

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
 Data File : VX011800.D
 Acq On : 23 Aug 2019 16:04
 Operator : JC/SP
 Sample : PB122483TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB122483TB

Quant Time: Aug 26 01:55:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	485152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	636612	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	566480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	280334	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	207312	42.54	ug/l	0.00
Spiked Amount			Recovery	=	85.08%	
35) Dibromofluoromethane	5.49	113	188714	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
50) Toluene-d8	8.71	98	730690	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.13	95	249872	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	

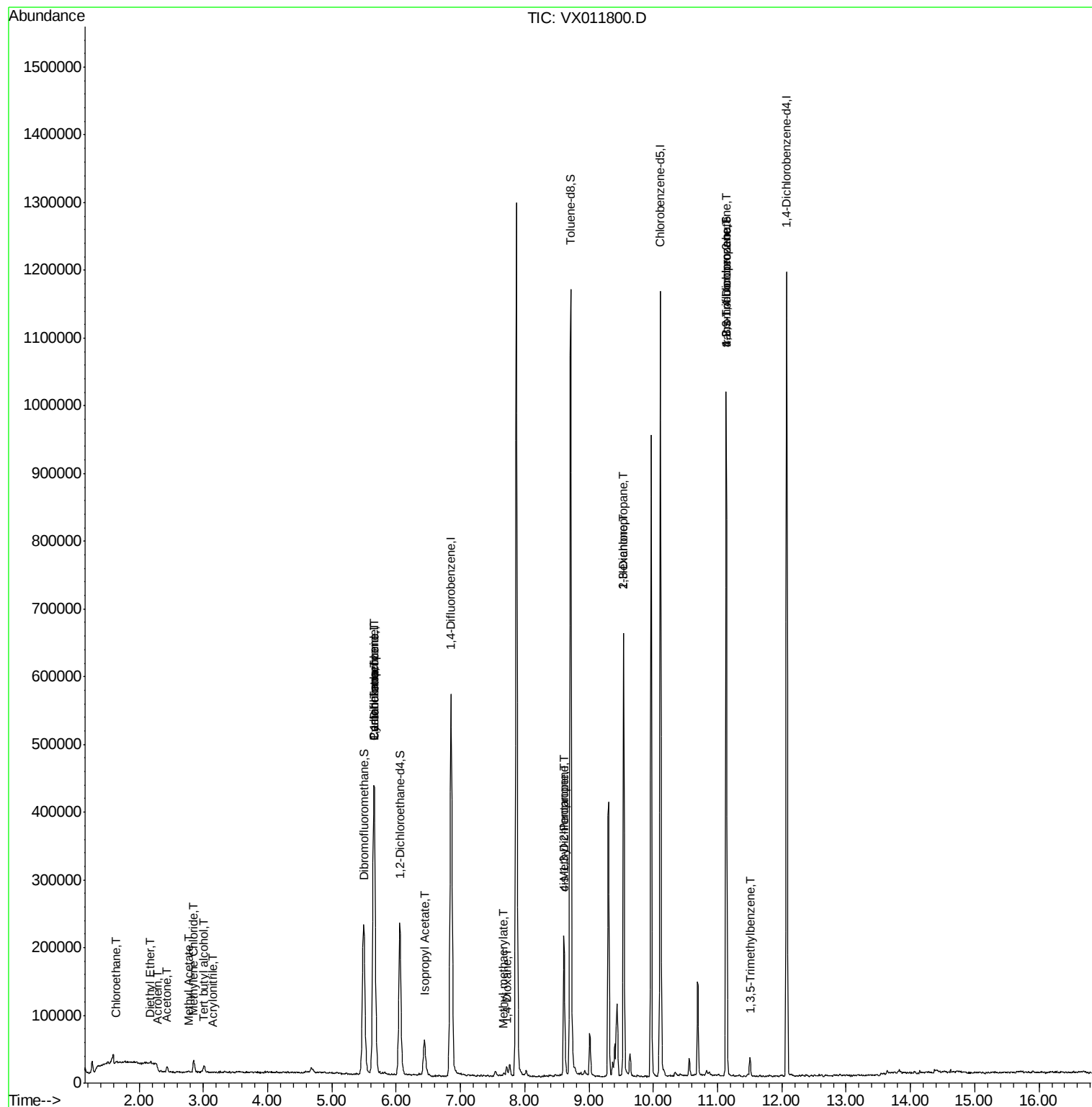
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.63	64	614	0.265	ug/l #	44
8) Diethyl Ether	2.17	74	1181	0.550	ug/l	59
11) Tert butyl alcohol	3.01	59	5713	5.932	ug/l #	86
13) Acrolein	2.29	56	158	0.424	ug/l #	16
15) Acrylonitrile	3.14	53	495	0.225	ug/l #	21
16) Acetone	2.43	43	8517	4.017	ug/l	95
18) Methyl Acetate	2.76	43	2803	0.487	ug/l	93
20) Methylene Chloride	2.85	84	8744	2.017	ug/l #	96
31) Cyclohexane	5.65	56	6651	1.110	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	25690	5.146	ug/l #	41
38) Carbon Tetrachloride	5.66	117	39955	7.062	ug/l #	16
43) Isopropyl Acetate	6.44	43	71616	8.376	ug/l	98
48) Methyl methacrylate	7.67	41	4549	1.069	ug/l #	15
49) 1,4-Dioxane	7.73	88	34	0.288	ug/l #	26
51) 4-Methyl-2-Pentanone	8.61	43	67879	12.048	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	34201	5.797	ug/l #	56
57) 1,3-Dichloropropane	9.54	76	6823	1.015	ug/l #	47
59) 2-Hexanone	9.54	43	76262	17.635	ug/l #	53
76) 1,2,3-Trichloropropane	11.13	75	111103	22.587	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	12759	0.905	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	111103	68.116	ug/l #	11

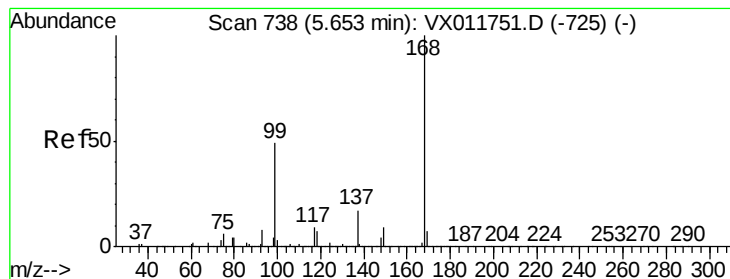
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
Data File : VX011800.D
Acq On : 23 Aug 2019 16:04
Operator : JC/SP
Sample : PB122483TB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
PB122483TB

Quant Time: Aug 26 01:55:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:48:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011800.D

Acq: 23 Aug 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

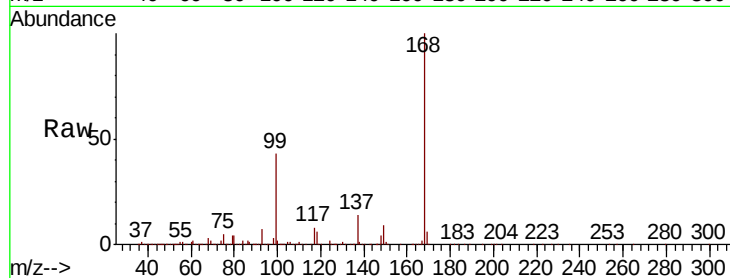
PB122483TB

Tgt Ion:168 Resp: 485152

Ion Ratio Lower Upper

168 100

99 43.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

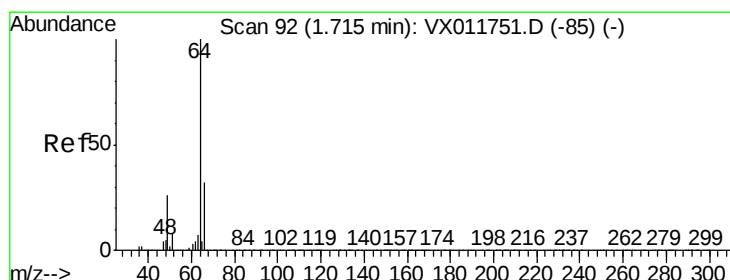
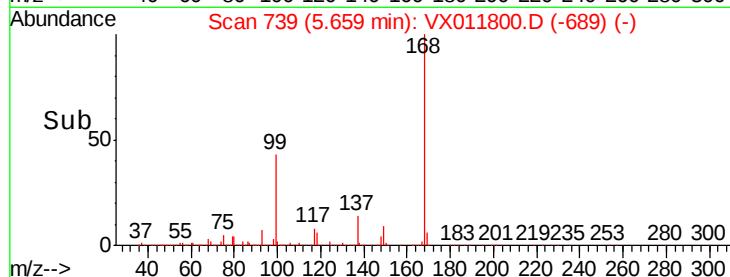
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: 0.265 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.09 min

Lab File: VX011800.D

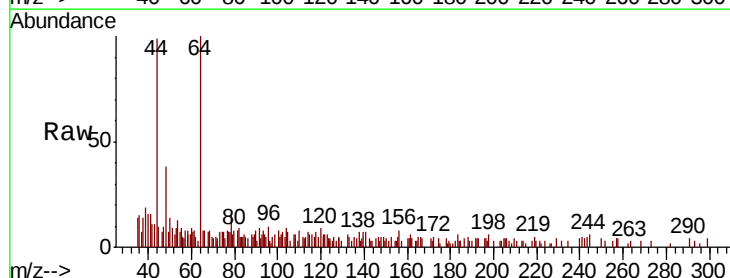
Acq: 23 Aug 2019 16:04

Tgt Ion: 64 Resp: 614

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2500

2000

1500

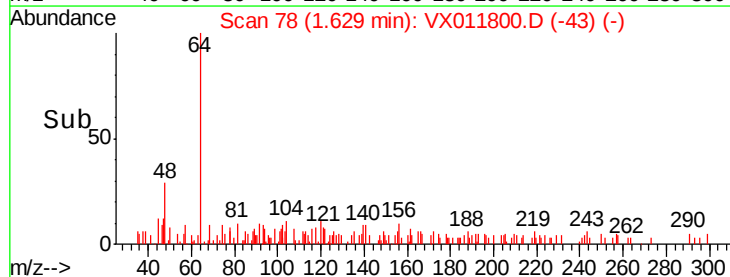
1000

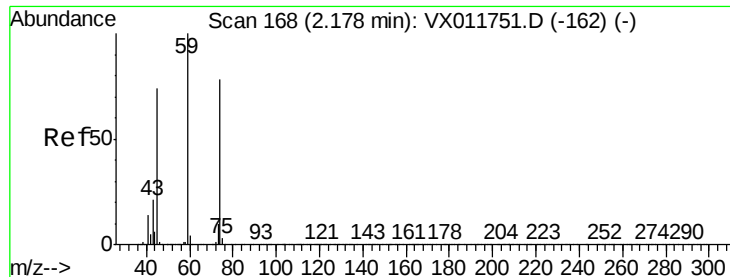
500

0

1.62 1.64 1.66

Time-->





#8

Diethyl Ether

Concen: 0.550 ug/l

RT: 2.17 min Scan# 167

Delta R.T. -0.01 min

Lab File: VX011800.D

Acq: 23 Aug 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

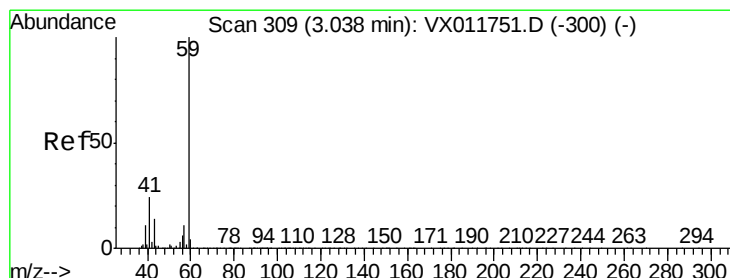
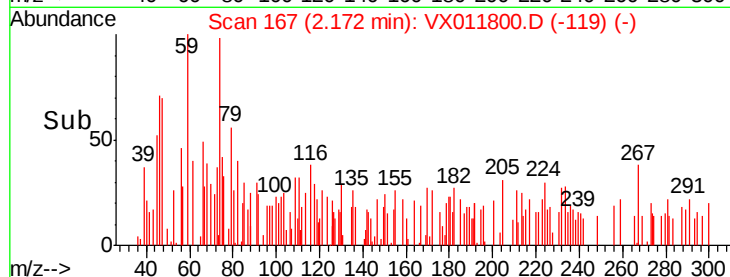
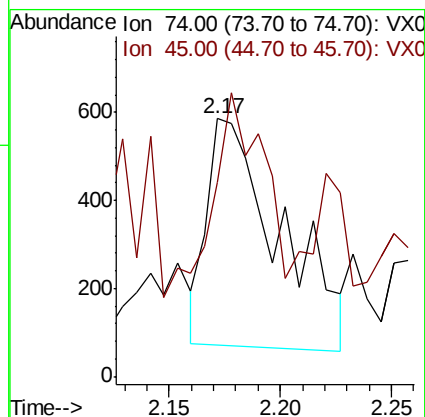
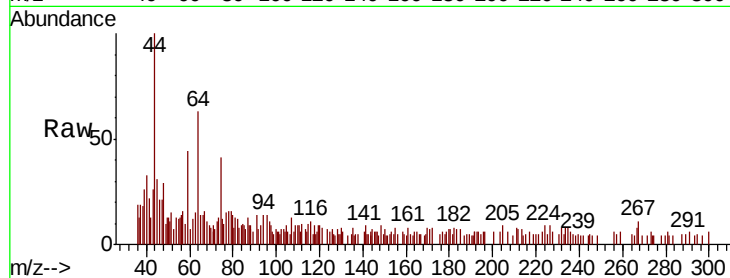
PB122483TB

Tgt Ion: 74 Resp: 1181

Ion Ratio Lower Upper

74 100

45 54.1 46.7 140.0



#11

Tert butyl alcohol

Concen: 5.932 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.03 min

Lab File: VX011800.D

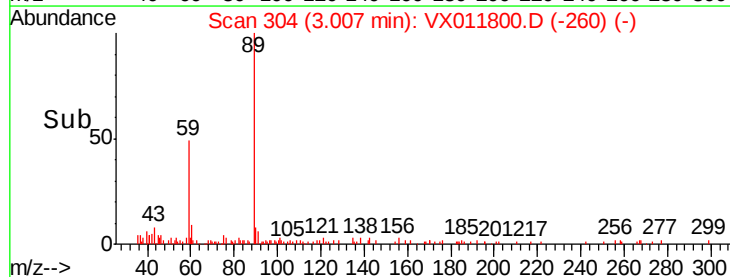
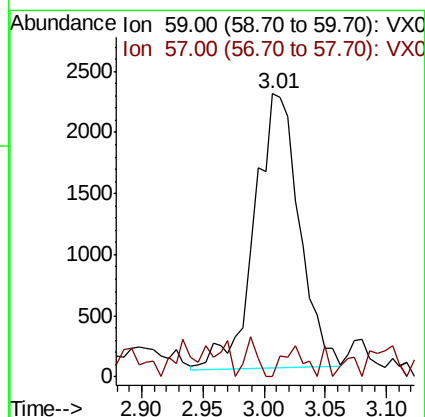
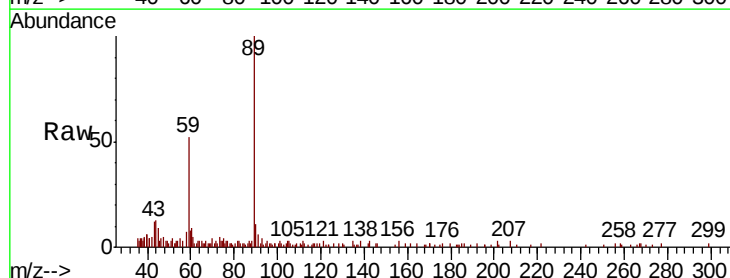
Acq: 23 Aug 2019 16:04

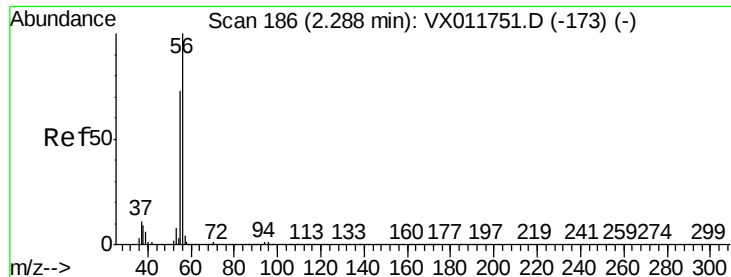
Tgt Ion: 59 Resp: 5713

Ion Ratio Lower Upper

59 100

57 5.2 8.4 12.6#





#13

Acrolein

Concen: 0.424 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX011800.D

Acq: 23 Aug 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

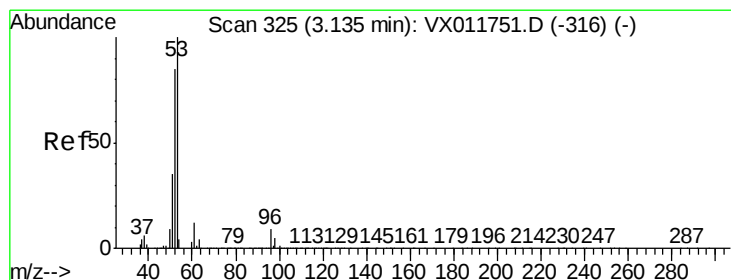
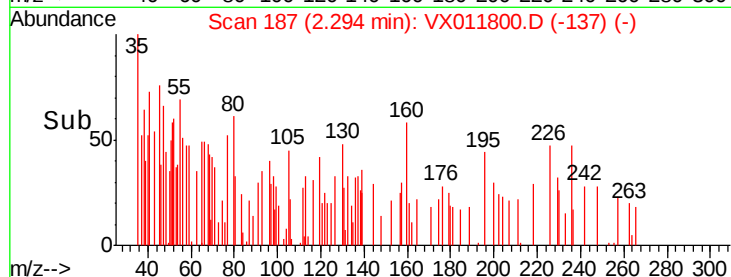
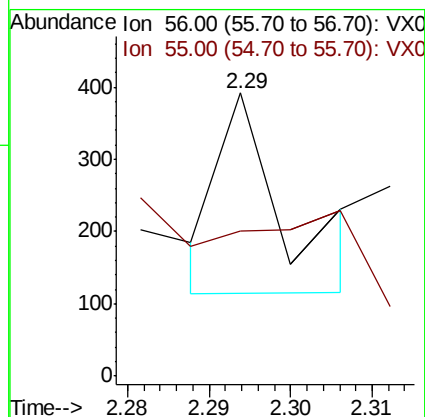
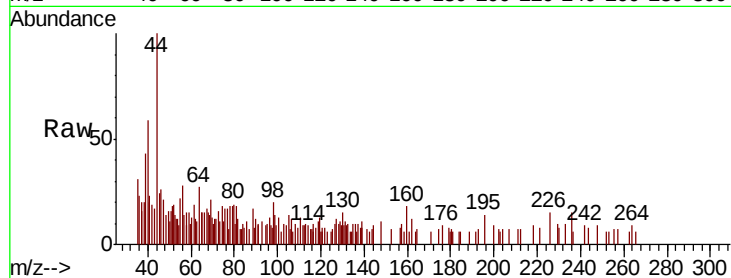
PB122483TB

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#



#15

Acrylonitrile

Concen: 0.225 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX011800.D

Acq: 23 Aug 2019 16:04

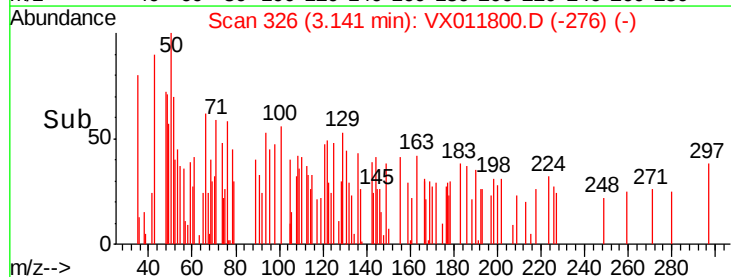
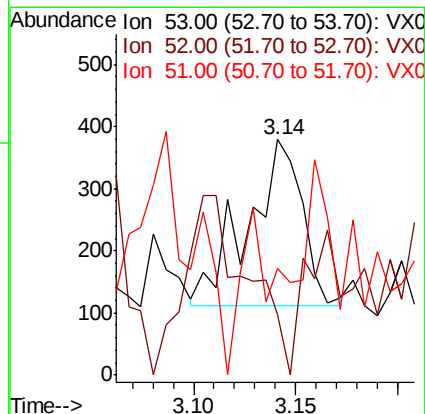
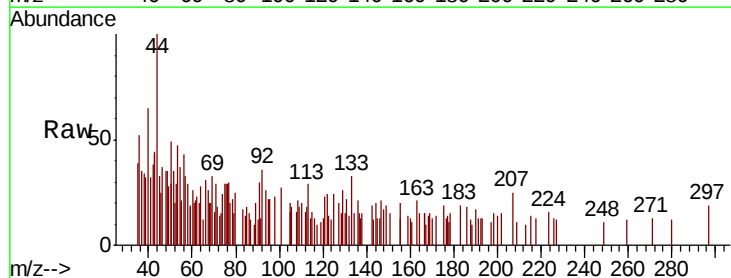
Tgt Ion: 53 Resp: 495

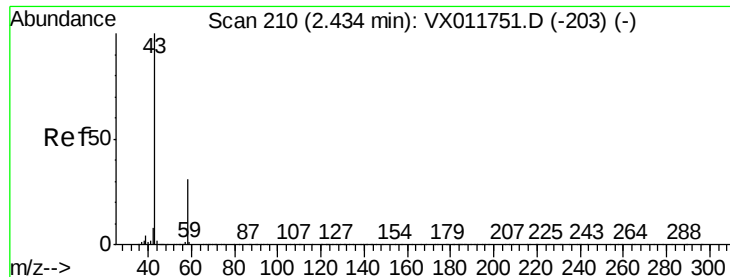
Ion Ratio Lower Upper

53 100

52 0.0 65.7 98.5#

51 64.4 28.6 43.0#

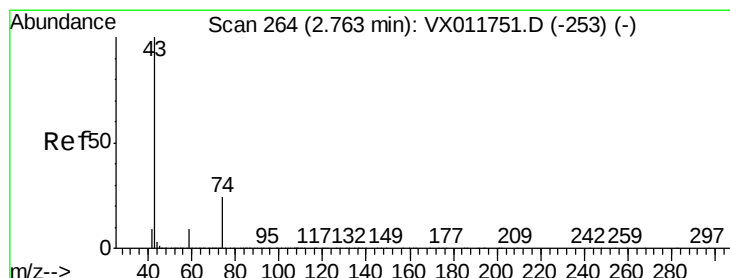
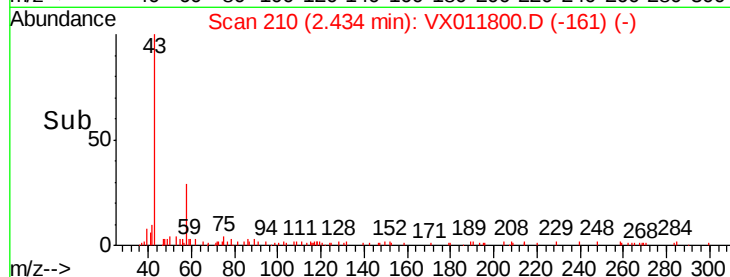
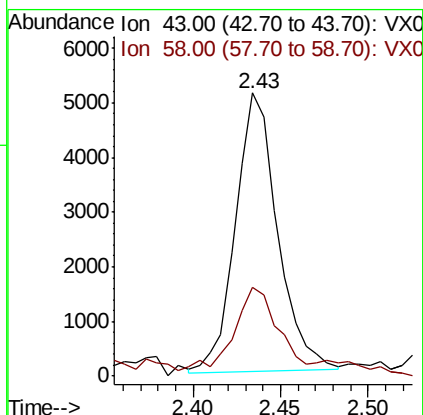
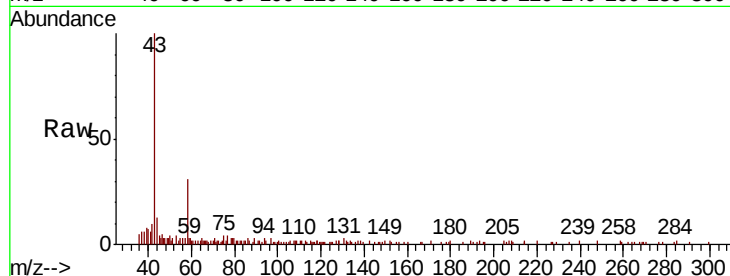




#16
Acetone
Concen: 4.017 ug/l
RT: 2.43 min Scan# 210
Delta R.T. -0.00 min
Lab File: VX011800.D
Acq: 23 Aug 2019 16:04

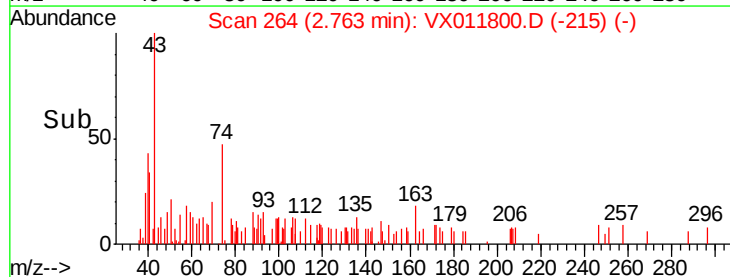
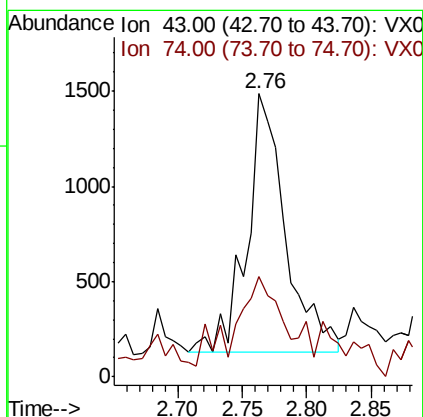
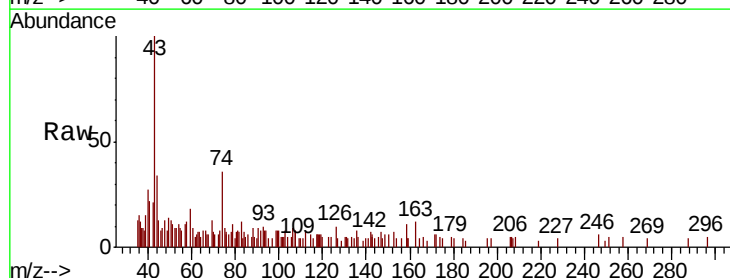
Instrument :
MSVOA_X
ClientSampleId :
PB122483TB

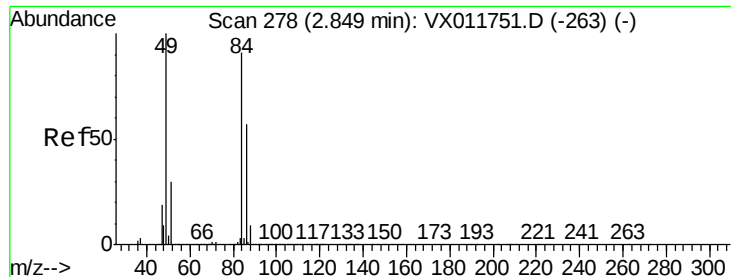
Tgt Ion: 43 Resp: 8517
Ion Ratio Lower Upper
43 100
58 27.6 24.4 36.6



#18
Methyl Acetate
Concen: 0.487 ug/l
RT: 2.76 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX011800.D
Acq: 23 Aug 2019 16:04

Tgt Ion: 43 Resp: 2803
Ion Ratio Lower Upper
43 100
74 28.0 19.5 29.3

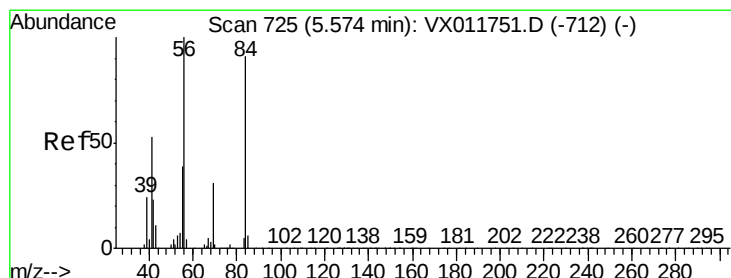
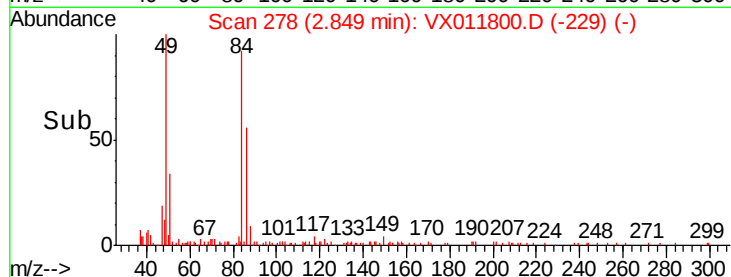
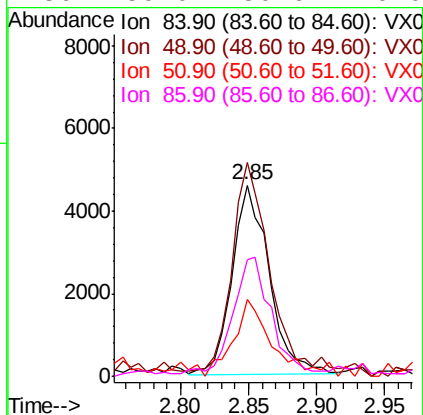
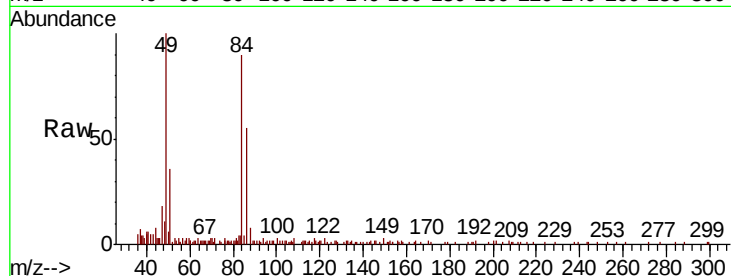




#20
Methylene Chloride
Concen: 2.017 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011800.D
Acq: 23 Aug 2019 16:04

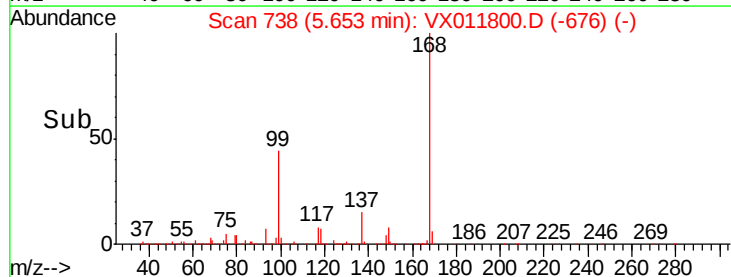
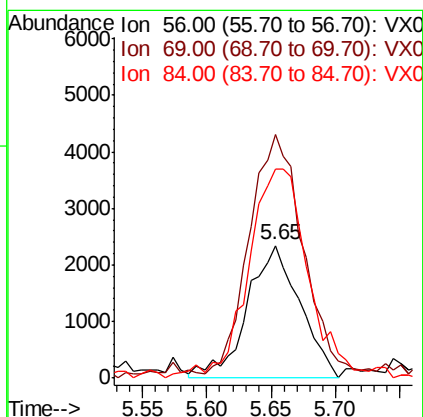
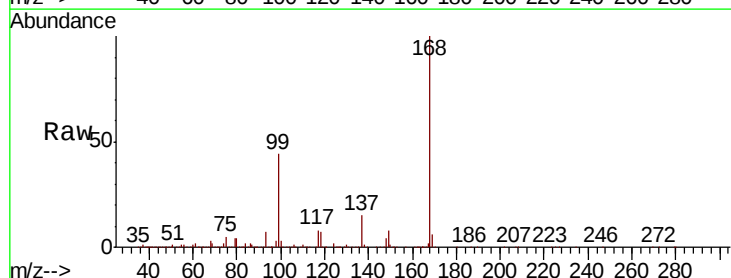
Instrument :
MSVOA_X
ClientSampleId :
PB122483TB

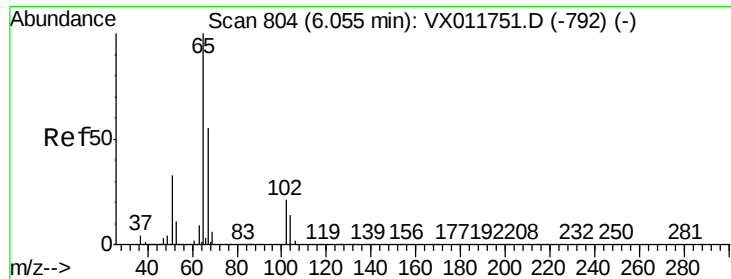
Tgt Ion:	84	Resp:	8744
Ion	Ratio	Lower	Upper
84	100		
49	110.9	88.3	132.5
51	40.7	26.2	39.2#
86	59.0	50.6	76.0



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX011800.D
Acq: 23 Aug 2019 16:04

Tgt Ion:	56	Resp:	6651
Ion	Ratio	Lower	Upper
56	100		
69	182.8	24.5	36.7#
84	157.2	72.7	109.1#





#33

1,2-Dichloroethane-d4

Concen: 42.537 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011800.D

Acq: 23 Aug 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

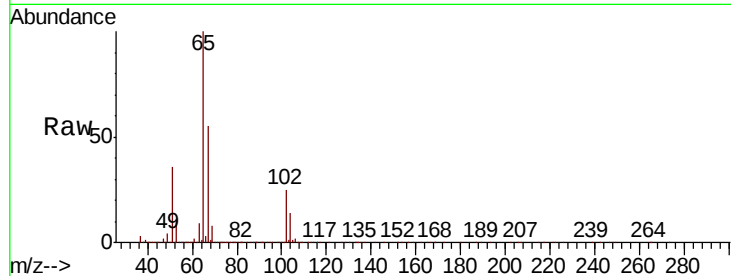
PB122483TB

Tgt Ion: 65 Resp: 207312

Ion Ratio Lower Upper

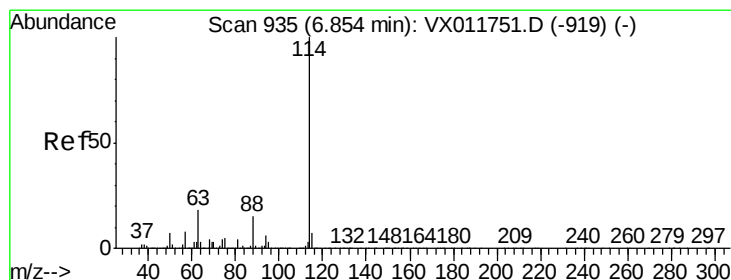
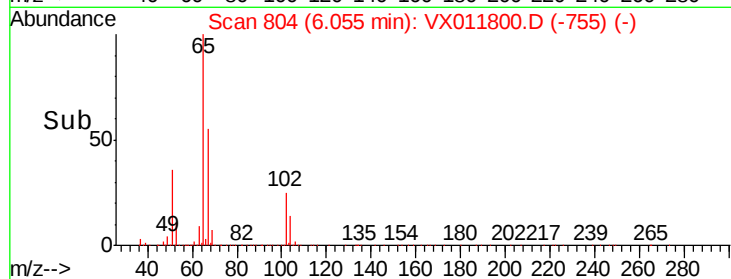
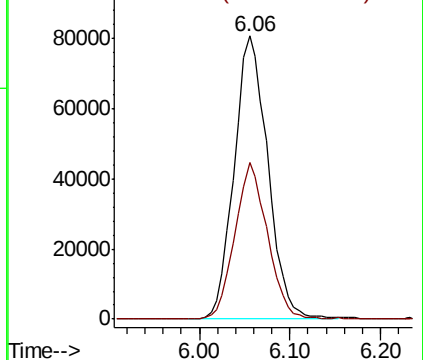
65 100

67 53.2 0.0 107.8



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: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011800.D

Acq: 23 Aug 2019 16:04

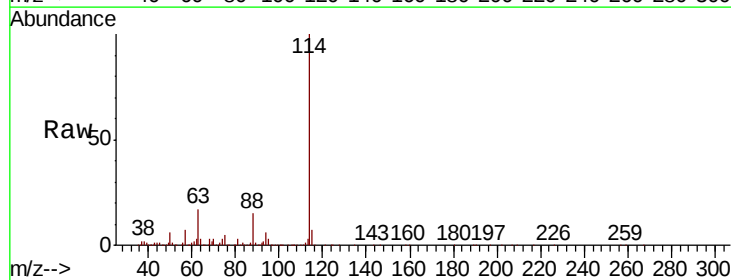
Tgt Ion: 114 Resp: 636612

Ion Ratio Lower Upper

114 100

63 17.0 0.0 36.8

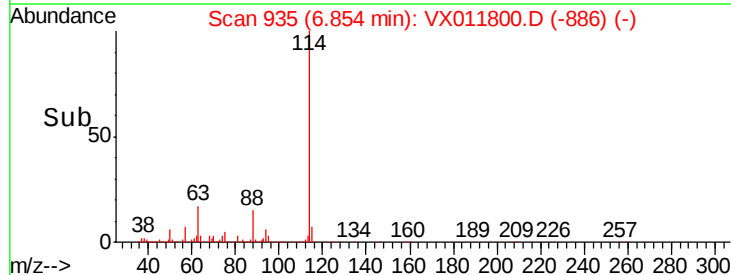
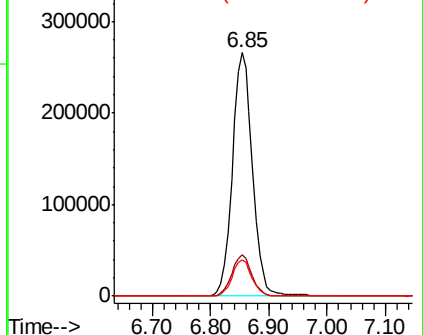
88 14.7 0.0 30.2

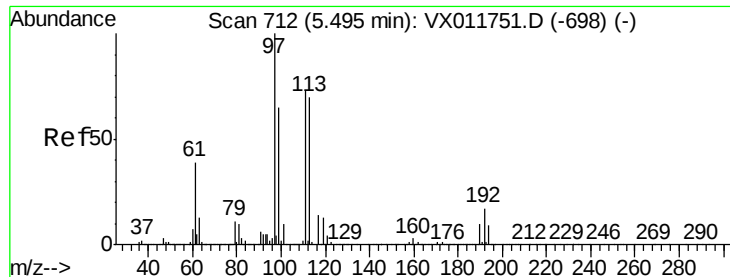


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.842 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011800.D

Acq: 23 Aug 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

PB122483TB

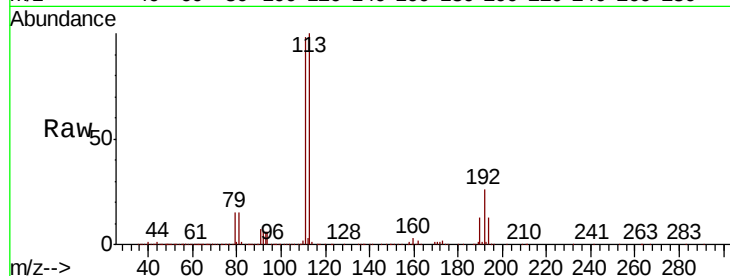
Tgt Ion:113 Resp: 188714

Ion Ratio Lower Upper

113 100

111 101.2 81.0 121.4

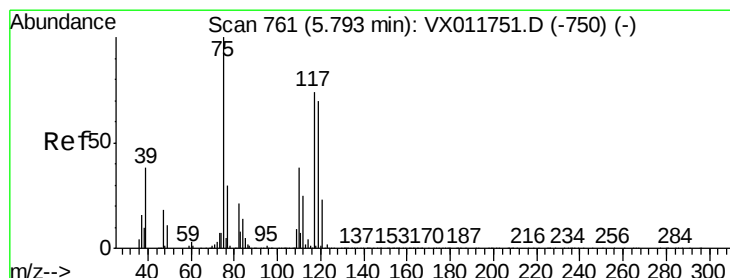
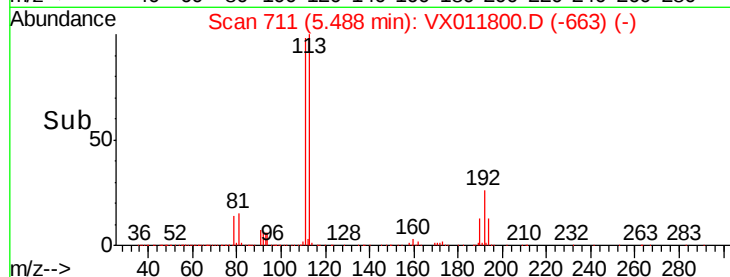
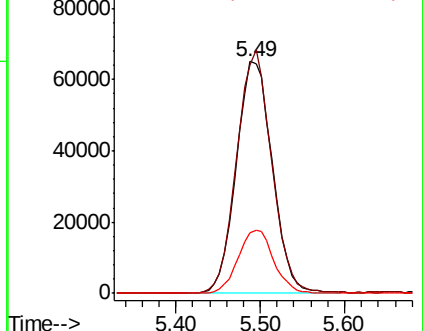
192 27.0 19.9 29.9



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: 5.146 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011800.D

Acq: 23 Aug 2019 16:04

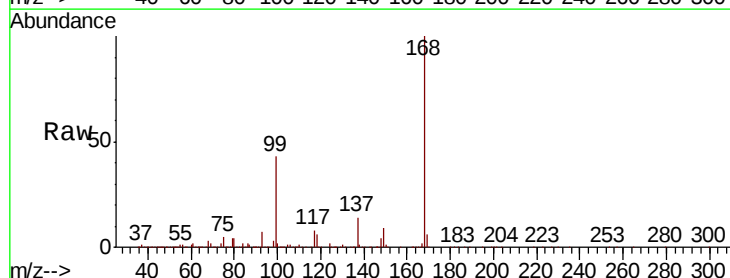
Tgt Ion: 75 Resp: 25690

Ion Ratio Lower Upper

75 100

110 0.0 19.0 57.0#

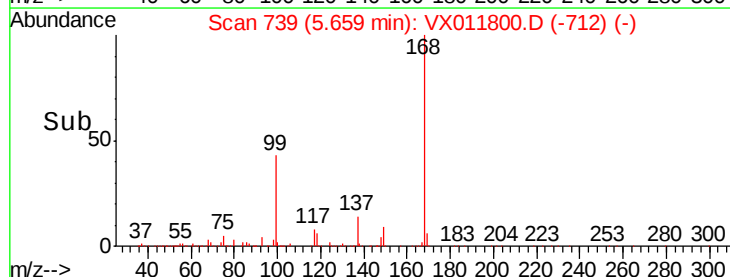
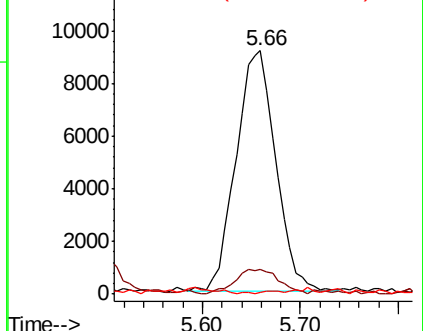
77 0.8 24.6 36.8#

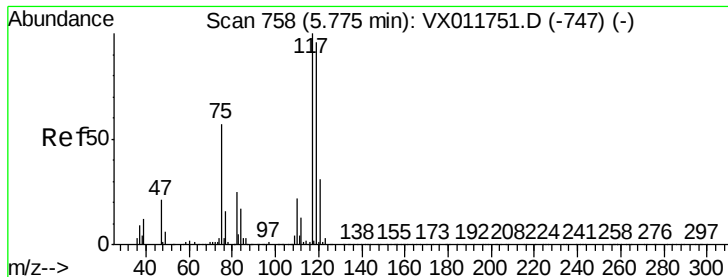


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.062 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011800.D

Acq: 23 Aug 2019 16:04

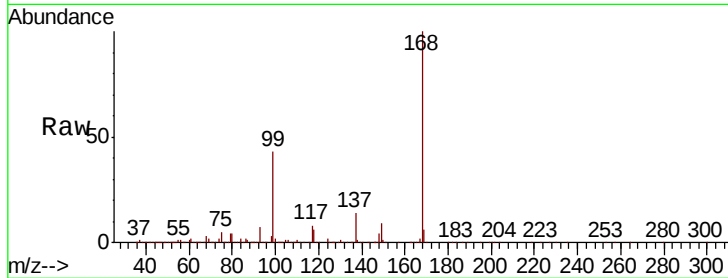
Instrument :

MSVOA_X

ClientSampleId :

PB122483TB

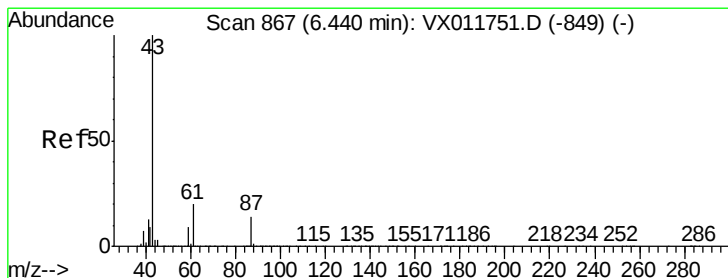
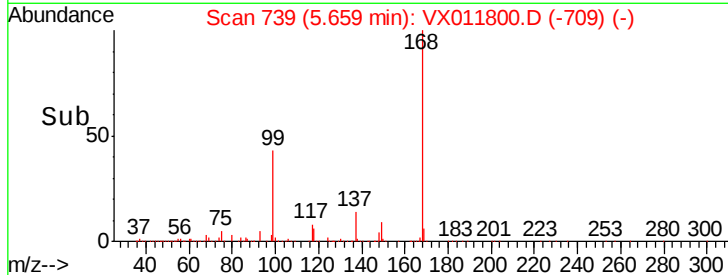
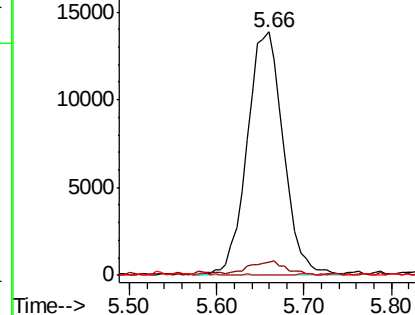
Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.6	114.8#
121	0.0	25.2	37.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 8.376 ug/l

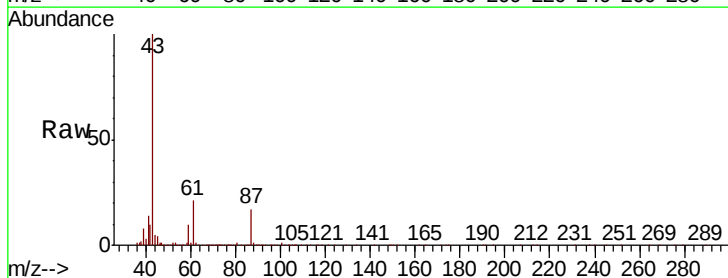
RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011800.D

Acq: 23 Aug 2019 16:04

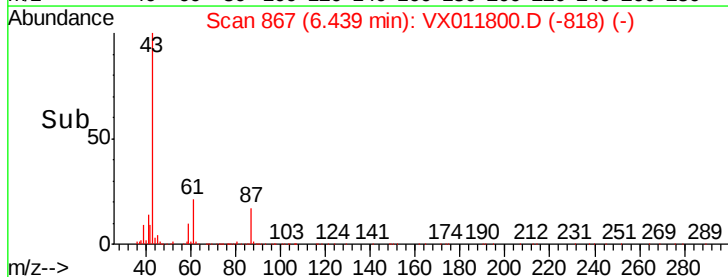
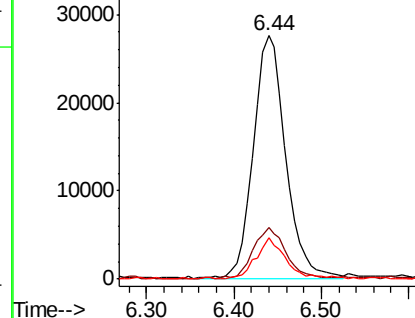
Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.8	16.2	24.2
87	14.6	11.6	17.4

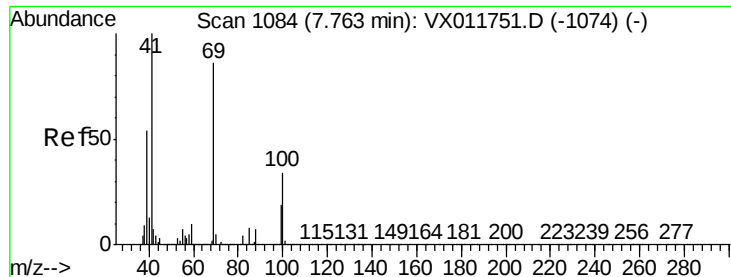


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

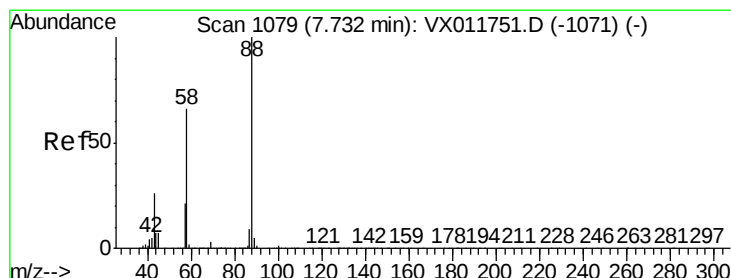
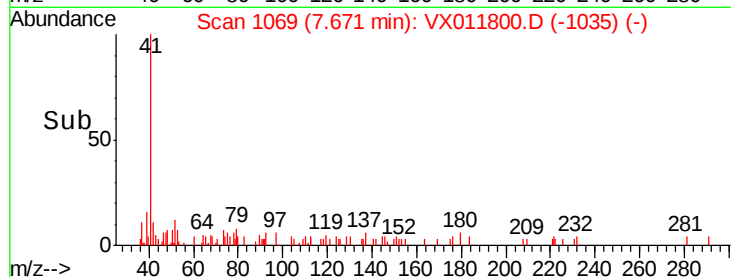
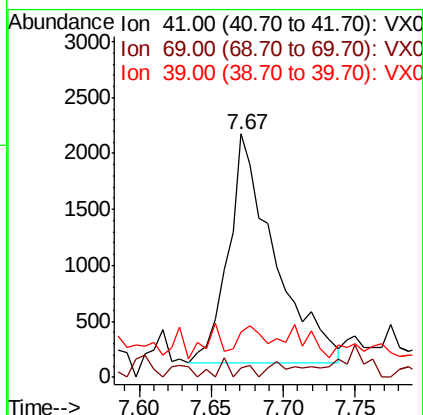
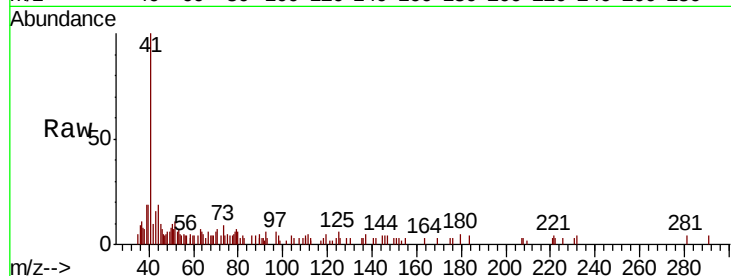




#48
Methyl methacrylate
Concen: 1.069 ug/l
RT: 7.67 min Scan# 1069
Delta R.T. -0.09 min
Lab File: VX011800.D
Acq: 23 Aug 2019 16:04

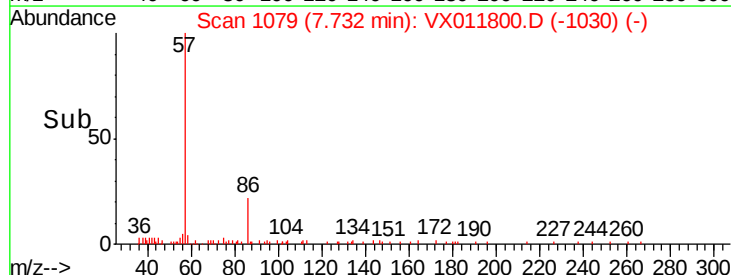
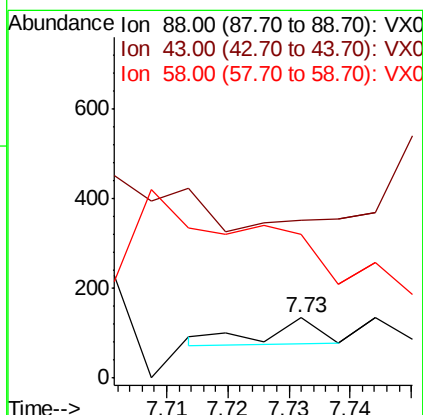
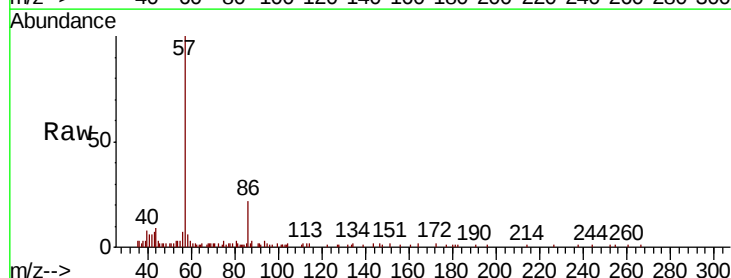
Instrument :
MSVOA_X
ClientSampleId :
PB122483TB

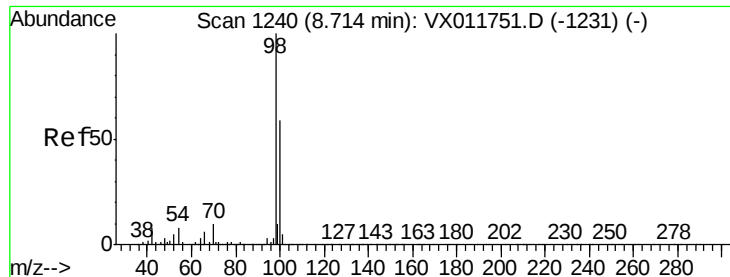
Tgt Ion: 41 Resp: 4549
Ion Ratio Lower Upper
41 100
69 2.7 69.4 104.2#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 0.288 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VX011800.D
Acq: 23 Aug 2019 16:04

Tgt Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 0.0 51.4 77.2#

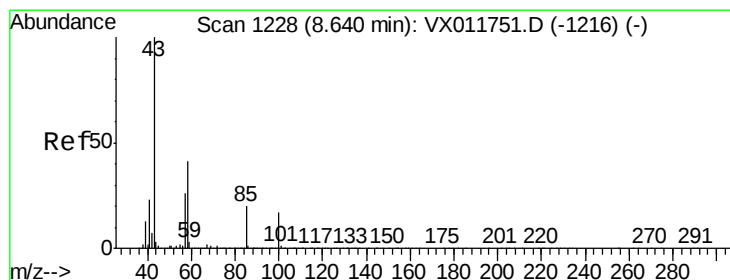
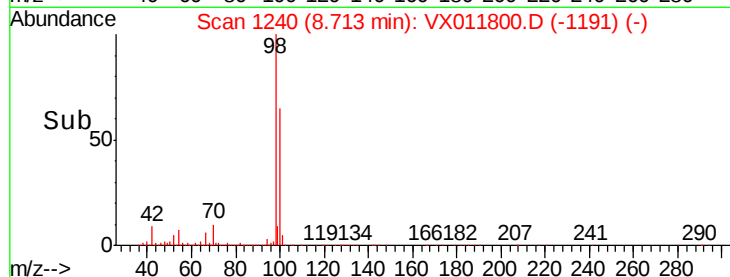
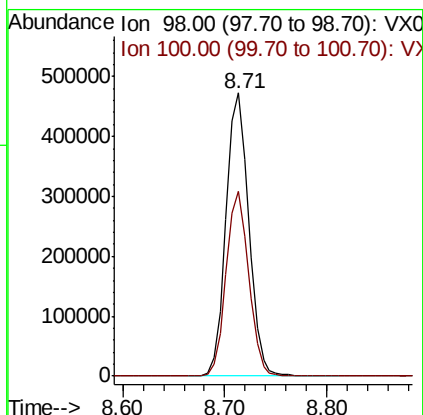
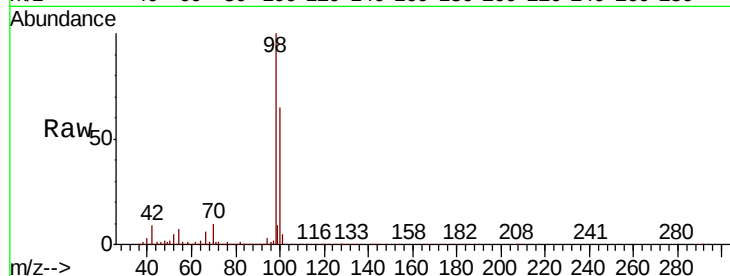




#50
Toluene-d8
Concen: 50.888 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011800.D
Acq: 23 Aug 2019 16:04

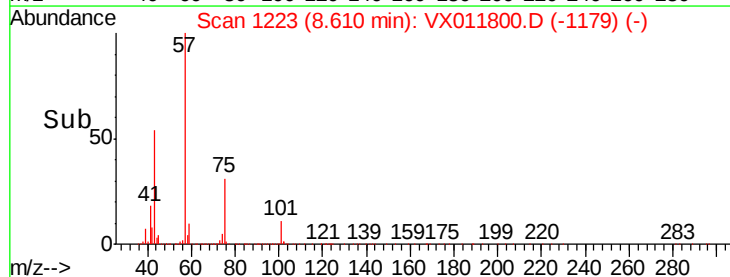
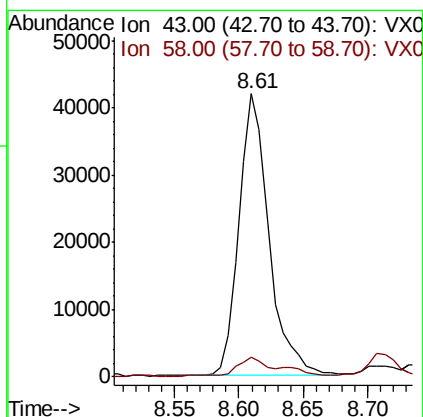
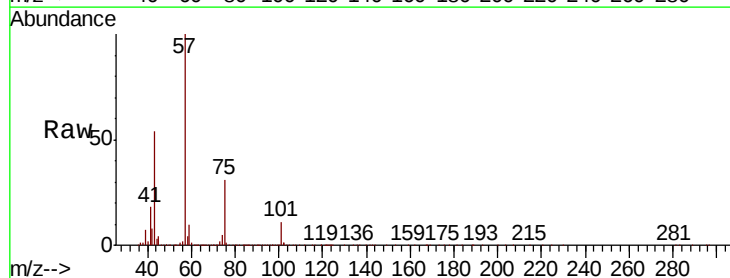
Instrument :
MSVOA_X
ClientSampled :
PB122483TB

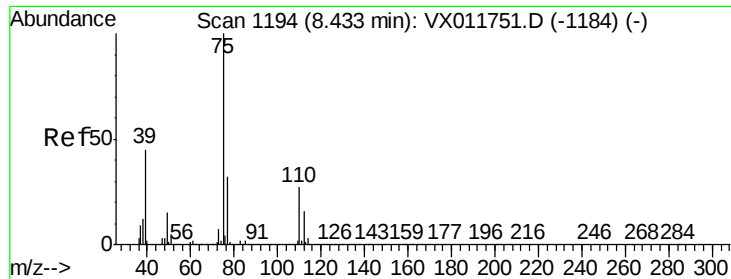
Tgt Ion: 98 Resp: 730690
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 12.048 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011800.D
Acq: 23 Aug 2019 16:04

Tgt Ion: 43 Resp: 67879
Ion Ratio Lower Upper
43 100
58 6.3 31.8 47.6#

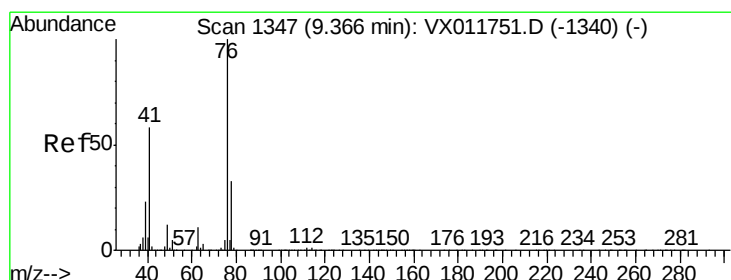
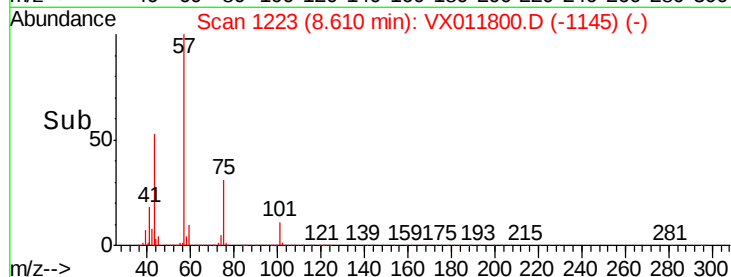
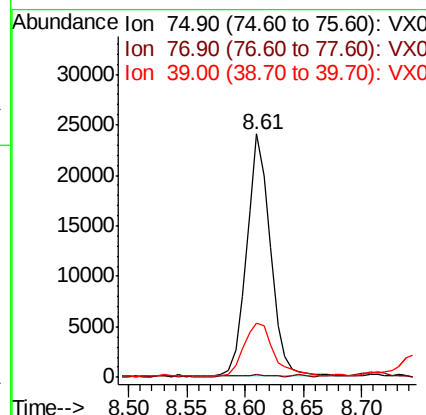
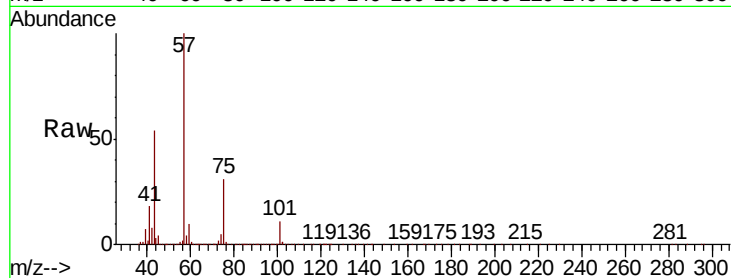




#54
 cis-1,3-Dichloropropene
 Concen: 5.797 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011800.D
 Acq: 23 Aug 2019 16:04

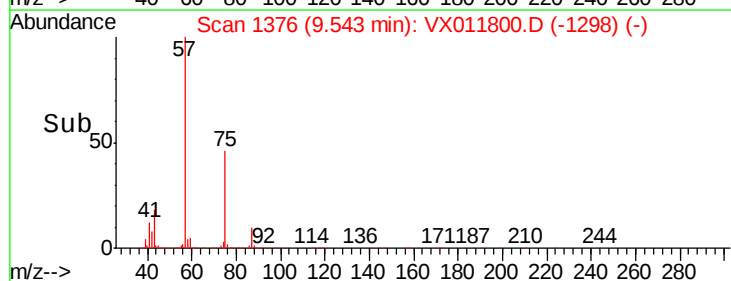
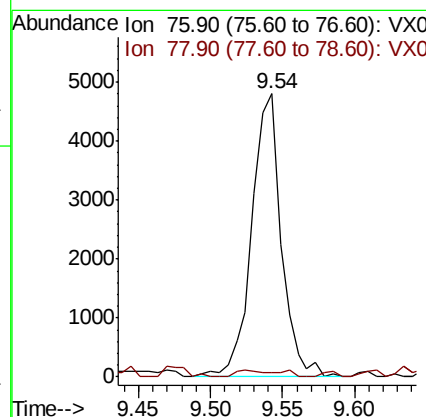
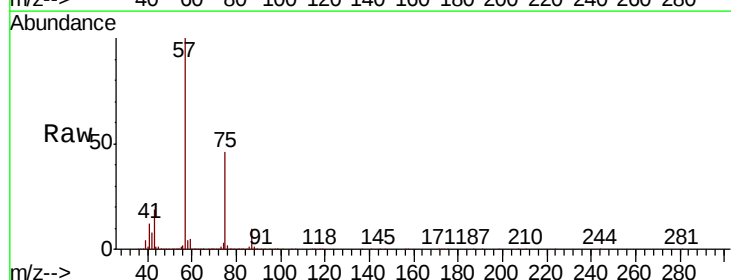
Instrument :
 MSVOA_X
 ClientSampleId :
 PB122483TB

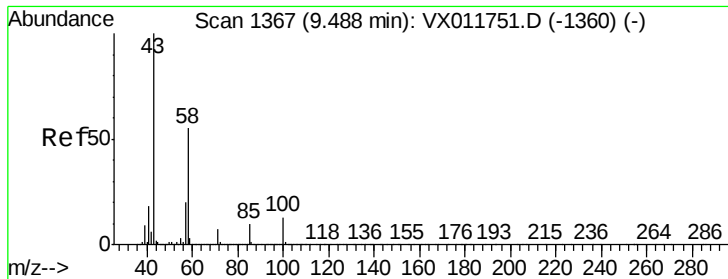
Tgt Ion: 75 Resp: 34201
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.4 38.2#
 39 21.7 36.2 54.4#



#57
 1,3-Dichloropropane
 Concen: 1.015 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.18 min
 Lab File: VX011800.D
 Acq: 23 Aug 2019 16:04

Tgt Ion: 76 Resp: 6823
 Ion Ratio Lower Upper
 76 100
 78 3.4 26.6 39.8#

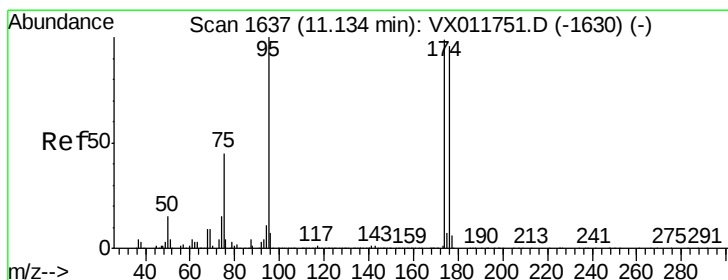
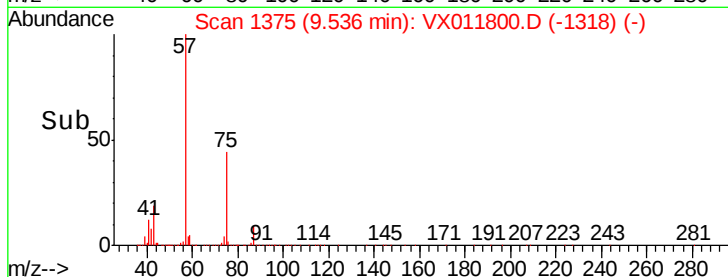
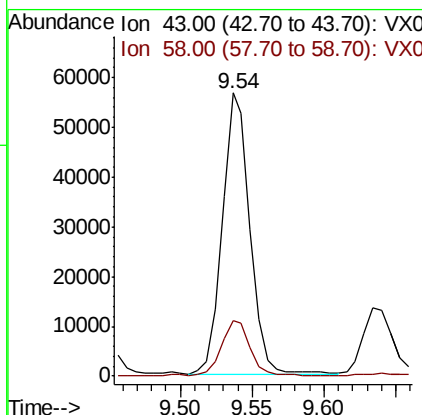
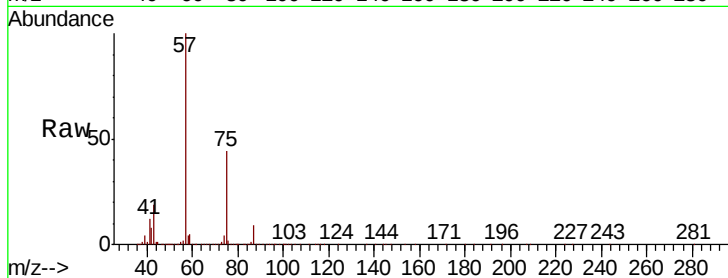




#59
2-Hexanone
Concen: 17.635 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011800.D
Acq: 23 Aug 2019 16:04

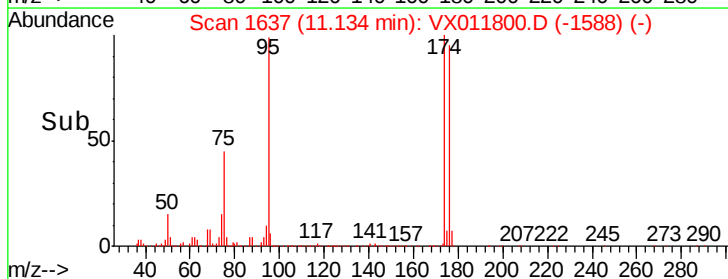
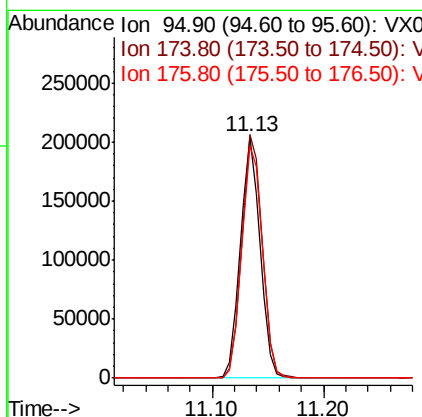
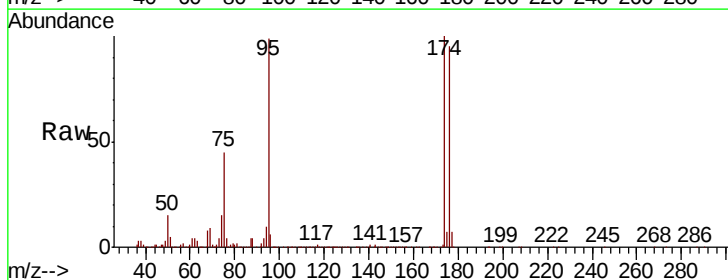
Instrument :
MSVOA_X
ClientSampleId :
PB122483TB

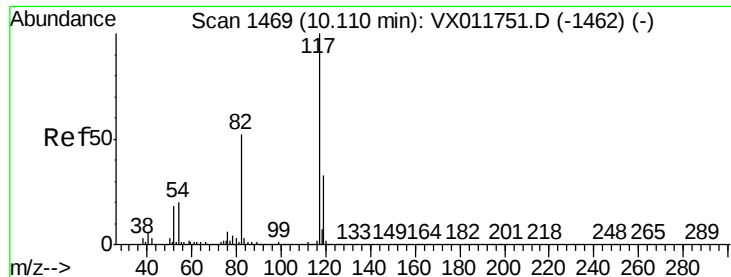
Tgt Ion: 43 Resp: 76262
Ion Ratio Lower Upper
43 100
58 21.5 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 44.027 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011800.D
Acq: 23 Aug 2019 16:04

Tgt Ion: 95 Resp: 249872
Ion Ratio Lower Upper
95 100
174 104.8 0.0 197.4
176 101.3 0.0 194.4

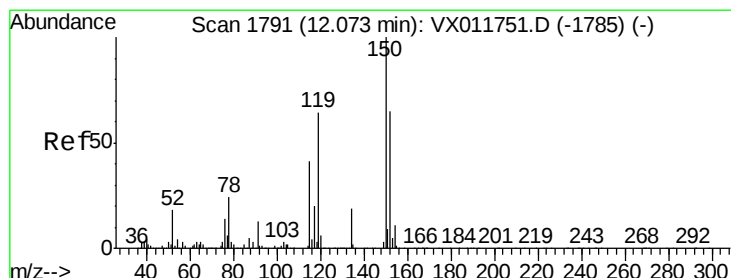
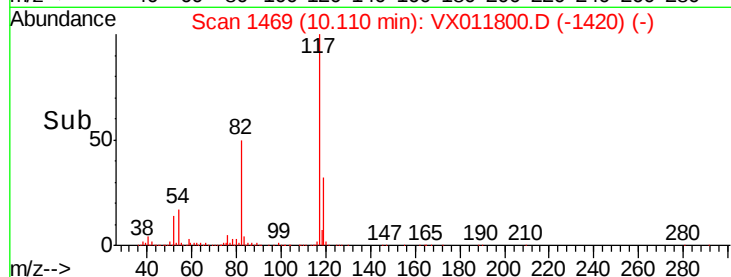
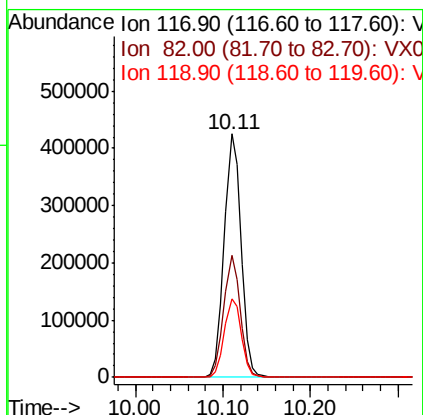
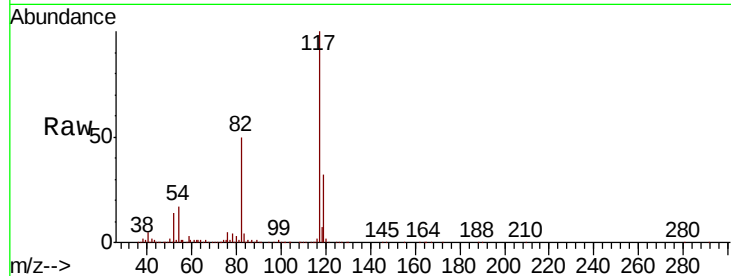




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011800.D
Acq: 23 Aug 2019 16:04

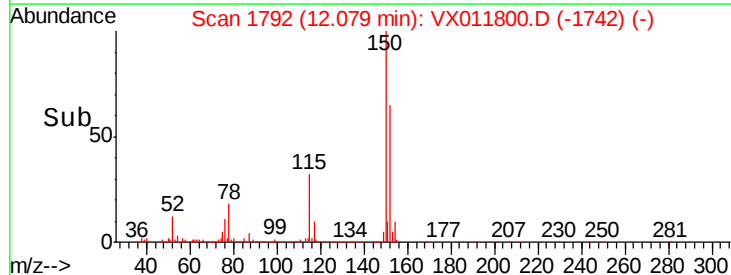
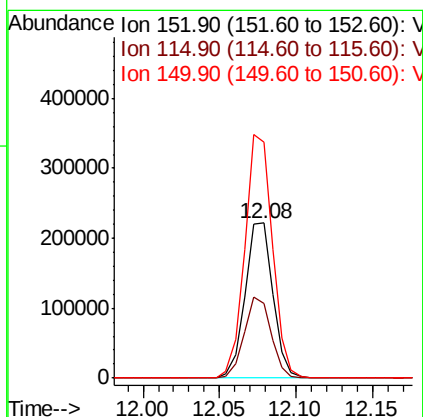
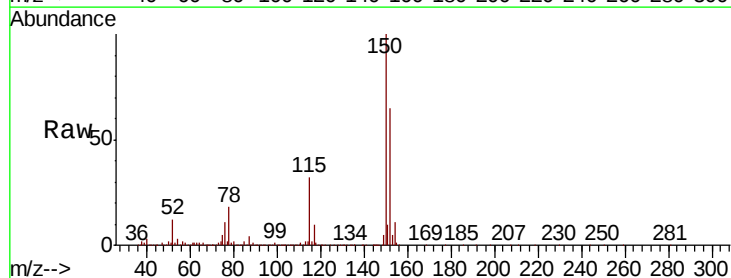
Instrument :
MSVOA_X
ClientSampled :
PB122483TB

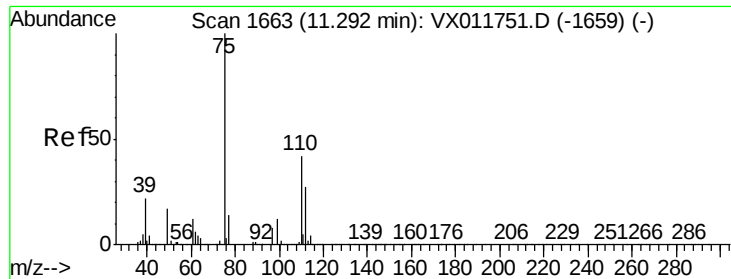
Tgt Ion:117 Resp: 566480
Ion Ratio Lower Upper
117 100
82 49.9 41.7 62.5
119 32.5 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011800.D
Acq: 23 Aug 2019 16:04

Tgt Ion:152 Resp: 280334
Ion Ratio Lower Upper
152 100
115 50.6 37.3 111.8
150 155.8 0.0 343.0





#76

1,2,3-Trichloropropane

Concen: 22.587 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011800.D

Acq: 23 Aug 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

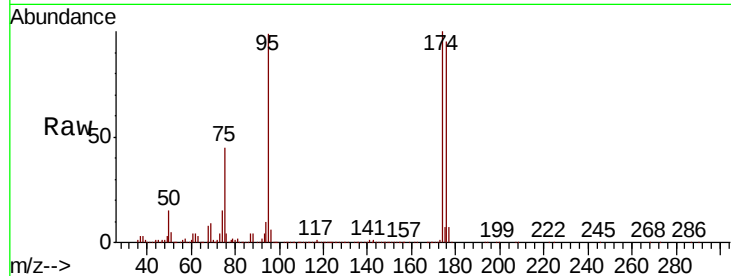
PB122483TB

Tgt Ion: 75 Resp: 111103

Ion Ratio Lower Upper

75 100

77 1.0 21.1 63.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

100000

80000

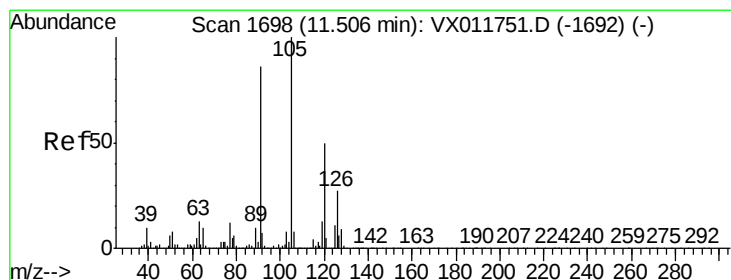
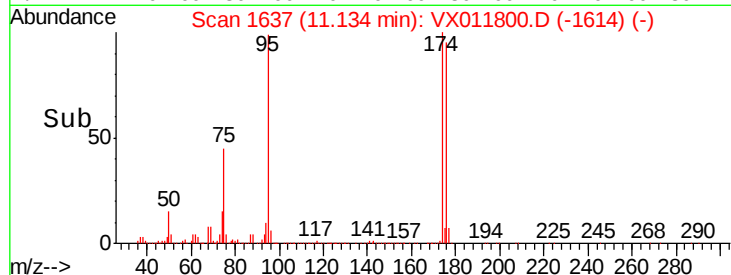
60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20



#80

1,3,5-Trimethylbenzene

Concen: 0.905 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011800.D

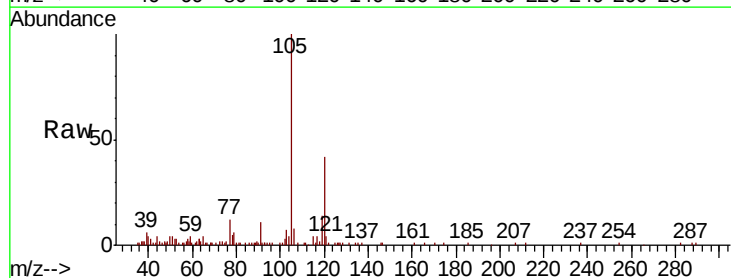
Acq: 23 Aug 2019 16:04

Tgt Ion: 105 Resp: 12759

Ion Ratio Lower Upper

105 100

120 50.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

12000

10000

8000

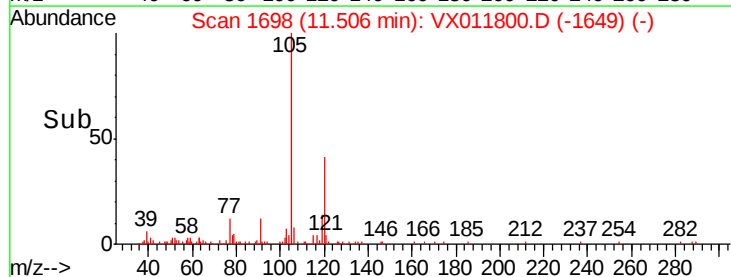
6000

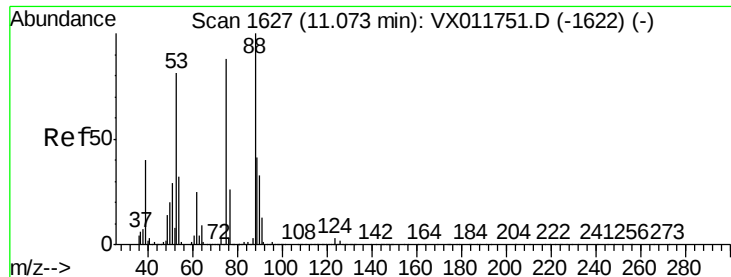
4000

2000

0

Time--> 11.45 11.50 11.55





#81

trans-1,4-Dichloro-2-butene

Concen: 68.116 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011800.D

Acq: 23 Aug 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

PB122483TB

Tgt Ion: 75 Resp: 111103

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

89 0.1 38.5 57.7#

