

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015891.D
 Acq On : 23 Apr 2020 15:31
 Operator : JC/SP
 Sample : L2379-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0546-200420

Quant Time: Apr 24 03:31:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	837505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1308538	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1292056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	727958	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	472644	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
35) Dibromofluoromethane	5.47	113	377437	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
50) Toluene-d8	8.70	98	1578165	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	11.12	95	675258	54.14	ug/l	0.00
Spiked Amount			Recovery	=	108.28%	

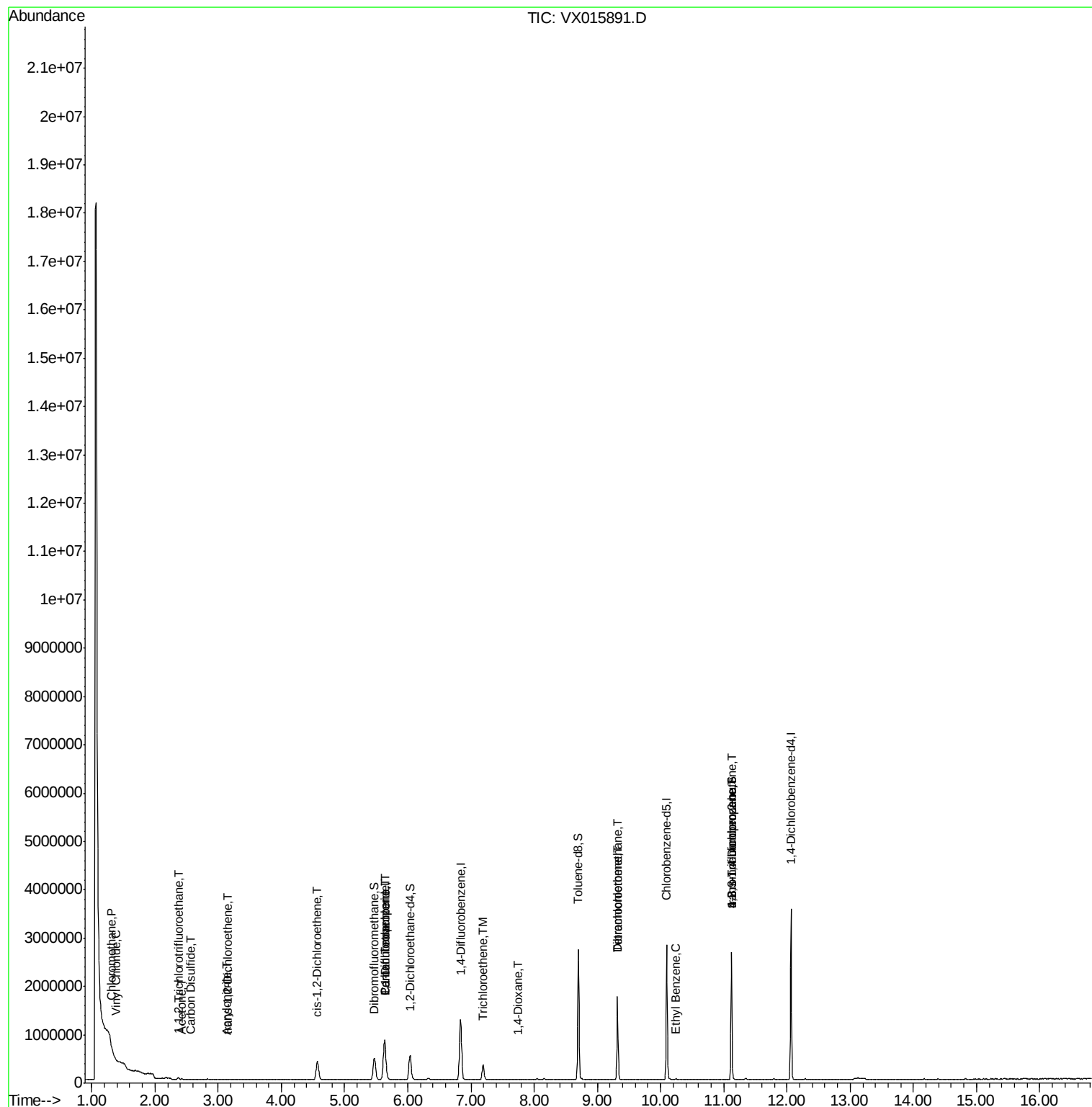
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2630	0.358	ug/l	97
4) Vinyl Chloride	1.39	62	2199	0.259	ug/l #	49
9) 1,1,2-Trichlorotrifluoroet	2.37	101	13945	1.950	ug/l	96
15) Acrylonitrile	3.12	53	1061	0.235	ug/l #	31
16) Acetone	2.42	43	11008	2.654	ug/l	90
17) Carbon Disulfide	2.56	76	12842	0.482	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	4259	0.523	ug/l	90
27) cis-1,2-Dichloroethene	4.57	96	244137	26.422	ug/l	89
36) 1,1-Dichloropropene	5.64	75	56045	4.831	ug/l #	53
38) Carbon Tetrachloride	5.64	117	73370	6.421	ug/l #	16
44) Trichloroethene	7.19	130	120720	9.832	ug/l	89
49) 1,4-Dioxane	7.73	88	240	1.109	ug/l #	1
60) Dibromochloromethane	9.32	129	306746	33.967	ug/l #	10
64) Tetrachloroethene	9.32	164	344225	19.765	ug/l	94
67) Ethyl Benzene	10.24	91	14640	0.323	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	331126	23.921	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	331126	57.542	ug/l #	12

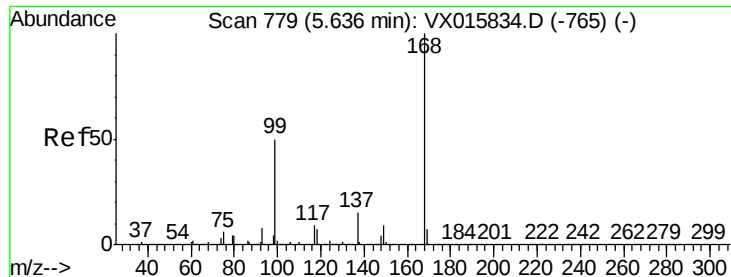
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.00 min

Lab File: VX015891.D

Acq: 23 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

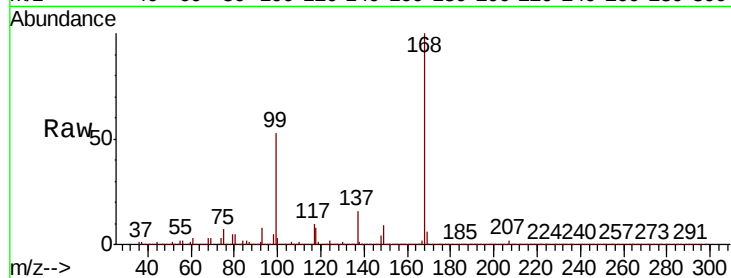
Z3-DUP-0546-200420

Tot Ion:168 Resp: 837505

Ion Ratio Lower Upper

168 100

99 53.1 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

300000

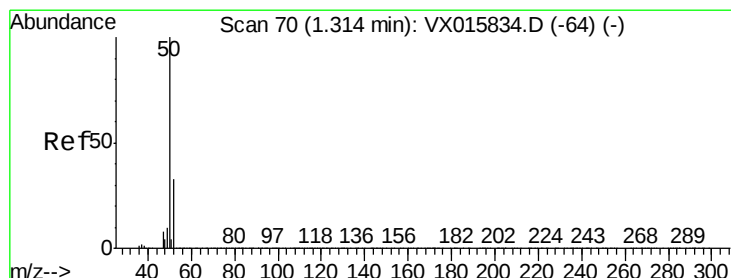
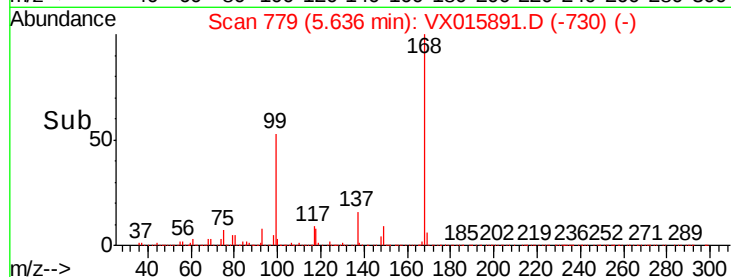
200000

100000

0

5.50 5.60 5.70

Time-->



#3

Chloromethane

Concen: 0.358 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015891.D

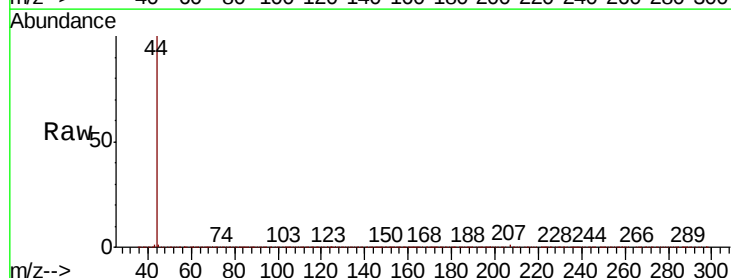
Acq: 23 Apr 2020 15:31

Tgt Ion: 50 Resp: 2630

Ion Ratio Lower Upper

50 100

52 34.3 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2500

2000

1500

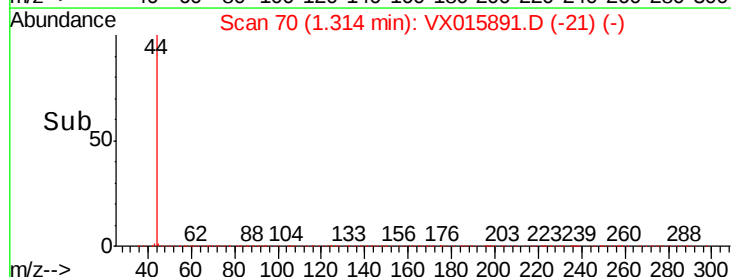
1000

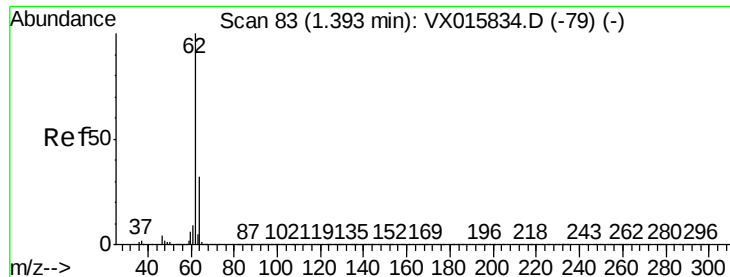
500

0

1.28 1.30 1.32 1.34

Time-->





#4

Vinyl Chloride

Concen: 0.259 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX015891.D

Acq: 23 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

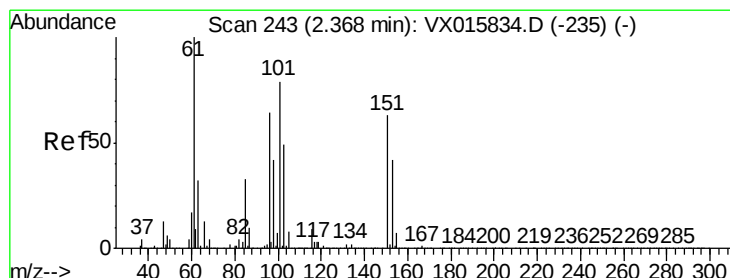
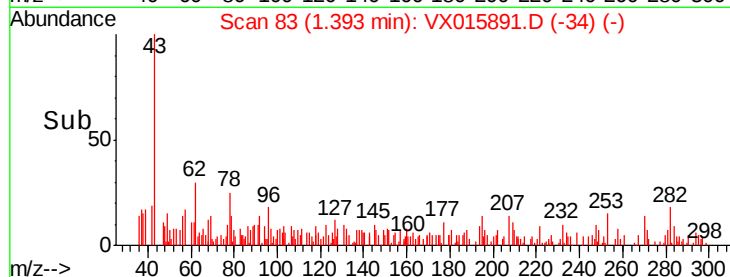
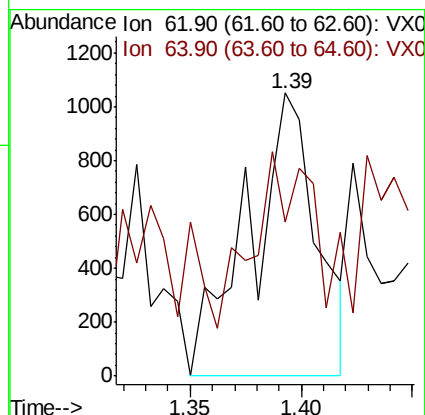
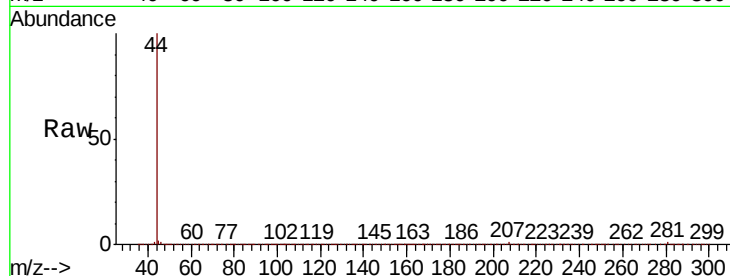
Z3-DUP-0546-200420

Tot Ion: 62 Resp: 2199

Ion Ratio Lower Upper

62 100

64 3.6 25.4 38.2#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.950 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX015891.D

Acq: 23 Apr 2020 15:31

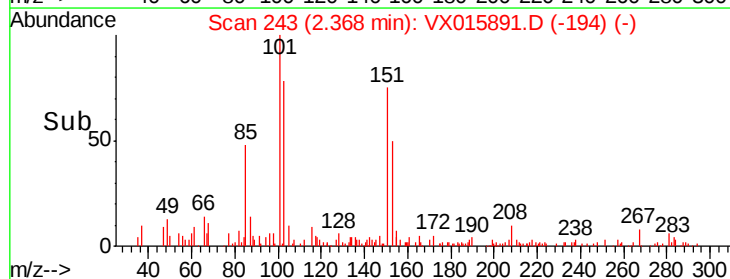
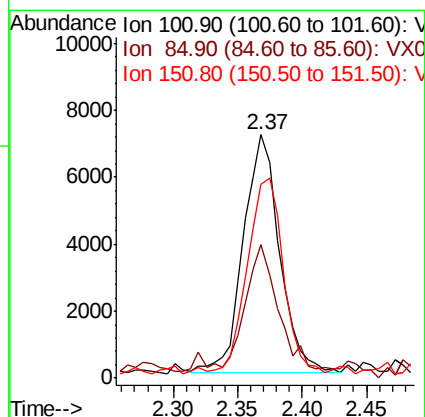
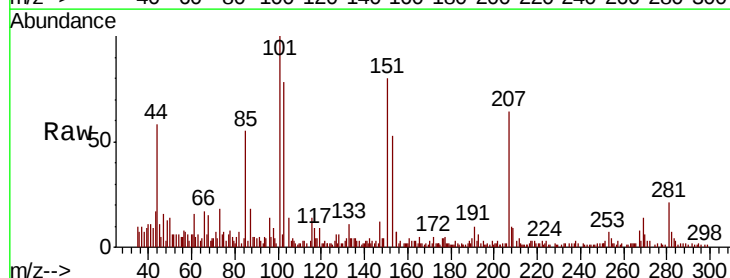
Tgt Ion: 101 Resp: 13945

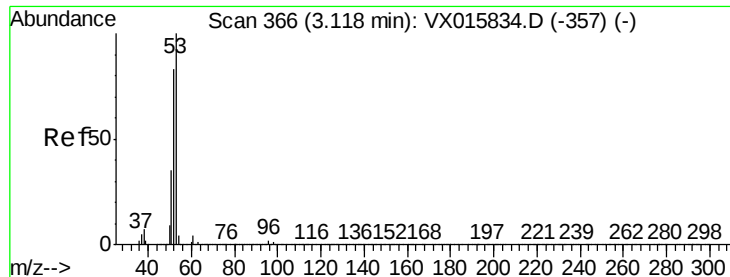
Ion Ratio Lower Upper

101 100

85 44.7 33.8 50.6

151 81.3 67.8 101.6





#15

Acrylonitrile

Concen: 0.235 ug/l

RT: 3.12 min Scan# 367

Delta R.T. 0.01 min

Lab File: VX015891.D

Acq: 23 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0546-200420

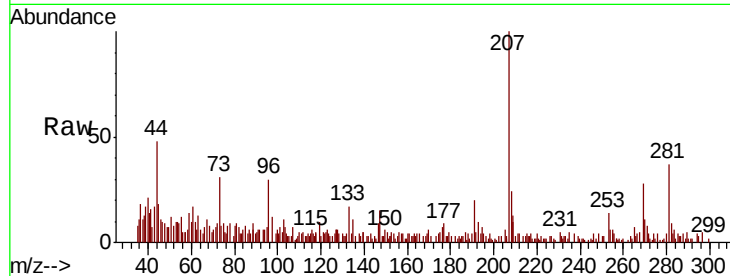
Tot Ion: 53 Resp: 1061

Ion Ratio Lower Upper

53 100

52 12.9 66.2 99.4#

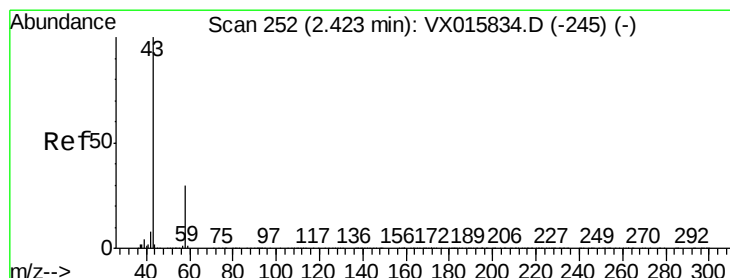
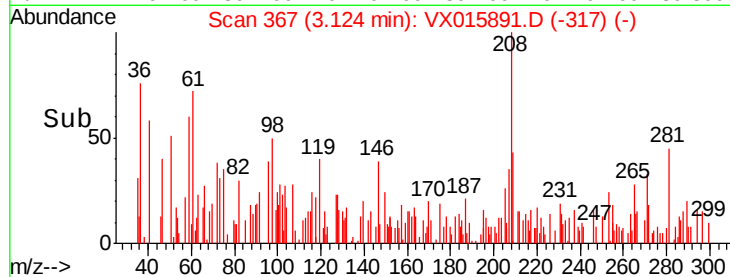
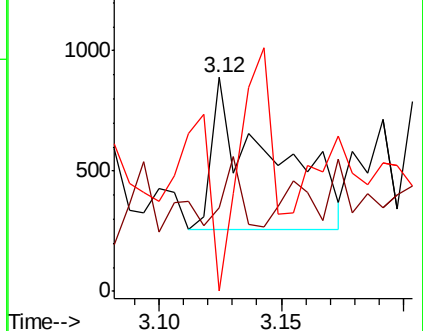
51 64.6 28.6 43.0#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 2.654 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015891.D

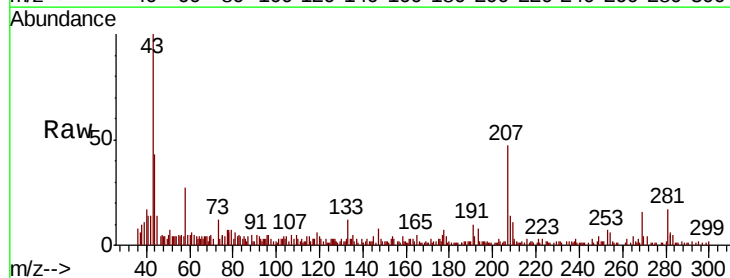
Acq: 23 Apr 2020 15:31

Tgt Ion: 43 Resp: 11008

Ion Ratio Lower Upper

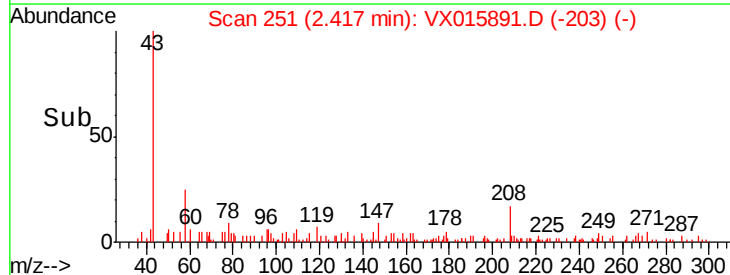
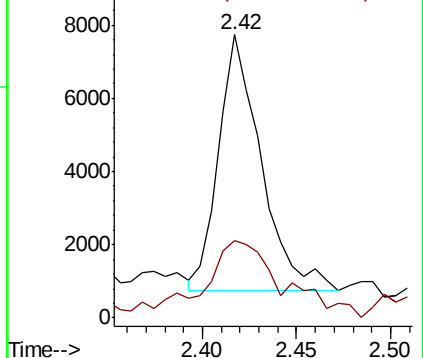
43 100

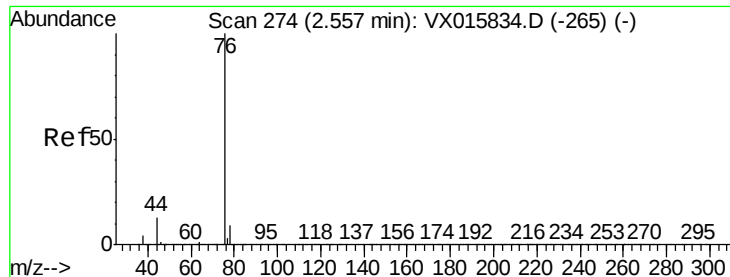
58 24.4 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

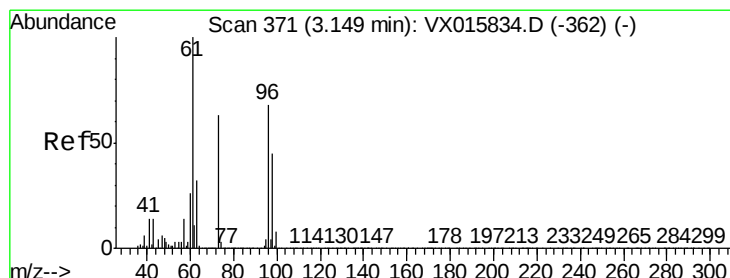
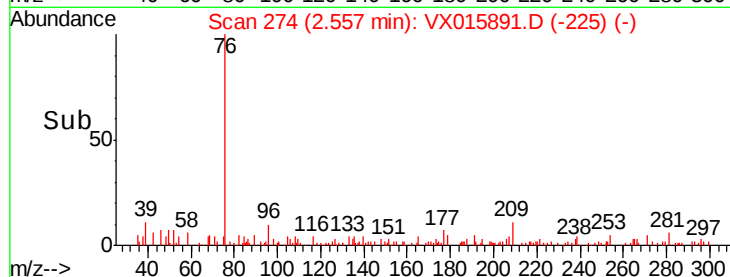
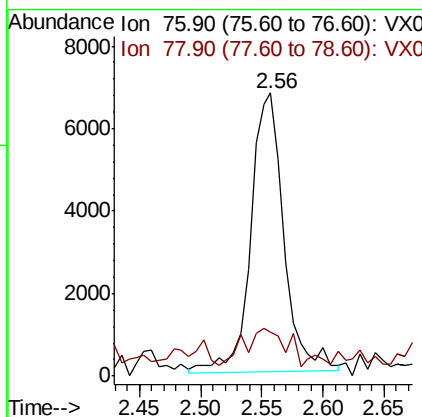
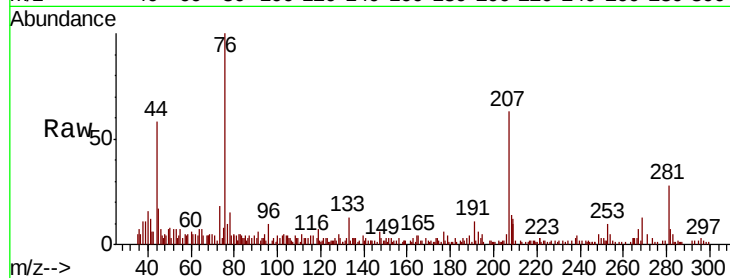




#17
Carbon Disulfide
Concen: 0.482 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX015891.D
Acq: 23 Apr 2020 15:31

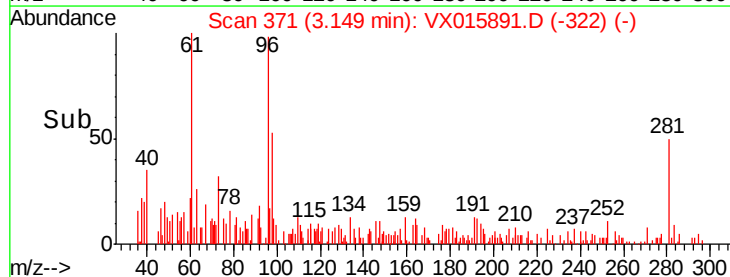
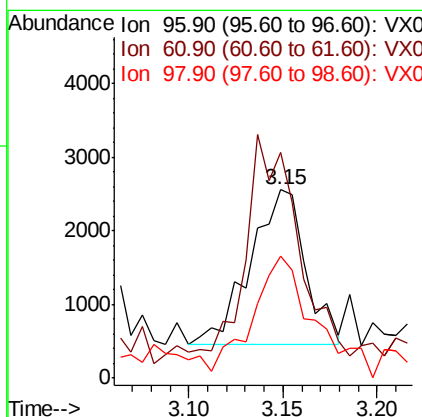
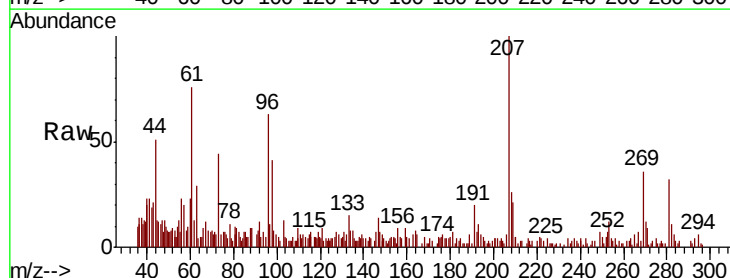
Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0546-200420

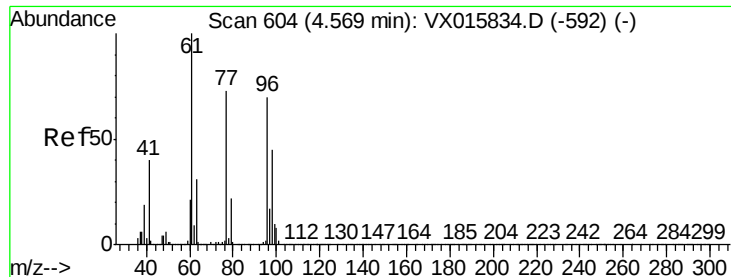
Tot Ion: 76 Resp: 12842
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#21
trans-1,2-Dichloroethene
Concen: 0.523 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.00 min
Lab File: VX015891.D
Acq: 23 Apr 2020 15:31

Tgt Ion: 96 Resp: 4259
Ion Ratio Lower Upper
96 100
61 129.5 117.5 176.3
98 67.2 52.7 79.1



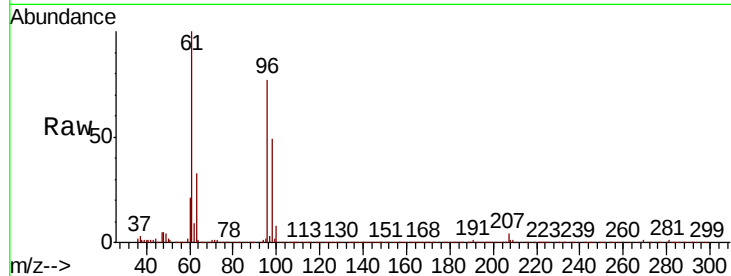


#27

cis-1,2-Dichloroethene
Concen: 26.422 ug/l
RT: 4.57 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX015891.D
Acq: 23 Apr 2020 15:31

Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0546-200420

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.3	0.0	299.4
98	64.4	0.0	129.6

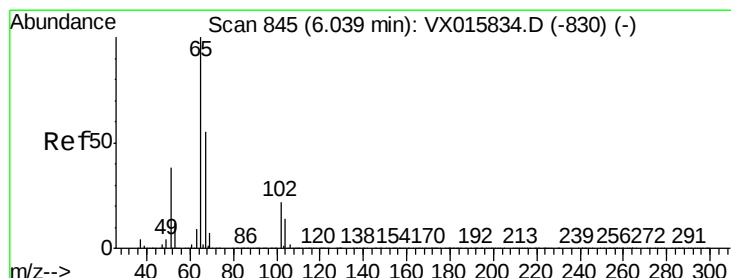
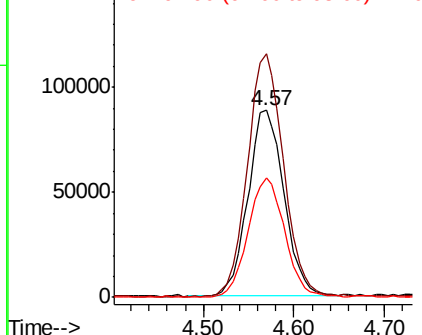
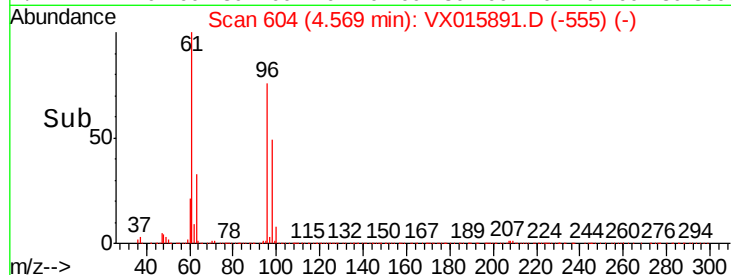


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

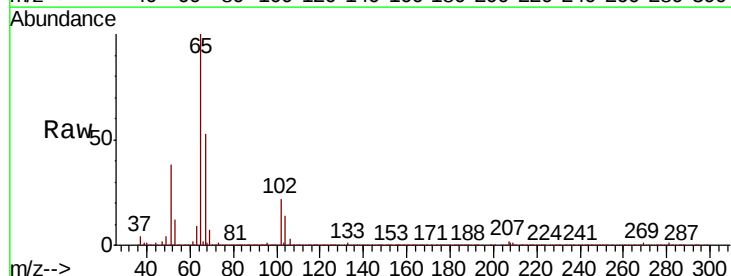
Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4
Concen: 49.619 ug/l
RT: 6.04 min Scan# 845
Delta R.T. -0.00 min
Lab File: VX015891.D
Acq: 23 Apr 2020 15:31

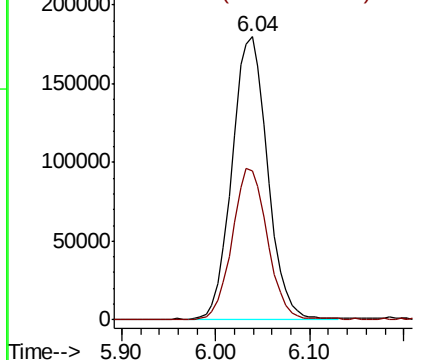
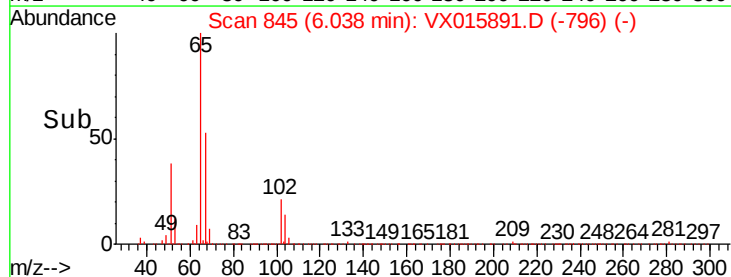
Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.2

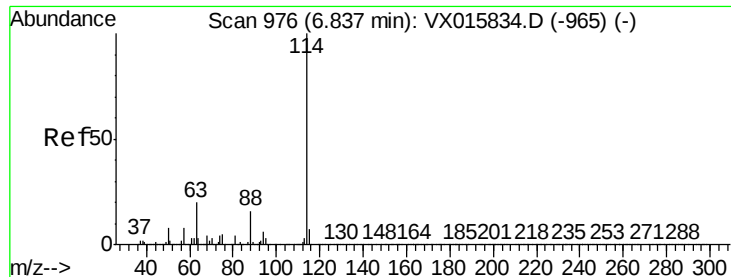


Abundance

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: VX015891.D

Acq: 23 Apr 2020 15:31

Instrument :

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ClientSampleId :

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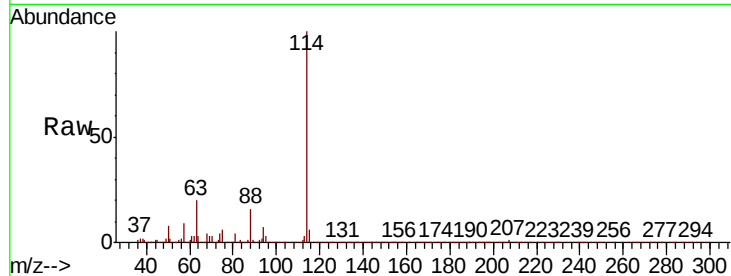
Tot Ion:114 Resp: 1308538

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.6

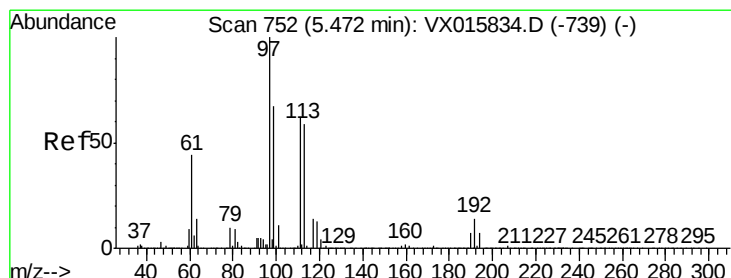
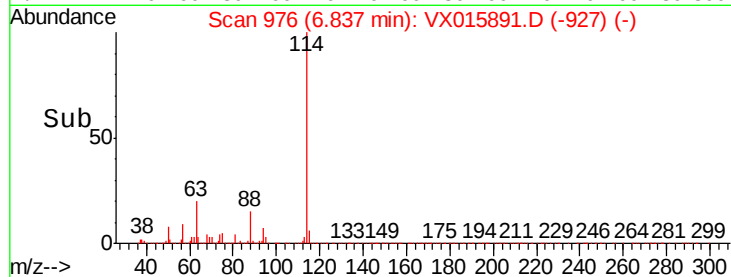
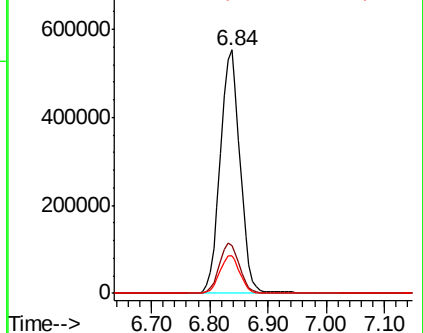
88 15.5 0.0 32.8



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: 49.970 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015891.D

Acq: 23 Apr 2020 15:31

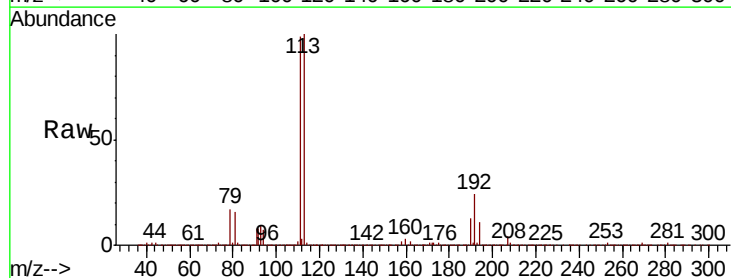
Tgt Ion:113 Resp: 377437

Ion Ratio Lower Upper

113 100

111 102.0 82.7 124.1

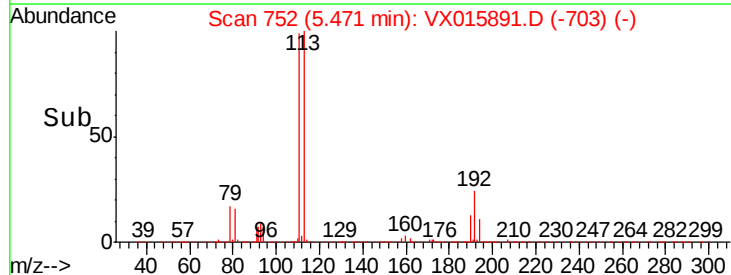
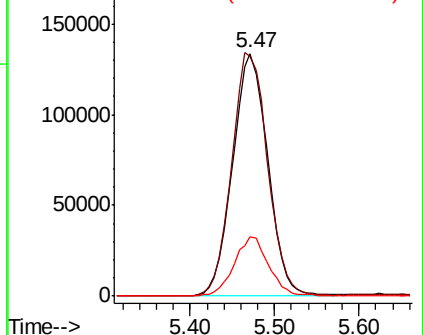
192 24.2 19.3 28.9

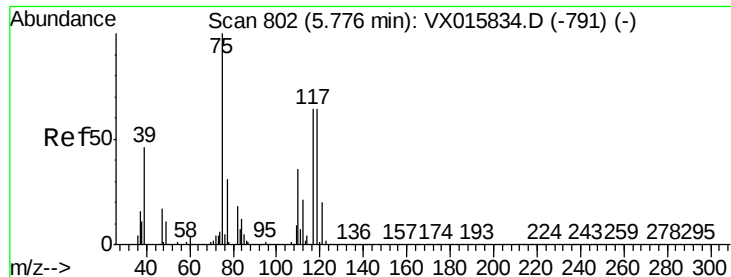


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

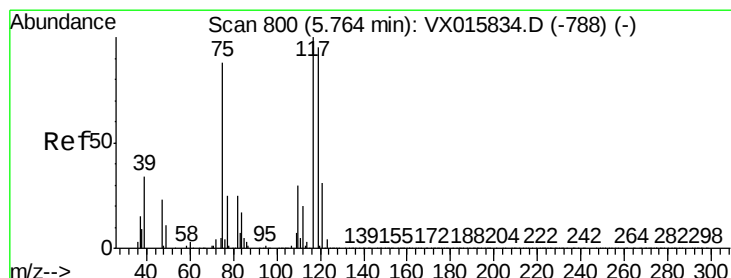
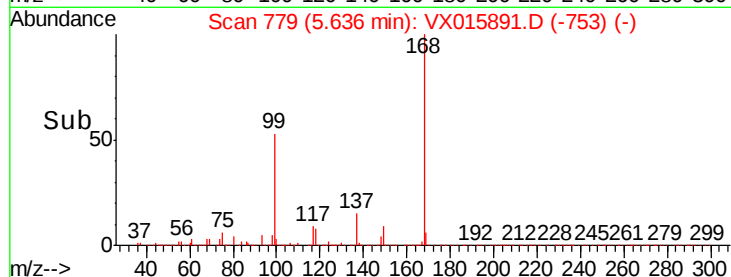
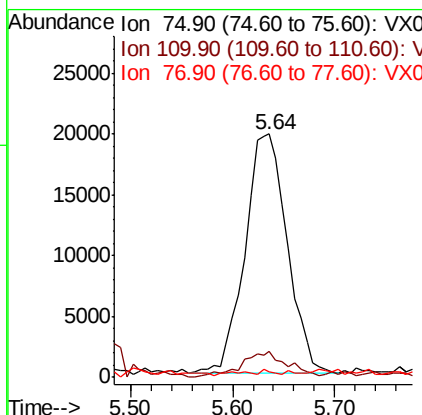
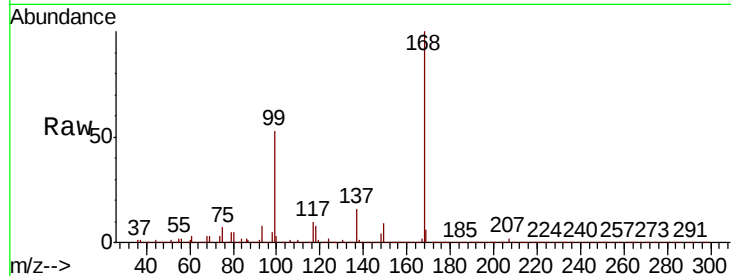




#36
 1,1-Dichloropropene
 Concen: 4.831 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.14 min
 Lab File: VX015891.D
 Acq: 23 Apr 2020 15:31

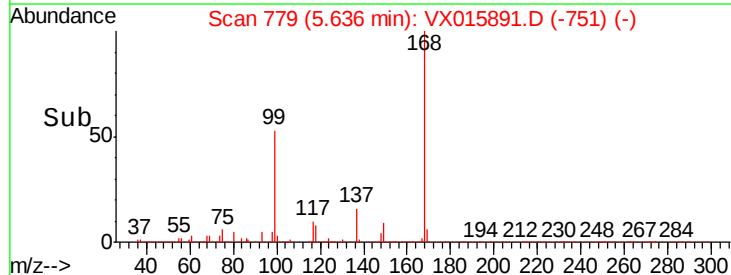
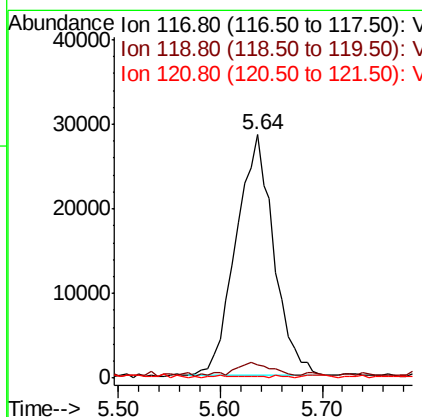
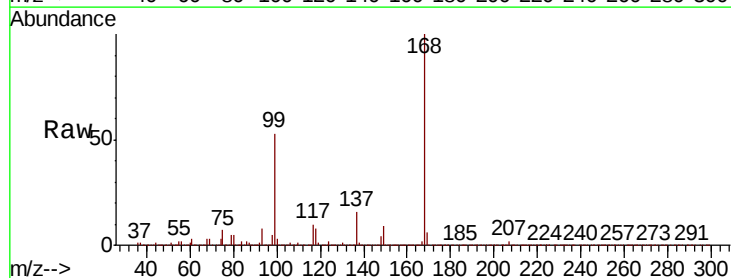
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0546-200420

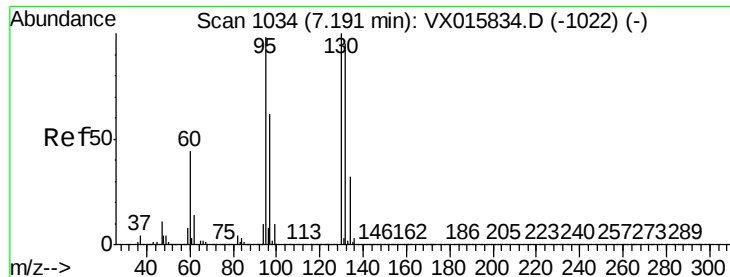
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.0	17.9	53.8#
77	0.8	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.421 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015891.D
 Acq: 23 Apr 2020 15:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	75.7	113.5#
121	0.5	25.0	37.6#





#44

Trichloroethene

Concen: 9.832 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX015891.D

Acq: 23 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

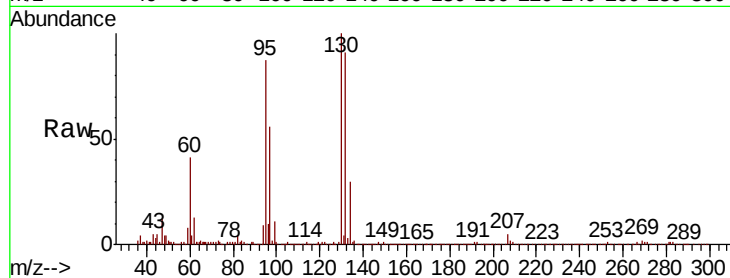
Z3-DUP-0546-200420

Tot Ion:130 Resp: 120720

Ion Ratio Lower Upper

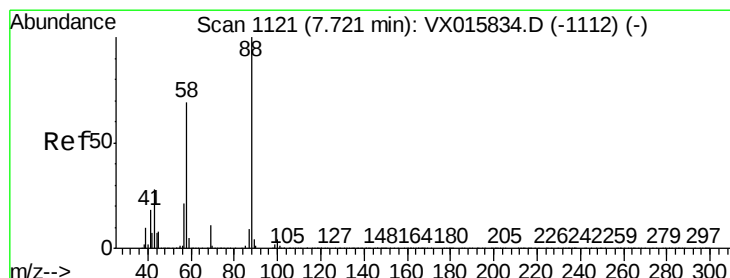
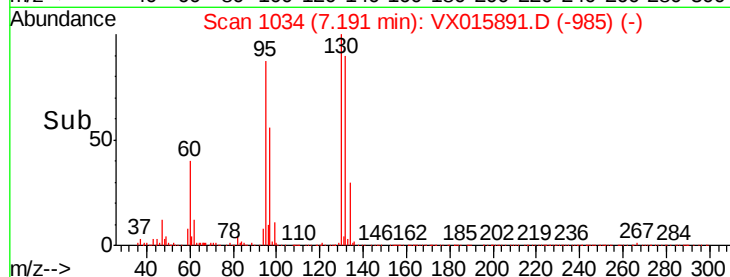
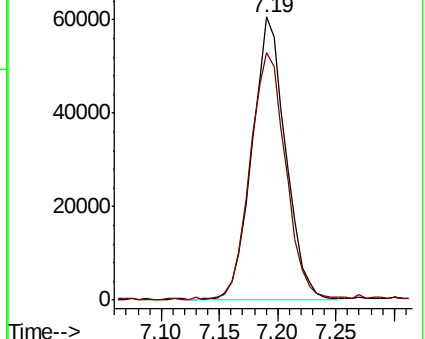
130 100

95 87.4 0.0 195.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.109 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX015891.D

Acq: 23 Apr 2020 15:31

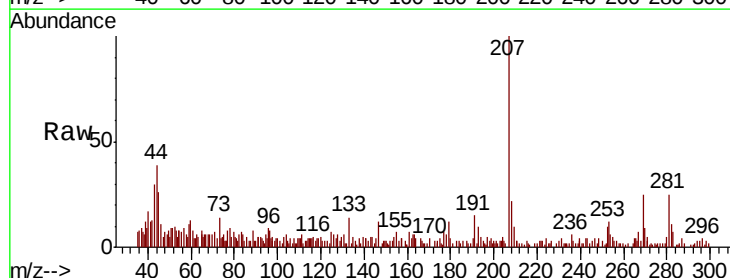
Tgt Ion: 88 Resp: 240

Ion Ratio Lower Upper

88 100

43 597.9 28.2 42.4#

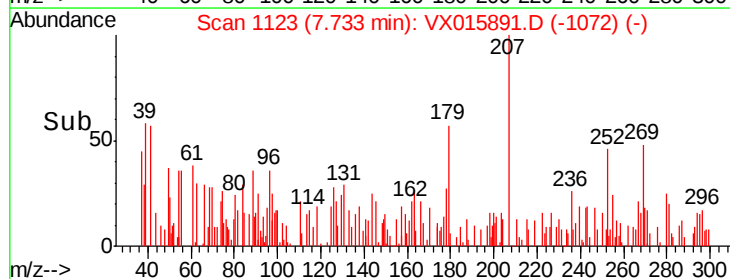
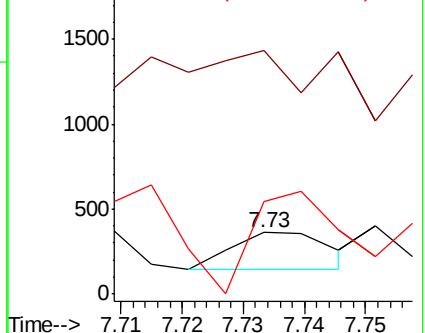
58 266.7 58.9 88.3#

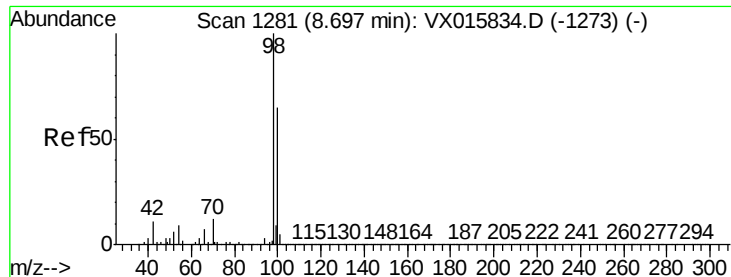


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.902 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015891.D

Acq: 23 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

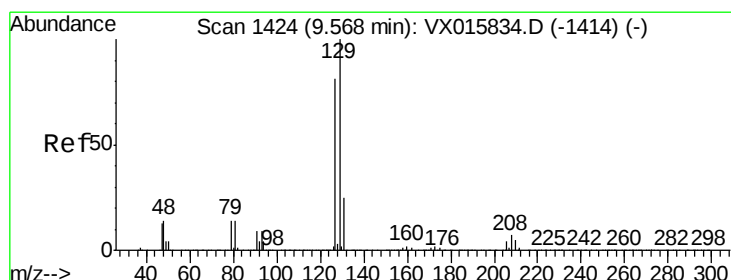
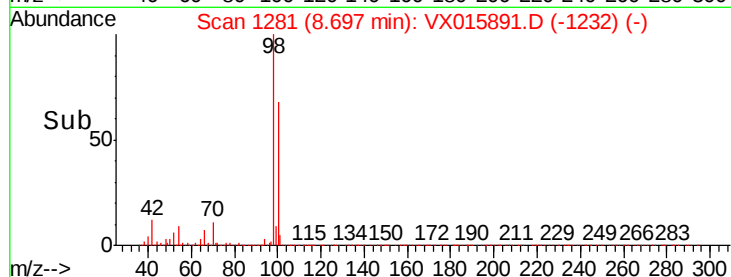
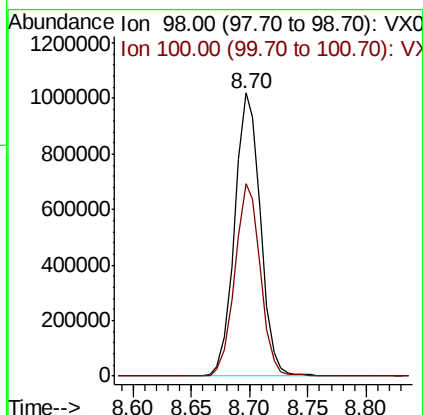
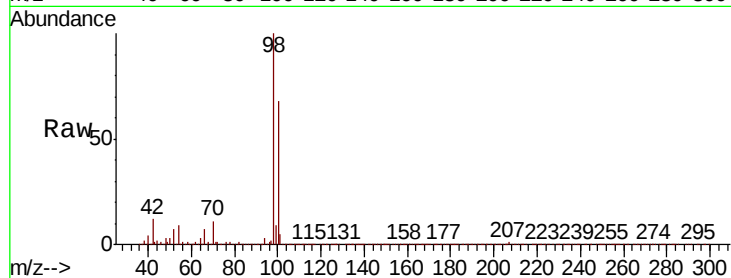
Z3-DUP-0546-200420

Tot Ion: 98 Resp: 1578165

Ion Ratio Lower Upper

98 100

100 67.1 53.8 80.6



#60

Dibromochloromethane

Concen: 33.967 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015891.D

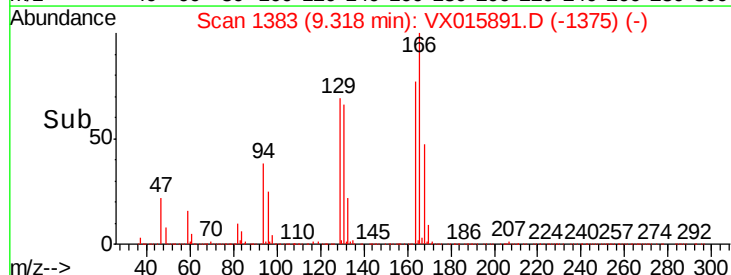
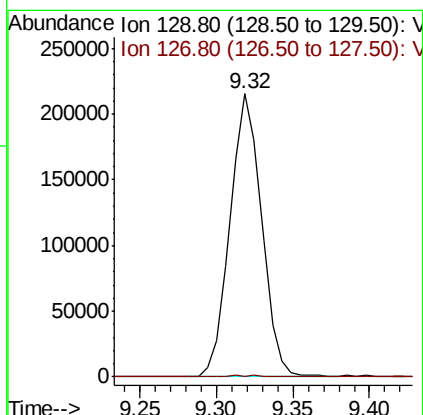
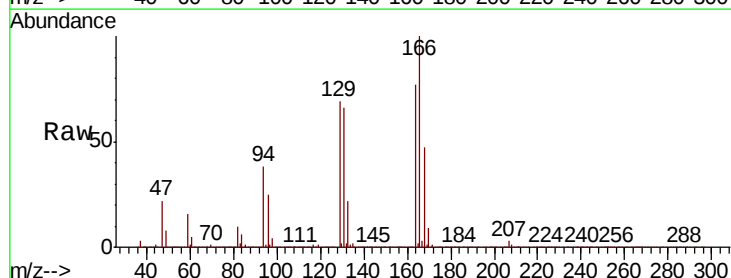
Acq: 23 Apr 2020 15:31

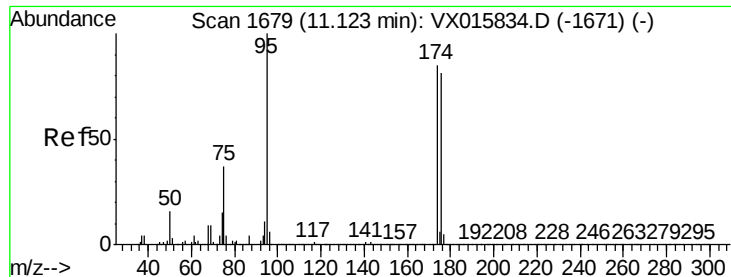
Tgt Ion: 129 Resp: 306746

Ion Ratio Lower Upper

129 100

127 0.3 40.0 120.0#

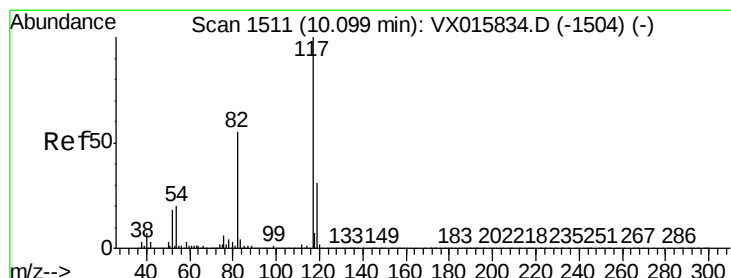
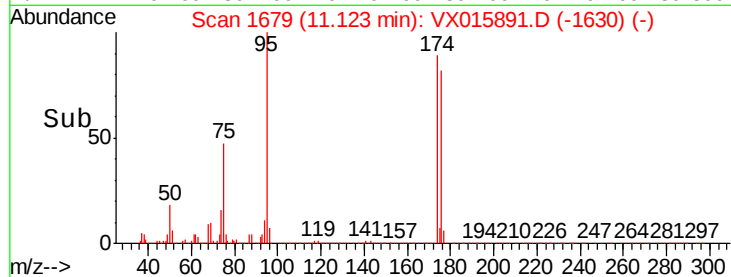
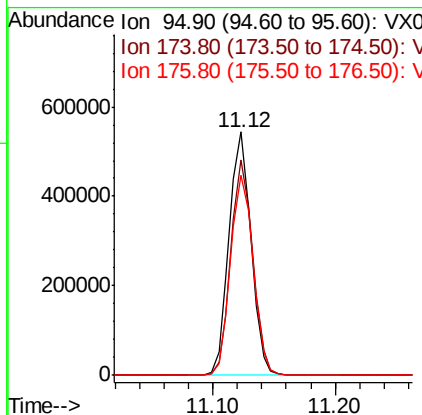
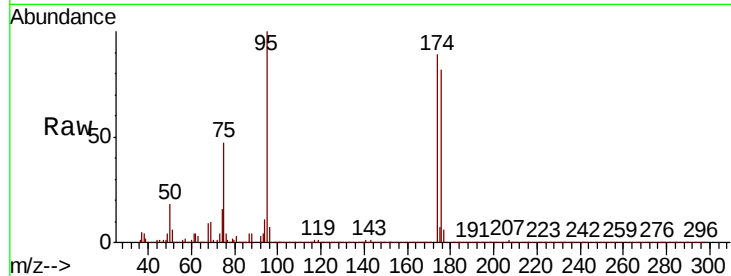




#62
4-Bromofluorobenzene
Concen: 54.135 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015891.D
Acq: 23 Apr 2020 15:31

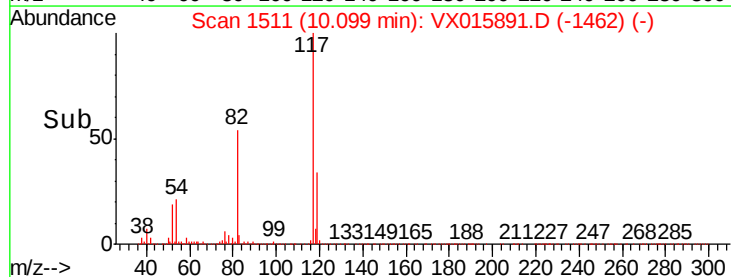
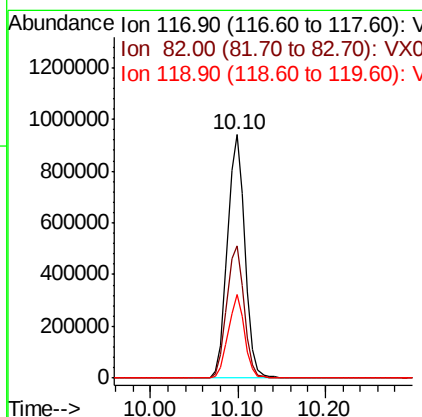
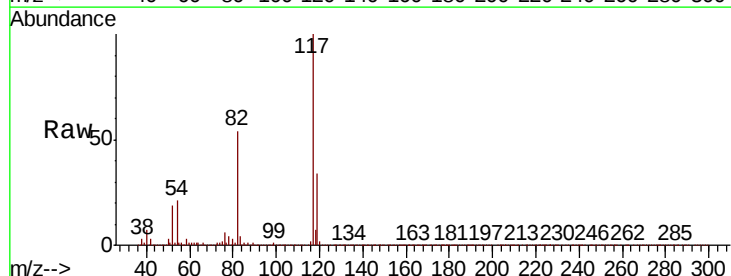
Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0546-200420

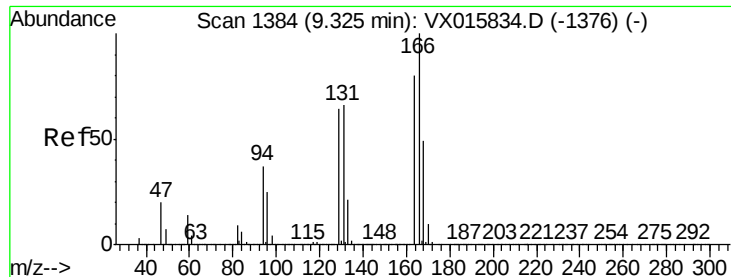
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	172.4
176	83.9	0.0	167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015891.D
Acq: 23 Apr 2020 15:31

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.9	65.9
119	34.4	25.1	37.7





#64

Tetrachloroethene

Concen: 19.765 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.01 min

Lab File: VX015891.D

Acq: 23 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0546-200420

Tot Ion:164 Resp: 344225

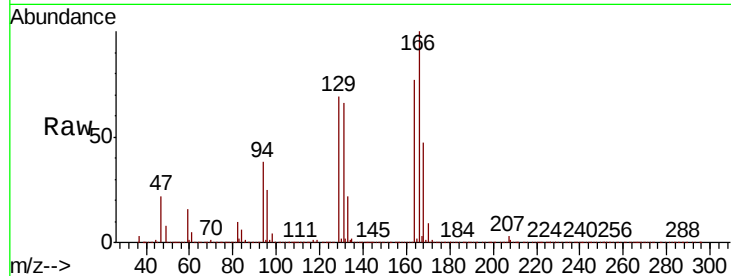
Ion Ratio Lower Upper

164 100

166 130.0 100.2 150.2

129 89.6 64.5 96.7

131 85.4 65.9 98.9

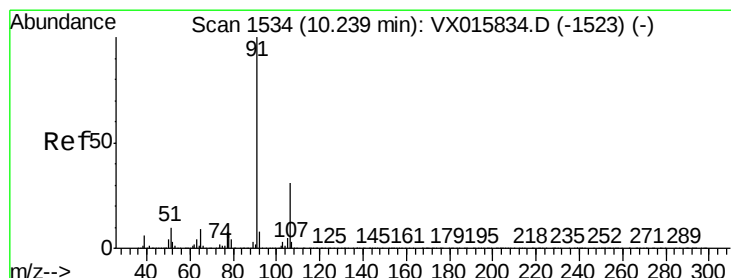
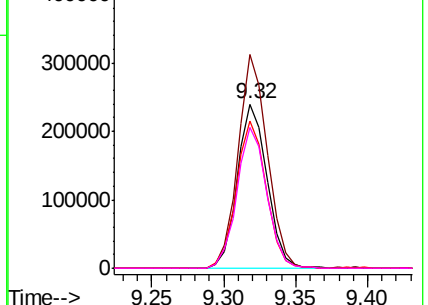
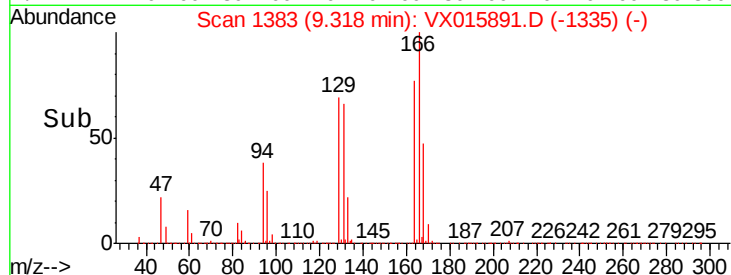


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 0.323 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VX015891.D

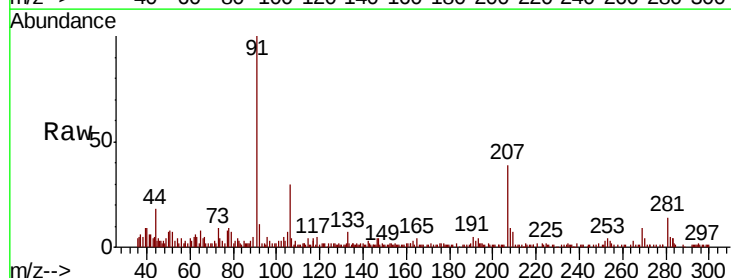
Acq: 23 Apr 2020 15:31

Tgt Ion: 91 Resp: 14640

Ion Ratio Lower Upper

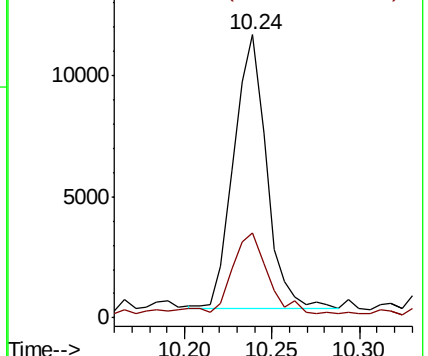
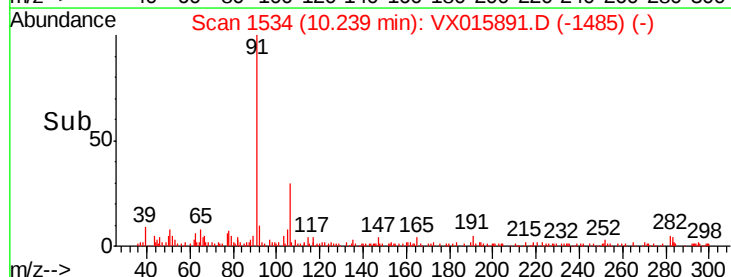
91 100

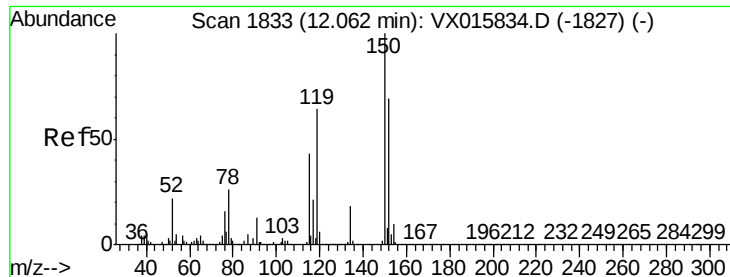
106 29.6 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): 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: VX015891.D

Acq: 23 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0546-200420

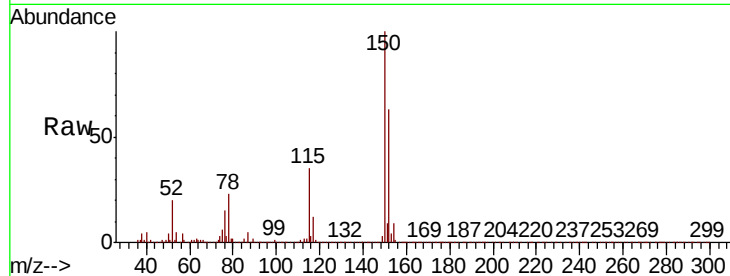
Tot Ion:152 Resp: 727958

Ion Ratio Lower Upper

152 100

115 56.0 39.0 116.9

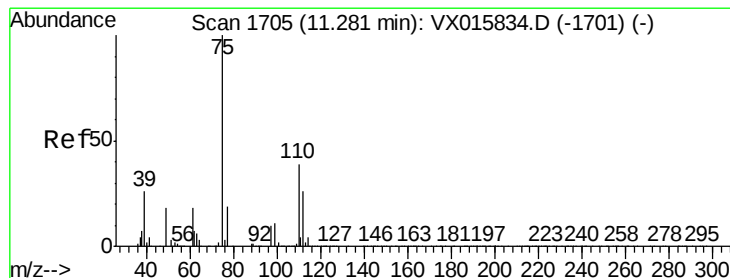
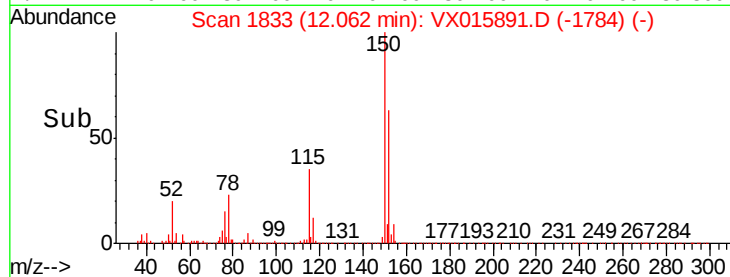
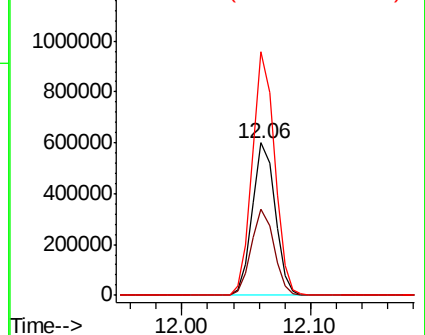
150 156.7 0.0 336.8



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: 23.921 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015891.D

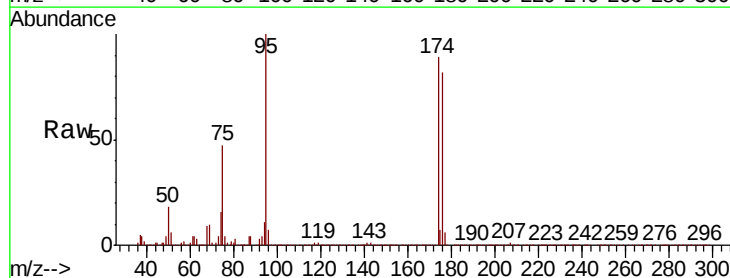
Acq: 23 Apr 2020 15:31

Tgt Ion: 75 Resp: 331126

Ion Ratio Lower Upper

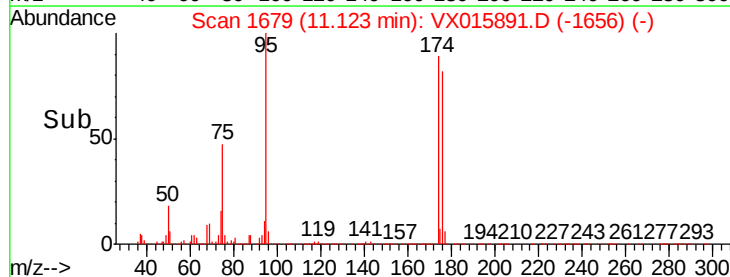
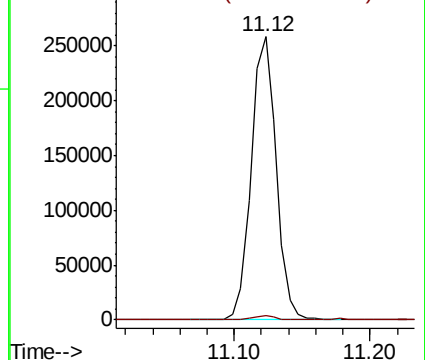
75 100

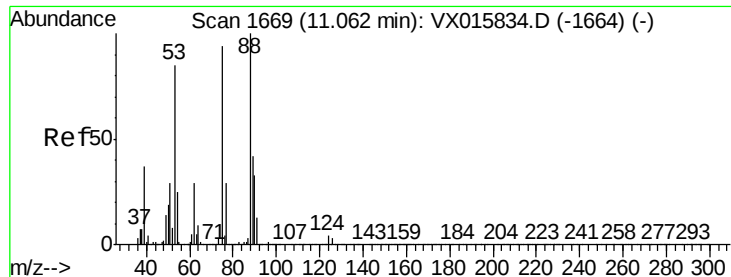
77 1.4 21.3 63.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 57.542 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015891.D

Acq: 23 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0546-200420

Tot Ion: 75 Resp: 331126

Ion Ratio Lower Upper

75 100

53 0.1 74.2 111.2#

89 0.0 38.0 57.0#

