

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032720\
 Data File : VX015410.D
 Acq On : 28 Mar 2020 03:32
 Operator : JC/SP
 Sample : L2053-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-13-SA

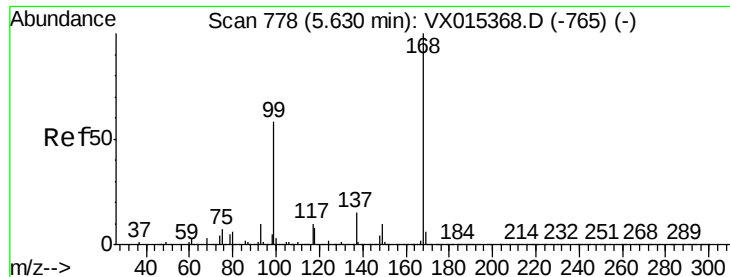
Quant Time: Mar 30 01:52:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1124457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1855023	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1742616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	948672	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	766721	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	5.47	113	590132	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	8.70	98	2214598	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.12	95	961030	54.17	ug/l	0.00
Spiked Amount			Recovery	=	108.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.60	94	426	Below Cal	#	10
11) Tert butyl alcohol	2.99	59	12056	3.176	ug/l #	80
13) Acrolein	2.28	56	3869	1.789	ug/l	88
16) Acetone	2.42	43	182169	26.736	ug/l	99
18) Methyl Acetate	2.76	43	16234	0.934	ug/l	95
20) Methylene Chloride	2.84	84	27254	2.141	ug/l	94
25) 2-Butanone	4.65	43	61299	5.594	ug/l	97
29) Tetrahydrofuran	5.12	42	2104	0.299	ug/l #	64
31) Cyclohexane	5.63	56	24018	1.196	ug/l #	20
36) 1,1-Dichloropropene	5.63	75	84711	4.956	ug/l #	51
37) Ethyl Acetate	4.65	43	61299	2.754	ug/l #	78
38) Carbon Tetrachloride	5.64	117	110673	5.978	ug/l #	14
43) Isopropyl Acetate	6.42	43	415732	11.066	ug/l	99
48) Methyl methacrylate	7.65	41	22218	1.184	ug/l #	20
49) 1,4-Dioxane	7.69	88	844	2.411	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	384048	18.038	ug/l #	51
54) cis-1,3-Dichloropropene	8.60	75	154721	6.765	ug/l #	54
59) 2-Hexanone	9.53	43	387653	24.116	ug/l #	51
74) N-amyl acetate	10.81	43	18496	0.535	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	487775	25.003	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	487775	59.994	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015410.D

Acq: 28 Mar 2020 03:32

Instrument :

MSVOA_X

ClientSampleId :

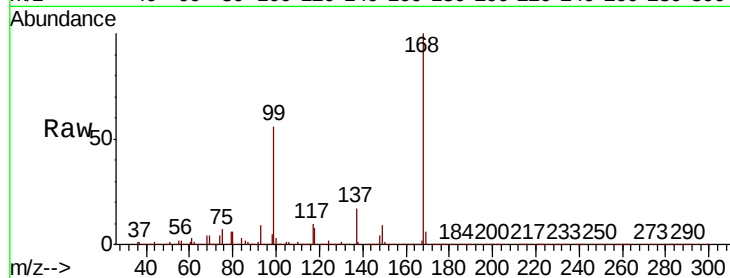
TP-13-SA

Tot Ion:168 Resp: 1124457

Ion Ratio Lower Upper

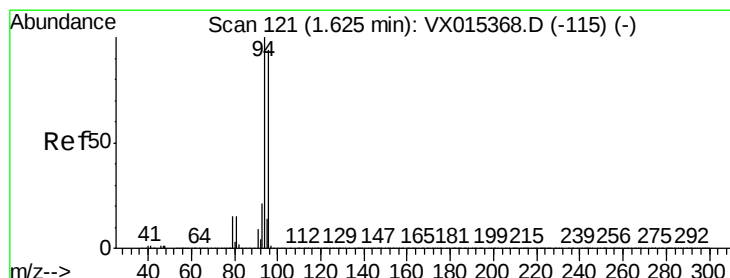
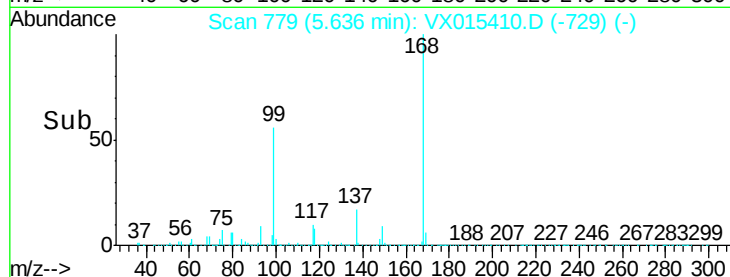
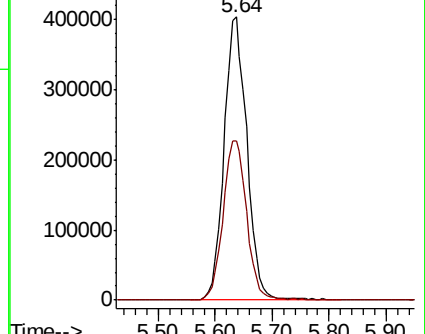
168 100

99 56.3 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: 1.60 min Scan# 117

Delta R.T. -0.02 min

Lab File: VX015410.D

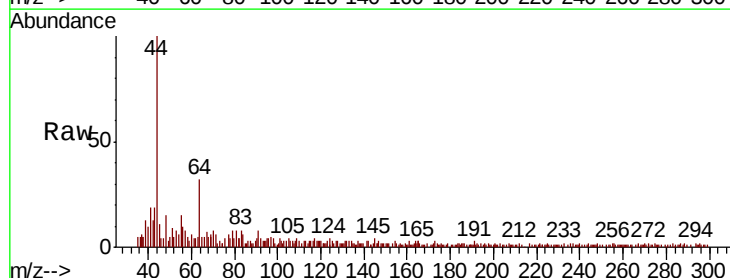
Acq: 28 Mar 2020 03:32

Tgt Ion: 94 Resp: 426

Ion Ratio Lower Upper

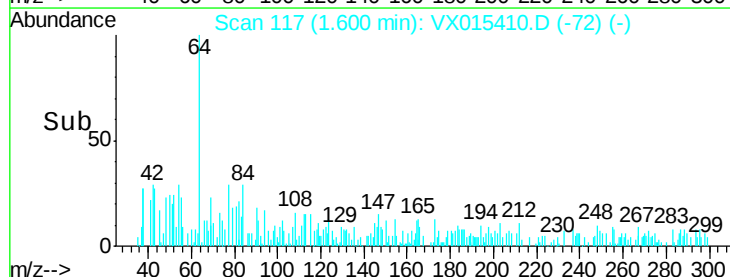
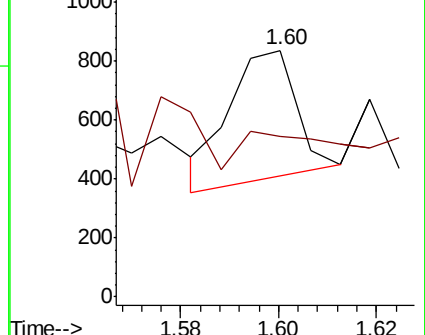
94 100

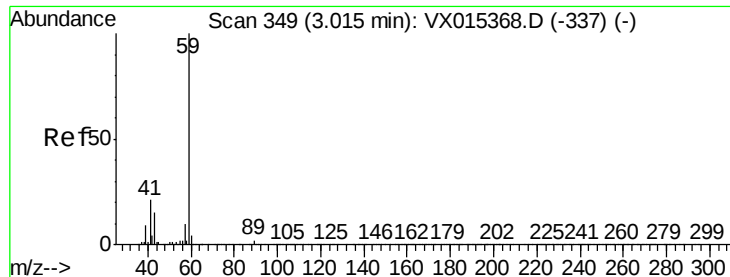
96 6.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

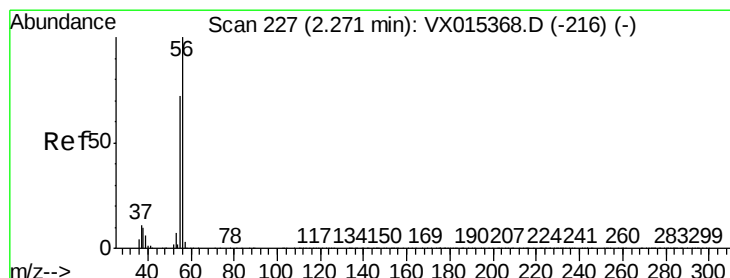
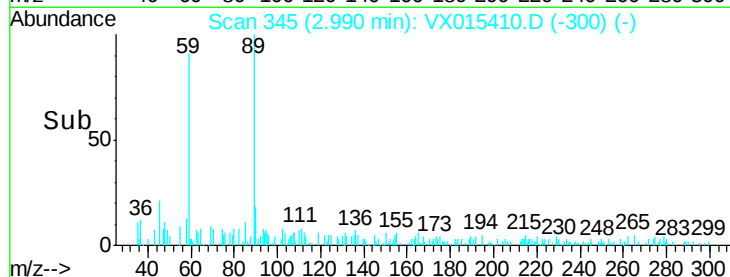
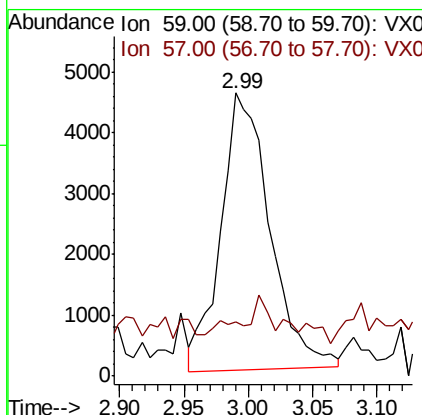
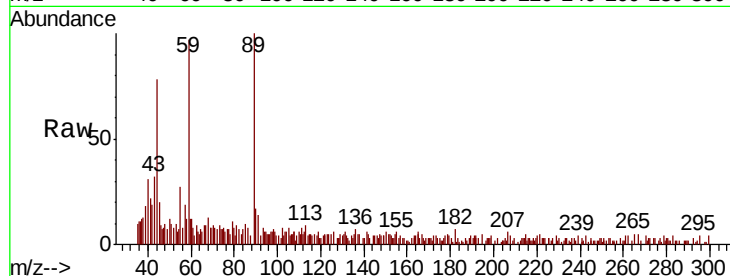




#11
Tert butyl alcohol
Concen: 3.176 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

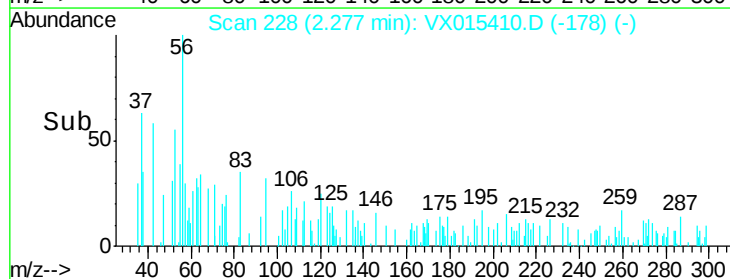
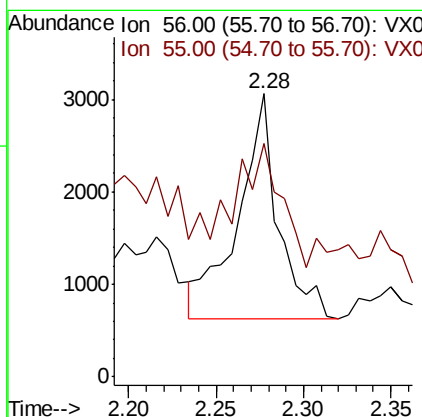
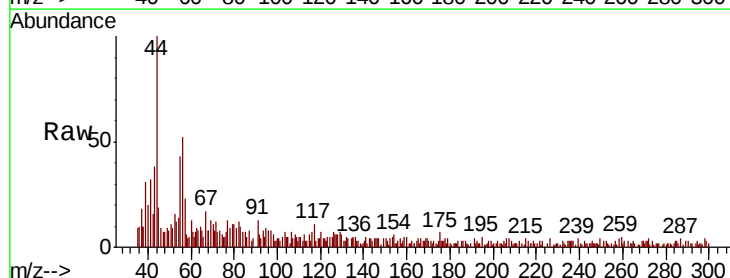
Instrument :
MSVOA_X
ClientSampleId :
TP-13-SA

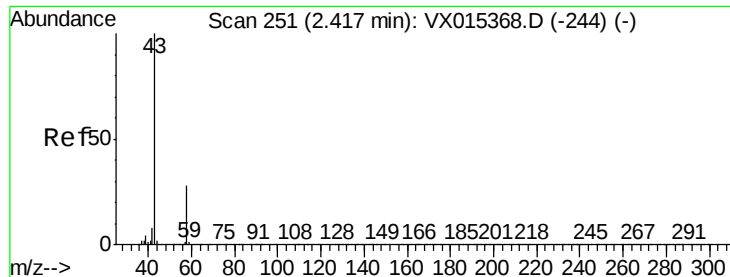
Tot Ion: 59 Resp: 12056
Ion Ratio Lower Upper
59 100
57 2.7 8.1 12.1#



#13
Acrolein
Concen: 1.789 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

Tgt Ion: 56 Resp: 3869
Ion Ratio Lower Upper
56 100
55 61.2 57.0 85.4

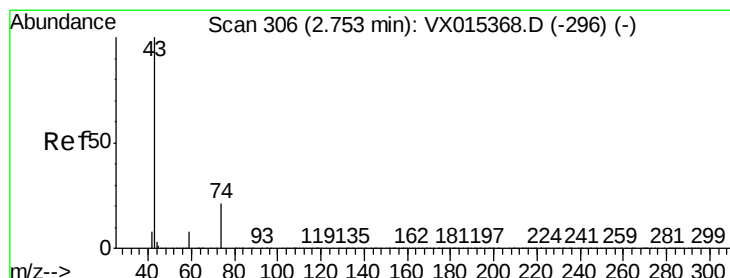
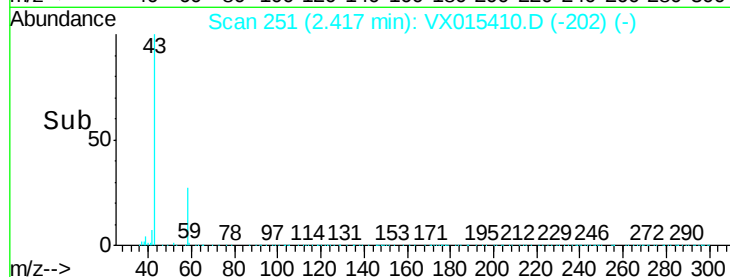
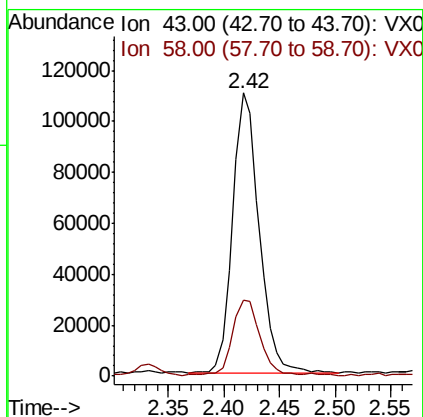
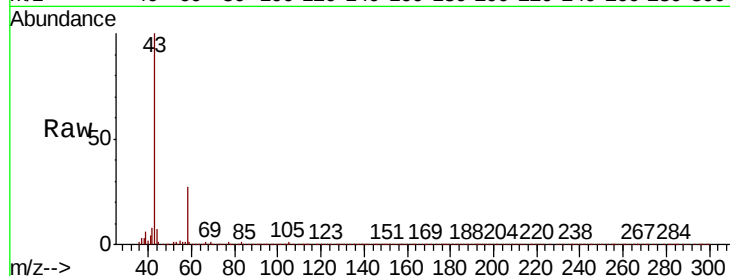




#16
Acetone
Concen: 26.736 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

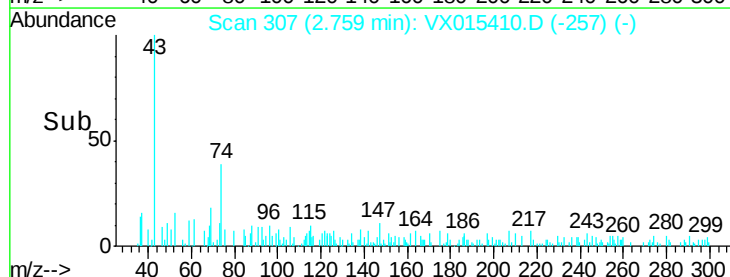
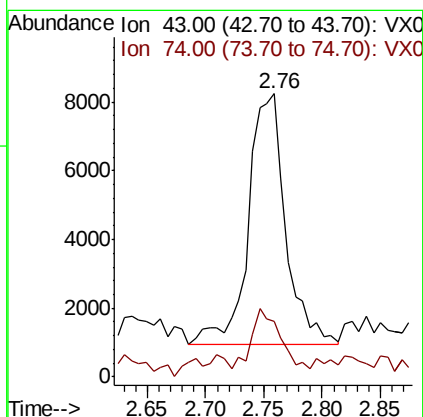
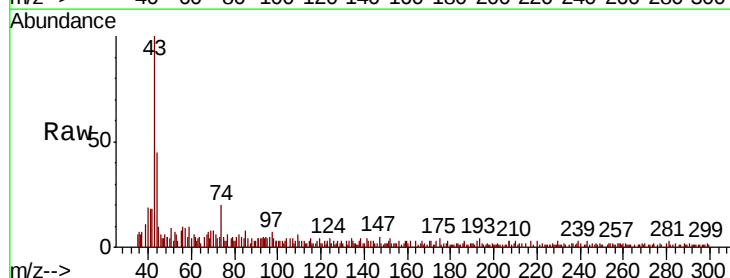
Instrument :
MSVOA_X
ClientSampleId :
TP-13-SA

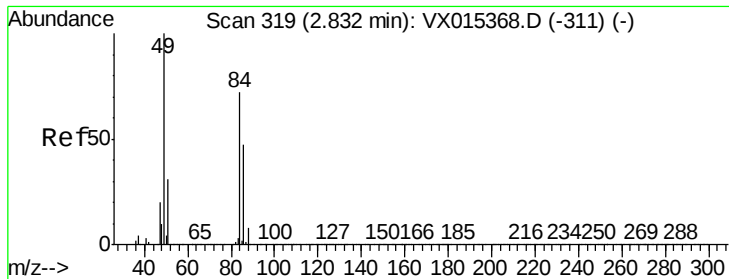
Tot Ion: 43 Resp: 182169
Ion Ratio Lower Upper
43 100
58 27.0 22.1 33.1



#18
Methyl Acetate
Concen: 0.934 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

Tgt Ion: 43 Resp: 16234
Ion Ratio Lower Upper
43 100
74 18.2 16.5 24.7

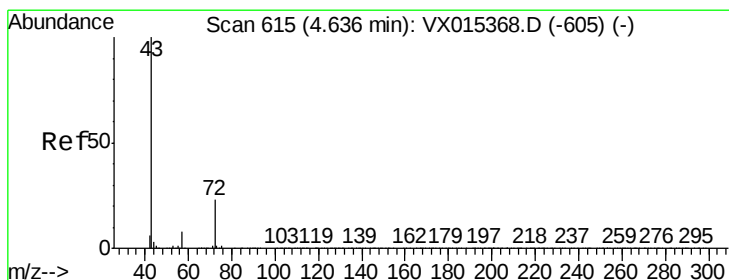
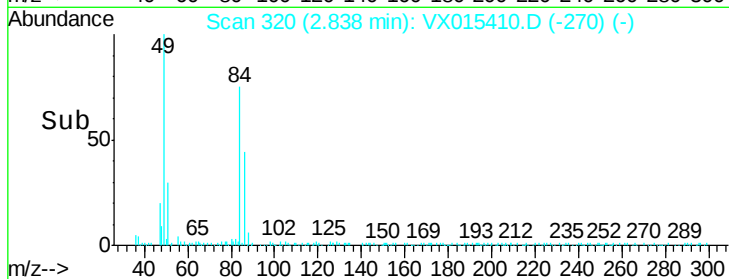
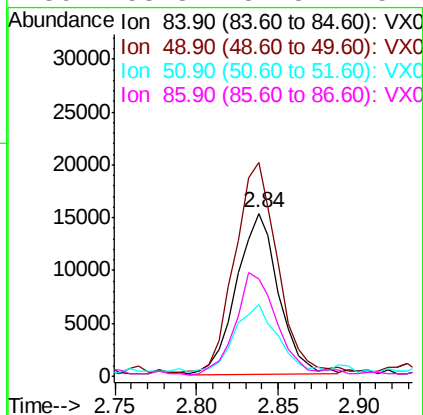
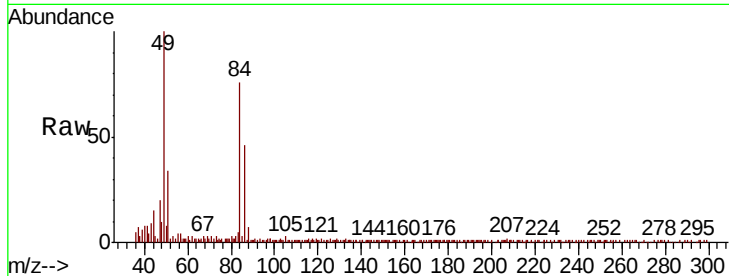




#20
Methvlene Chloride
Concen: 2.141 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

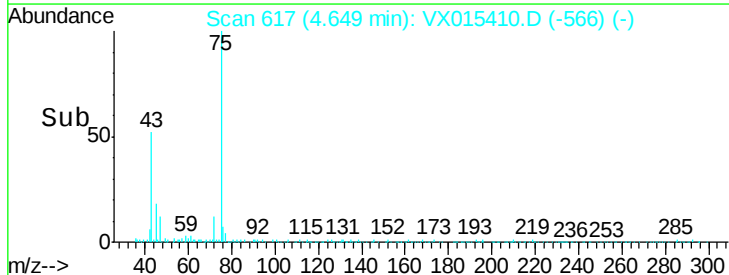
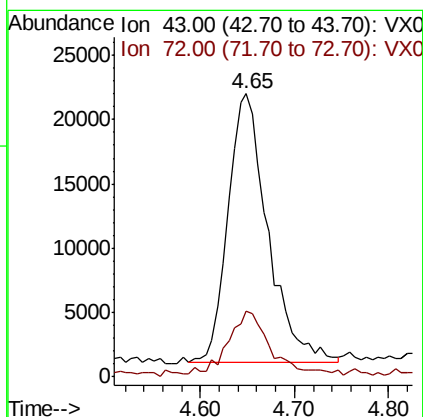
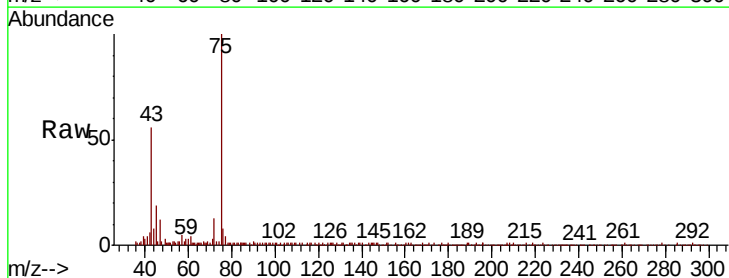
Instrument :
MSVOA_X
ClientSampleId :
TP-13-SA

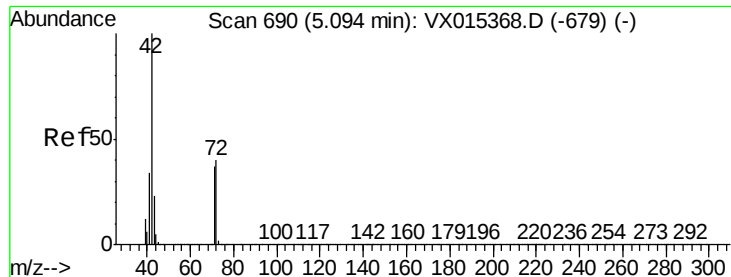
Tot Ion:	84	Resp:	27254
Ion	Ratio	Lower	Upper
84	100		
49	131.2	111.3	166.9
51	42.7	34.0	51.0
86	58.8	52.5	78.7



#25
2-Butanone
Concen: 5.594 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

Tgt Ion:	43	Resp:	61299
Ion	Ratio	Lower	Upper
43	100		
72	22.3	19.0	28.4





#29

Tetrahydrofuran

Concen: 0.299 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.03 min

Lab File: VX015410.D

Acq: 28 Mar 2020 03:32

Instrument :

MSVOA_X

ClientSampleId :

TP-13-SA

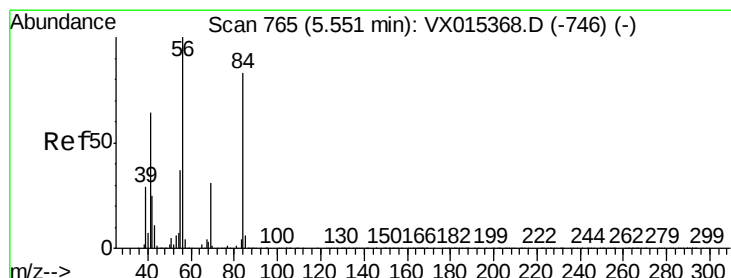
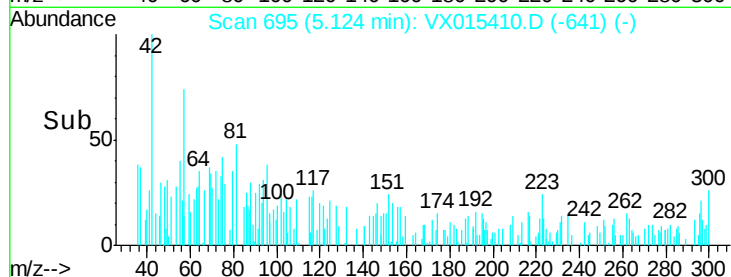
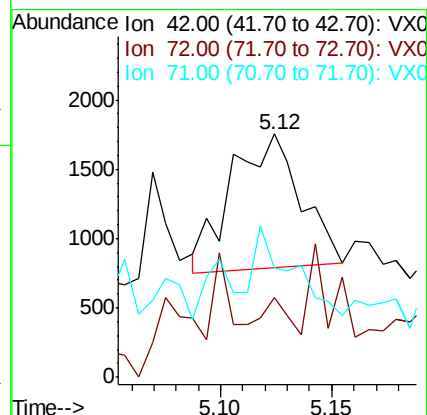
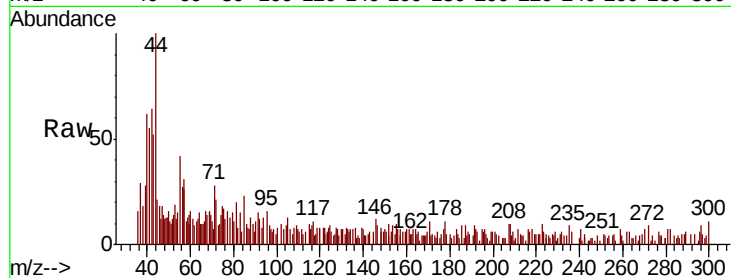
Tot Ion: 42 Resp: 2104

Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

71 33.7 29.6 44.4



#31

Cyclohexane

Concen: 1.196 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.08 min

Lab File: VX015410.D

Acq: 28 Mar 2020 03:32

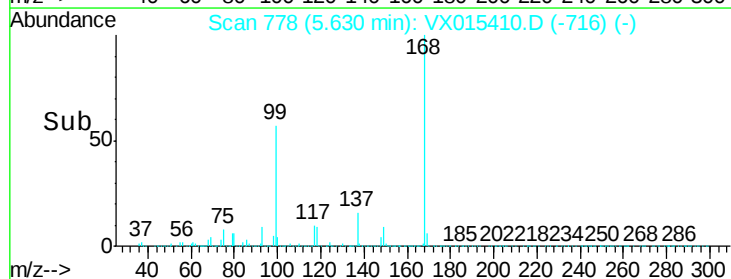
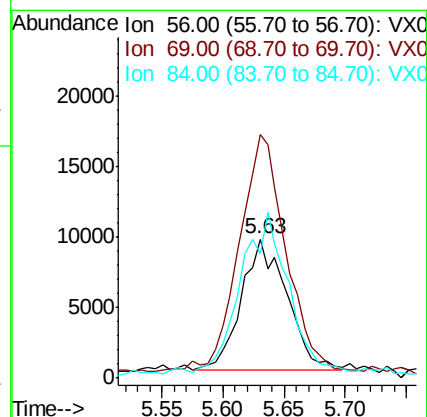
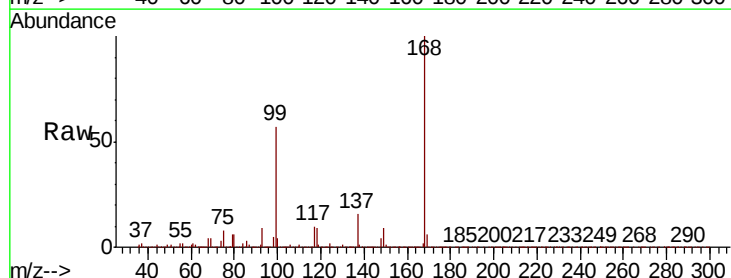
Tgt Ion: 56 Resp: 24018

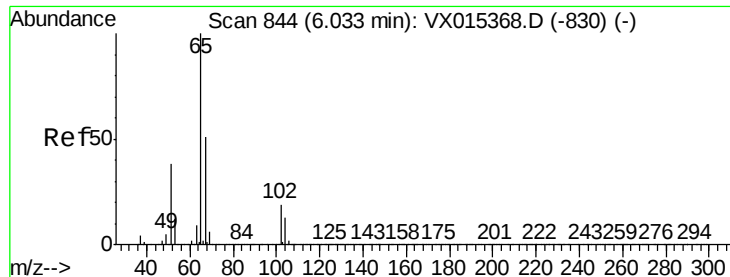
Ion Ratio Lower Upper

56 100

69 179.4 24.6 36.8#

84 90.9 66.1 99.1





#33

1,2-Dichloroethane-d4

Concen: 48.345 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015410.D

Acq: 28 Mar 2020 03:32

Instrument :

MSVOA_X

ClientSampleId :

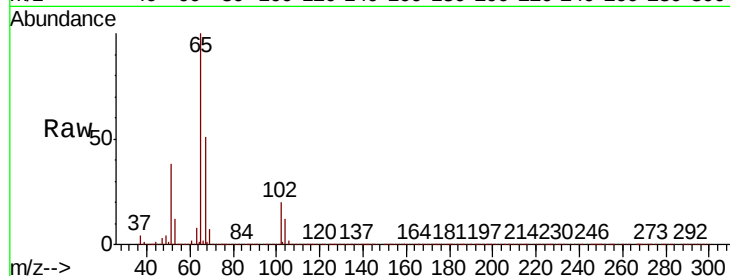
TP-13-SA

Tot Ion: 65 Resp: 766721

Ion Ratio Lower Upper

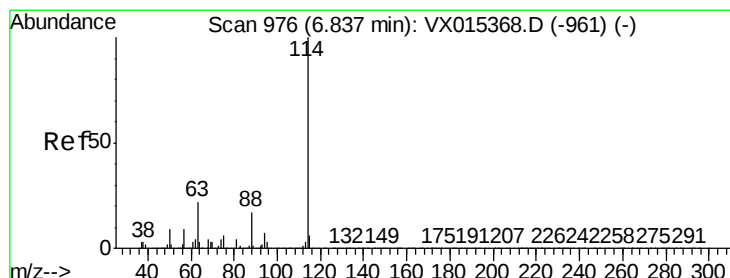
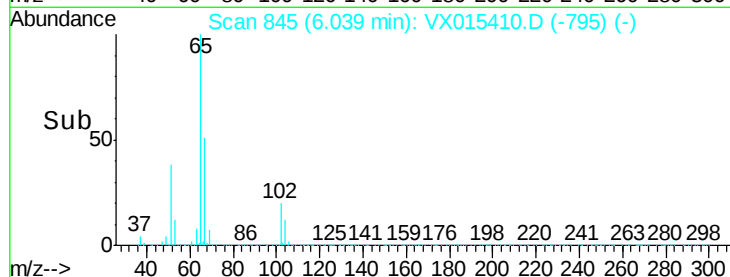
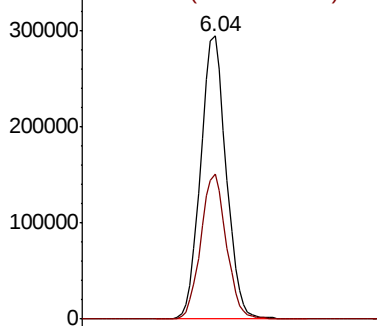
65 100

67 50.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015410.D

Acq: 28 Mar 2020 03:32

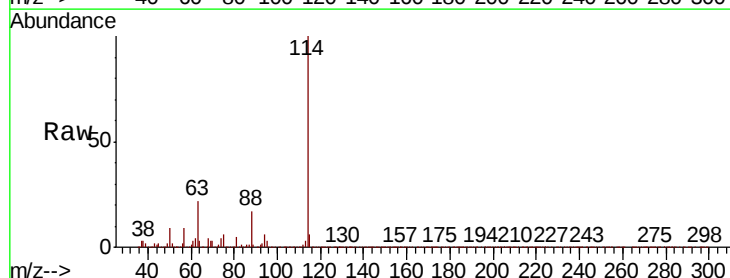
Tgt Ion: 114 Resp: 1855023

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

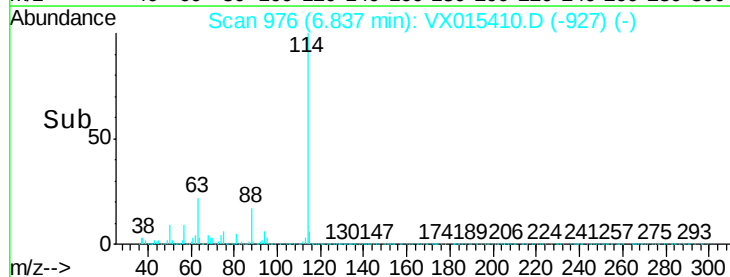
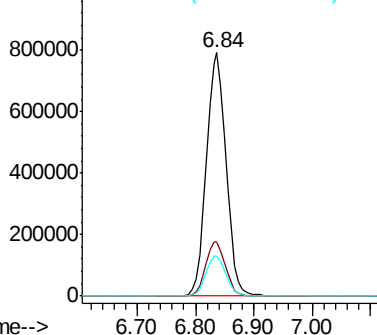
88 16.6 0.0 33.8

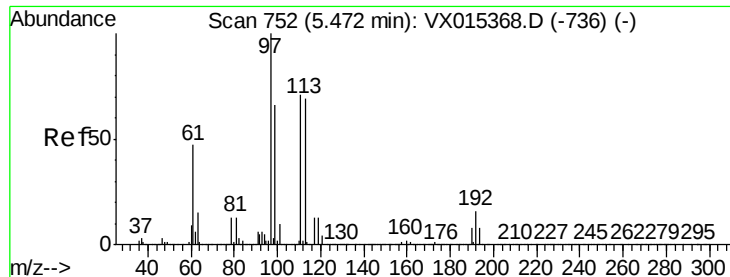


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

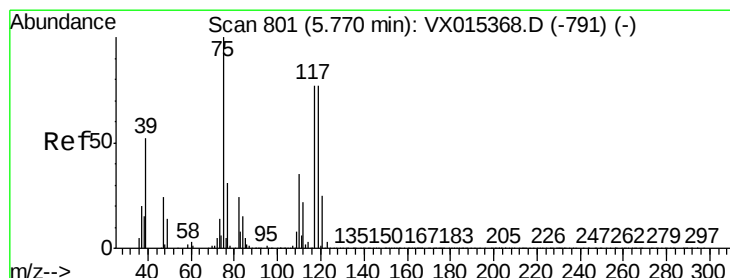
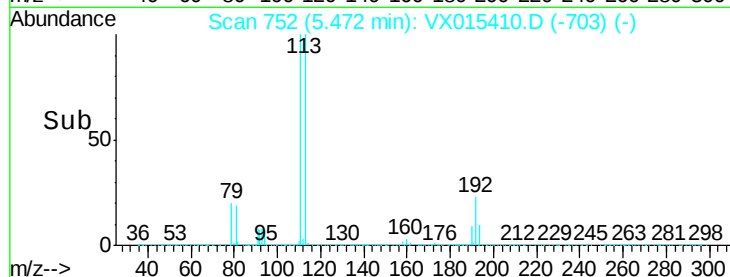
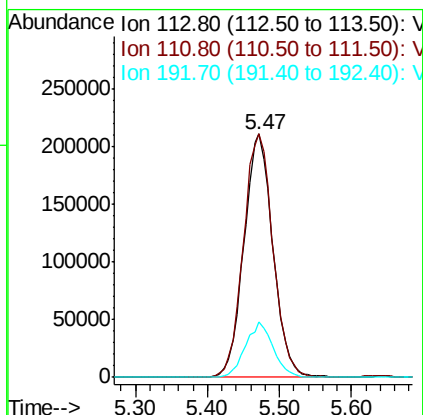
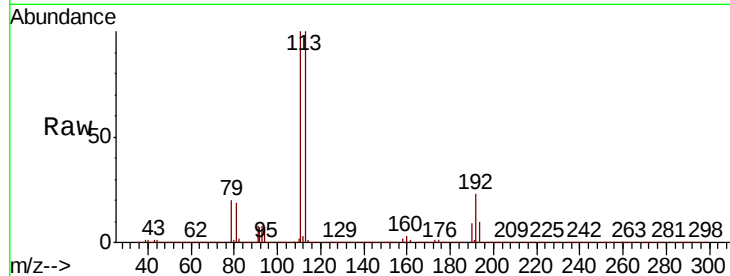




#35
 Dibromofluoromethane
 Concen: 49.767 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015410.D
 Acq: 28 Mar 2020 03:32

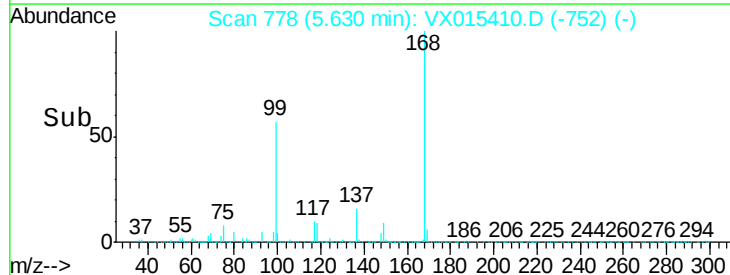
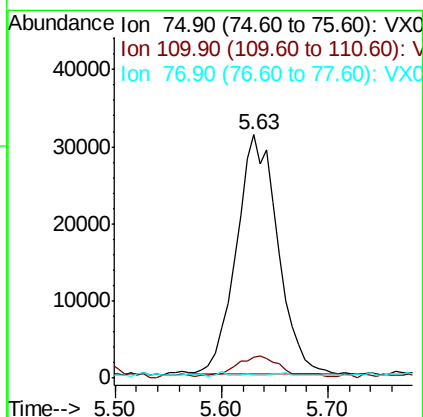
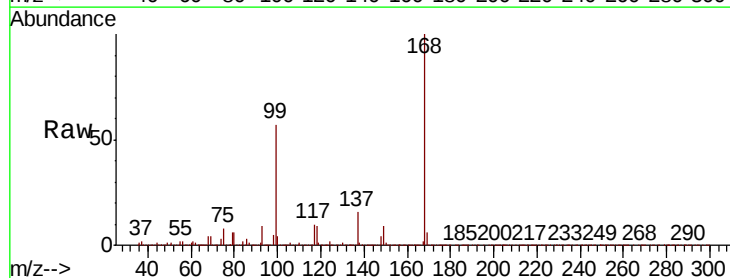
Instrument :
 MSVOA_X
 ClientSampled :
 TP-13-SA

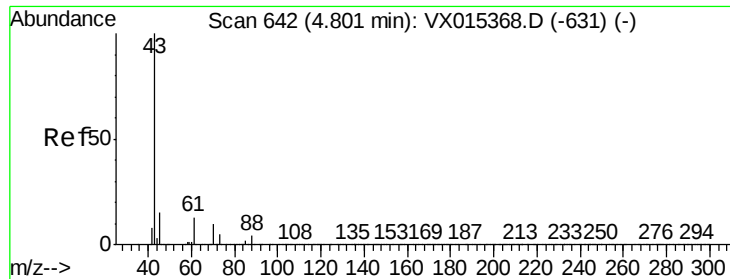
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.5	122.3
192	21.6	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.956 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015410.D
 Acq: 28 Mar 2020 03:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.1	51.3#
77	0.0	24.6	36.8#

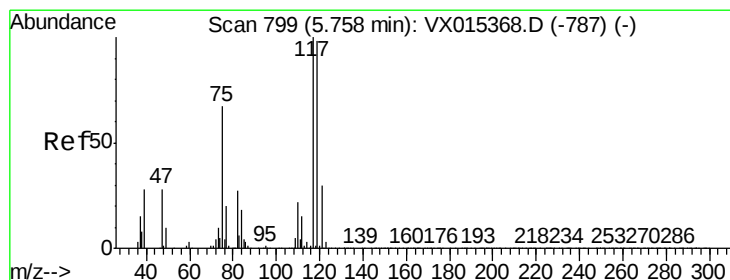
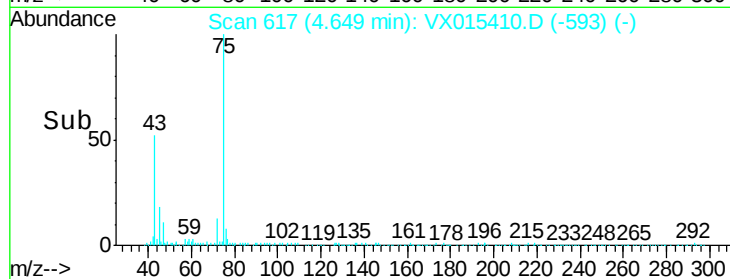
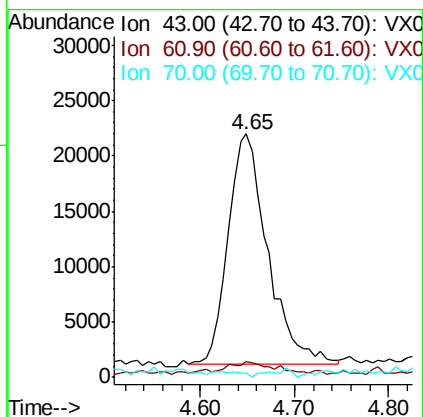
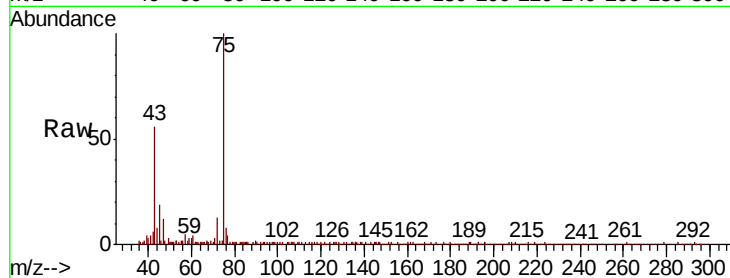




#37
Ethyl Acetate
Concen: 2.754 ug/l
RT: 4.65 min Scan# 617
Delta R.T. -0.15 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

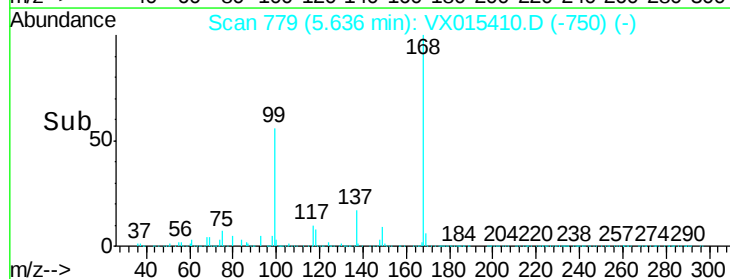
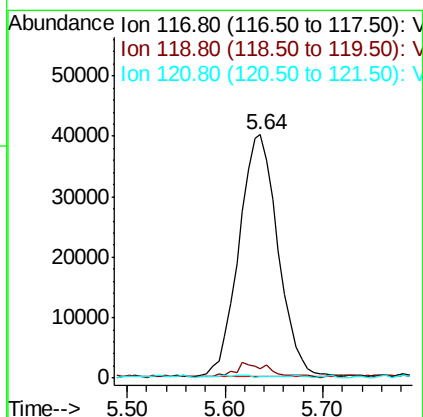
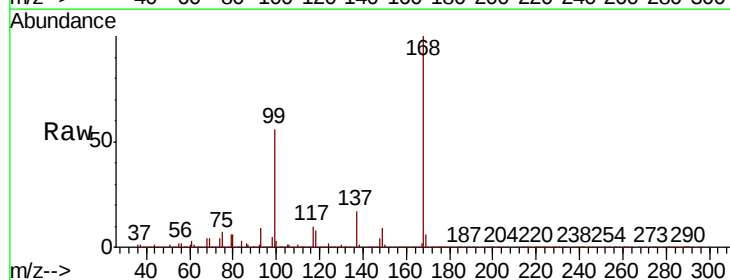
Instrument :
MSVOA_X
ClientSampleId :
TP-13-SA

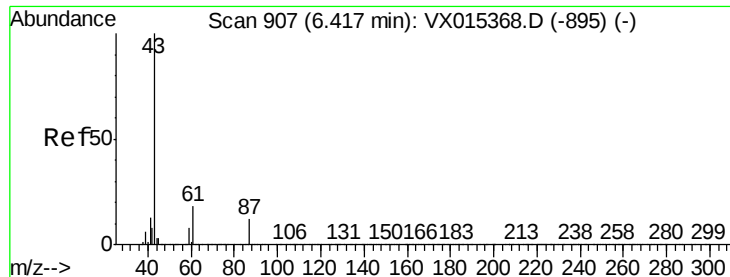
Tot Ion: 43 Resp: 61299
Ion Ratio Lower Upper
43 100
61 5.2 9.9 14.9#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 5.978 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

Tgt Ion: 117 Resp: 110673
Ion Ratio Lower Upper
117 100
119 3.3 78.0 117.0#
121 0.7 23.8 35.8#



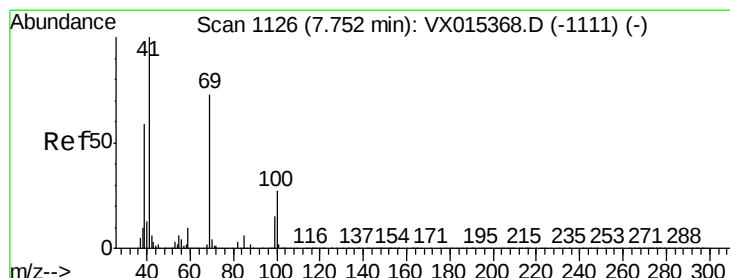
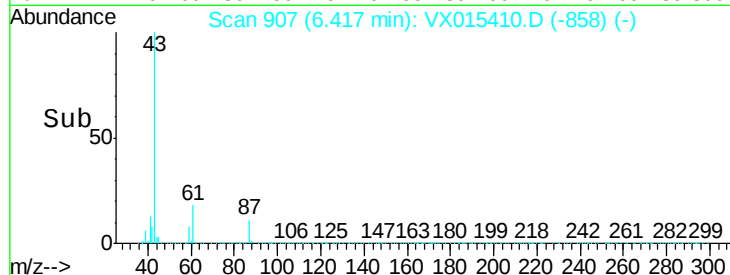
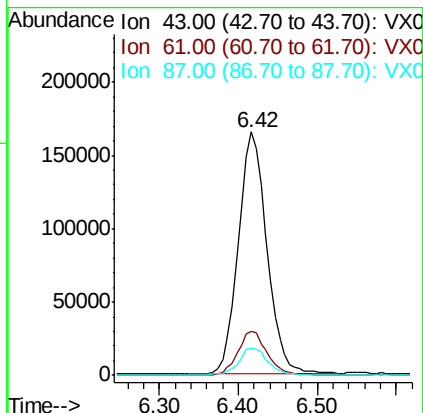
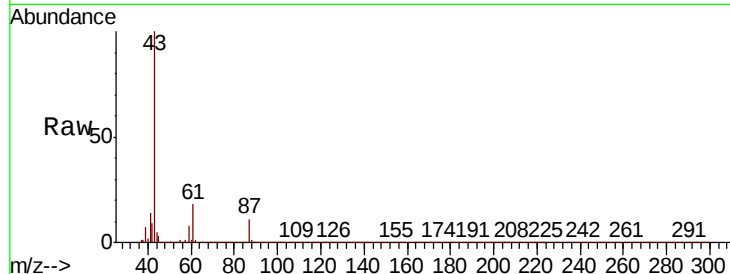


#43

Isopropyl Acetate
 Concen: 11.066 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: VX015410.D
 Acq: 28 Mar 2020 03:32

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-13-SA

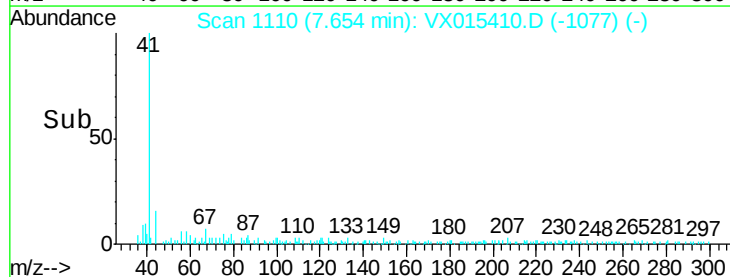
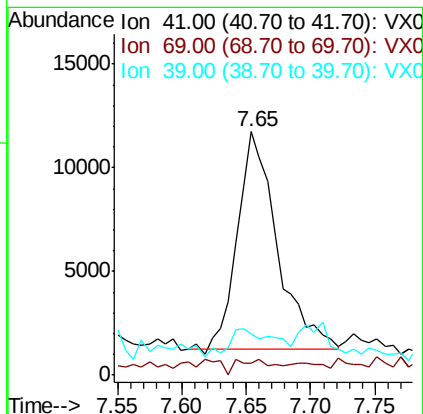
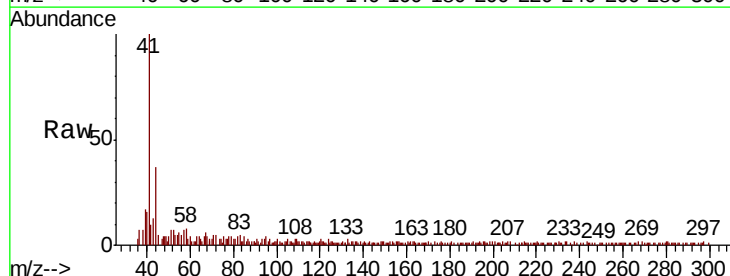
Tot Ion	43	Resp	415732
Ion Ratio	Lower	Upper	
43	100		
61	18.9	14.8	22.2
87	11.4	9.4	14.0

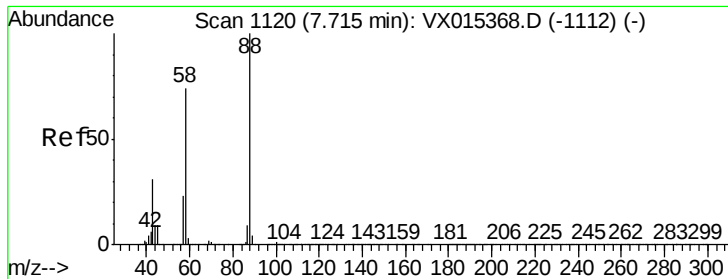


#48

Methyl methacrylate
 Concen: 1.184 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.10 min
 Lab File: VX015410.D
 Acq: 28 Mar 2020 03:32

Tgt Ion	41	Resp	22218
Ion Ratio	Lower	Upper	
41	100		
69	3.1	56.7	85.1#
39	0.0	46.5	69.7#





#49

1,4-Dioxane

Concen: 2.411 ug/l

RT: 7.69 min Scan# 1116

Delta R.T. -0.02 min

Lab File: VX015410.D

Acq: 28 Mar 2020 03:32

Instrument :

MSVOA_X

ClientSampled :

TP-13-SA

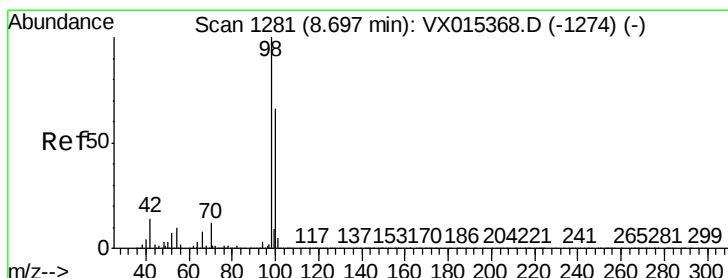
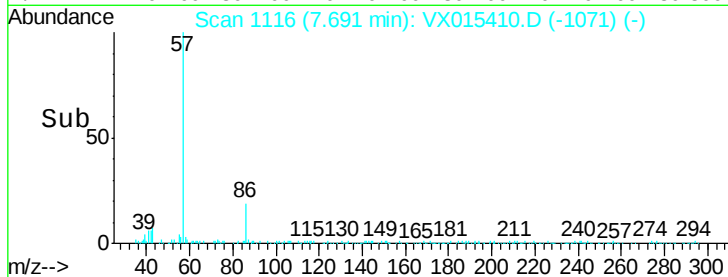
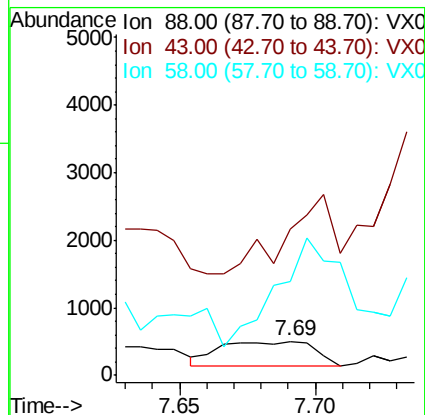
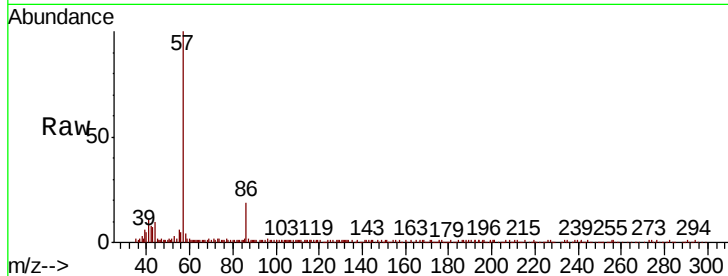
Tot Ion: 88 Resp: 844

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 356.3 60.6 90.8#



#50

Toluene-d8

Concen: 50.727 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015410.D

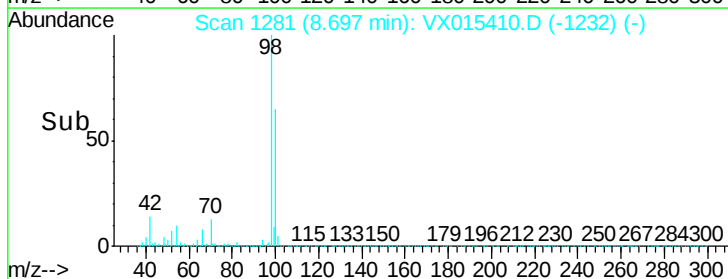
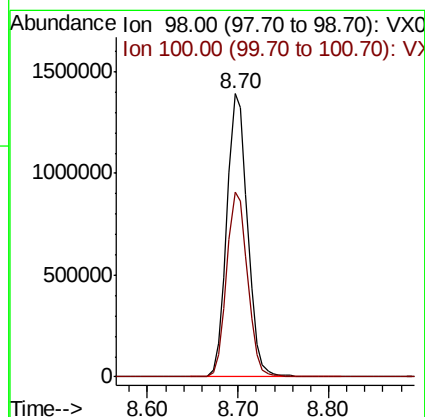
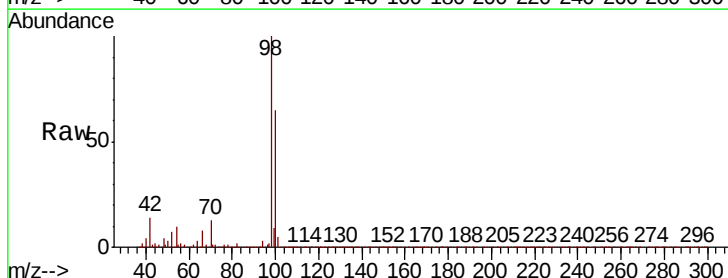
Acq: 28 Mar 2020 03:32

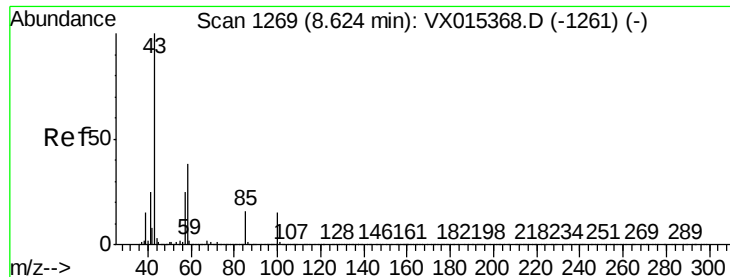
Tgt Ion: 98 Resp: 2214598

Ion Ratio Lower Upper

98 100

100 65.9 53.5 80.3

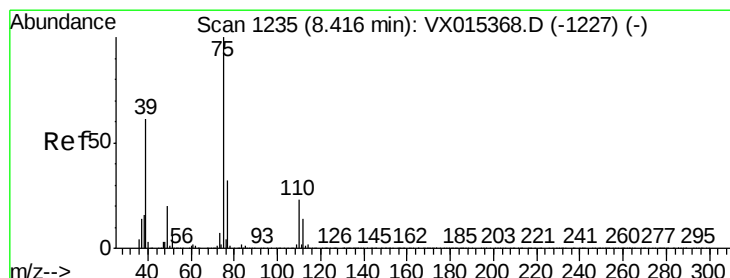
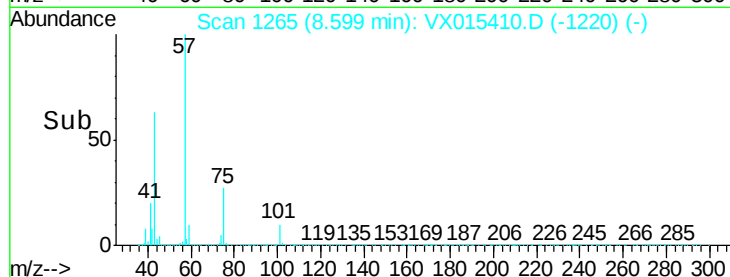
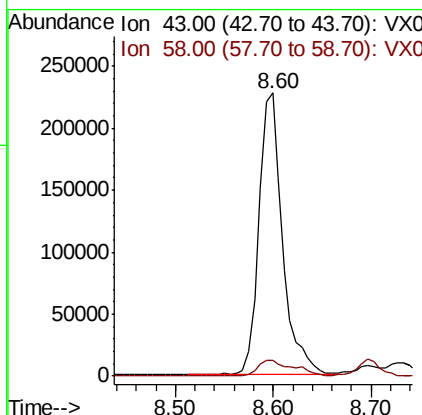
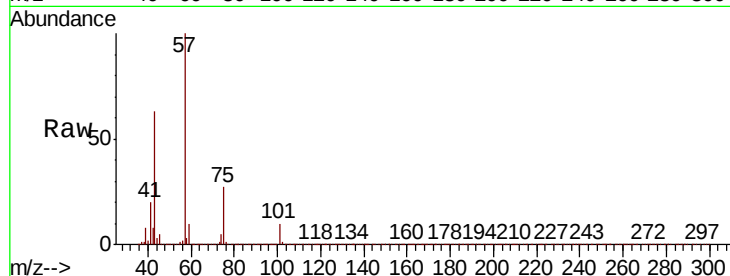




#51
4-Methyl-2-Pentanone
Concen: 18.038 ug/l
RT: 8.60 min Scan# 1265
Delta R.T. -0.02 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

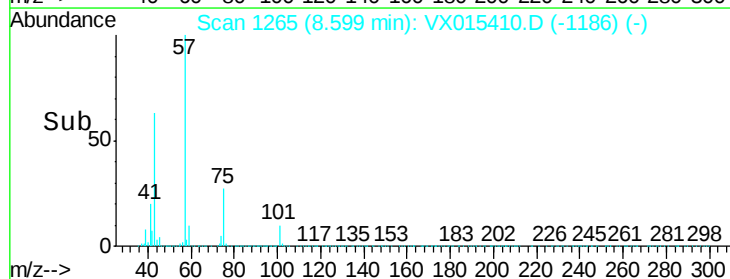
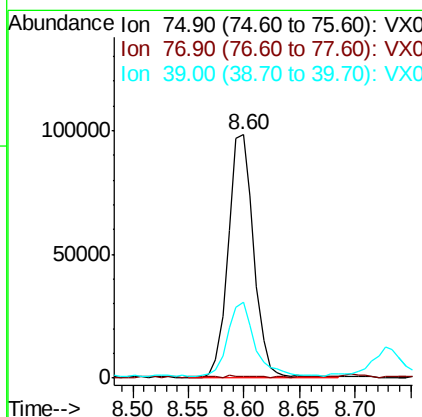
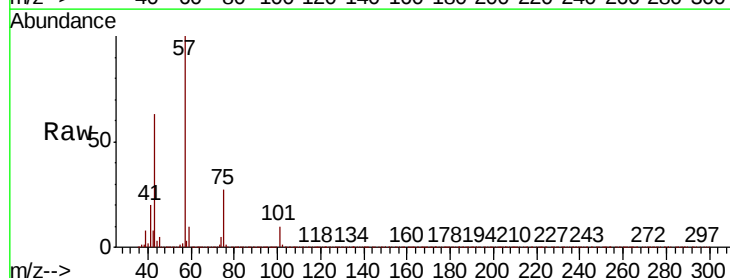
Instrument :
MSVOA_X
ClientSampled :
TP-13-SA

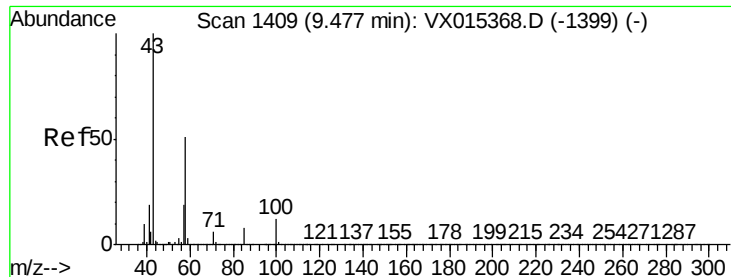
Tot Ion: 43 Resp: 384048
Ion Ratio Lower Upper
43 100
58 8.1 29.7 44.5#



#54
cis-1,3-Dichloropropene
Concen: 6.765 ug/l
RT: 8.60 min Scan# 1265
Delta R.T. 0.18 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

Tgt Ion: 75 Resp: 154721
Ion Ratio Lower Upper
75 100
77 0.2 25.8 38.6#
39 30.4 49.0 73.4#

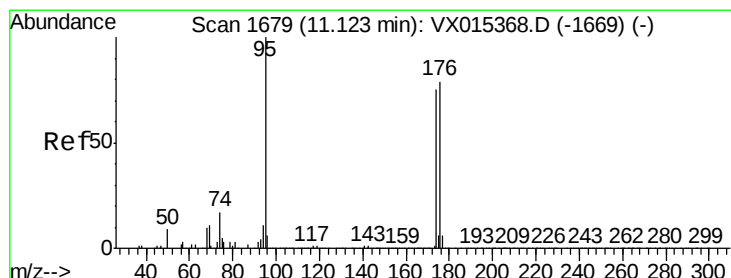
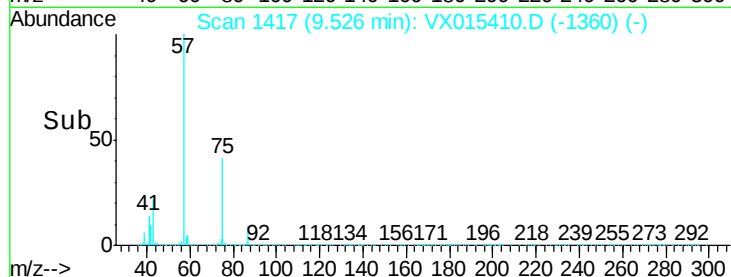
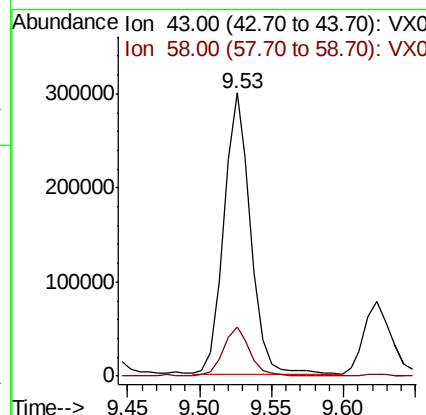
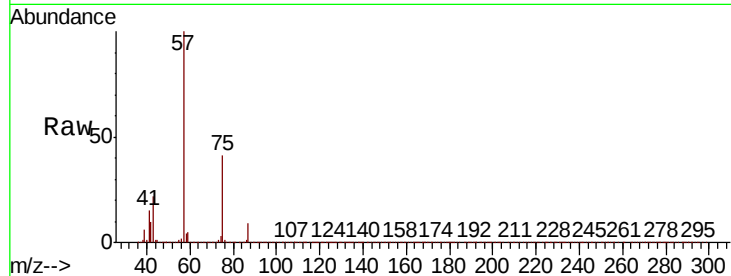




#59
2-Hexanone
Concen: 24.116 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

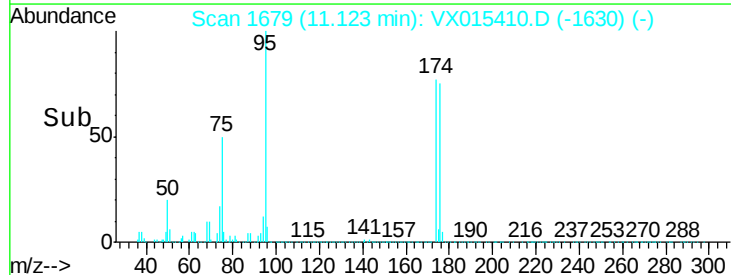
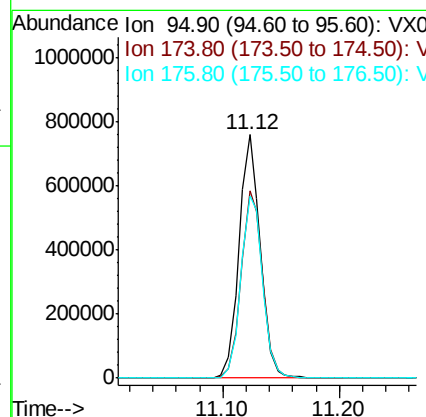
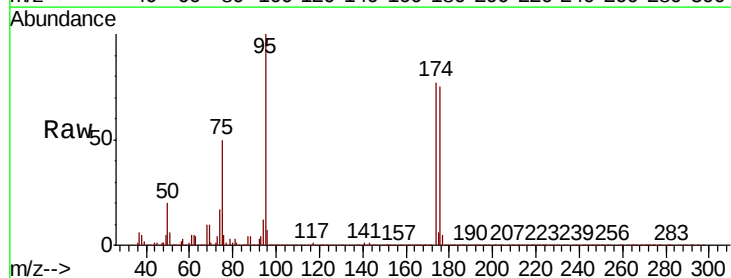
Instrument :
MSVOA_X
ClientSampleId :
TP-13-SA

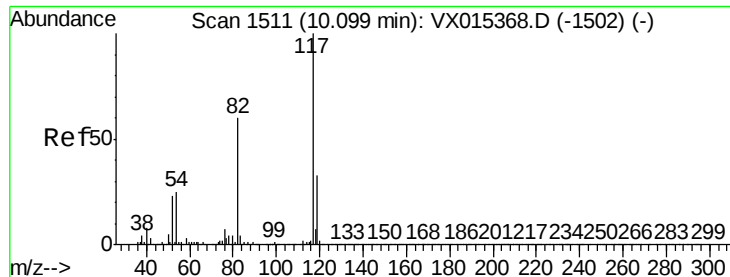
Tot Ion: 43 Resp: 387653
Ion Ratio Lower Upper
43 100
58 17.3 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 54.166 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

Tgt Ion: 95 Resp: 961030
Ion Ratio Lower Upper
95 100
174 78.1 0.0 158.6
176 76.8 0.0 159.0

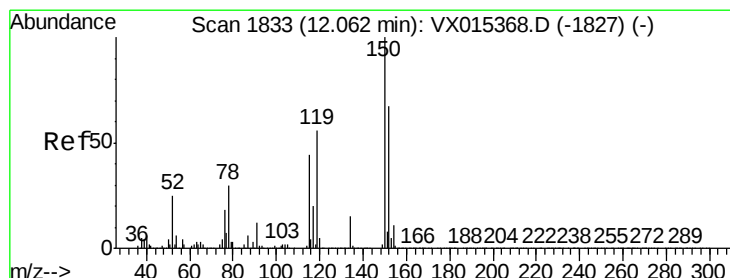
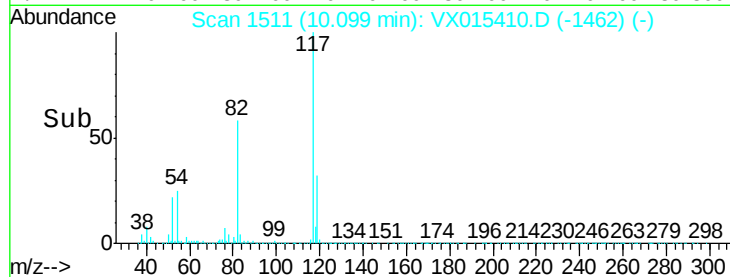
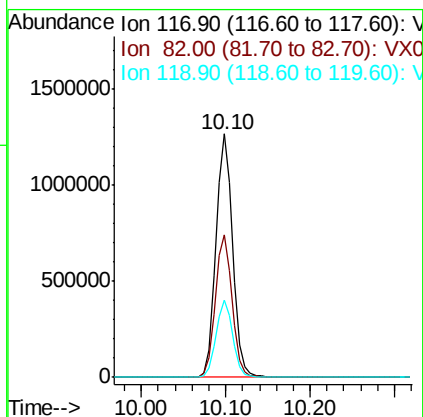
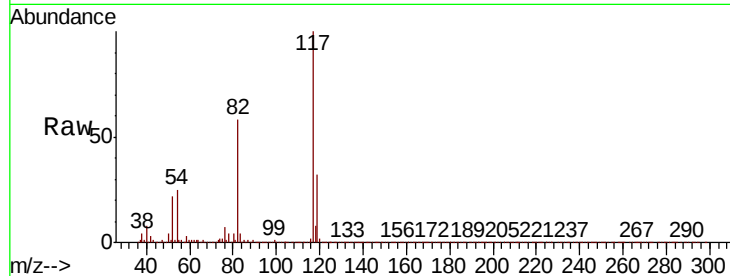




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

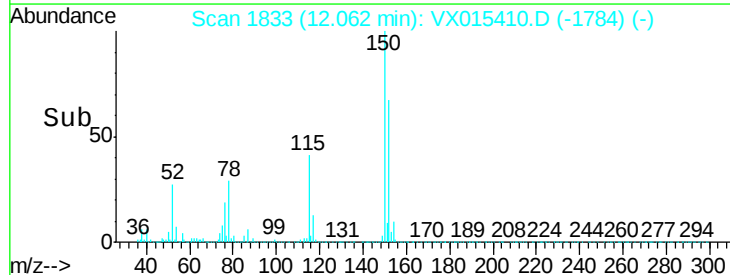
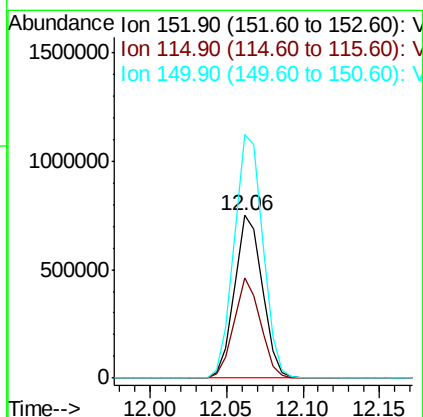
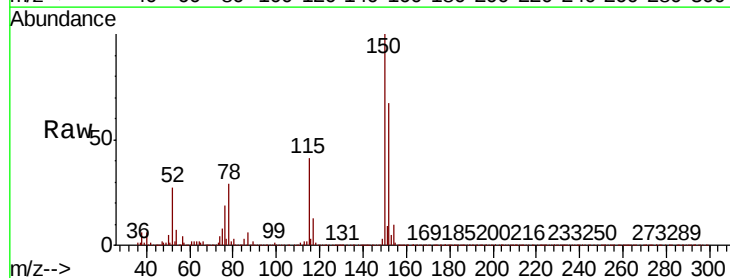
Instrument :
MSVOA_X
ClientSampleId :
TP-13-SA

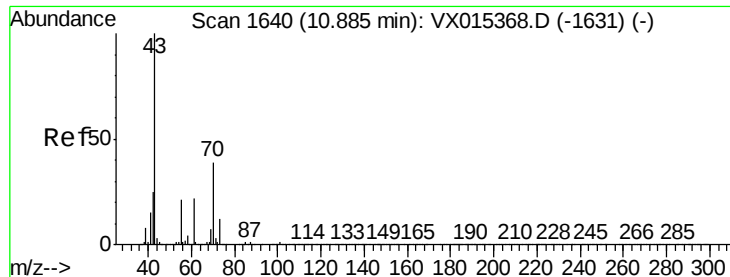
Tot Ion:117 Resp: 1742616
Ion Ratio Lower Upper
117 100
82 58.4 47.8 71.8
119 31.7 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015410.D
Acq: 28 Mar 2020 03:32

Tgt Ion:152 Resp: 948672
Ion Ratio Lower Upper
152 100
115 58.7 39.0 116.9
150 154.2 0.0 340.8





#74

N-amvl acetate

Concen: 0.535 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015410.D

Acq: 28 Mar 2020 03:32

Instrument :

MSVOA_X

ClientSampleId :

TP-13-SA

Tot Ion: 43 Resp: 18496

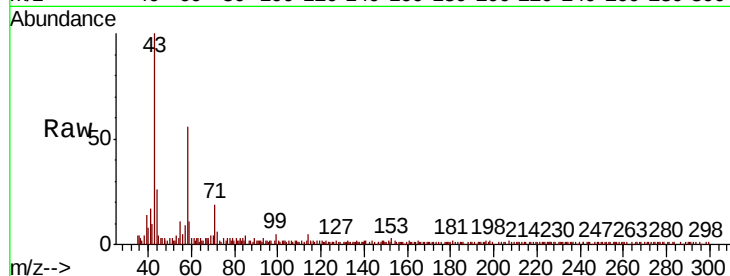
Ion Ratio Lower Upper

43 100

70 3.9 30.2 45.4#

55 5.5 16.8 25.2#

61 0.0 18.2 27.2#

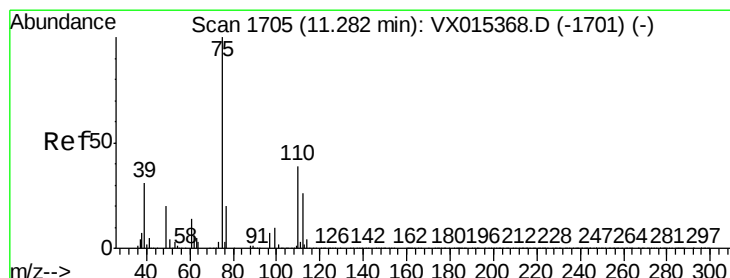
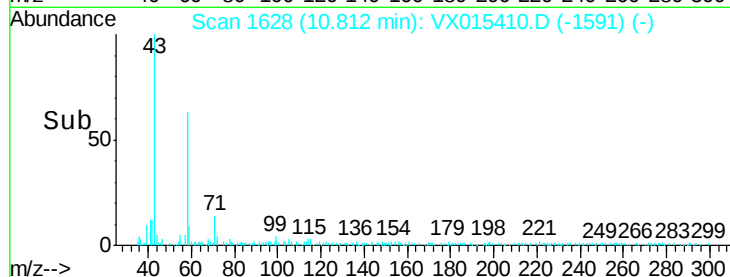
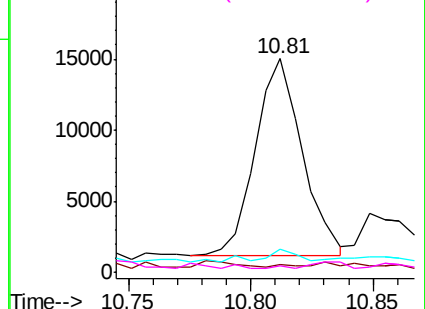


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.003 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015410.D

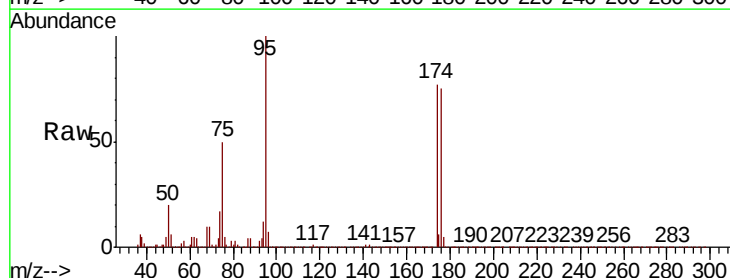
Acq: 28 Mar 2020 03:32

Tgt Ion: 75 Resp: 487775

Ion Ratio Lower Upper

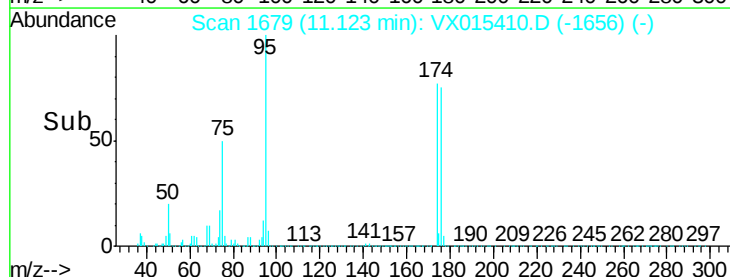
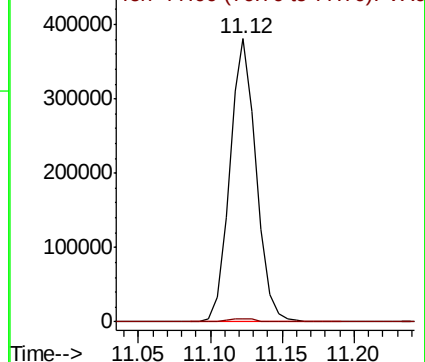
75 100

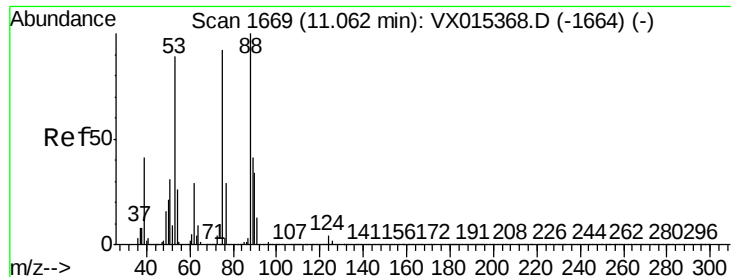
77 1.1 21.2 63.6#



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: 59.994 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015410.D

Acq: 28 Mar 2020 03:32

Instrument :

MSVOA_X

ClientSampleId :

TP-13-SA

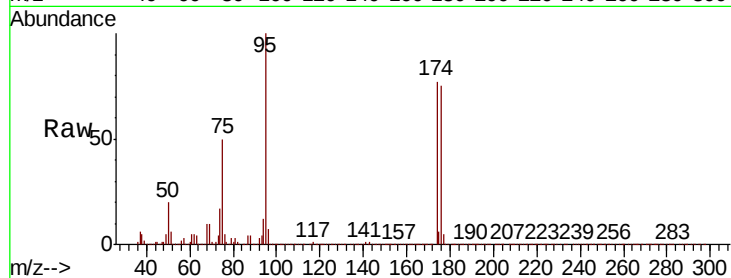
Tot Ion: 75 Resp: 487775

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 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

