

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040620\
 Data File : VX015516.D
 Acq On : 06 Apr 2020 16:34
 Operator : JC/SP
 Sample : PB128019TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB128019TB

Quant Time: Apr 07 05:03:38 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	5.63	168	1192210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1940803	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1875073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	1064633	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	794727	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
35) Dibromofluoromethane	5.47	113	606993	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	8.70	98	2337308	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.12	95	1036037	55.81	ug/l	0.00
Spiked Amount			Recovery	=	111.62%	

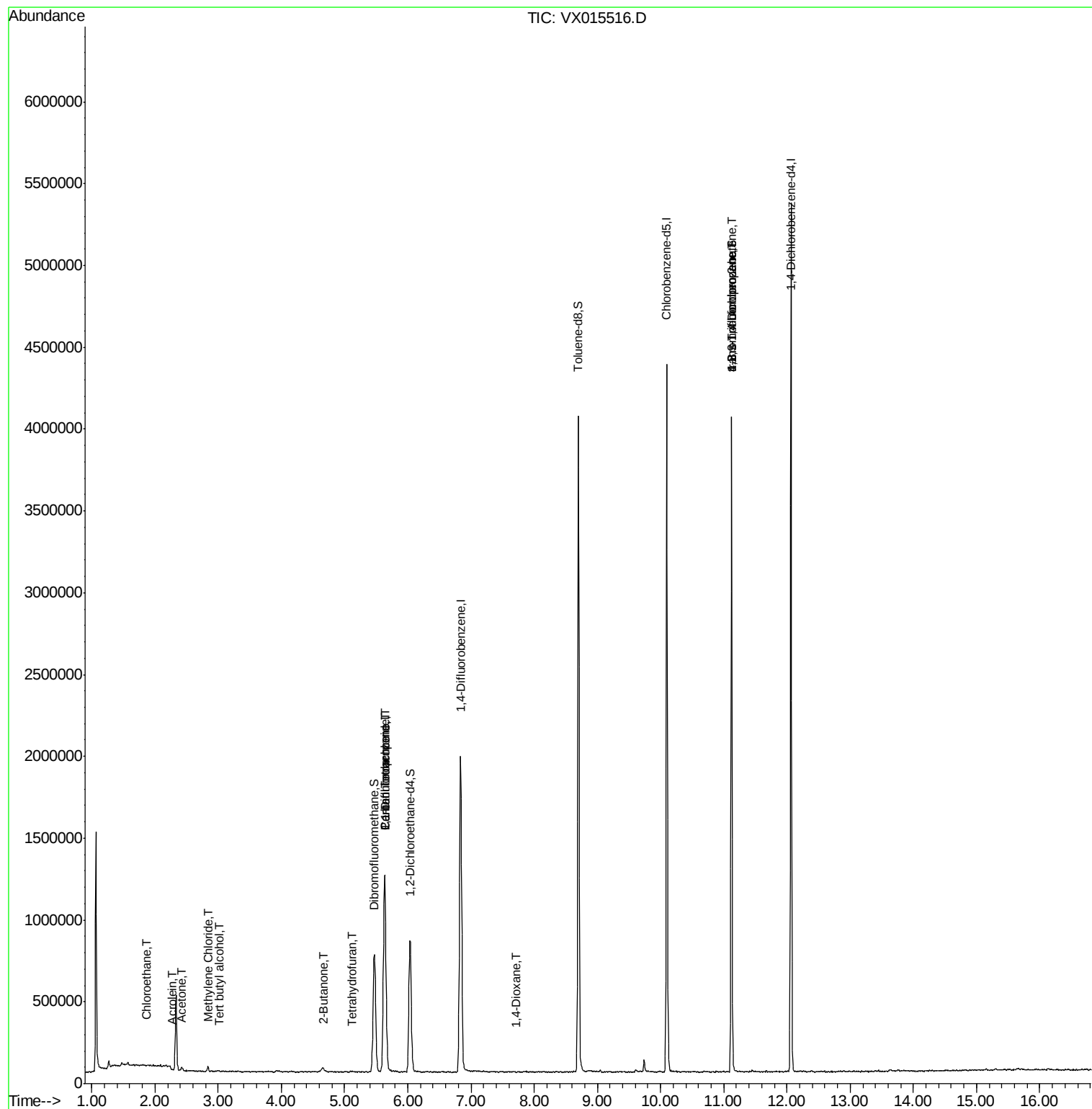
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	415	Below Cal	#	3
6) Chloroethane	1.85	64	2193	0.288	ug/l #	43
11) Tert butyl alcohol	3.01	59	5369	1.334	ug/l #	87
13) Acrolein	2.28	56	652	0.284	ug/l #	14
16) Acetone	2.42	43	24738	3.424	ug/l	95
20) Methylene Chloride	2.83	84	12834	0.951	ug/l	85
25) 2-Butanone	4.67	43	5852	0.504	ug/l	99
29) Tetrahydrofuran	5.12	42	6412	0.859	ug/l #	55
36) 1,1-Dichloropropene	5.63	75	89248	4.991	ug/l #	52
38) Carbon Tetrachloride	5.64	117	110984	5.730	ug/l #	15
49) 1,4-Dioxane	7.71	88	963	2.629	ug/l #	91
76) 1,2,3-Trichloropropane	11.12	75	530536	24.233	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	530536	58.145	ug/l #	10

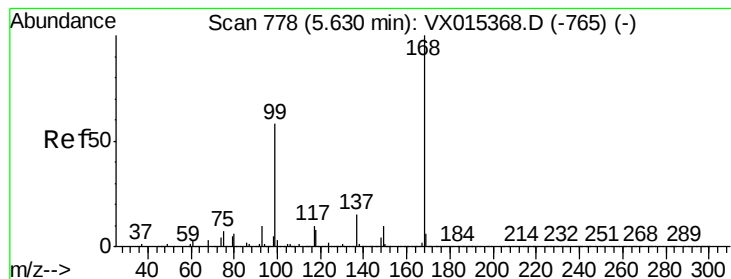
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040620\
Data File : VX015516.D
Acq On : 06 Apr 2020 16:34
Operator : JC/SP
Sample : PB128019TB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB128019TB

Quant Time: Apr 07 05:03:38 2020
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: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015516.D

Acq: 06 Apr 2020 16:34

Instrument :

MSVOA_X

ClientSampleId :

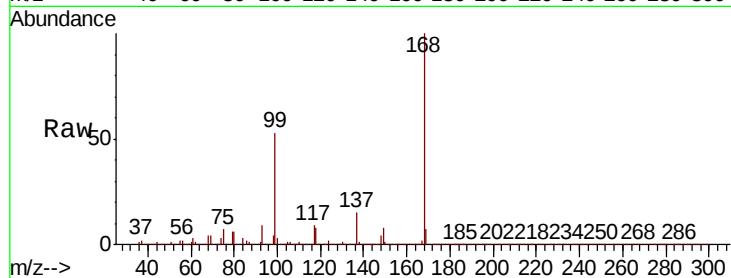
PB128019TB

Tot Ion:168 Resp: 1192210

Ion Ratio Lower Upper

168 100

99 53.1 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

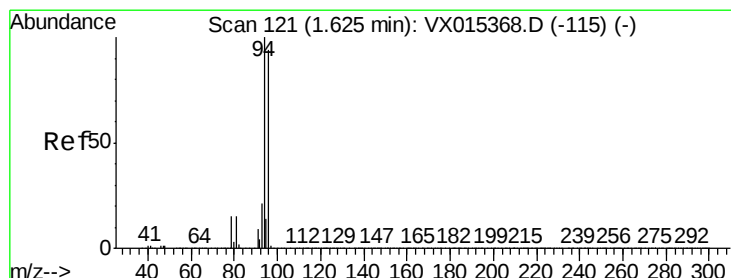
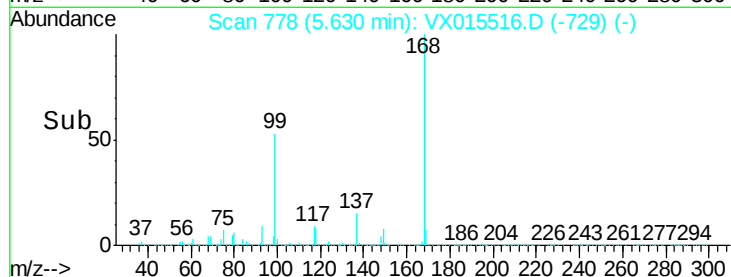
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015516.D

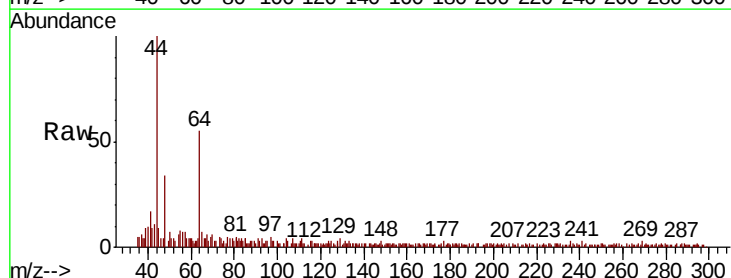
Acq: 06 Apr 2020 16:34

Tgt Ion: 94 Resp: 415

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

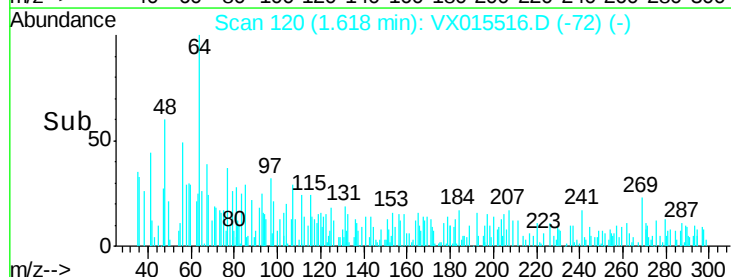
400

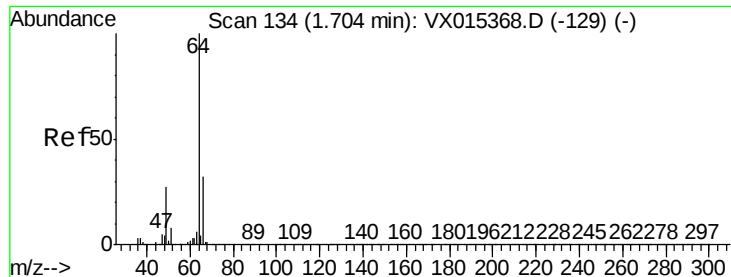
200

0

1.58 1.60 1.62 1.64

Time-->





#6

Chloroethane

Concen: 0.288 ug/l

RT: 1.85 min Scan# 158

Delta R.T. 0.15 min

Lab File: VX015516.D

Acq: 06 Apr 2020 16:34

Instrument :

MSVOA_X

ClientSampled :

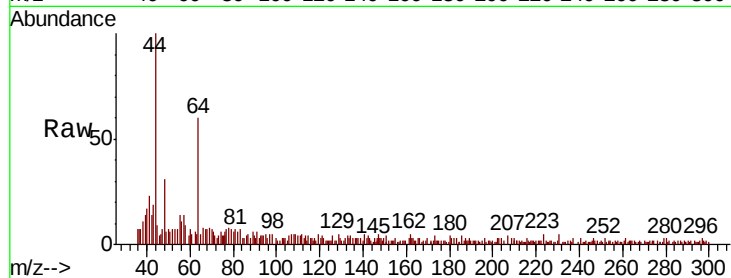
PB128019TB

Tot Ion: 64 Resp: 2193

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

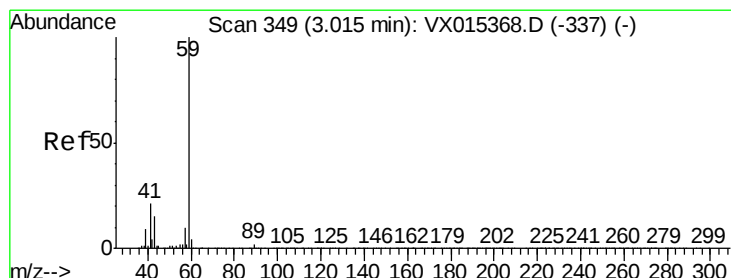
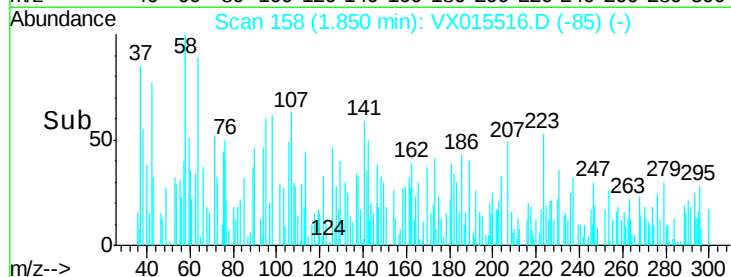


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.85

Time-->



#11

Tert butyl alcohol

Concen: 1.334 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.00 min

Lab File: VX015516.D

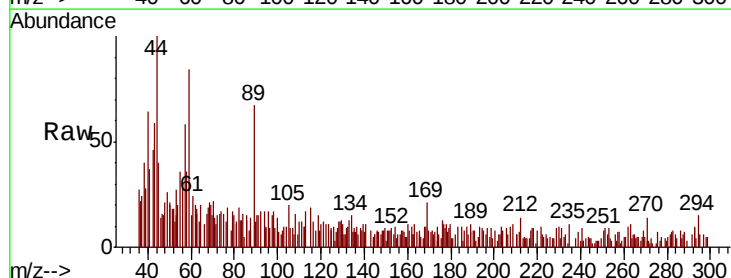
Acq: 06 Apr 2020 16:34

Tgt Ion: 59 Resp: 5369

Ion Ratio Lower Upper

59 100

57 14.8 8.1 12.1#

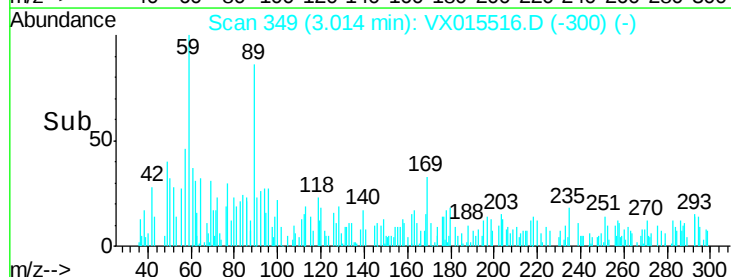


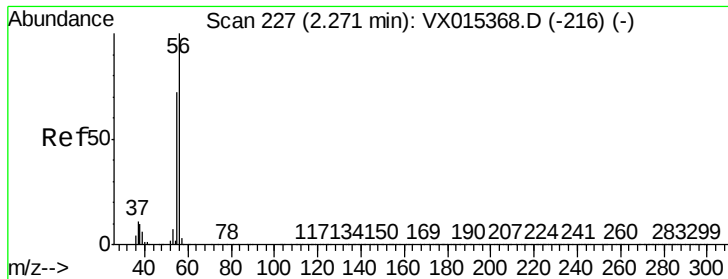
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

Time-->

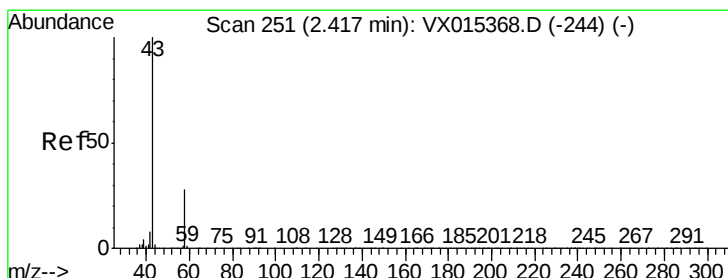
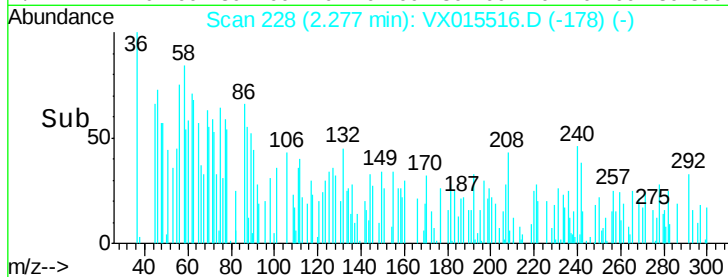
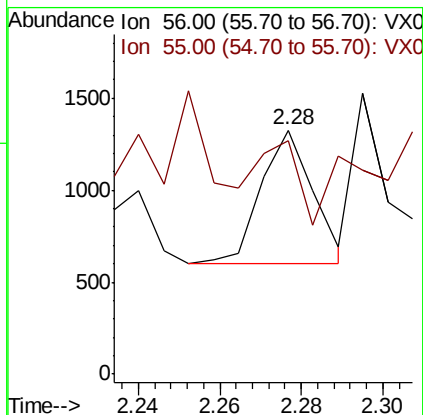
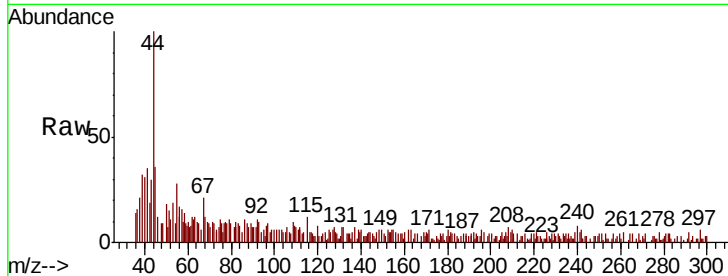




#13
Acrolein
Concen: 0.284 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015516.D
Acq: 06 Apr 2020 16:34

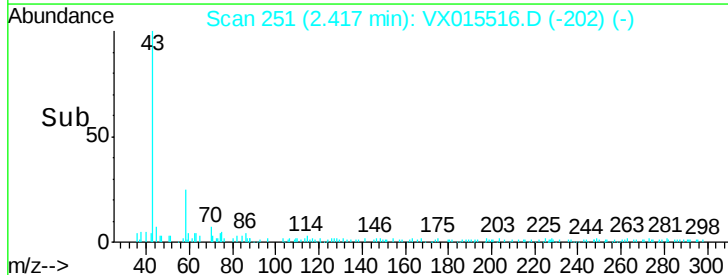
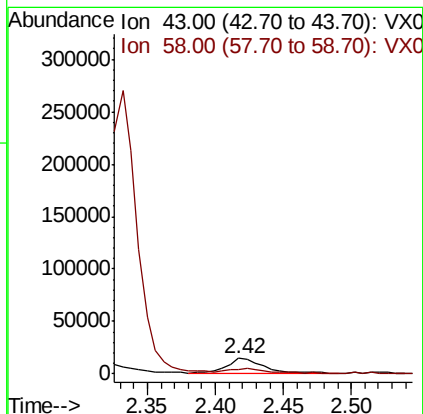
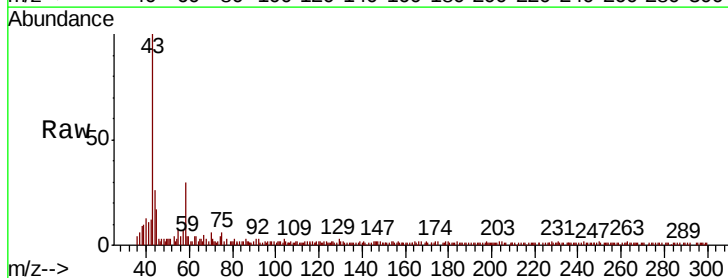
Instrument :
MSVOA_X
ClientSampleId :
PB128019TB

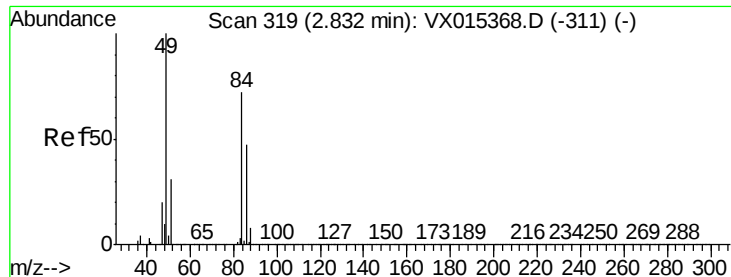
Tot Ion: 56 Resp: 652
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 3.424 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015516.D
Acq: 06 Apr 2020 16:34

Tgt Ion: 43 Resp: 24738
Ion Ratio Lower Upper
43 100
58 25.0 22.1 33.1

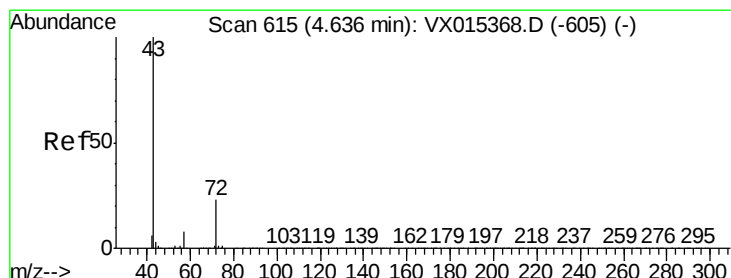
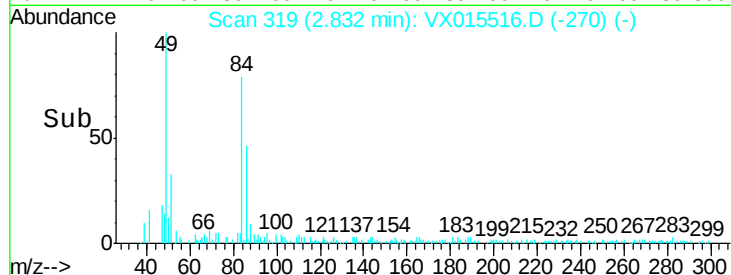
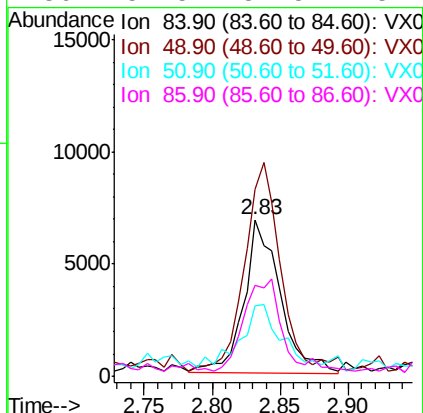
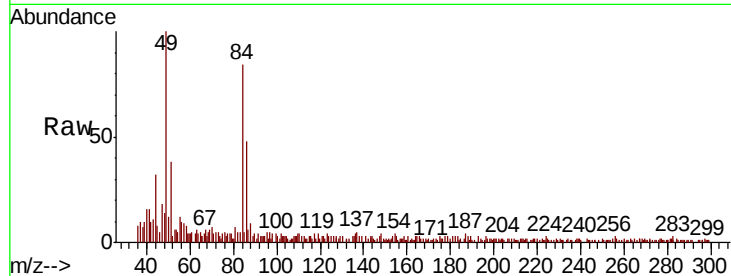




#20
Methvlene Chloride
Concen: 0.951 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.00 min
Lab File: VX015516.D
Acq: 06 Apr 2020 16:34

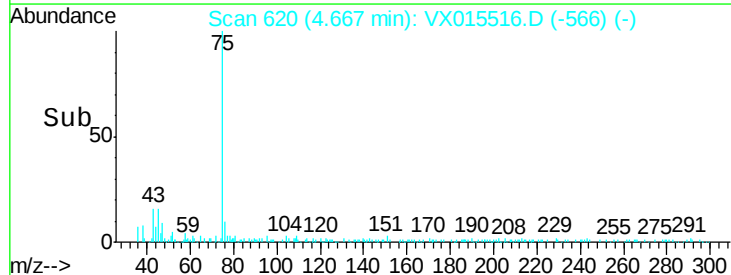
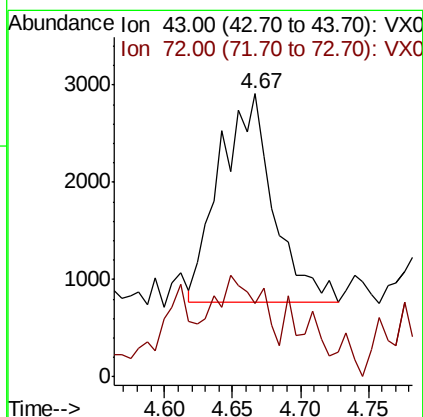
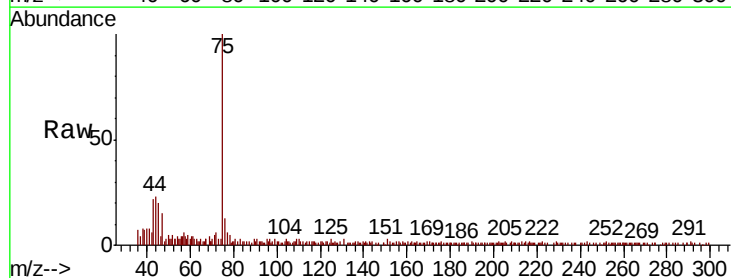
Instrument :
MSVOA_X
ClientSampled :
PB128019TB

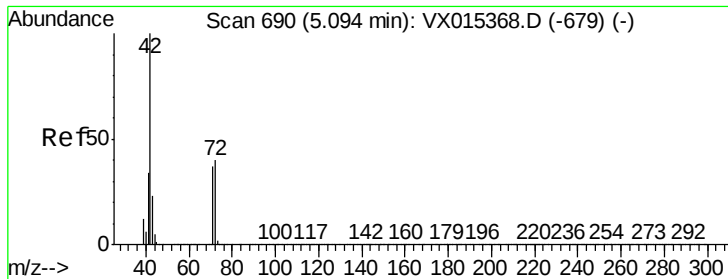
Tot Ion:	84	Resp:	12834
Ion	Ratio	Lower	Upper
84	100		
49	119.6	111.3	166.9
51	36.0	34.0	51.0
86	54.5	52.5	78.7



#25
2-Butanone
Concen: 0.504 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.03 min
Lab File: VX015516.D
Acq: 06 Apr 2020 16:34

Tgt Ion:	43	Resp:	5852
Ion	Ratio	Lower	Upper
43	100		
72	23.4	19.0	28.4





#29

Tetrahydrofuran

Concen: 0.859 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.02 min

Lab File: VX015516.D

Acq: 06 Apr 2020 16:34

Instrument :

MSVOA_X

ClientSampled :

PB128019TB

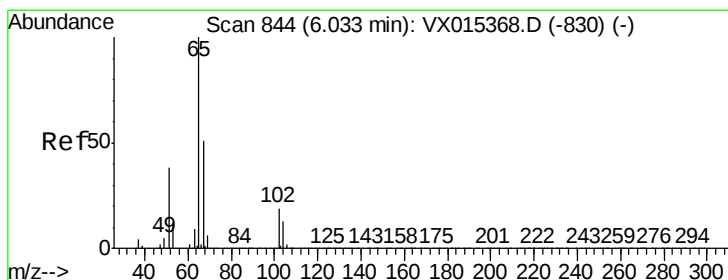
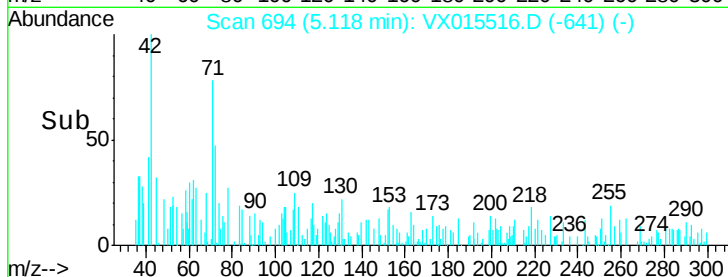
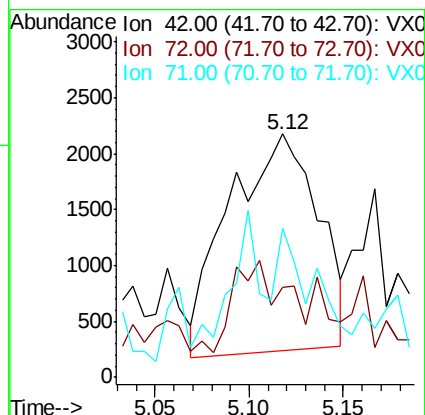
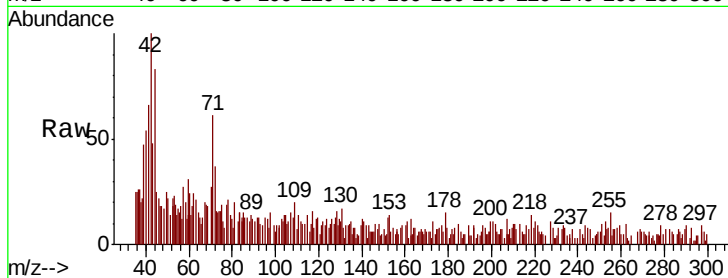
Tot Ion: 42 Resp: 6412

Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

71 22.5 29.6 44.4#



#33

1,2-Dichloroethane-d4

Concen: 47.264 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015516.D

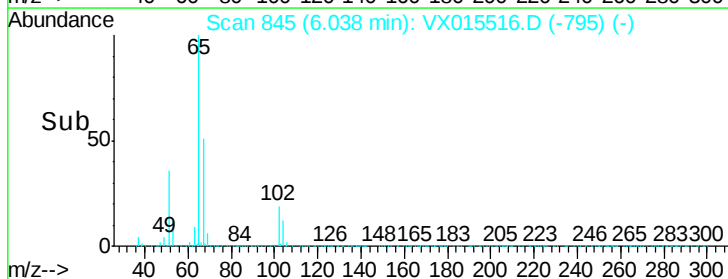
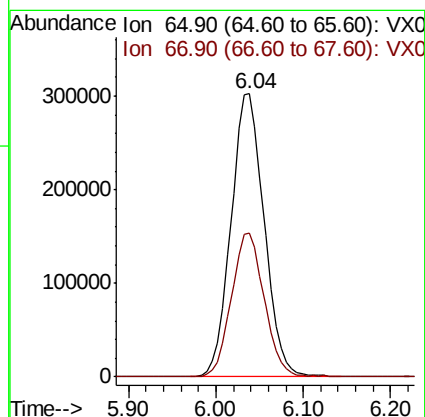
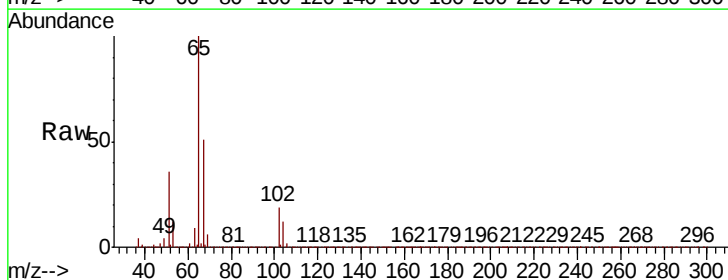
Acq: 06 Apr 2020 16:34

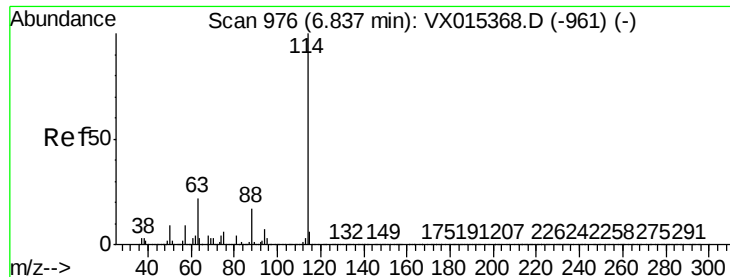
Tgt Ion: 65 Resp: 794727

Ion Ratio Lower Upper

65 100

67 50.2 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: VX015516.D

Acq: 06 Apr 2020 16:34

Instrument :

MSVOA_X

ClientSampled :

PB128019TB

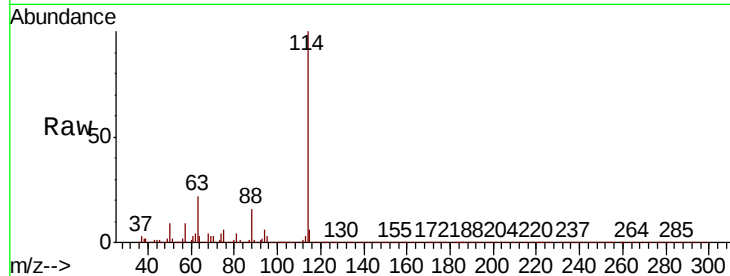
Tot Ion:114 Resp: 1940803

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

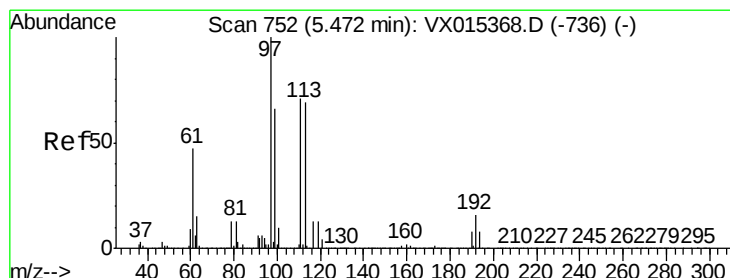
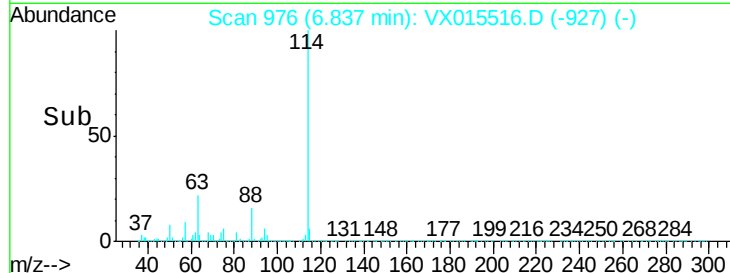
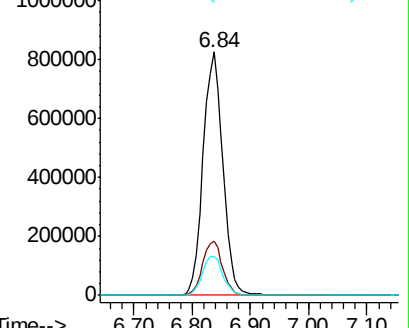
88 15.9 0.0 33.8



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: 48.927 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015516.D

Acq: 06 Apr 2020 16:34

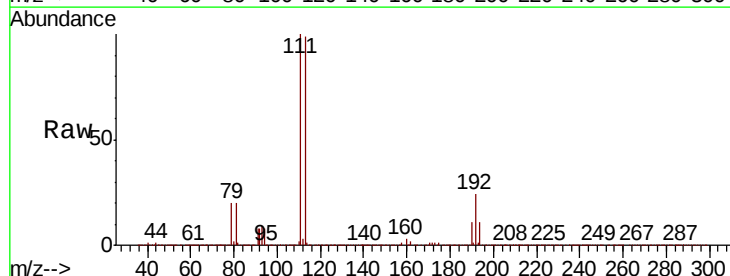
Tgt Ion:113 Resp: 606993

Ion Ratio Lower Upper

113 100

111 103.2 81.5 122.3

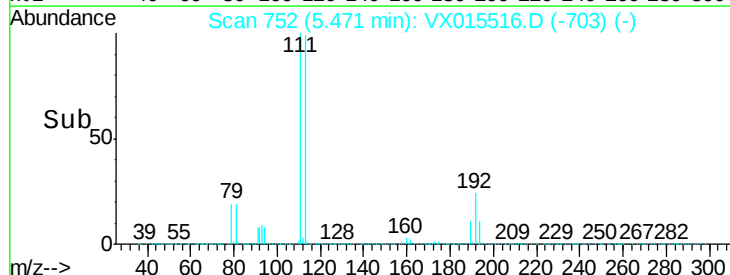
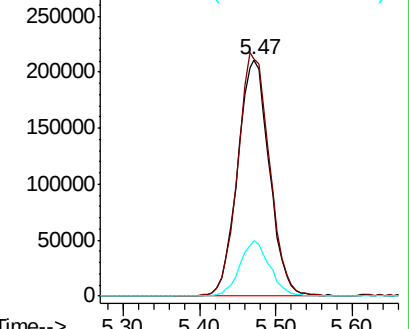
192 22.4 17.8 26.6

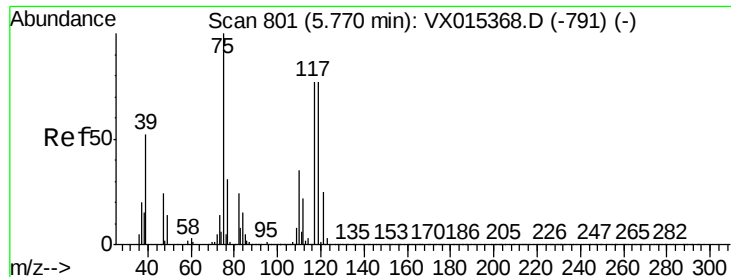


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

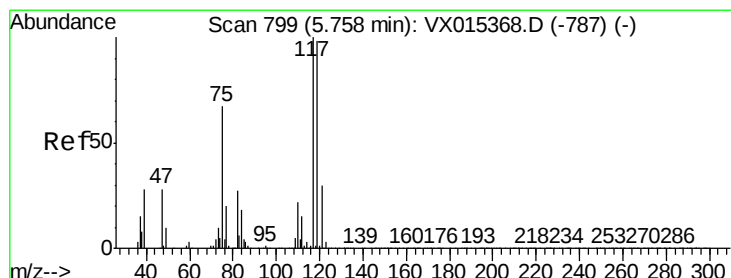
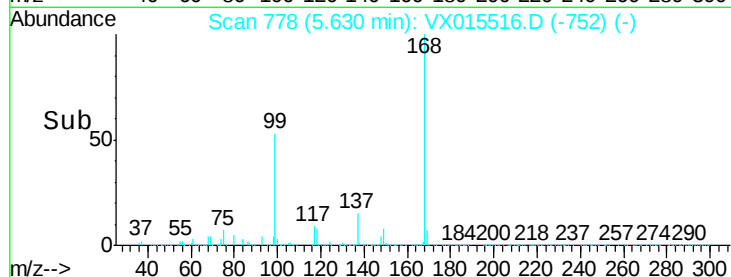
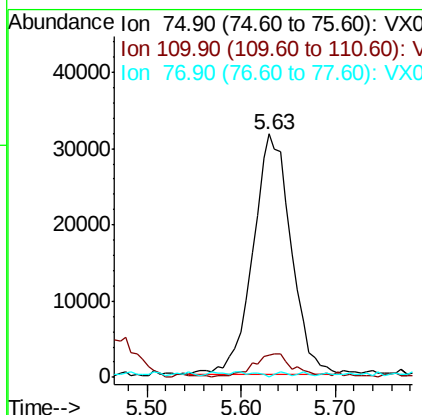
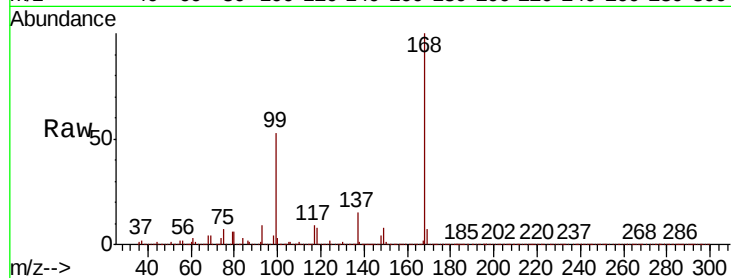




#36
 1,1-Dichloropropene
 Concen: 4.991 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015516.D
 Acq: 06 Apr 2020 16:34

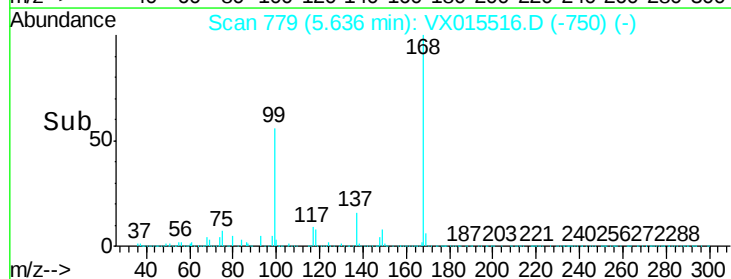
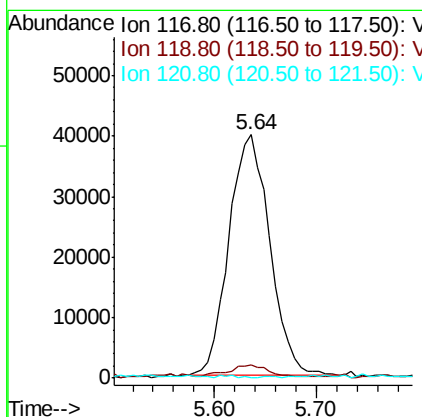
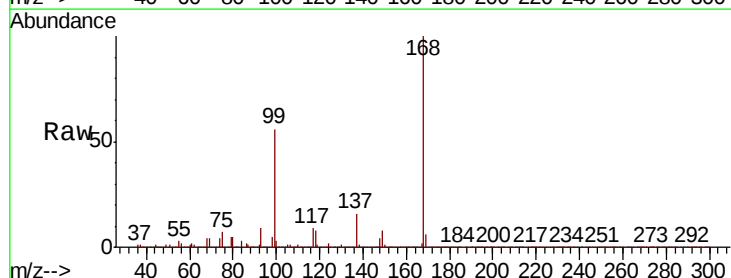
Instrument :
 MSVOA_X
 ClientSampleId :
 PB128019TB

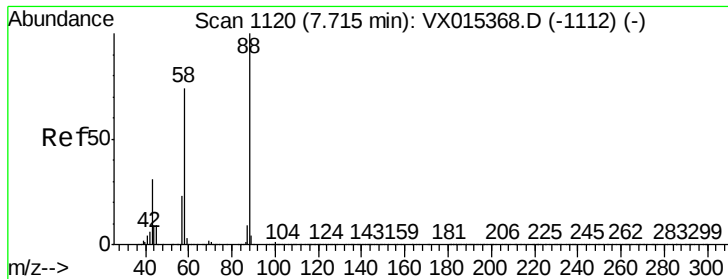
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	17.1	51.3#
77	0.8	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.730 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015516.D
 Acq: 06 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.0	117.0#
121	0.0	23.8	35.8#





#49

1,4-Dioxane

Concen: 2.629 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015516.D

Acq: 06 Apr 2020 16:34

Instrument :

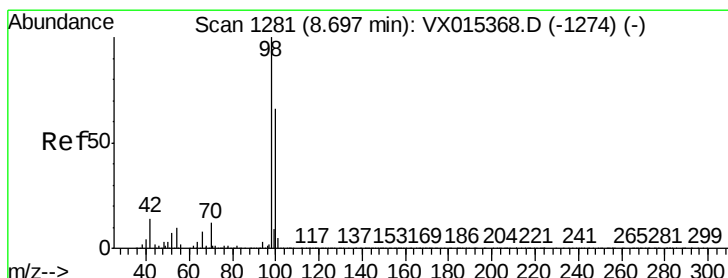
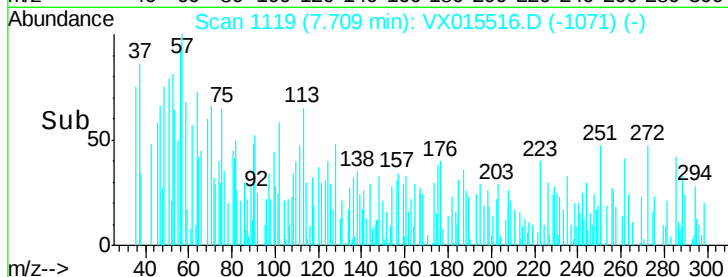
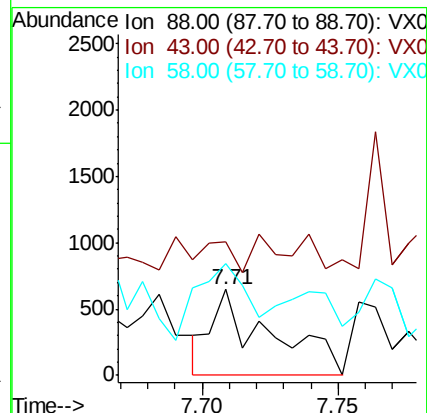
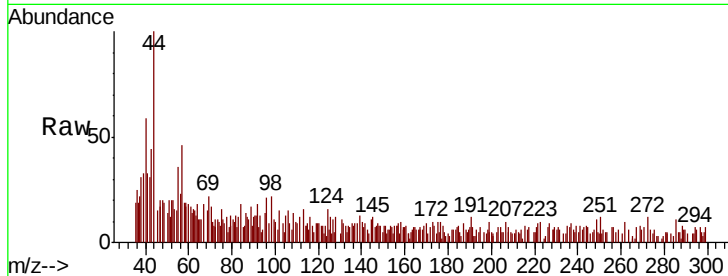
MSVOA_X

ClientSampleId :

PB128019TB

Tot Ion: 88 Resp: 963

Ion	Ratio	Lower	Upper
88	100		
43	21.1	30.1	45.1#
58	76.1	60.6	90.8



#50

Toluene-d8

Concen: 51.171 ug/l

RT: 8.70 min Scan# 1281

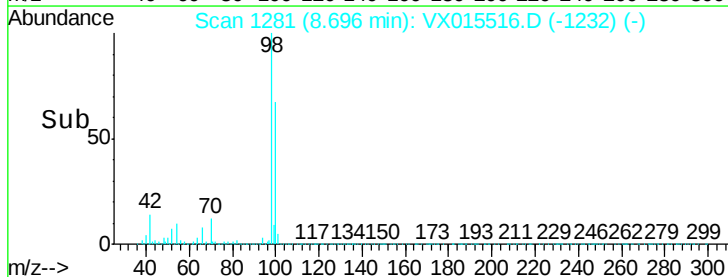
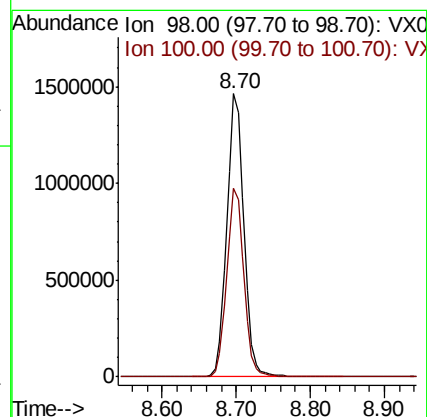
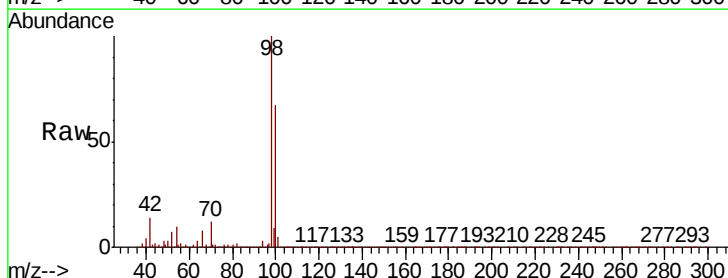
Delta R.T. -0.00 min

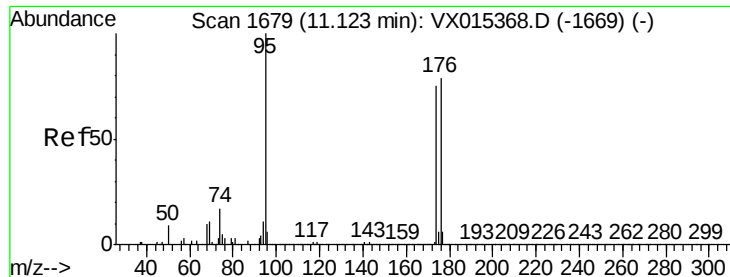
Lab File: VX015516.D

Acq: 06 Apr 2020 16:34

Tgt Ion: 98 Resp: 2337308

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.5	80.3





#62

4-Bromofluorobenzene

Concen: 55.812 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015516.D

Acq: 06 Apr 2020 16:34

Instrument :

MSVOA_X

ClientSampled :

PB128019TB

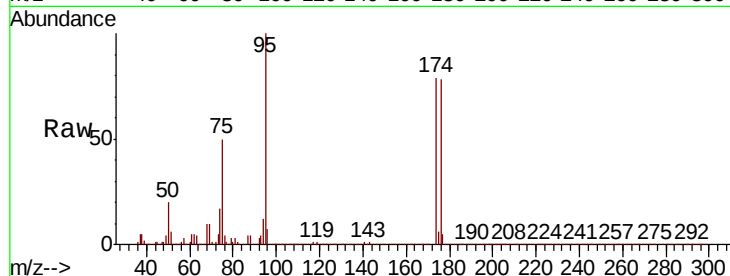
Tot Ion: 95 Resp: 1036037

Ion Ratio Lower Upper

95 100

174 77.2 0.0 158.6

176 77.5 0.0 159.0



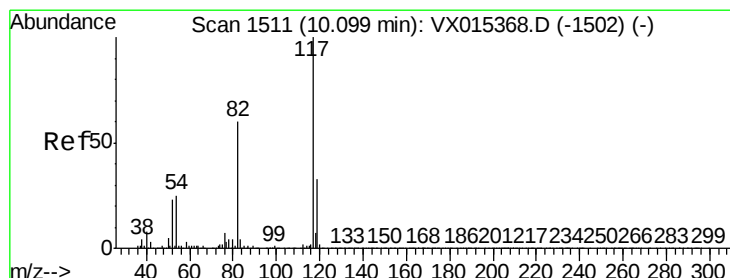
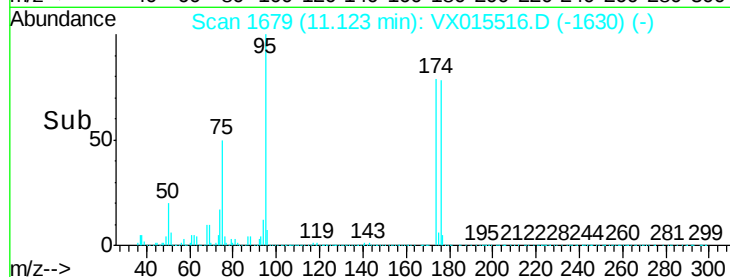
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015516.D

Acq: 06 Apr 2020 16:34

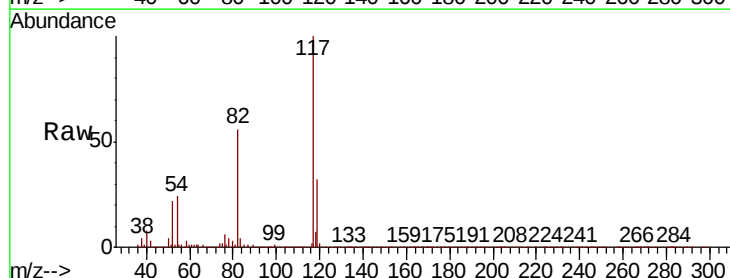
Tgt Ion: 117 Resp: 1875073

Ion Ratio Lower Upper

117 100

82 56.3 47.8 71.8

119 32.1 26.8 40.2



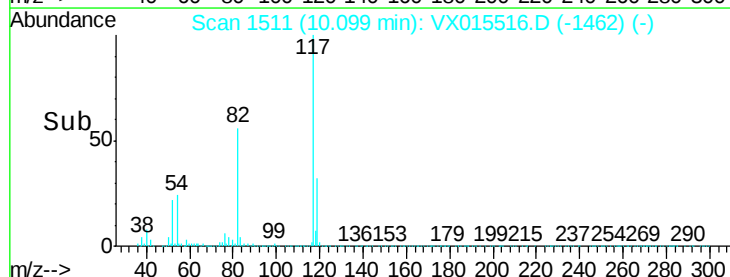
Abundance Ion 116.90 (116.60 to 117.60): V

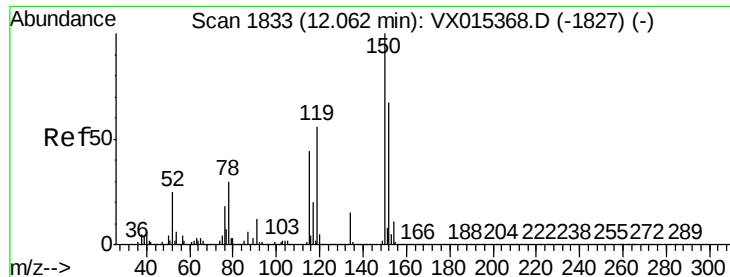
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

10.10

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015516.D

Acq: 06 Apr 2020 16:34

Instrument :

MSVOA_X

ClientSampleId :

PB128019TB

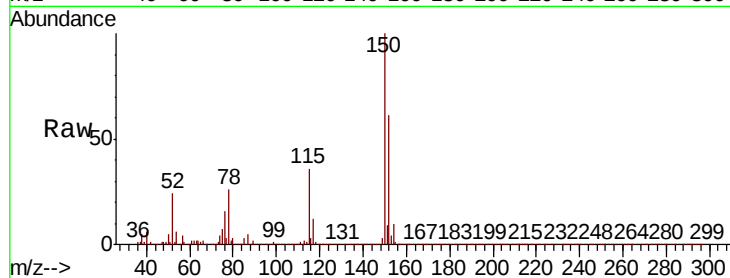
Tot Ion:152 Resp: 1064633

Ion Ratio Lower Upper

152 100

115 56.2 39.0 116.9

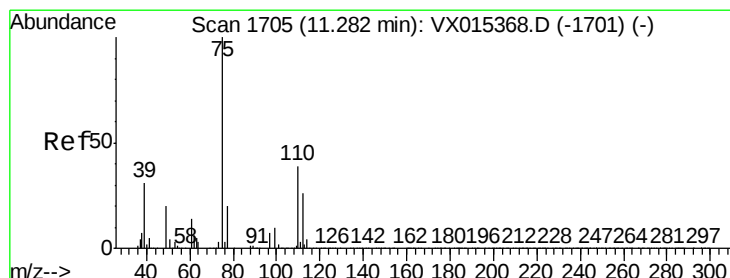
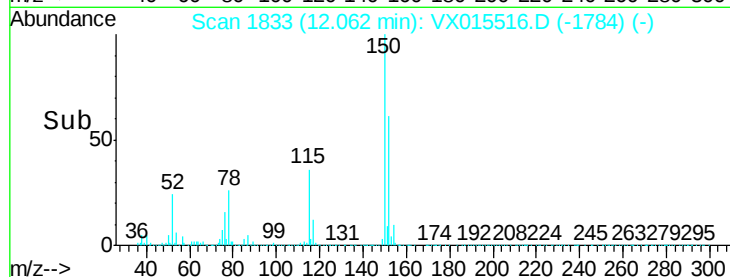
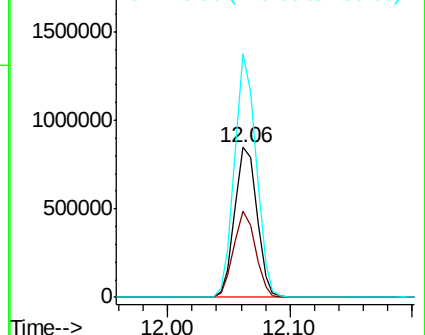
150 156.8 0.0 340.8



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



#76

1,2,3-Trichloropropane

Concen: 24.233 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015516.D

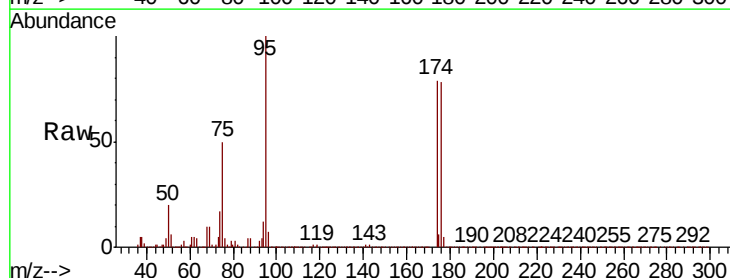
Acq: 06 Apr 2020 16:34

Tgt Ion: 75 Resp: 530536

Ion Ratio Lower Upper

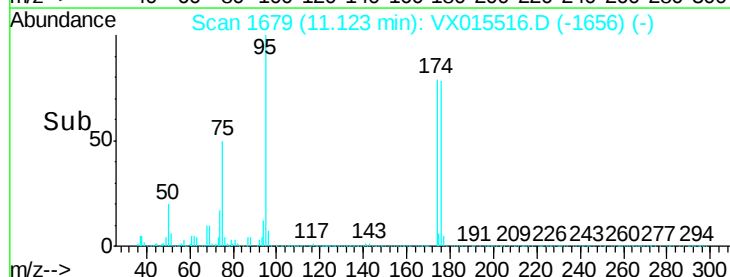
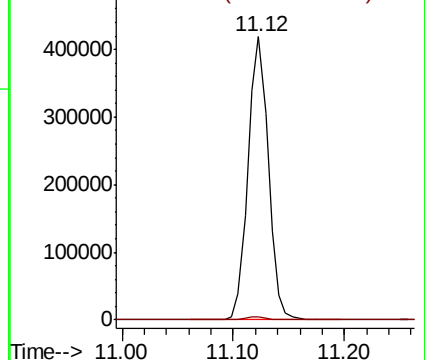
75 100

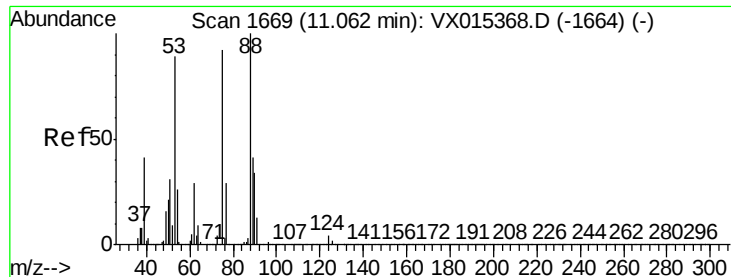
77 1.2 21.2 63.6#



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: 58.145 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015516.D

Acq: 06 Apr 2020 16:34

Instrument :

MSVOA_X

ClientSampleId :

PB128019TB

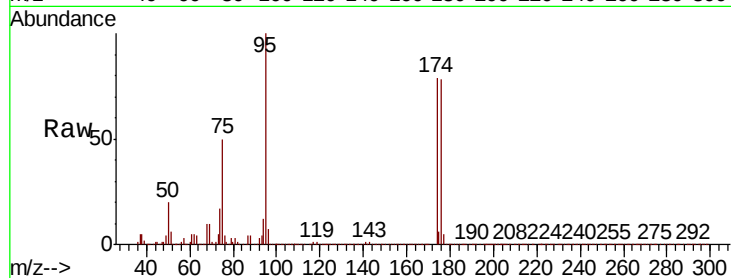
Tot Ion: 75 Resp: 530536

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

