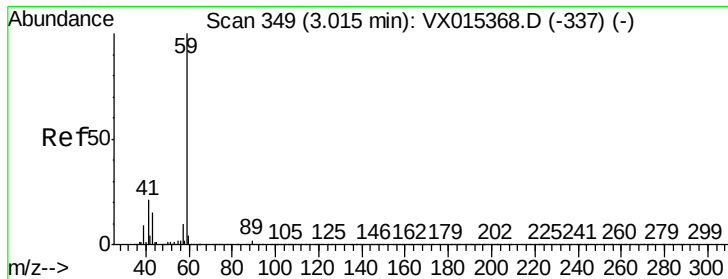
96 43.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

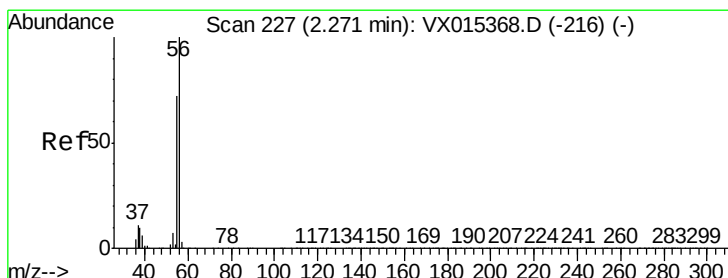
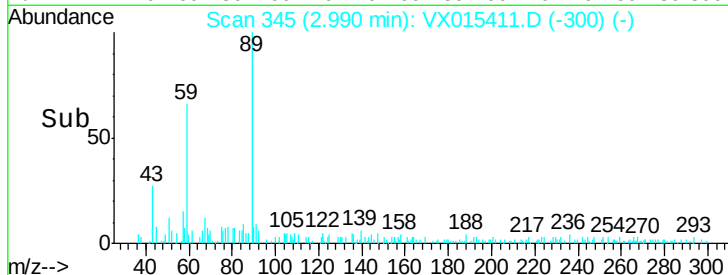
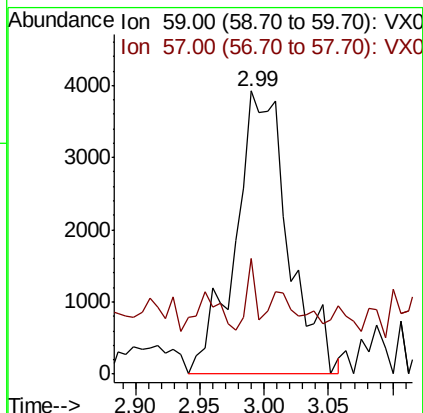
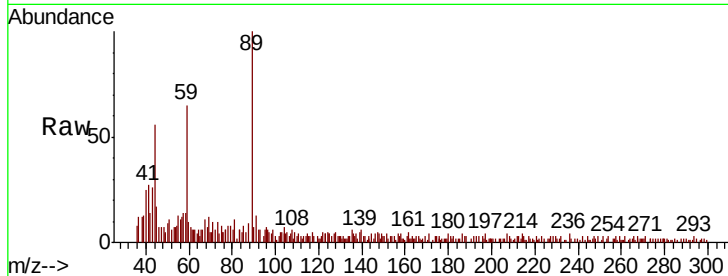




#11
Tert butyl alcohol
Concen: 2.961 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015411.D
Acq: 28 Mar 2020 03:55

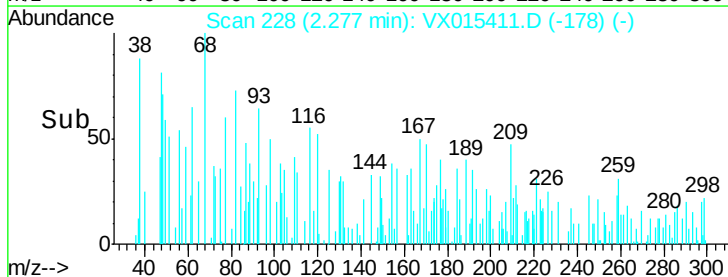
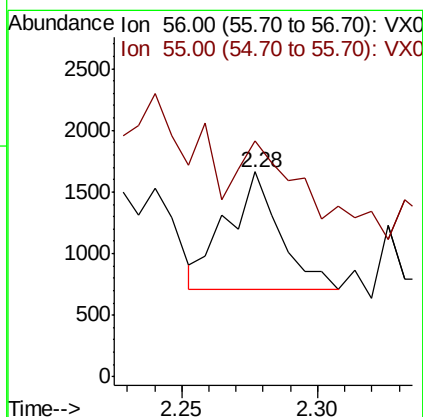
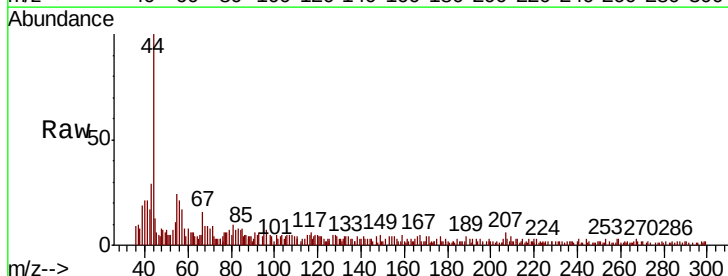
Instrument :
MSVOA_X
ClientSampled :
TP-15-SA

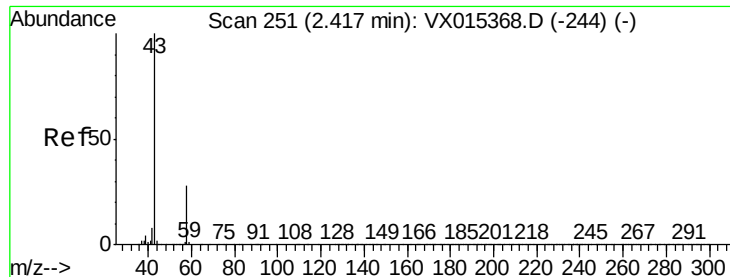
Tot Ion: 59 Resp: 11174
Ion Ratio Lower Upper
59 100
57 5.3 8.1 12.1#



#13
Acrolein
Concen: 0.593 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015411.D
Acq: 28 Mar 2020 03:55

Tgt Ion: 56 Resp: 1274
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 10.431 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015411.D

Acq: 28 Mar 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

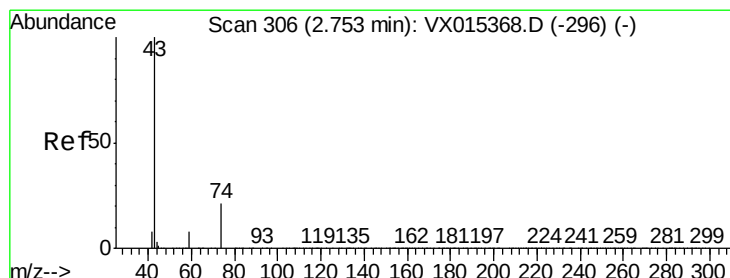
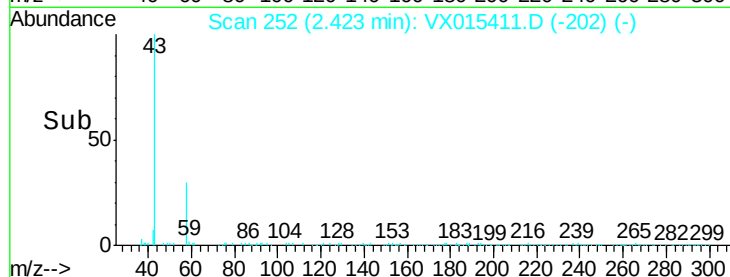
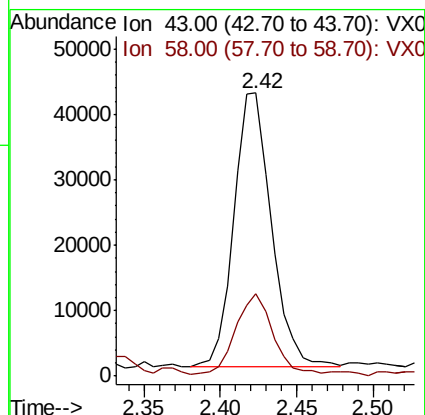
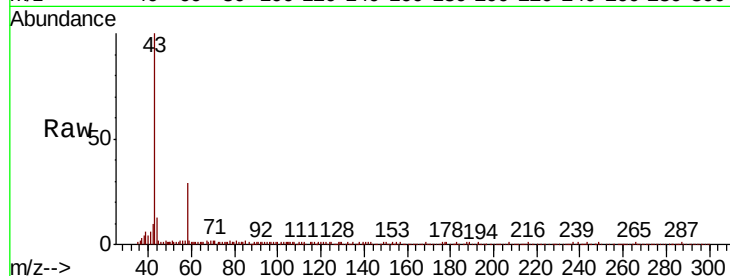
TP-15-SA

Tot Ion: 43 Resp: 70660

Ion Ratio Lower Upper

43 100

58 29.4 22.1 33.1



#18

Methyl Acetate

Concen: 0.852 ug/l

RT: 2.75 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX015411.D

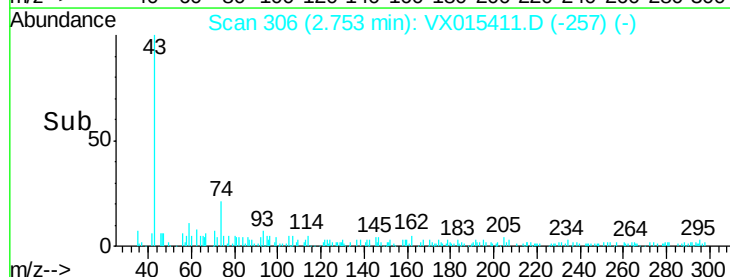
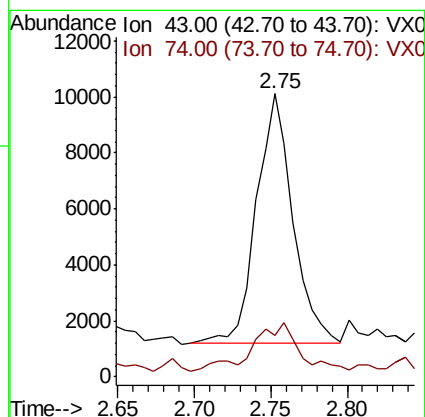
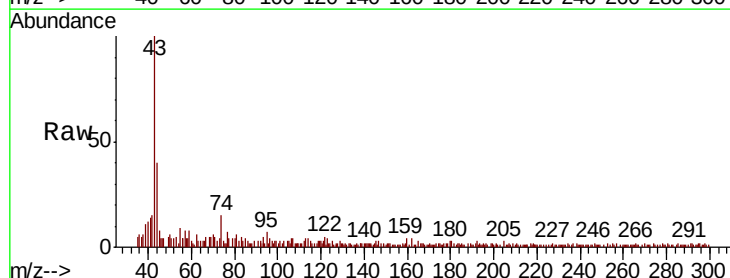
Acq: 28 Mar 2020 03:55

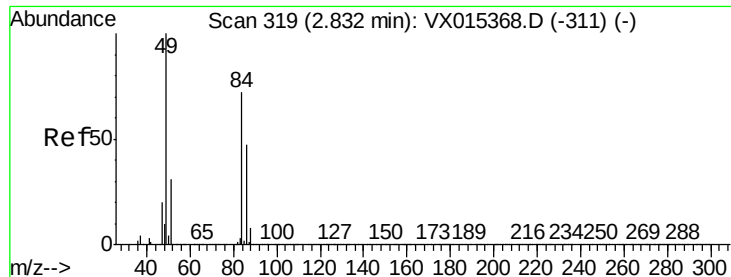
Tgt Ion: 43 Resp: 14724

Ion Ratio Lower Upper

43 100

74 25.8 16.5 24.7#

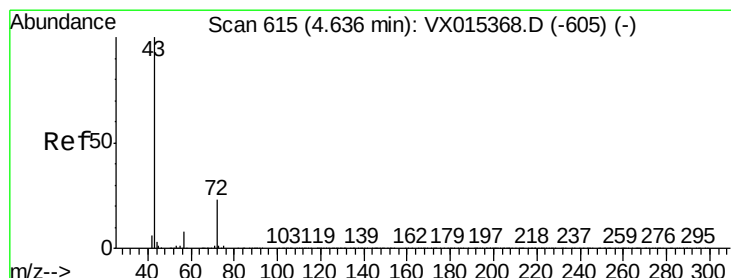
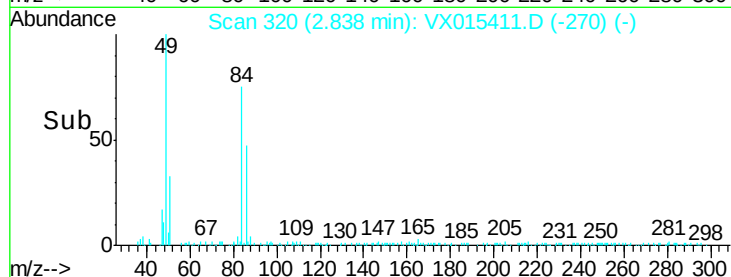
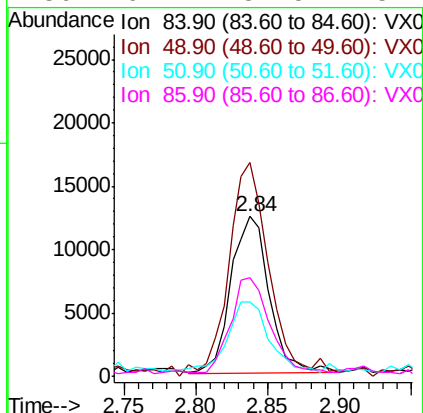
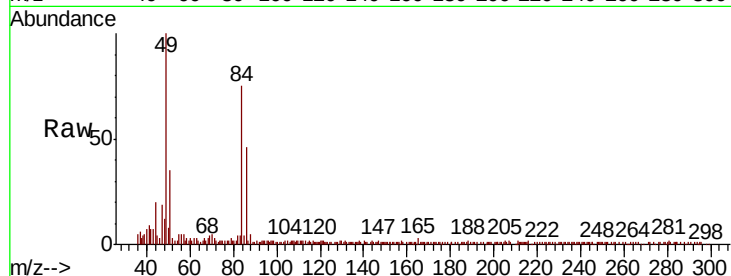




#20
Methylene Chloride
Concen: 1.829 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015411.D
Acq: 28 Mar 2020 03:55

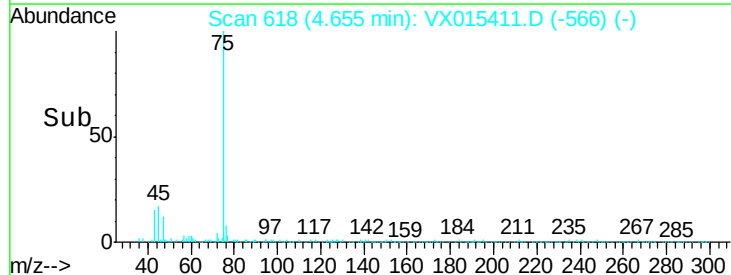
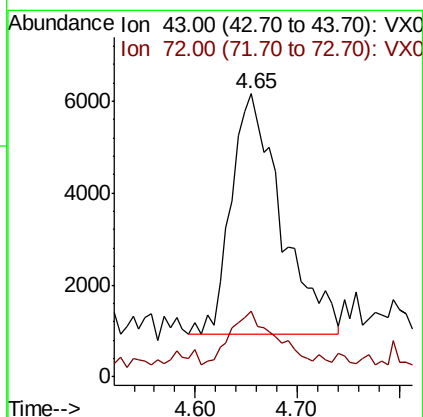
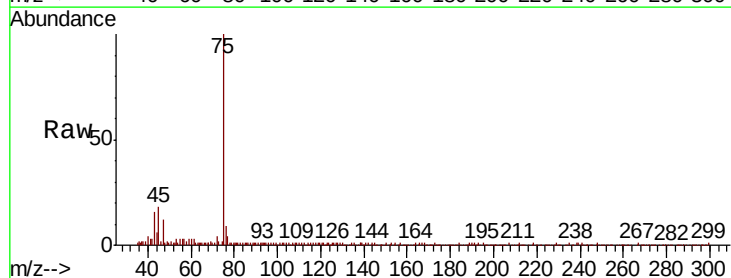
Instrument :
MSVOA_X
ClientSampled :
TP-15-SA

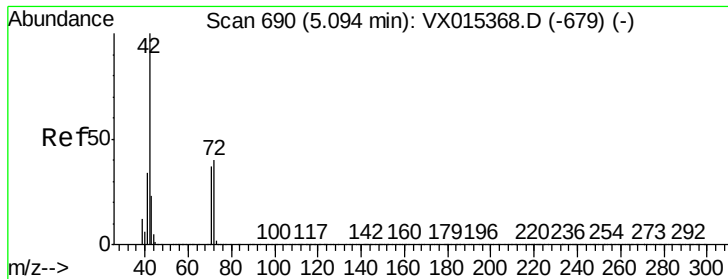
Tot Ion:	84	Resp:	23148
Ion	Ratio	Lower	Upper
84	100		
49	132.6	111.3	166.9
51	43.2	34.0	51.0
86	61.2	52.5	78.7



#25
2-Butanone
Concen: 1.642 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015411.D
Acq: 28 Mar 2020 03:55

Tgt Ion:	43	Resp:	17892
Ion	Ratio	Lower	Upper
43	100		
72	19.3	19.0	28.4





#29

Tetrahydrofuran

Concen: 0.355 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.02 min

Lab File: VX015411.D

Acq: 28 Mar 2020 03:55

Instrument :

MSVOA_X

ClientSampled :

TP-15-SA

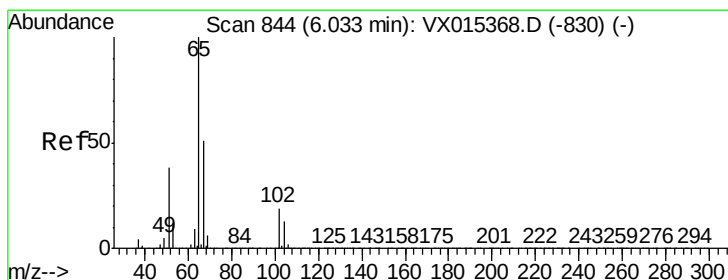
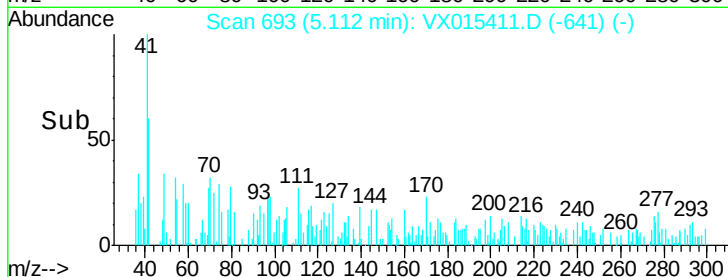
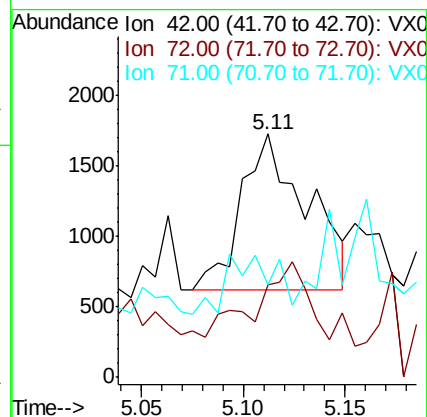
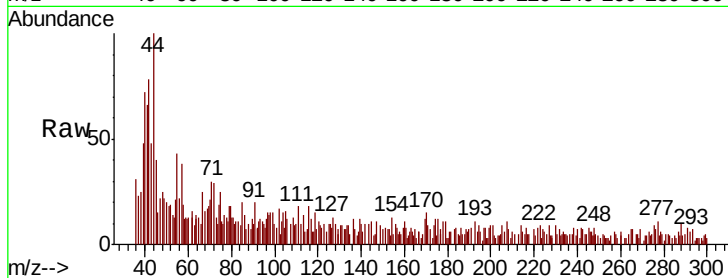
Tot Ion: 42 Resp: 2483

Ion Ratio Lower Upper

42 100

72 65.8 31.7 47.5#

71 0.0 29.6 44.4#



#33

1,2-Dichloroethane-d4

Concen: 47.874 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015411.D

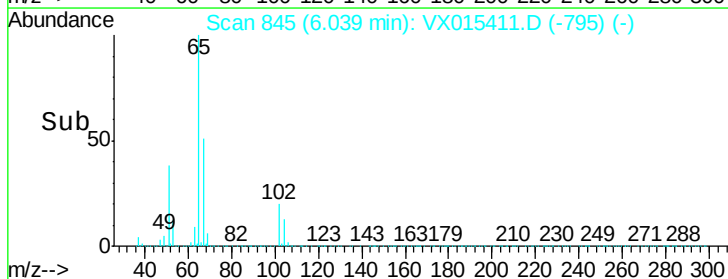
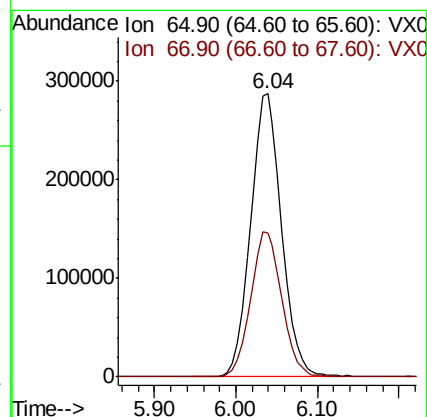
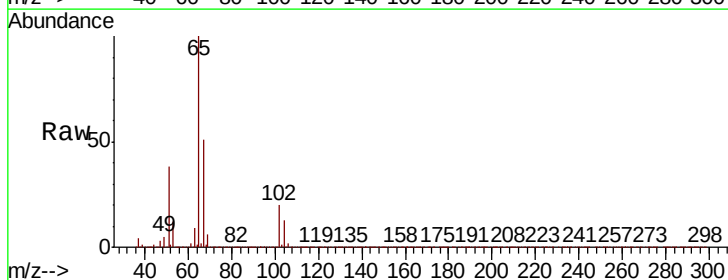
Acq: 28 Mar 2020 03:55

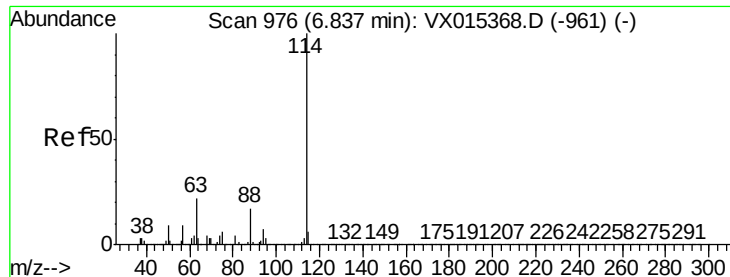
Tgt Ion: 65 Resp: 754836

Ion Ratio Lower Upper

65 100

67 51.1 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: VX015411.D

Acq: 28 Mar 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

TP-15-SA

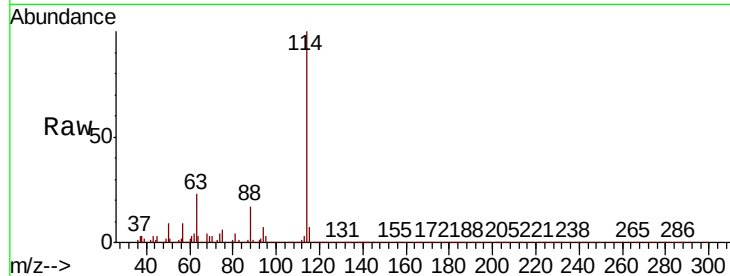
Tot Ion:114 Resp: 1831991

Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.2

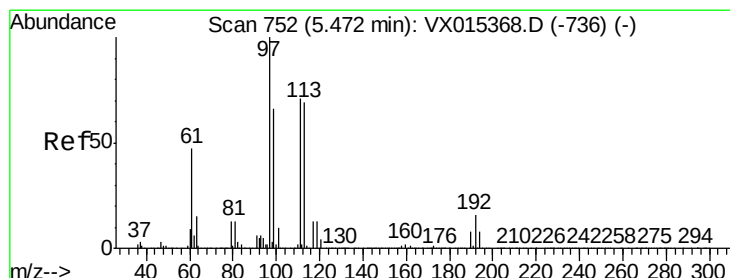
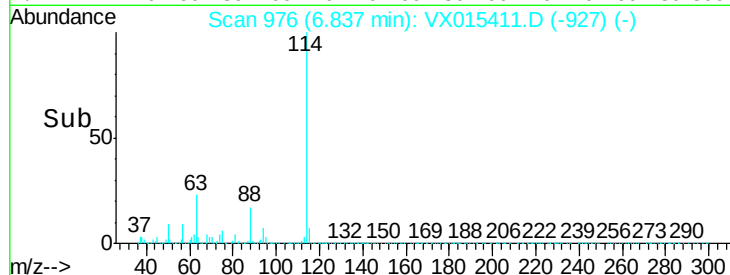
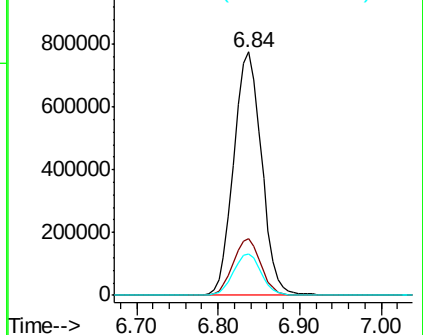
88 16.9 0.0 33.8



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: 50.584 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015411.D

Acq: 28 Mar 2020 03:55

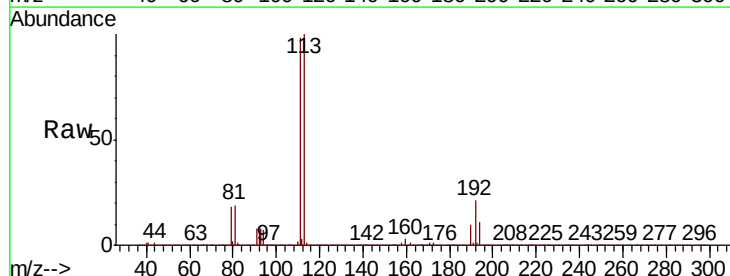
Tgt Ion:113 Resp: 592372

Ion Ratio Lower Upper

113 100

111 101.6 81.5 122.3

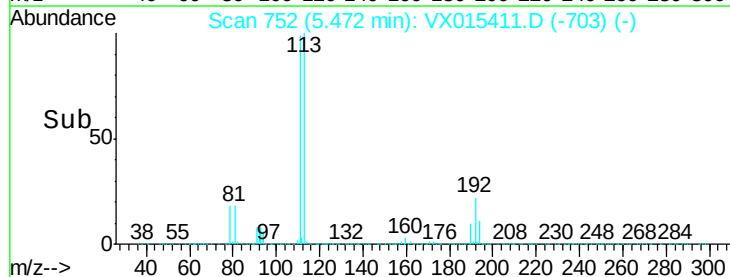
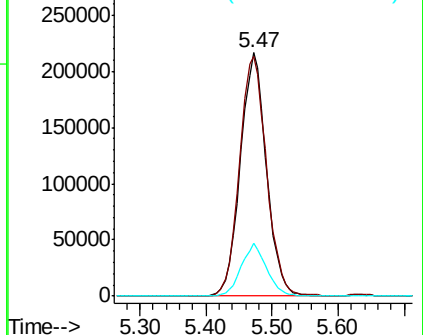
192 20.8 17.8 26.6

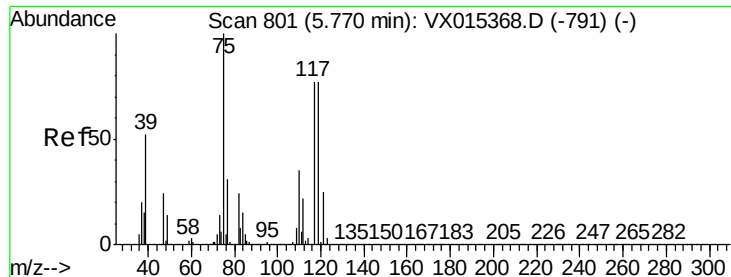


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.982 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015411.D

Acq: 28 Mar 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

TP-15-SA

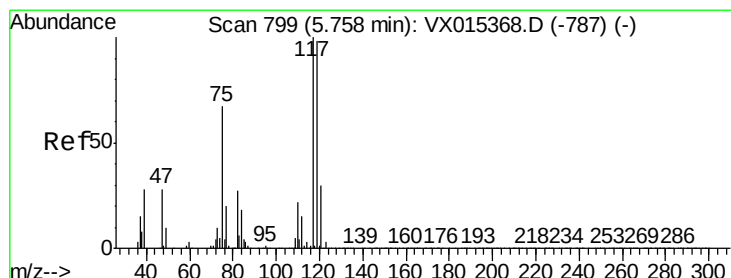
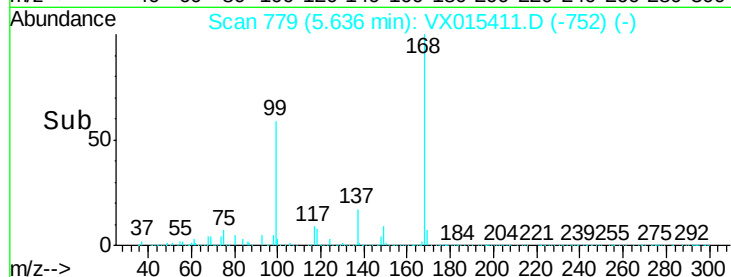
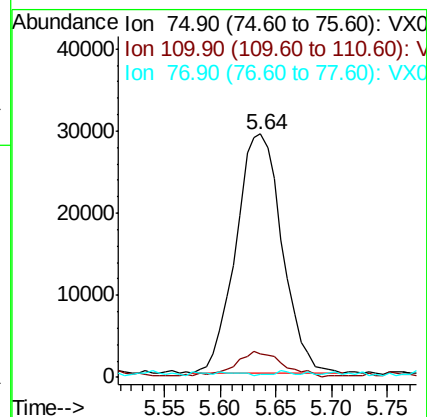
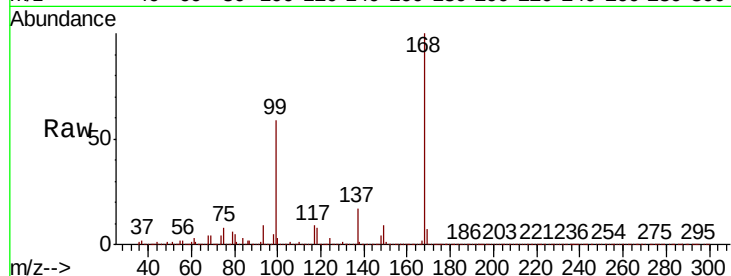
Tot Ion: 75 Resp: 84094

Ion Ratio Lower Upper

75 100

110 10.4 17.1 51.3#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.137 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015411.D

Acq: 28 Mar 2020 03:55

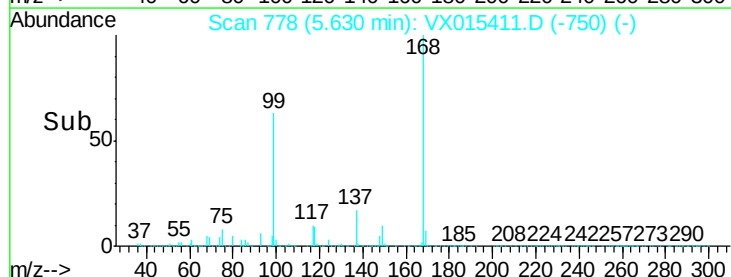
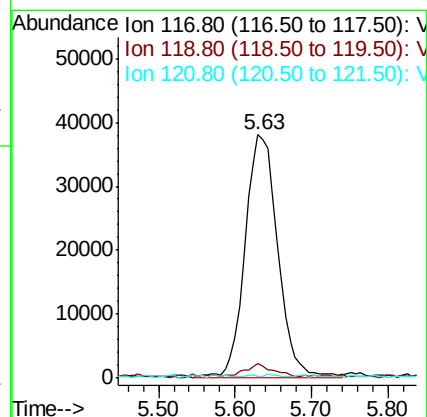
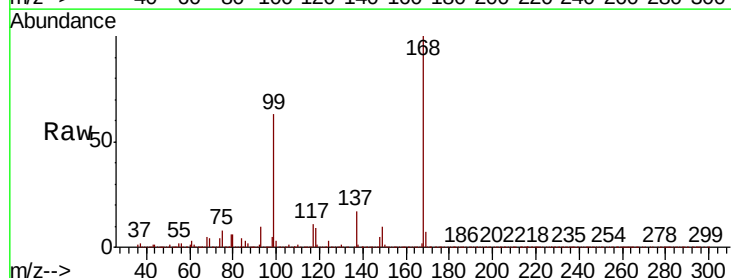
Tgt Ion: 117 Resp: 112195

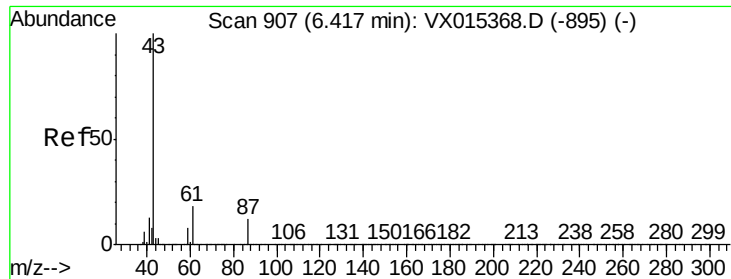
Ion Ratio Lower Upper

117 100

119 4.5 78.0 117.0#

121 0.1 23.8 35.8#



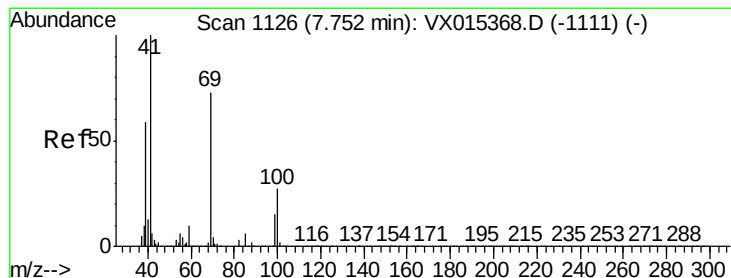
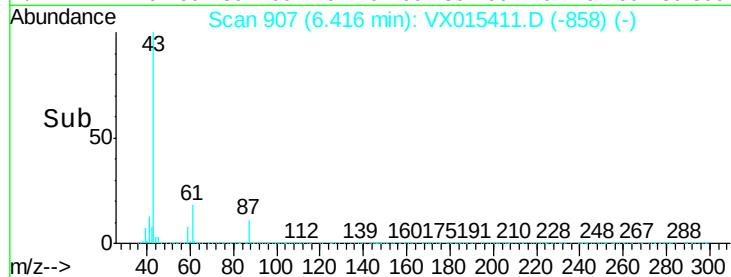
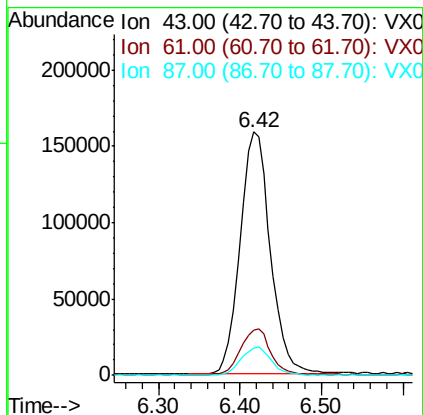
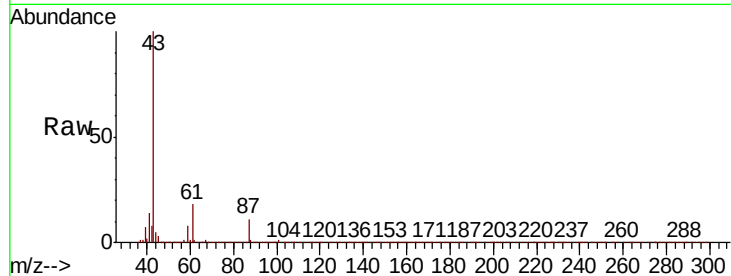


#43

Isopropyl Acetate
 Concen: 11.010 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: VX015411.D
 Acq: 28 Mar 2020 03:55

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-15-SA

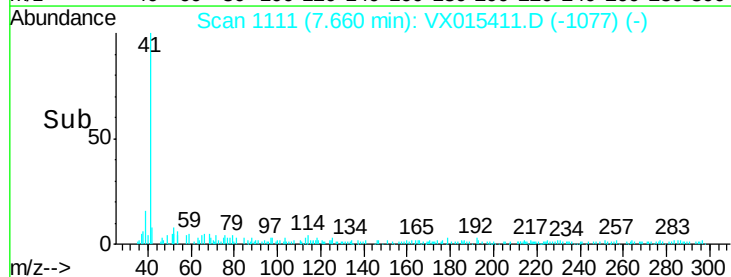
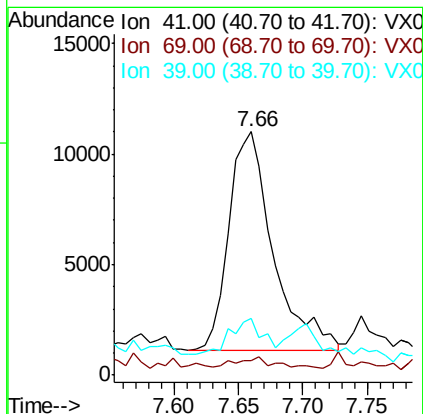
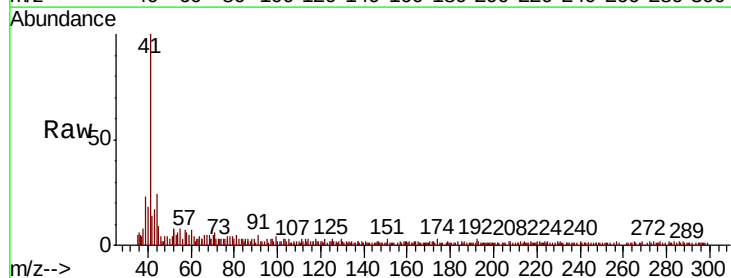
Tot Ion	43	Resp	408477
Ion Ratio	Lower	Upper	
43	100		
61	18.7	14.8	22.2
87	11.8	9.4	14.0

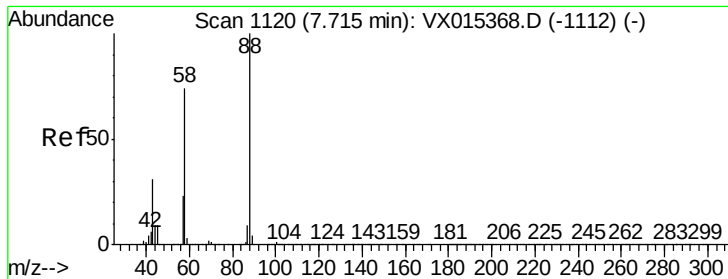


#48

Methyl methacrylate
 Concen: 1.287 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. -0.09 min
 Lab File: VX015411.D
 Acq: 28 Mar 2020 03:55

Tgt Ion	41	Resp	23843
Ion Ratio	Lower	Upper	
41	100		
69	4.8	56.7	85.1#
39	0.0	46.5	69.7#





#49

1,4-Dioxane

Concen: 2.005 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015411.D

Acq: 28 Mar 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

TP-15-SA

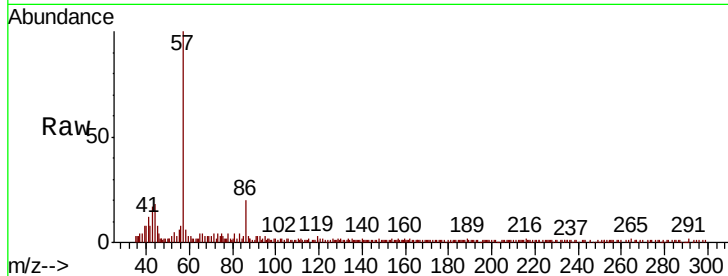
Tot Ion: 88 Resp: 693

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

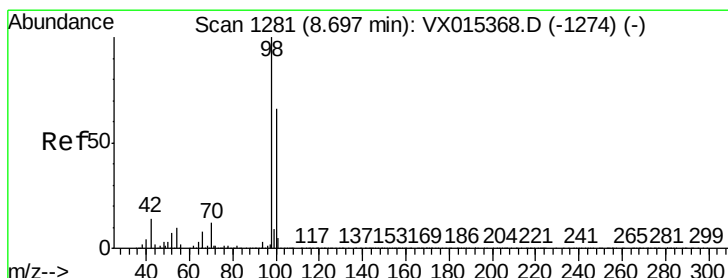
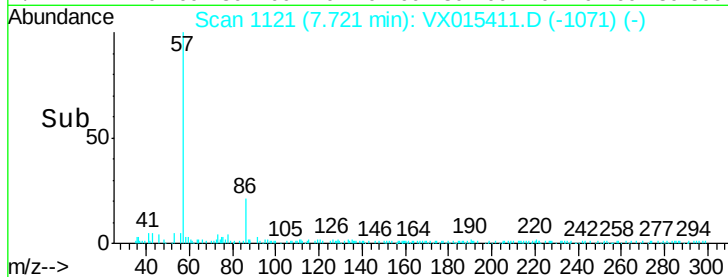
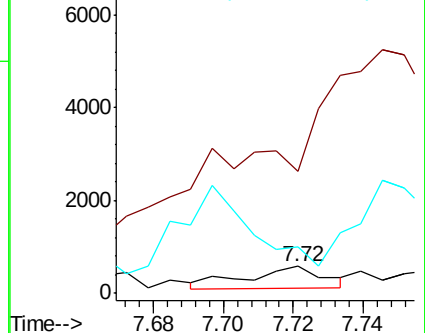
58 0.0 60.6 90.8#



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: 51.437 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015411.D

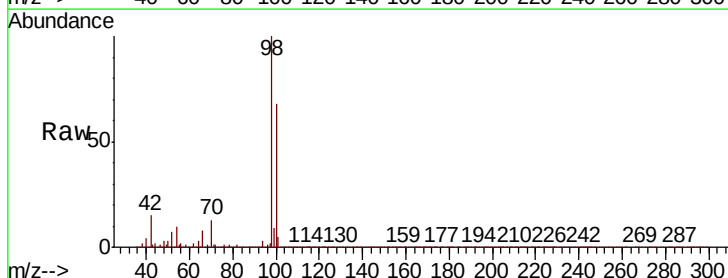
Acq: 28 Mar 2020 03:55

Tgt Ion: 98 Resp: 2217725

Ion Ratio Lower Upper

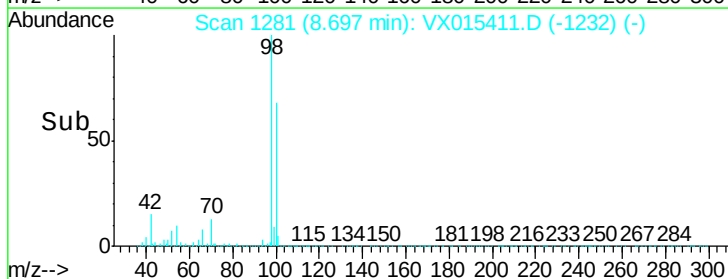
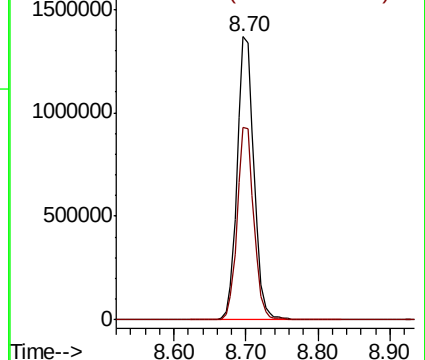
98 100

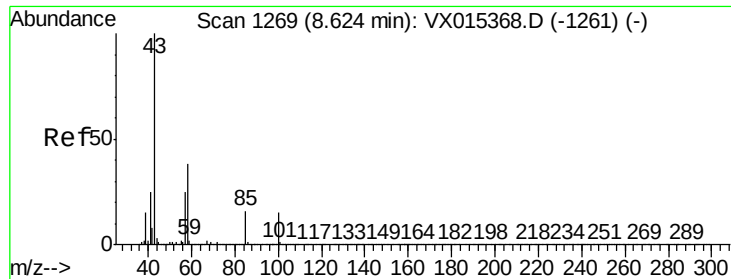
100 67.2 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

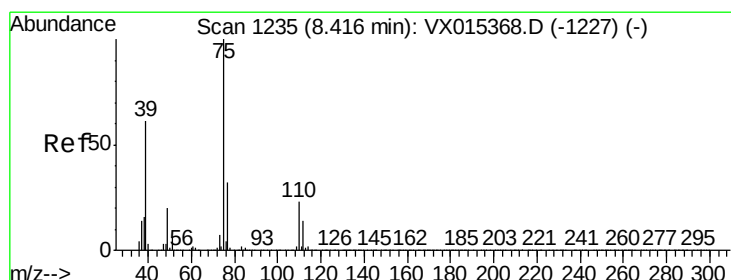
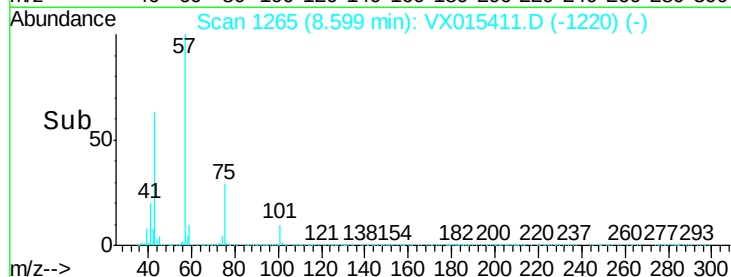
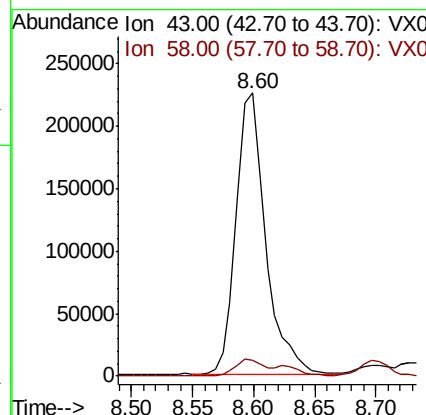
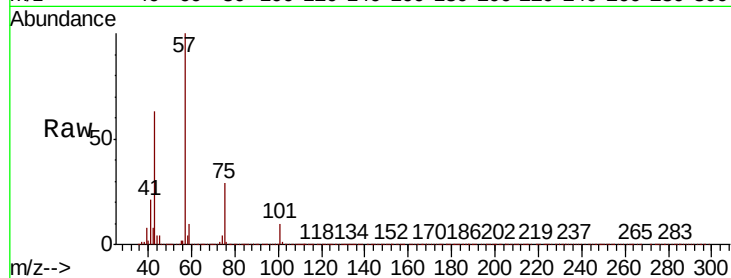




#51
 4-Methyl-2-Pentanone
 Concen: 17.804 ug/l
 RT: 8.60 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: VX015411.D
 Acq: 28 Mar 2020 03:55

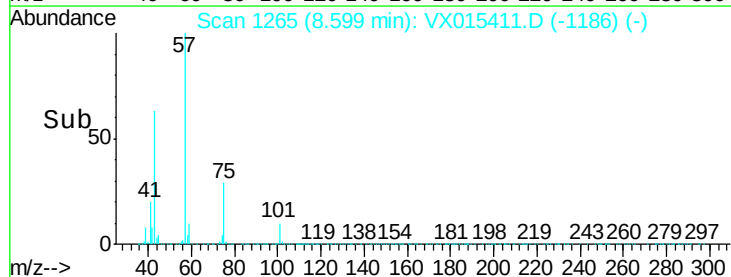
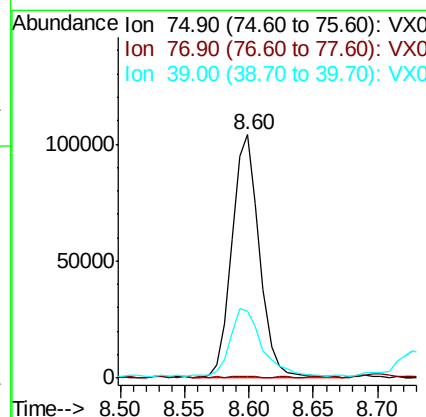
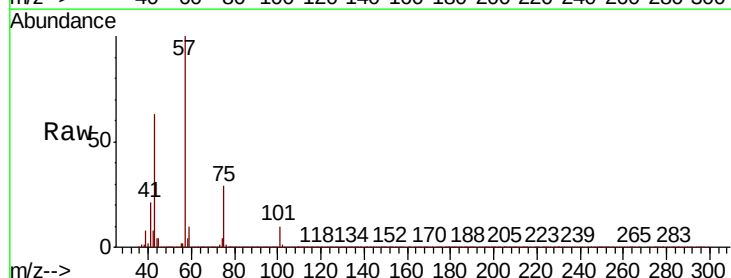
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-15-SA

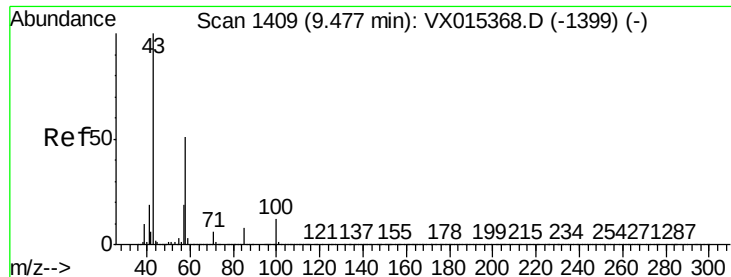
Tot Ion: 43 Resp: 374350
 Ion Ratio Lower Upper
 43 100
 58 6.1 29.7 44.5#



#54
 cis-1,3-Dichloropropene
 Concen: 6.832 ug/l
 RT: 8.60 min Scan# 1265
 Delta R.T. 0.18 min
 Lab File: VX015411.D
 Acq: 28 Mar 2020 03:55

Tgt Ion: 75 Resp: 154315
 Ion Ratio Lower Upper
 75 100
 77 0.2 25.8 38.6#
 39 26.2 49.0 73.4#

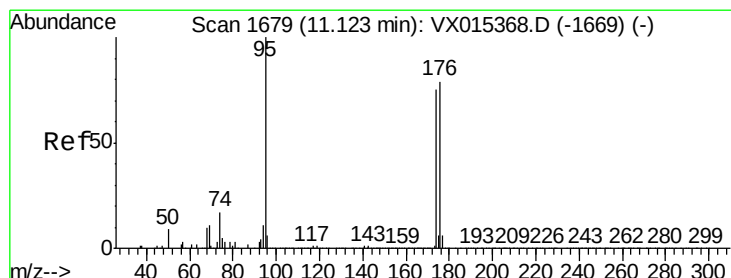
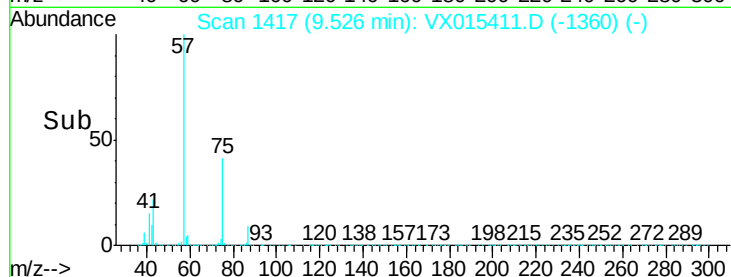
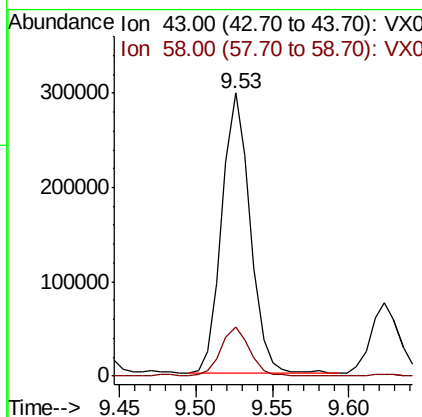
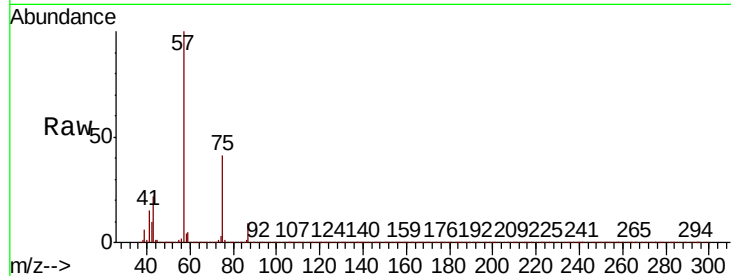




#59
2-Hexanone
Concen: 24.089 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015411.D
Acq: 28 Mar 2020 03:55

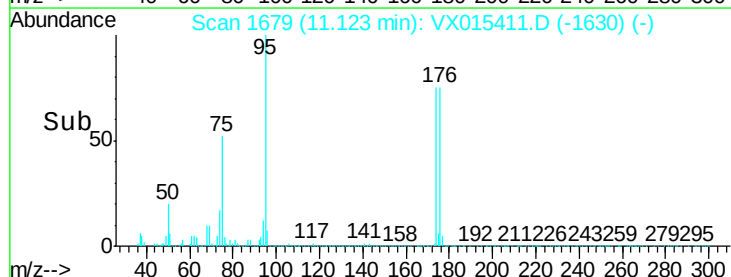
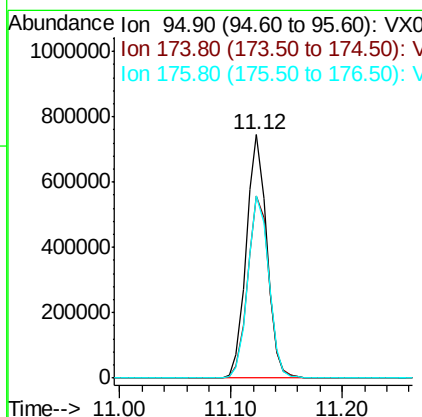
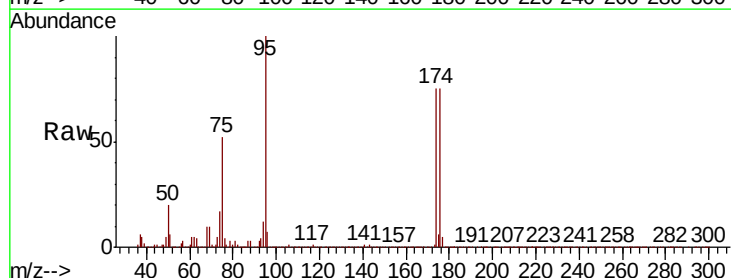
Instrument :
MSVOA_X
ClientSampleId :
TP-15-SA

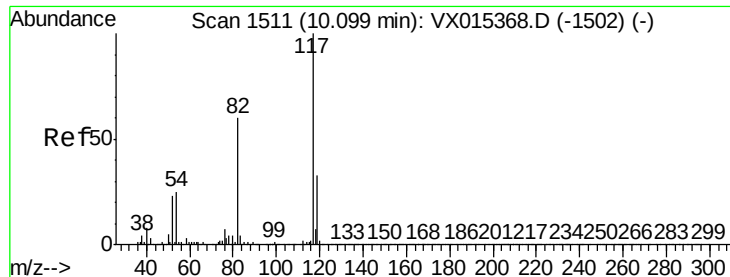
Tot Ion: 43 Resp: 382409
Ion Ratio Lower Upper
43 100
58 17.6 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 54.244 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015411.D
Acq: 28 Mar 2020 03:55

Tgt Ion: 95 Resp: 950473
Ion Ratio Lower Upper
95 100
174 77.1 0.0 158.6
176 76.6 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: VX015411.D

Acq: 28 Mar 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

TP-15-SA

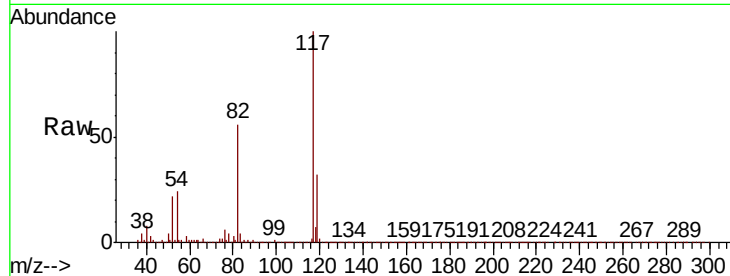
Tot Ion:117 Resp: 1765617

Ion Ratio Lower Upper

117 100

82 56.1 47.8 71.8

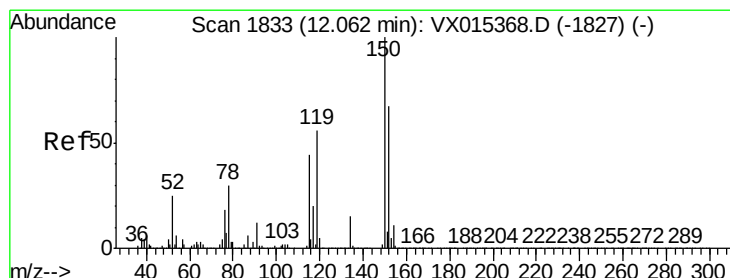
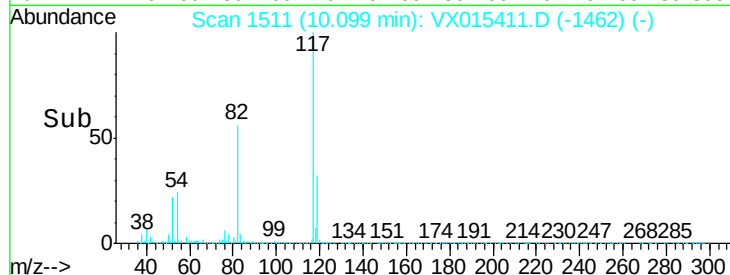
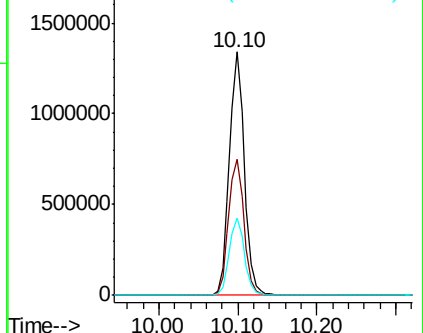
119 31.8 26.8 40.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015411.D

Acq: 28 Mar 2020 03:55

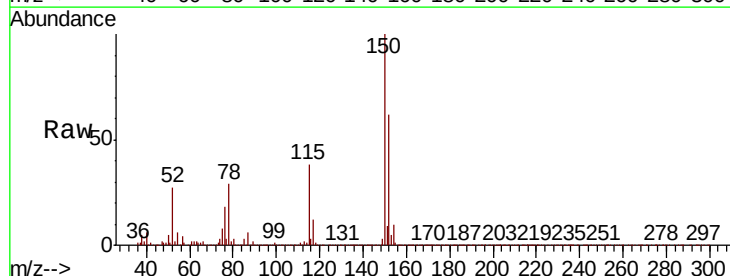
Tgt Ion:152 Resp: 916755

Ion Ratio Lower Upper

152 100

115 60.1 39.0 116.9

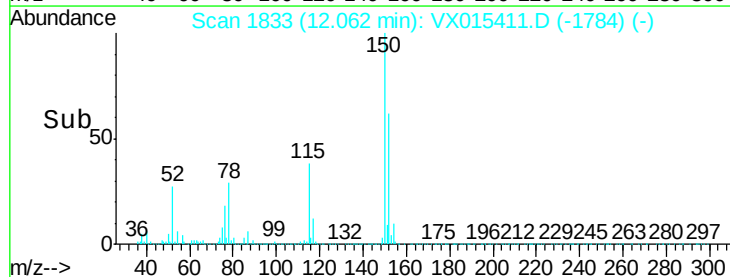
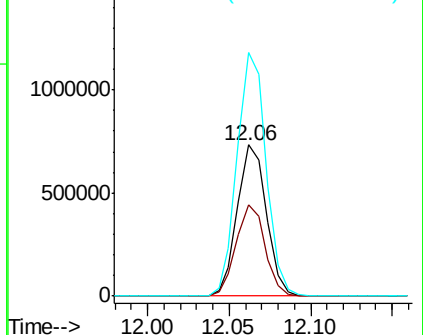
150 159.8 0.0 340.8

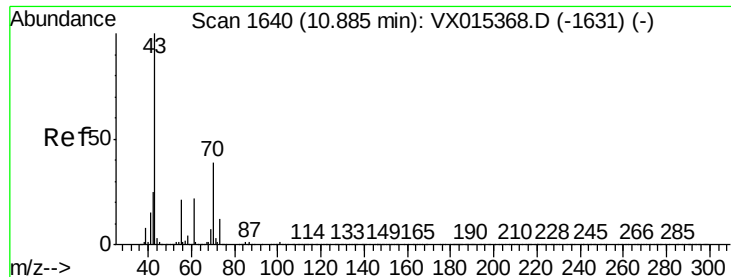


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

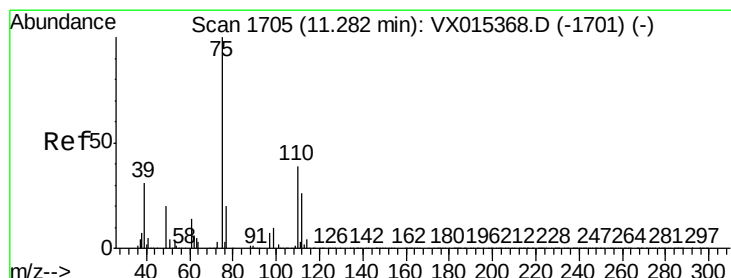
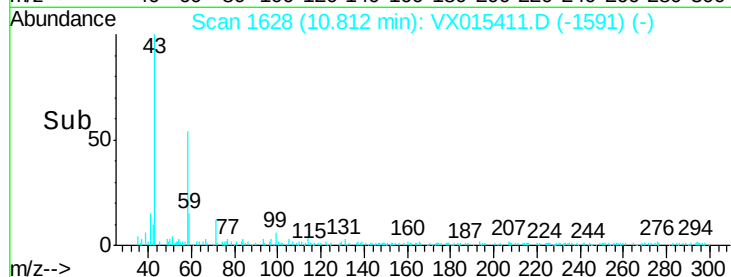
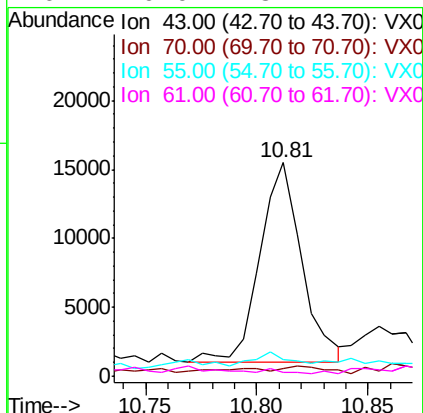
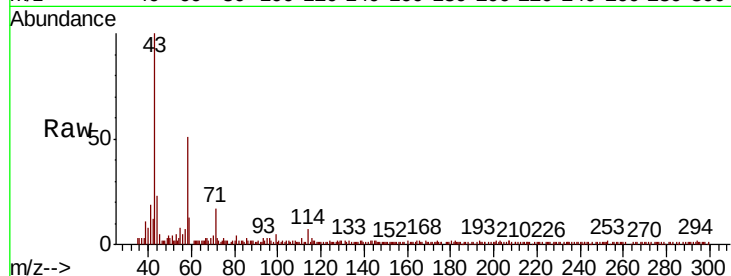




#74
N-amvl acetate
Concen: 0.572 ug/l
RT: 10.81 min Scan# 1628
Delta R.T. -0.07 min
Lab File: VX015411.D
Acq: 28 Mar 2020 03:55

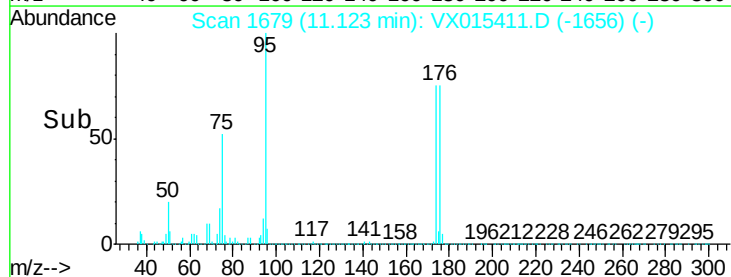
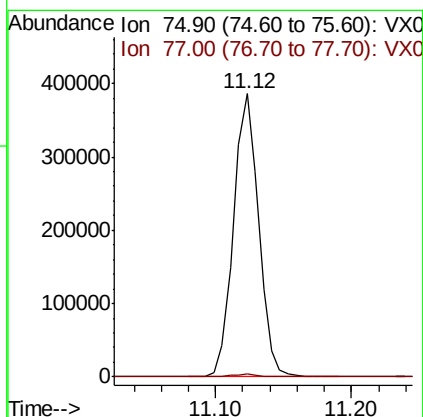
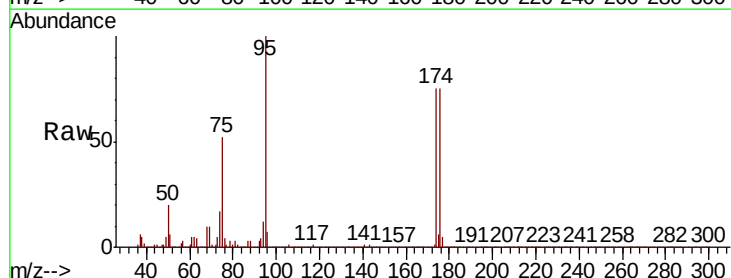
Instrument :
MSVOA_X
ClientSampleId :
TP-15-SA

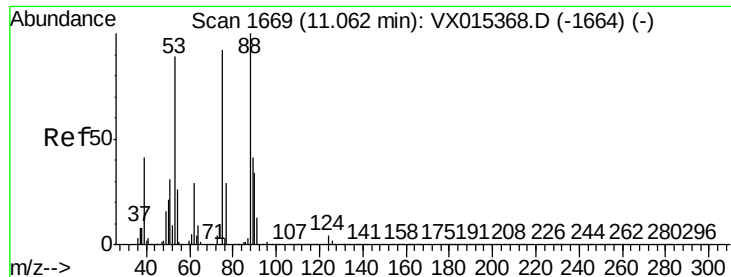
Tot Ion:	43	Resp:	19108
Ion	Ratio	Lower	Upper
43	100		
70	3.4	30.2	45.4#
55	6.2	16.8	25.2#
61	0.0	18.2	27.2#



#76
1,2,3-Trichloropropane
Concen: 26.213 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015411.D
Acq: 28 Mar 2020 03:55

Tgt Ion:	75	Resp:	494174
Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.2	63.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.897 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015411.D

Acq: 28 Mar 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

TP-15-SA

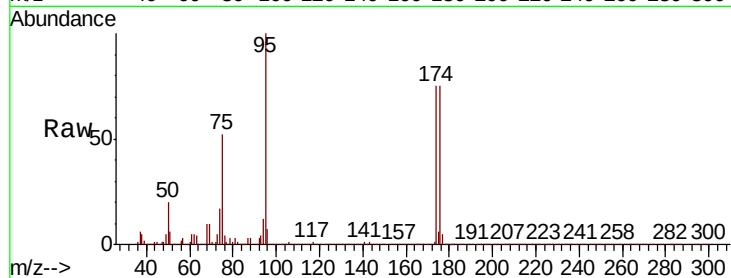
Tot Ion: 75 Resp: 494174

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.1 36.1 54.1#



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

