

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040820\
 Data File : VX015561.D
 Acq On : 08 Apr 2020 12:15
 Operator : JC/SP
 Sample : L2190-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB1-200604

Quant Time: Apr 09 06:18:29 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	1074527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1673534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1634843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	862654	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	699416	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
35) Dibromofluoromethane	5.47	113	528219	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
50) Toluene-d8	8.70	98	2020133	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.12	95	859414	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	

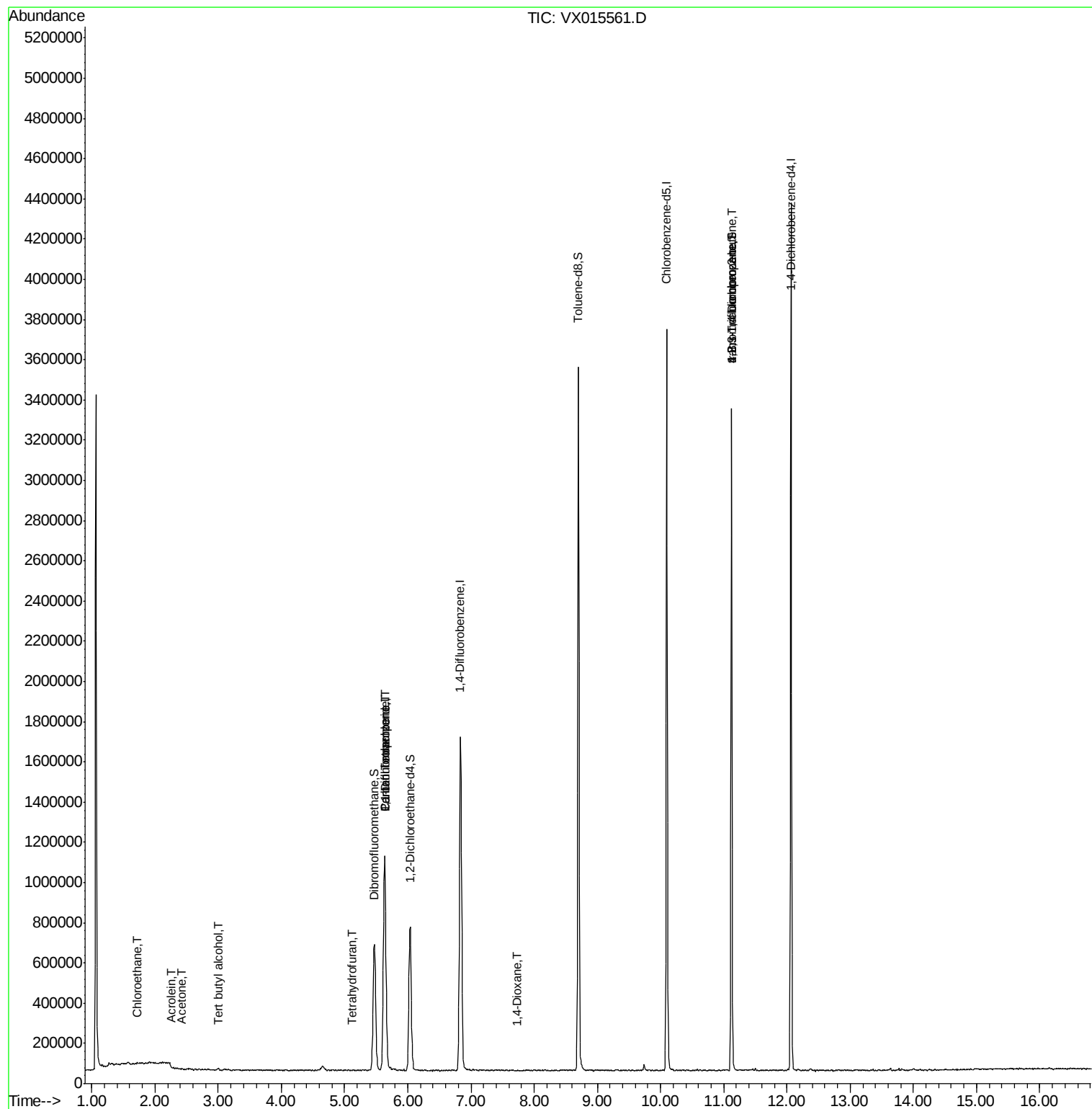
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	651	Below Cal	#	34
6) Chloroethane	1.72	64	1708	0.249	ug/l #	47
11) Tert butyl alcohol	2.99	59	5646	1.556	ug/l #	86
13) Acrolein	2.27	56	2814	1.362	ug/l #	58
16) Acetone	2.42	43	1911	0.294	ug/l #	47
29) Tetrahydrofuran	5.12	42	1433	0.213	ug/l #	47
36) 1,1-Dichloropropene	5.63	75	78953	5.120	ug/l #	52
38) Carbon Tetrachloride	5.63	117	101141	6.056	ug/l #	14
49) 1,4-Dioxane	7.73	88	284	0.899	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	446600	25.175	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	446600	60.406	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: VX015561.D

Acq: 08 Apr 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

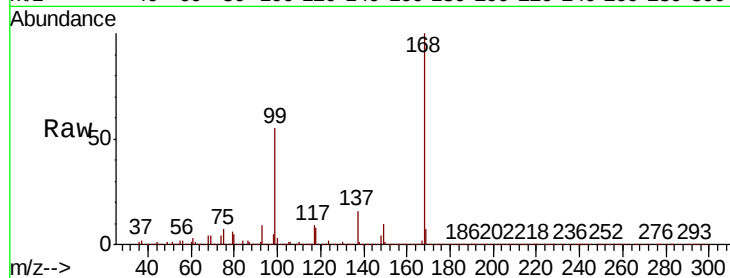
Z3-TB1-200604

Tot Ion:168 Resp: 1074527

Ion Ratio Lower Upper

168 100

99 55.4 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

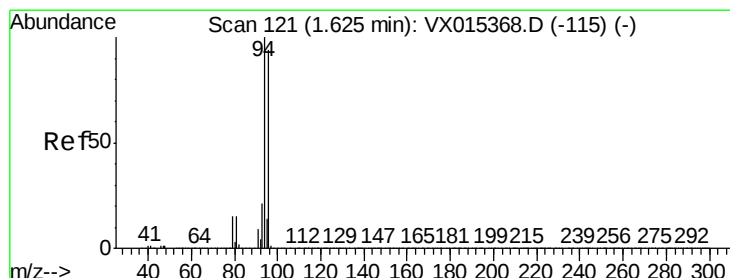
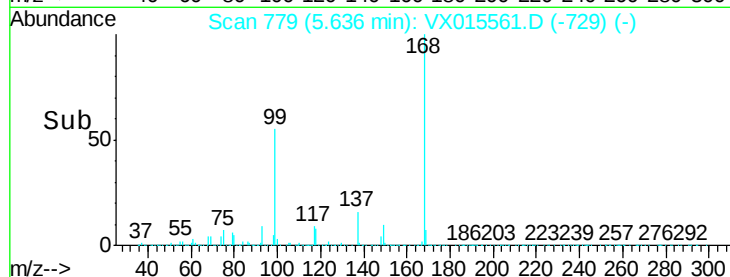
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 126

Delta R.T. 0.03 min

Lab File: VX015561.D

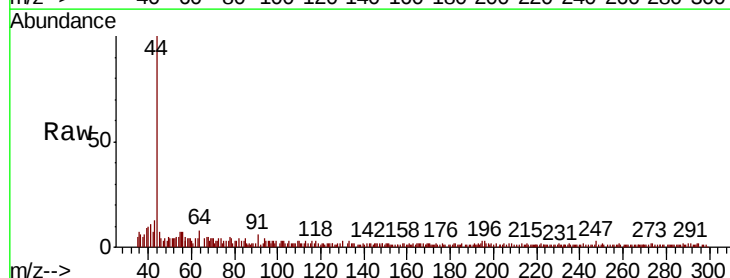
Acq: 08 Apr 2020 12:15

Tgt Ion: 94 Resp: 651

Ion Ratio Lower Upper

94 100

96 29.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

1000

800

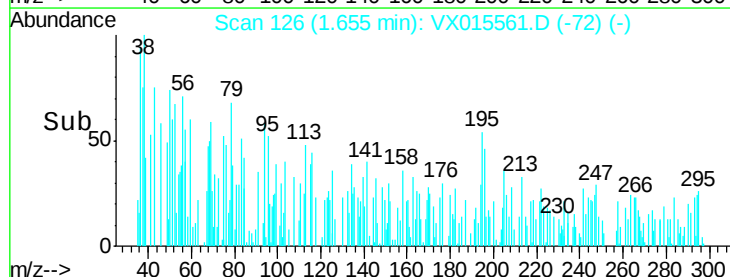
600

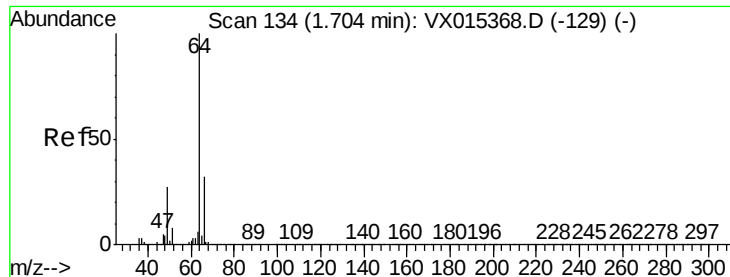
400

200

0

Time-->





#6

Chloroethane

Concen: 0.249 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX015561.D

Acq: 08 Apr 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

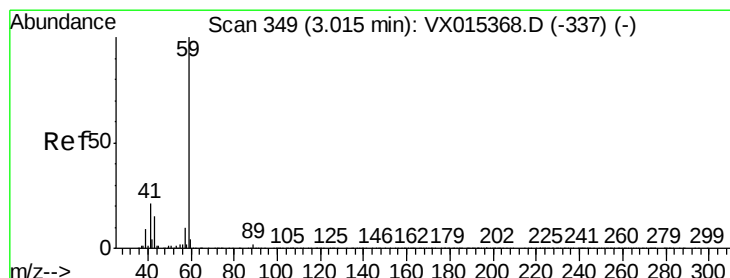
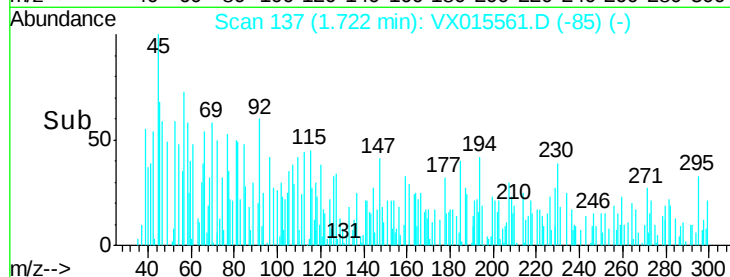
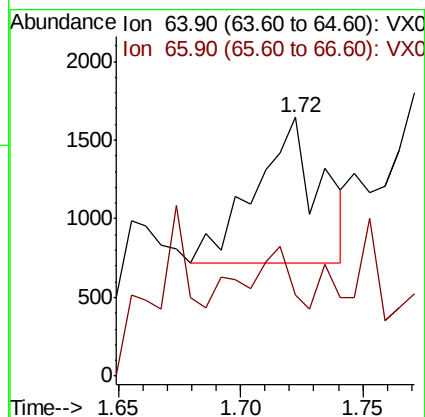
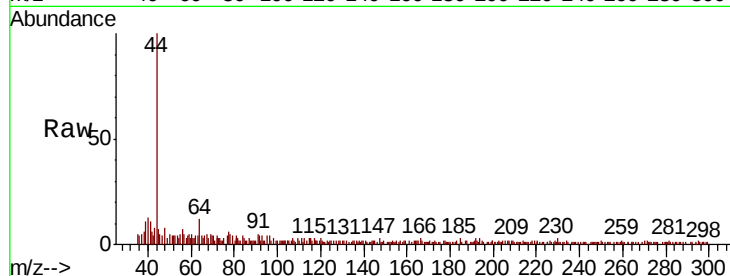
Z3-TB1-200604

Tot Ion: 64 Resp: 1708

Ion Ratio Lower Upper

64 100

66 2.3 25.4 38.2#



#11

Tert butyl alcohol

Concen: 1.556 ug/l

RT: 2.99 min Scan# 345

Delta R.T. -0.02 min

Lab File: VX015561.D

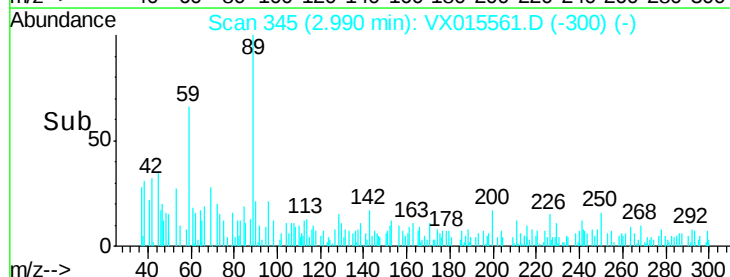
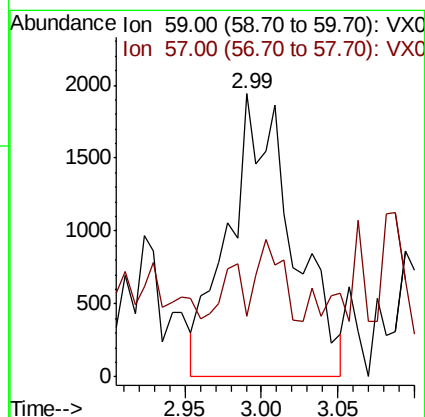
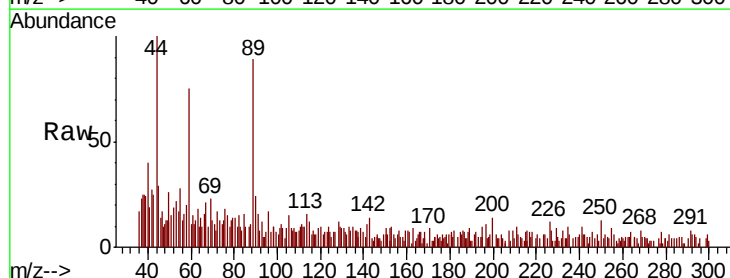
Acq: 08 Apr 2020 12:15

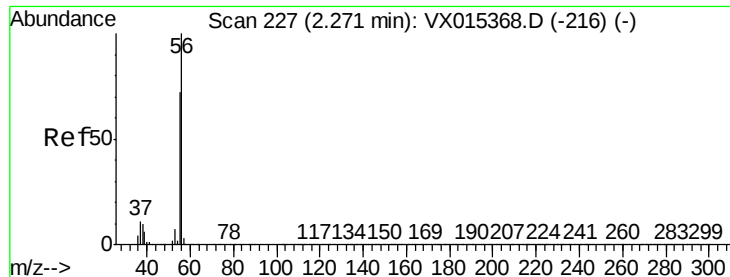
Tgt Ion: 59 Resp: 5646

Ion Ratio Lower Upper

59 100

57 5.0 8.1 12.1#

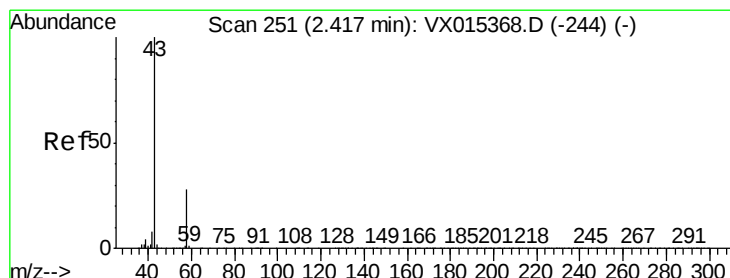
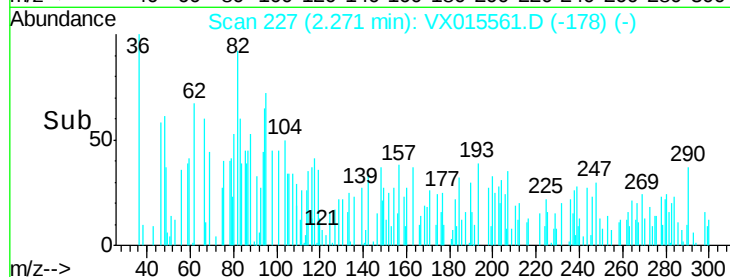
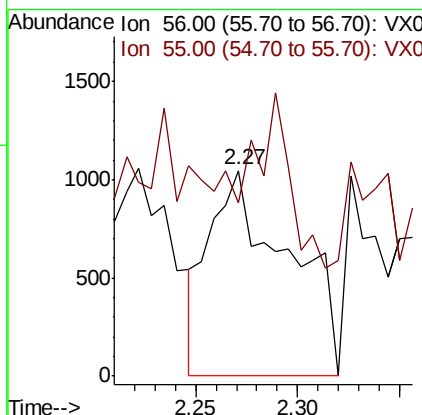
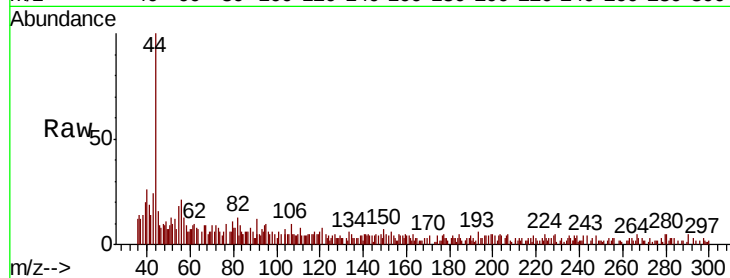




#13
Acrolein
Concen: 1.362 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.00 min
Lab File: VX015561.D
Acq: 08 Apr 2020 12:15

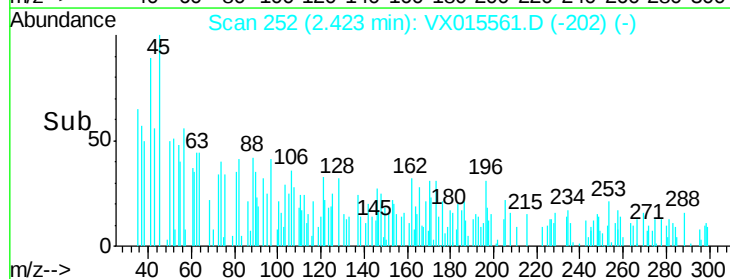
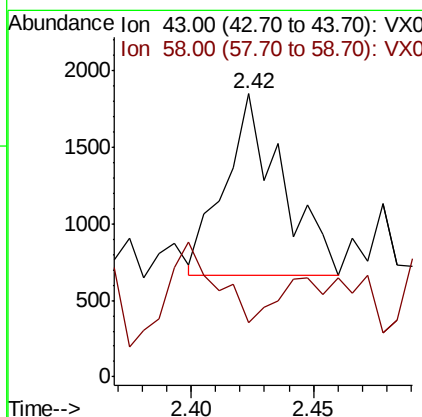
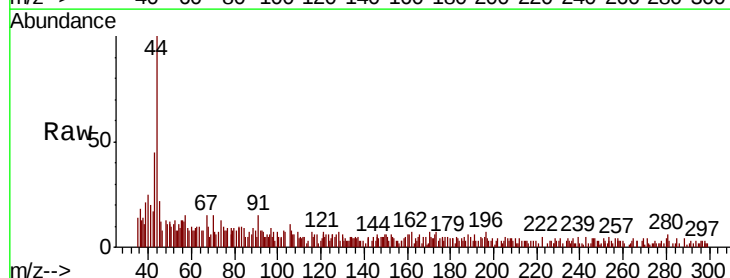
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB1-200604

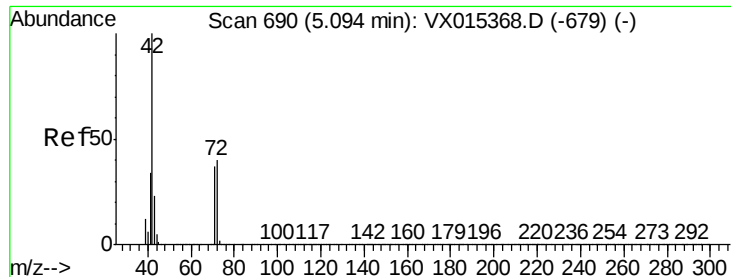
Tot Ion: 56 Resp: 2814
Ion Ratio Lower Upper
56 100
55 36.5 57.0 85.4#



#16
Acetone
Concen: 0.294 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015561.D
Acq: 08 Apr 2020 12:15

Tgt Ion: 43 Resp: 1911
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#





#29

Tetrahydrofuran

Concen: 0.213 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.03 min

Lab File: VX015561.D

Acq: 08 Apr 2020 12:15

Instrument :

MSVOA_X

ClientSampled :

Z3-TB1-200604

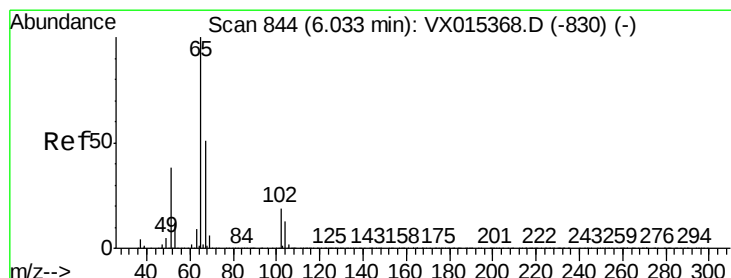
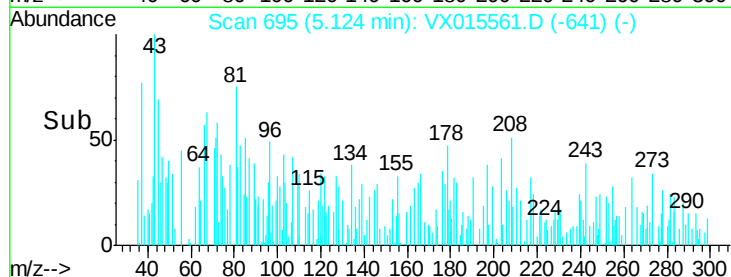
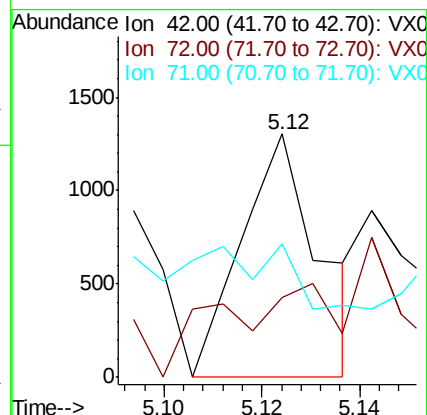
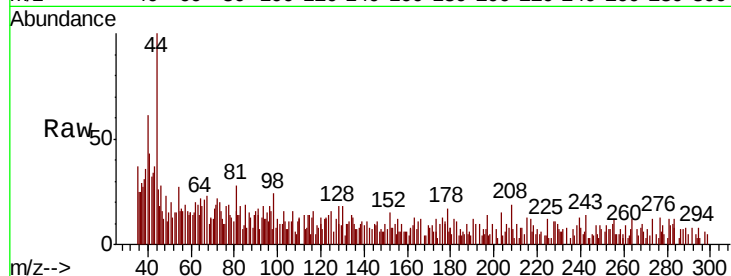
Tot Ion: 42 Resp: 1433

Ion Ratio Lower Upper

42 100

72 12.1 31.7 47.5#

71 0.0 29.6 44.4#



#33

1,2-Dichloroethane-d4

Concen: 46.151 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015561.D

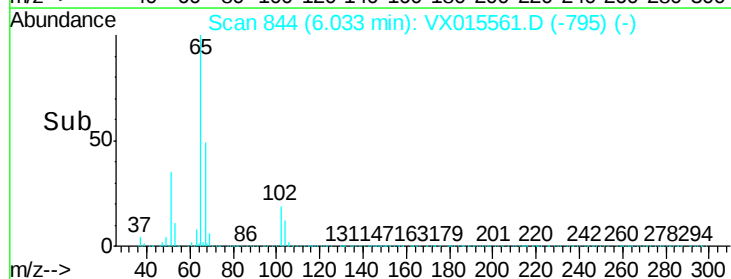
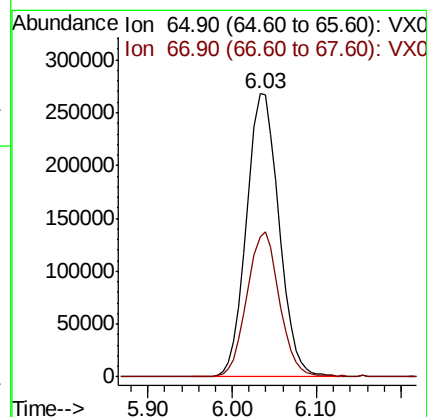
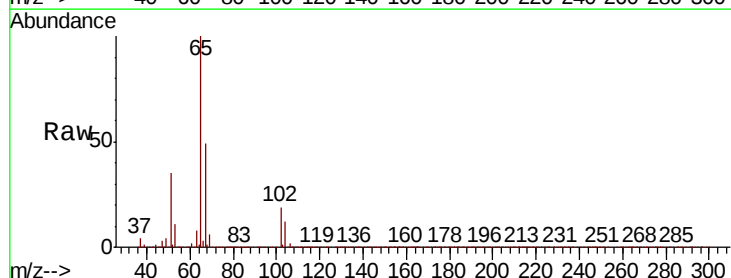
Acq: 08 Apr 2020 12:15

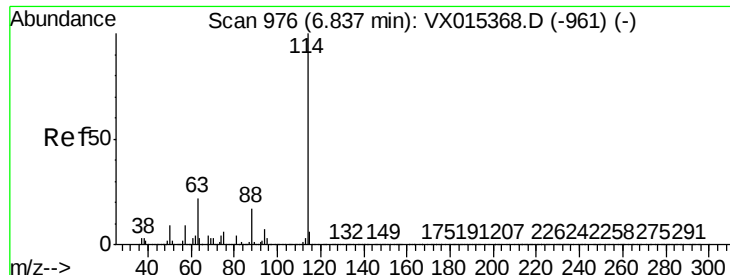
Tgt Ion: 65 Resp: 699416

Ion Ratio Lower Upper

65 100

67 51.0 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: VX015561.D

Acq: 08 Apr 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB1-200604

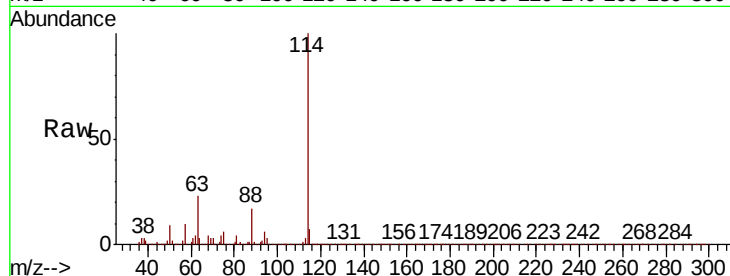
Tot Ion:114 Resp: 1673534

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.2

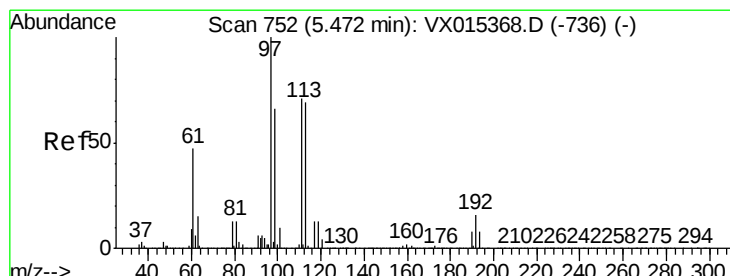
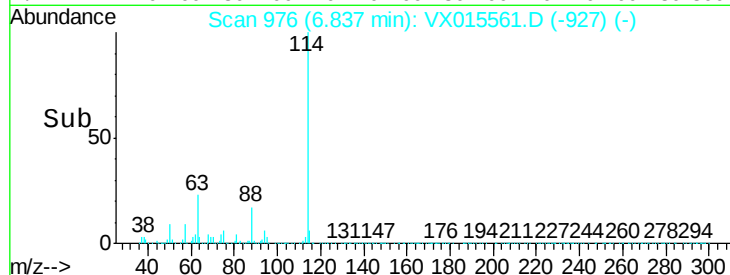
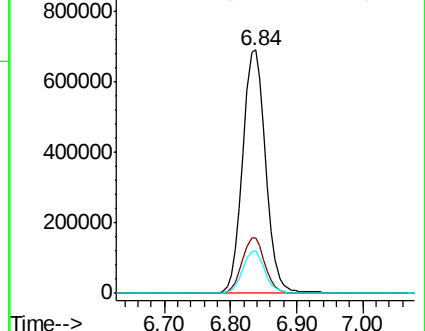
88 17.3 0.0 33.8



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: 49.377 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015561.D

Acq: 08 Apr 2020 12:15

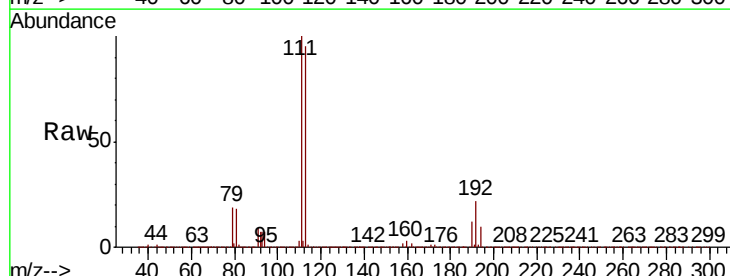
Tgt Ion:113 Resp: 528219

Ion Ratio Lower Upper

113 100

111 103.5 81.5 122.3

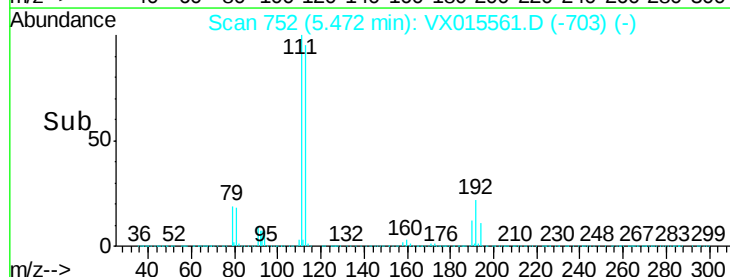
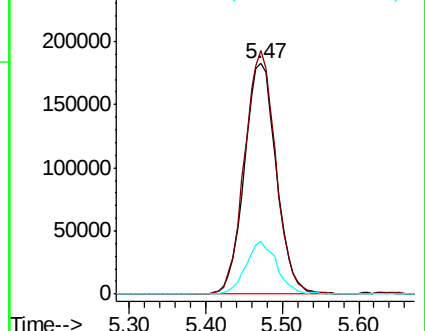
192 22.4 17.8 26.6

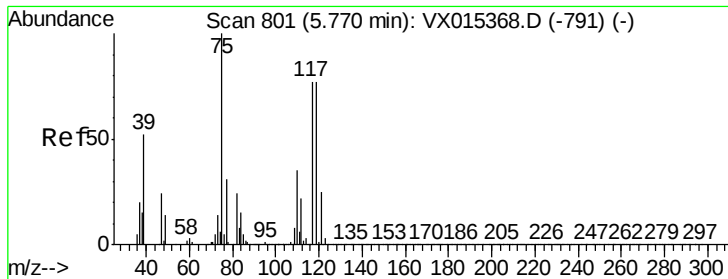


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

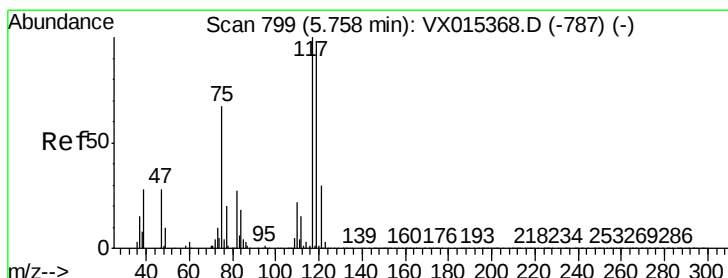
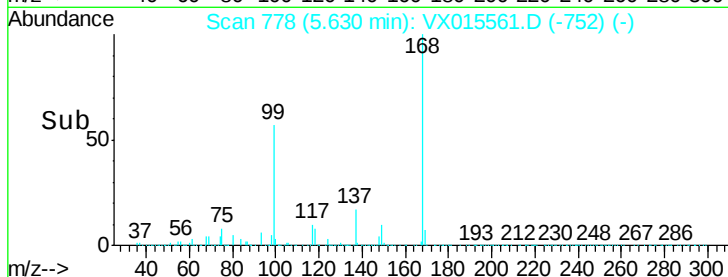
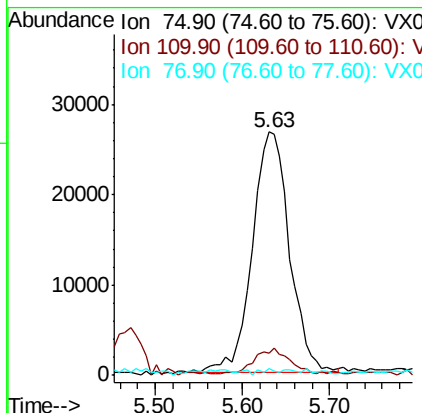
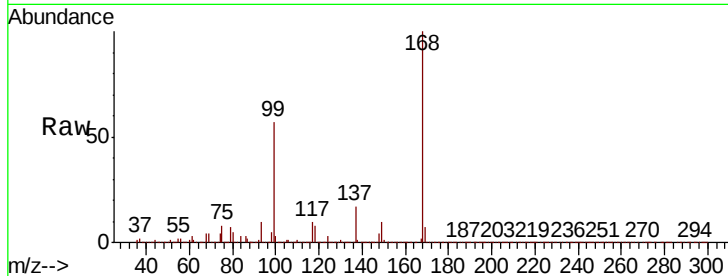




#36
 1,1-Dichloropropene
 Concen: 5.120 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015561.D
 Acq: 08 Apr 2020 12:15

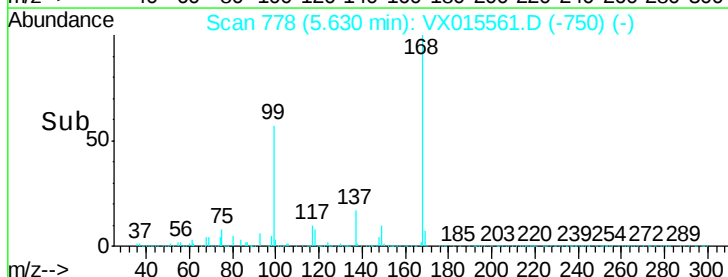
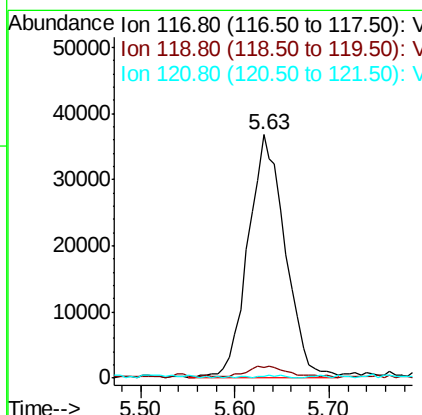
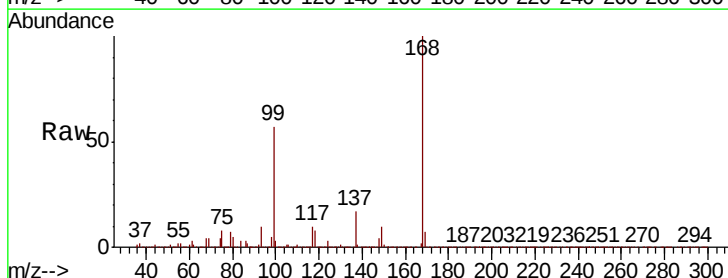
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB1-200604

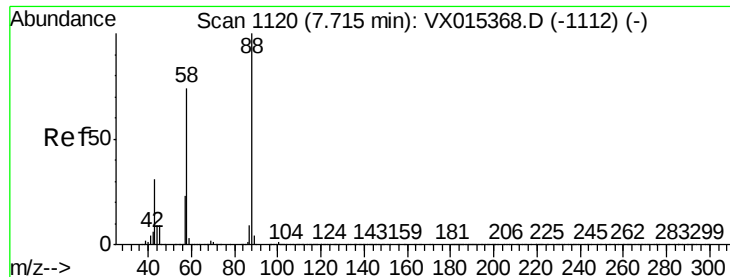
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.1	51.3#
77	1.2	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.056 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015561.D
 Acq: 08 Apr 2020 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	78.0	117.0#
121	0.0	23.8	35.8#





#49

1,4-Dioxane

Concen: 0.899 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VX015561.D

Acq: 08 Apr 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB1-200604

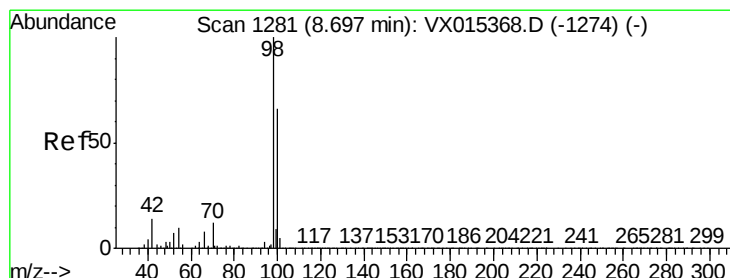
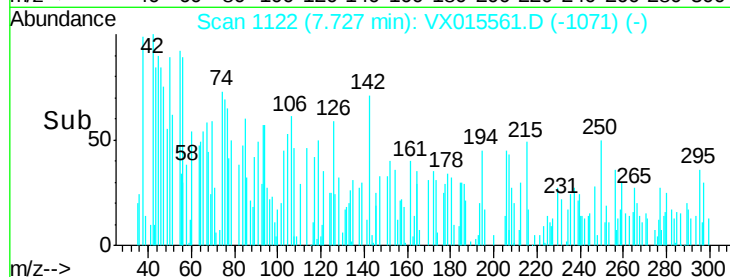
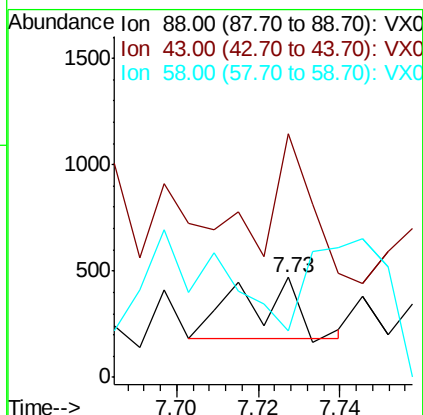
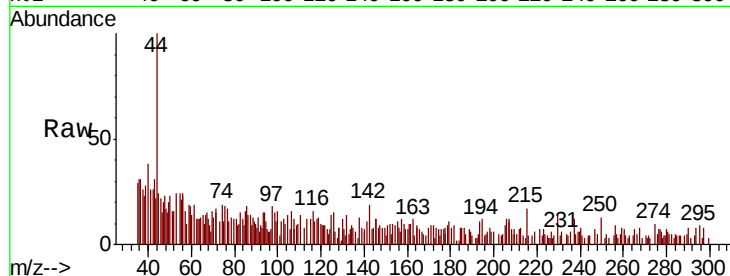
Tot Ion: 88 Resp: 284

Ion Ratio Lower Upper

88 100

43 145.8 30.1 45.1#

58 0.0 60.6 90.8#



#50

Toluene-d8

Concen: 51.291 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015561.D

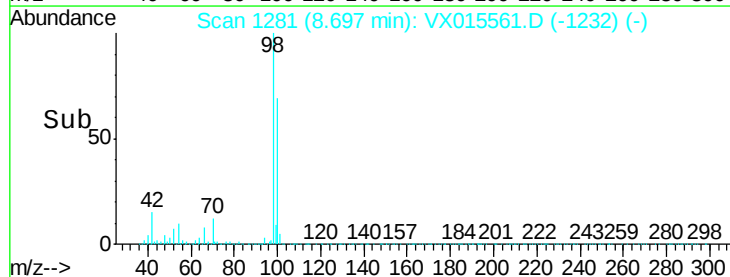
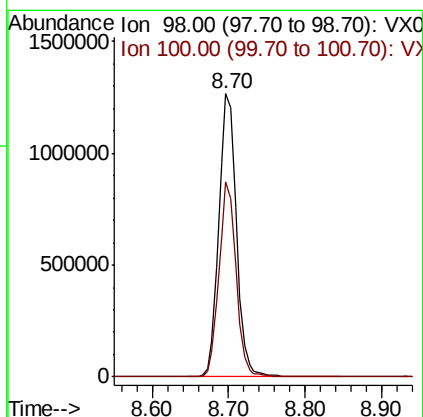
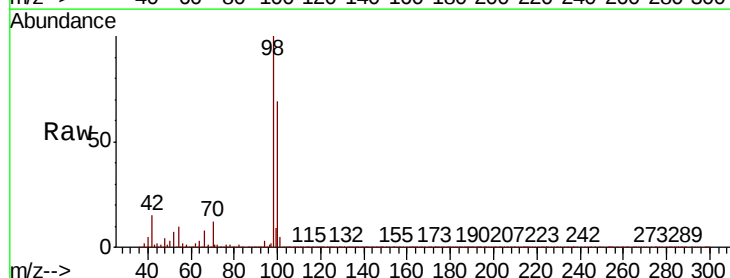
Acq: 08 Apr 2020 12:15

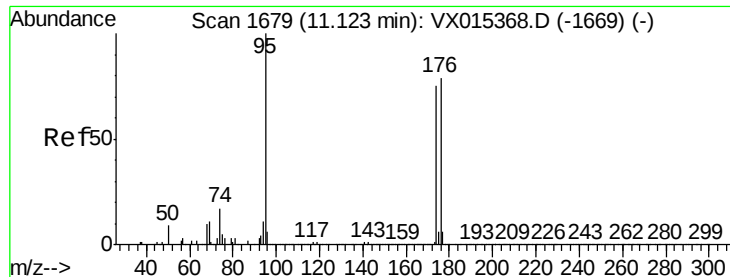
Tgt Ion: 98 Resp: 2020133

Ion Ratio Lower Upper

98 100

100 66.8 53.5 80.3

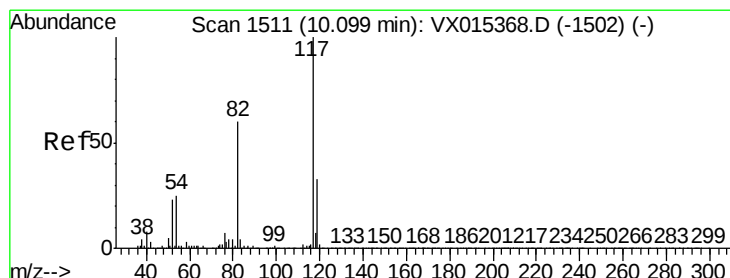
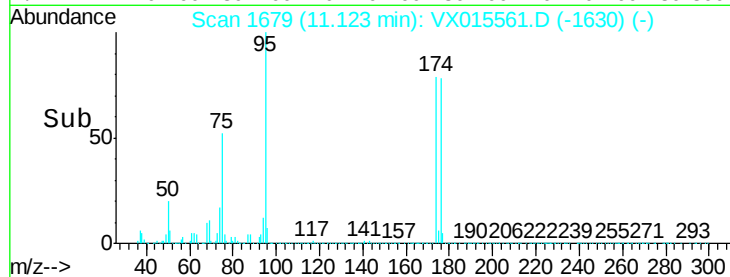
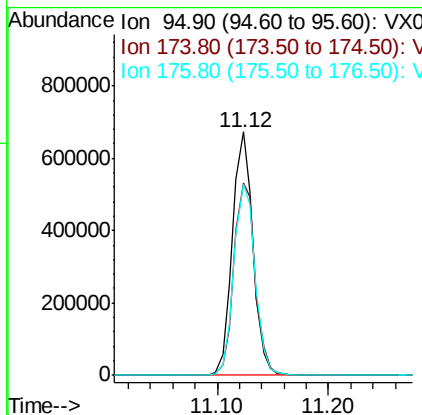
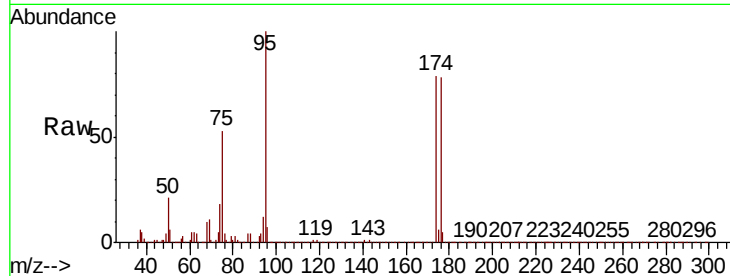




#62
4-Bromofluorobenzene
Concen: 53.691 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015561.D
Acq: 08 Apr 2020 12:15

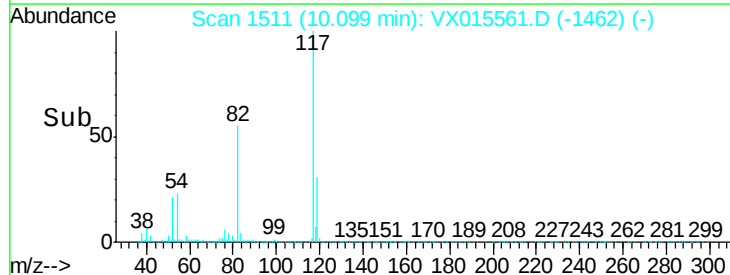
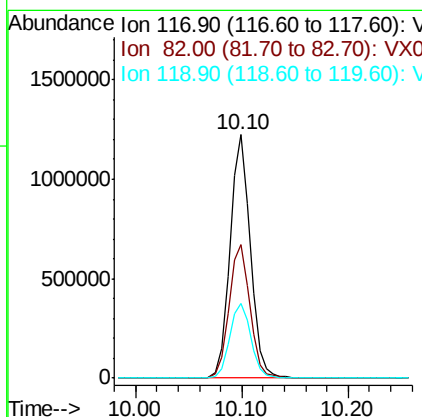
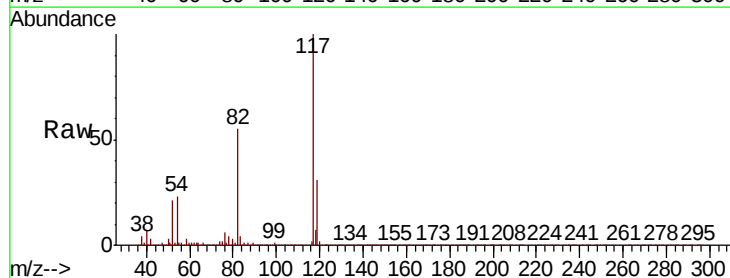
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB1-200604

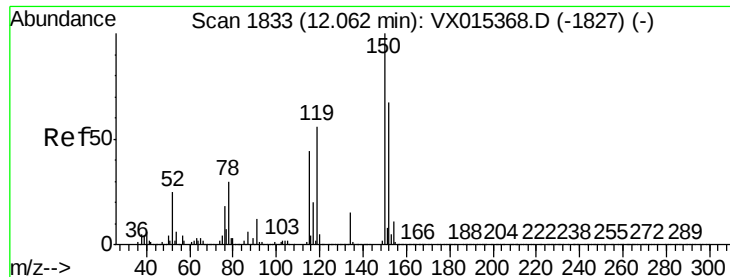
Tot Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	158.6
176	81.2	0.0	159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015561.D
Acq: 08 Apr 2020 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	47.8	71.8
119	30.6	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: VX015561.D

Acq: 08 Apr 2020 12:15

Instrument :

MSVOA_X

ClientSampled :

Z3-TB1-200604

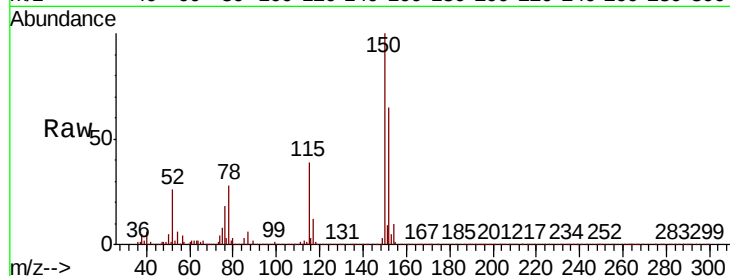
Tot Ion:152 Resp: 862654

Ion Ratio Lower Upper

152 100

115 59.2 39.0 116.9

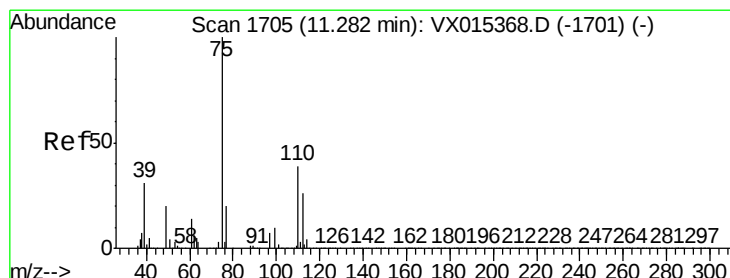
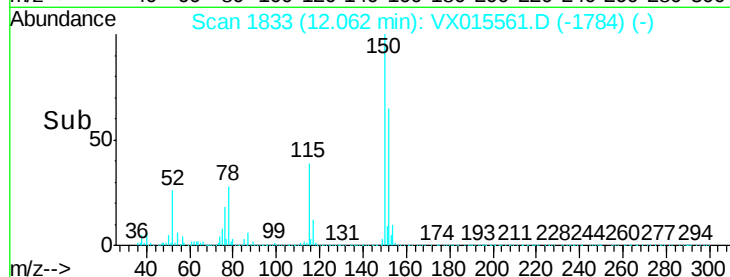
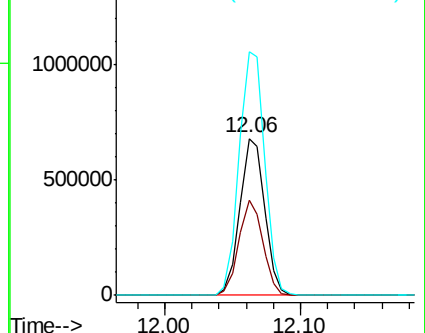
150 160.9 0.0 340.8



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



#76

1,2,3-Trichloropropane

Concen: 25.175 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015561.D

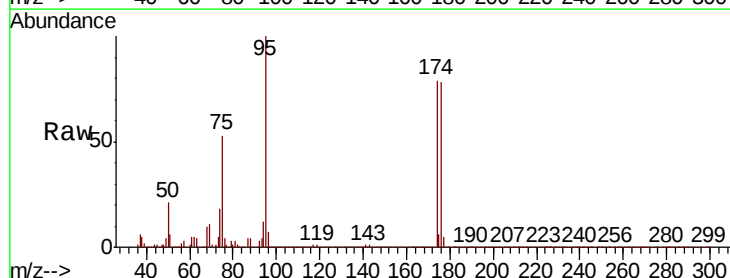
Acq: 08 Apr 2020 12:15

Tgt Ion: 75 Resp: 446600

Ion Ratio Lower Upper

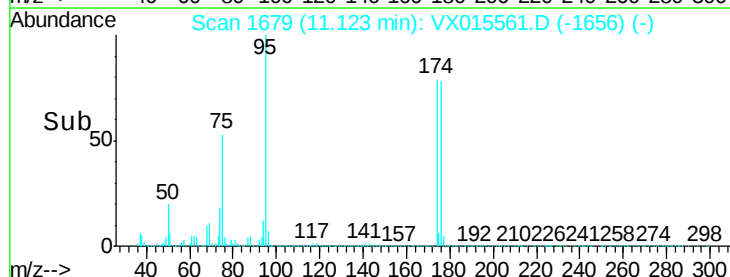
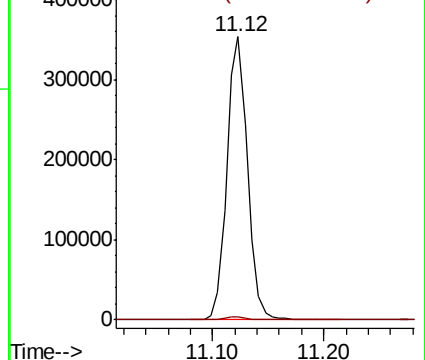
75 100

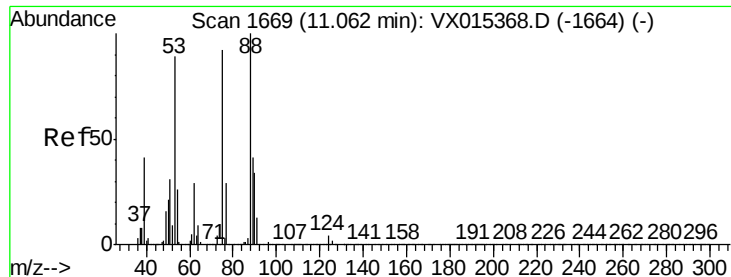
77 1.3 21.2 63.6#



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: 60.406 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015561.D

Acq: 08 Apr 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB1-200604

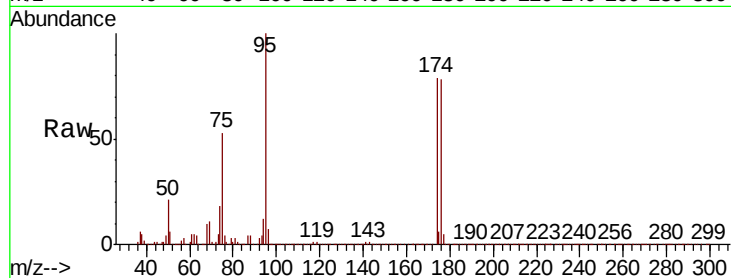
Tot Ion: 75 Resp: 446600

Ion Ratio Lower Upper

75 100

53 0.0 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

