

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\
 Data File : VX005085.D
 Acq On : 05 Oct 2018 23:45
 Operator : JC/MD
 Sample : PB113539TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113539TB

Quant Time: Oct 06 00:47:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

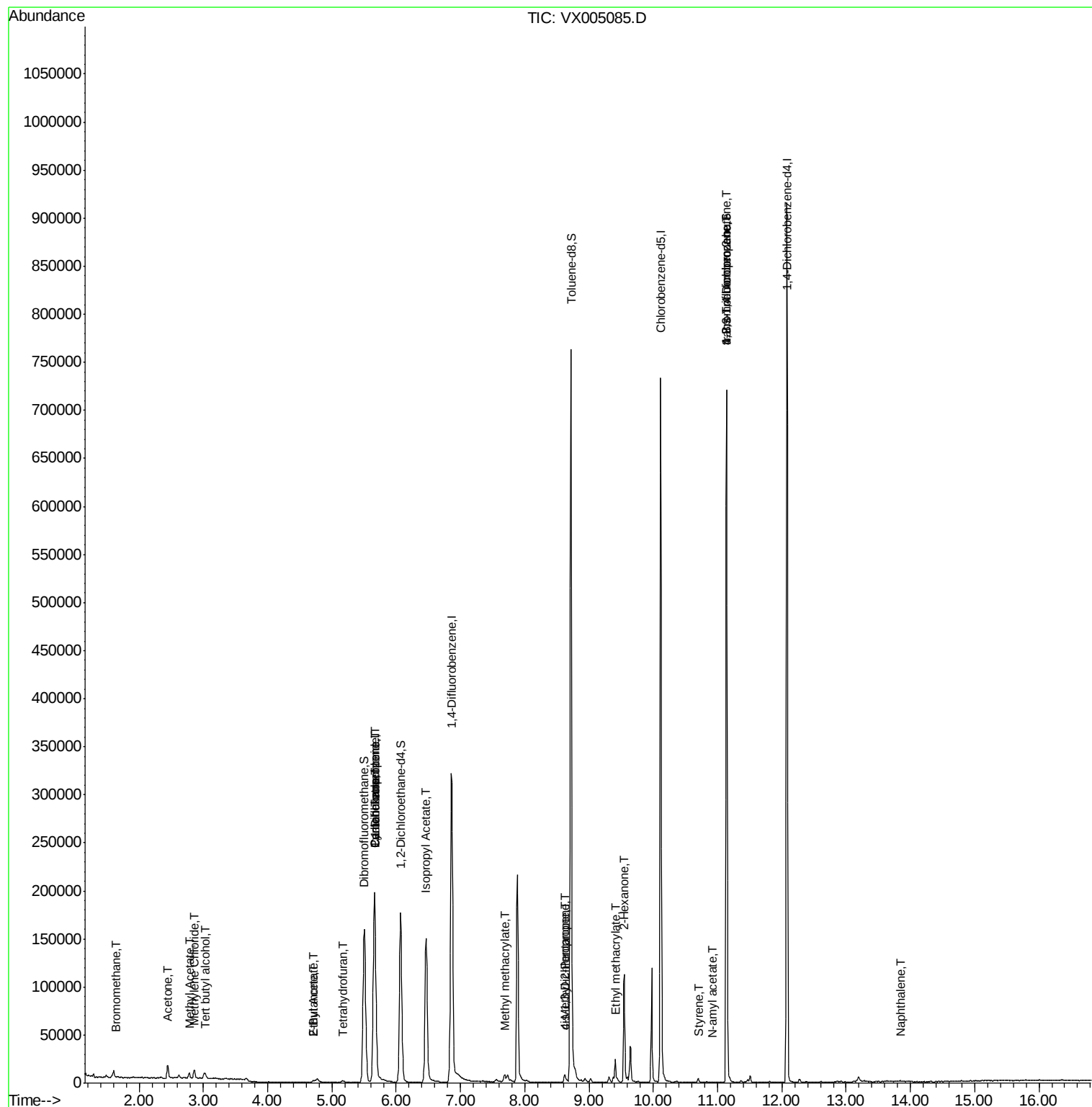
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340773	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	342355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191324	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	168410	56.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.92%	
35) Dibromofluoromethane	5.49	113	140425	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
50) Toluene-d8	8.72	98	494293	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.14	95	183275	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	520	0.271	ug/l #	62
6) Chloroethane	1.67	64	161	Below Cal	#	52
11) Tert butyl alcohol	3.03	59	4021	4.821	ug/l #	82
16) Acetone	2.44	43	15014	8.622	ug/l	97
18) Methyl Acetate	2.78	43	7281	1.650	ug/l	99
20) Methylene Chloride	2.85	84	4033	0.767	ug/l	90
25) 2-Butanone	4.71	43	3529	1.375	ug/l #	88
29) Tetrahydrofuran	5.17	42	1629	1.021	ug/l #	74
31) Cyclohexane	5.67	56	4063	1.071	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14925	3.788	ug/l #	46
37) Ethyl Acetate	4.71	43	3529	0.675	ug/l #	71
38) Carbon Tetrachloride	5.67	117	19432	4.691	ug/l #	18
43) Isopropyl Acetate	6.46	43	211352	27.996	ug/l	97
48) Methyl methacrylate	7.69	41	8081	2.358	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	3800	0.799	ug/l #	45
54) cis-1,3-Dichloropropene	8.62	75	1266	0.300	ug/l #	62
56) Ethyl methacrylate	9.41	69	581	2.976	ug/l #	1
59) 2-Hexanone	9.55	43	12803	3.232	ug/l #	54
70) Styrene	10.72	104	252	2.166	ug/l #	90
74) N-amyl acetate	10.91	43	54	1.756	ug/l #	9
76) 1,2,3-Trichloropropane	11.14	75	89894	20.963	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	89894	56.888	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	486	Below Cal		79
95) Naphthalene	13.84	128	618	0.758	ug/l #	83

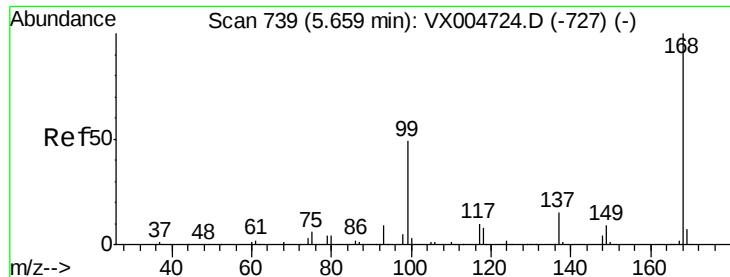
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100518\
Data File : VX005085.D
Acq On : 05 Oct 2018 23:45
Operator : JC/MD
Sample : PB113539TB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB113539TB

Quant Time: Oct 06 00:47:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005085.D

Acq: 05 Oct 2018 23:45

Instrument :

MSVOA_X

ClientSampleId :

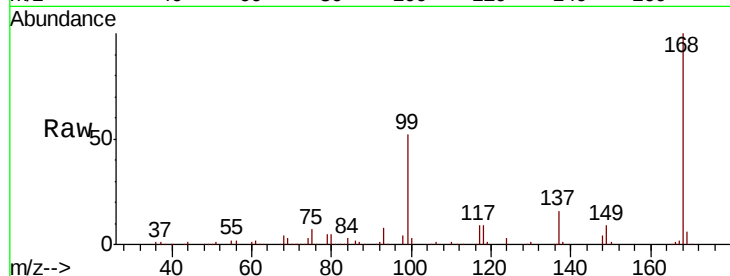
PB113539TB

Tot Ion:168 Resp: 208799

Ion Ratio Lower Upper

168 100

99 51.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

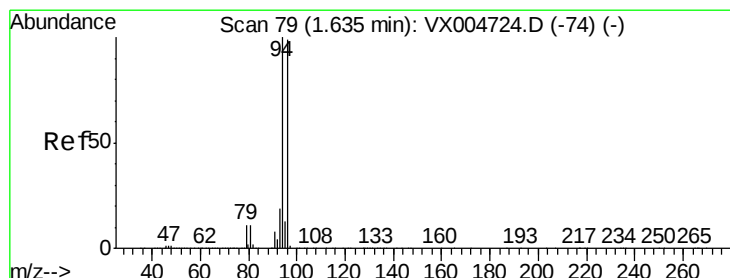
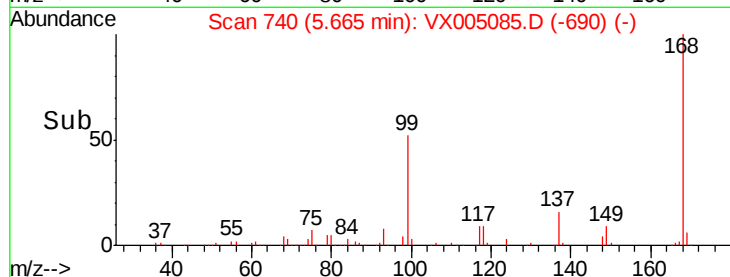
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.271 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005085.D

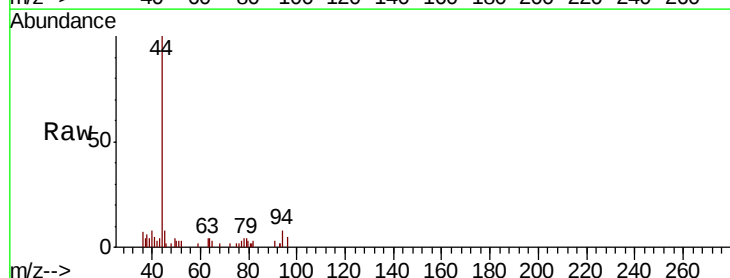
Acq: 05 Oct 2018 23:45

Tgt Ion: 94 Resp: 520

Ion Ratio Lower Upper

94 100

96 61.5 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

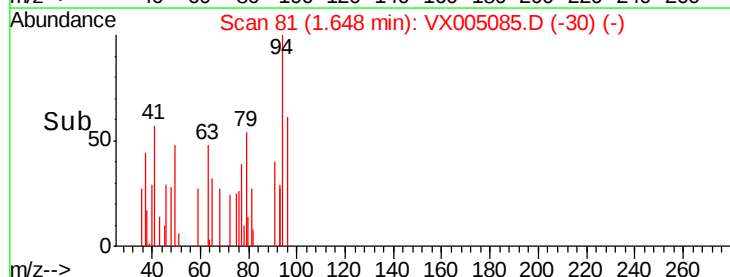
150

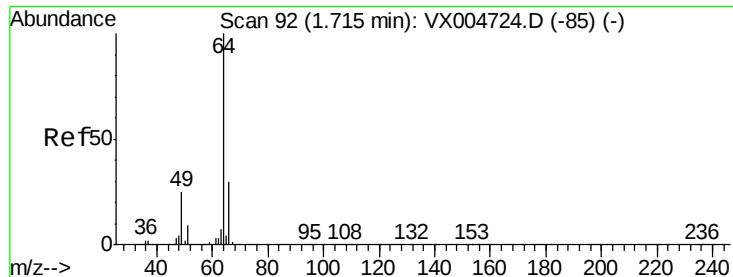
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX005085.D

Acq: 05 Oct 2018 23:45

Instrument :

MSVOA_X

ClientSampleId :

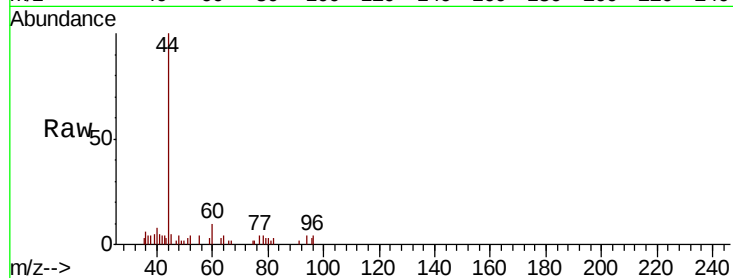
PB113539TB

Tot Ion: 64 Resp: 161

Ion Ratio Lower Upper

64 100

66 55.5 23.8 35.6#

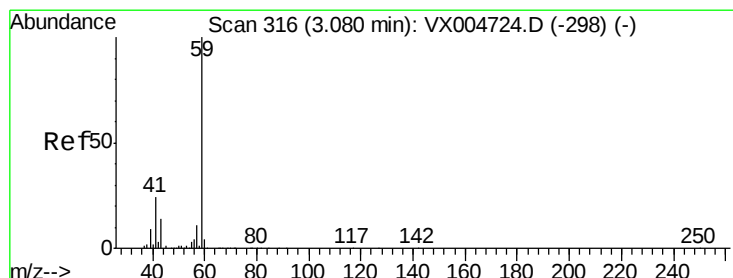
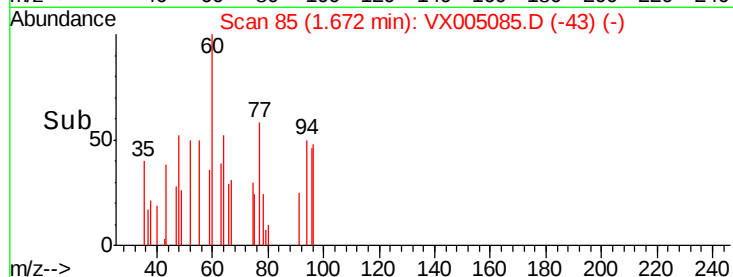


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.67

Time-->



#11

Tert butyl alcohol

Concen: 4.821 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX005085.D

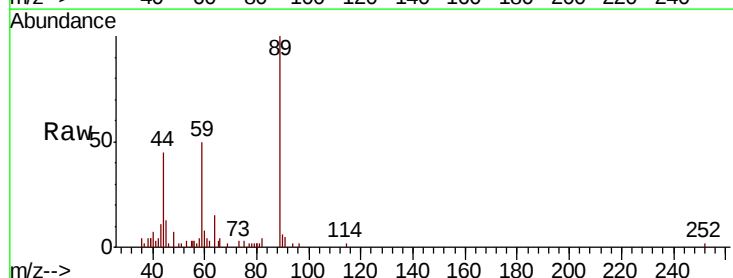
Acq: 05 Oct 2018 23:45

Tgt Ion: 59 Resp: 4021

Ion Ratio Lower Upper

59 100

57 3.8 8.6 12.8#

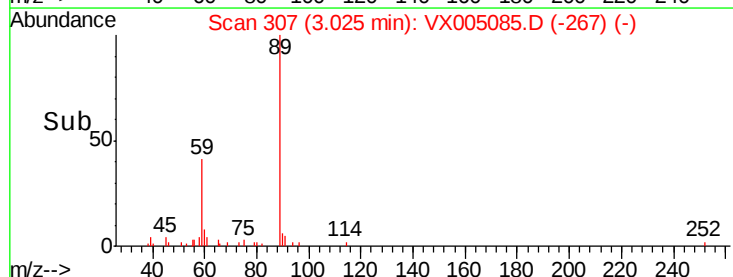


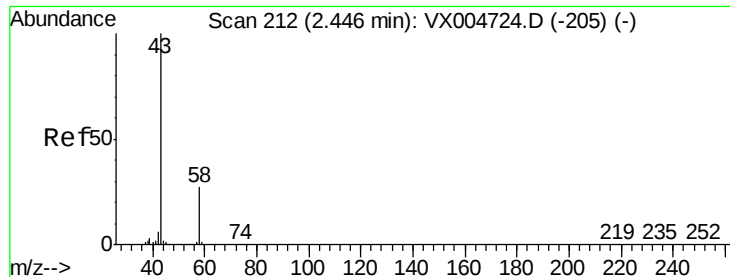
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

Time-->





#16

Acetone

Concen: 8.622 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005085.D

Acq: 05 Oct 2018 23:45

Instrument :

MSVOA_X

ClientSampleId :

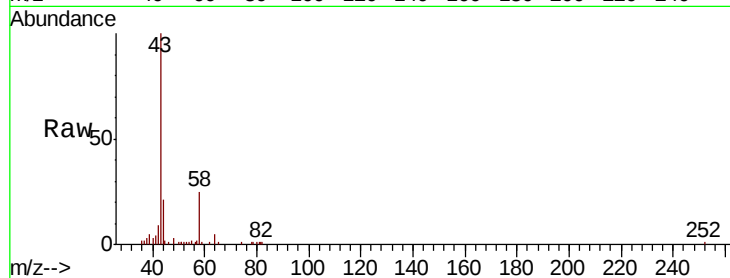
PB113539TB

Tot Ion: 43 Resp: 15014

Ion Ratio Lower Upper

43 100

58 25.6 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

10000

8000

6000

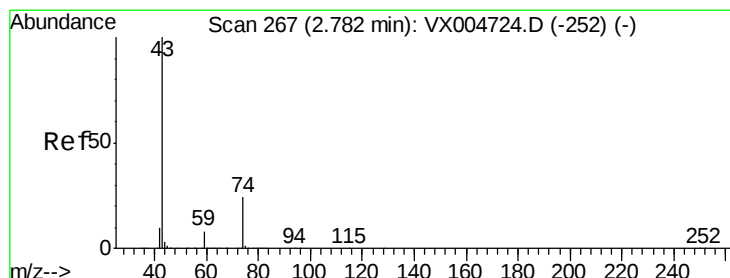
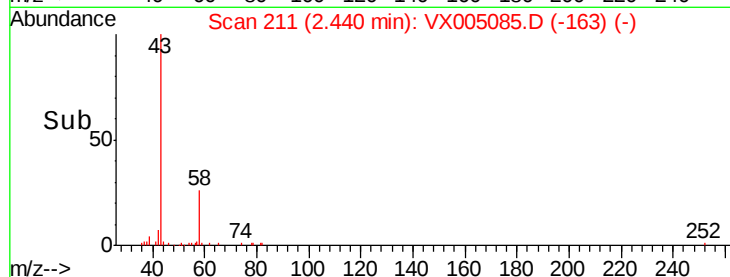
4000

2000

0

Time-->

2.40 2.45 2.50



#18

Methyl Acetate

Concen: 1.650 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005085.D

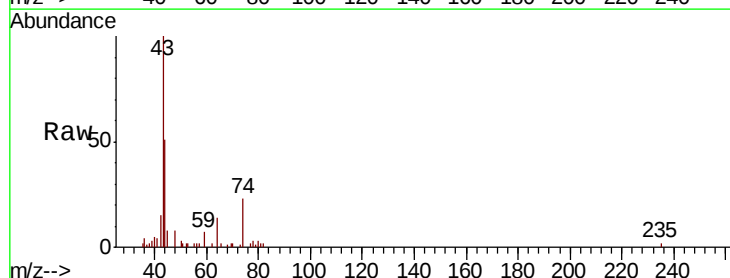
Acq: 05 Oct 2018 23:45

Tgt Ion: 43 Resp: 7281

Ion Ratio Lower Upper

43 100

74 22.9 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

4000

3000

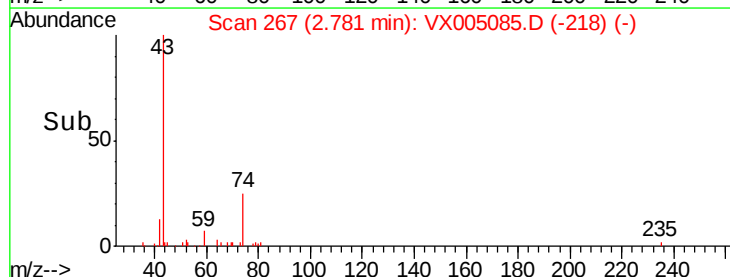
2000

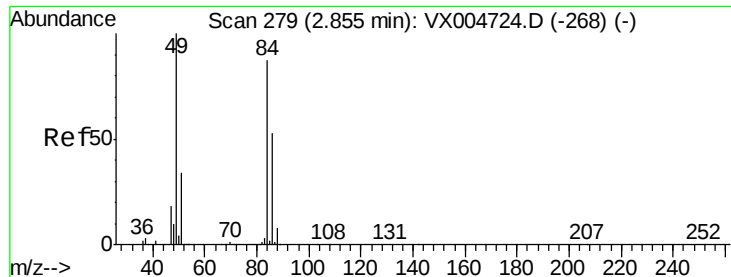
1000

0

Time-->

2.70 2.75 2.80 2.85

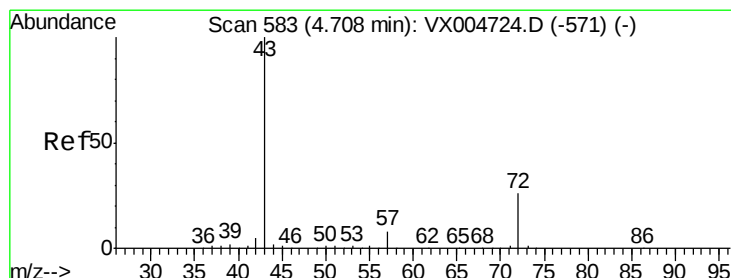
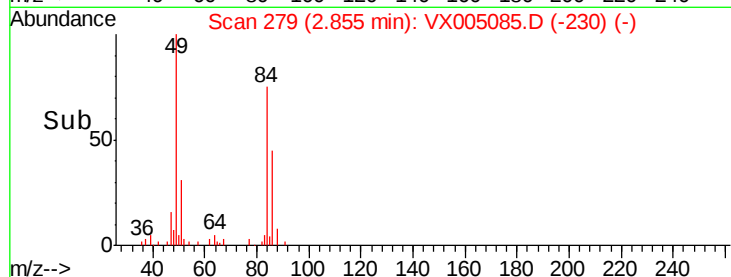
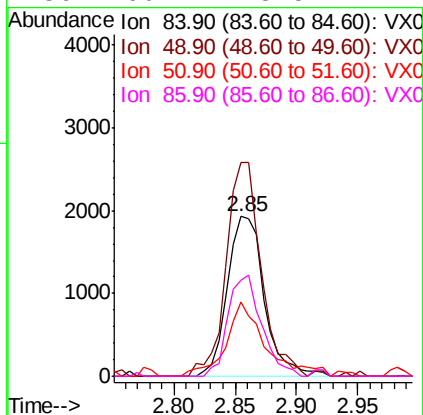
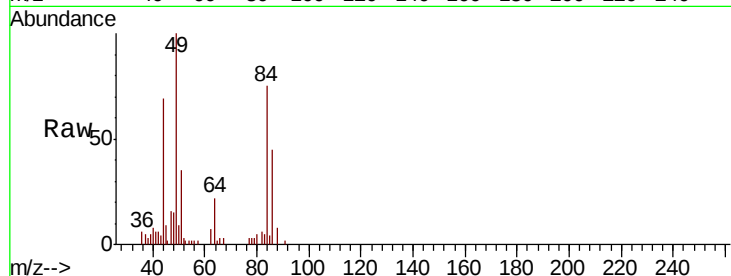




#20
Methvlene Chloride
Concen: 0.767 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005085.D
Acq: 05 Oct 2018 23:45

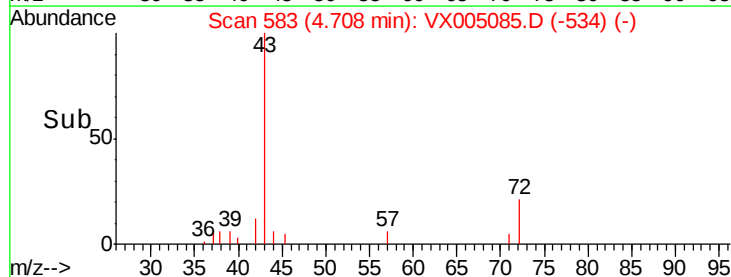
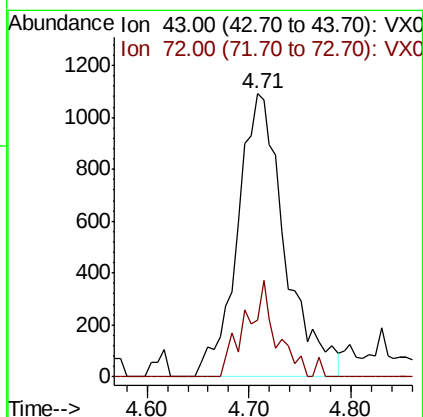
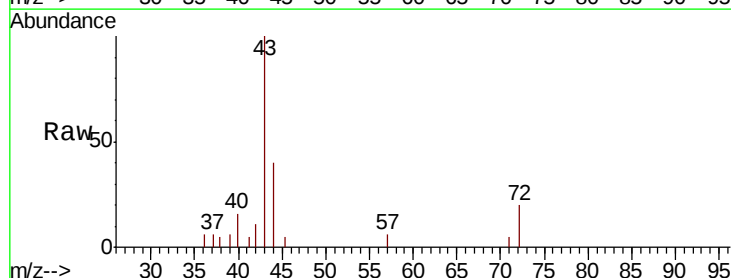
Instrument :
MSVOA_X
ClientSampleId :
PB113539TB

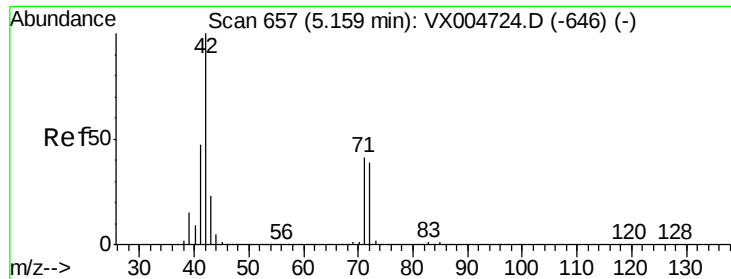
Tot Ion:	84	Resp:	4033
Ion	Ratio	Lower	Upper
84	100		
49	133.8	92.3	138.5
51	43.6	31.8	47.6
86	60.4	48.5	72.7



#25
2-Butanone
Concen: 1.375 ug/l
RT: 4.71 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX005085.D
Acq: 05 Oct 2018 23:45

Tgt Ion:	43	Resp:	3529
Ion	Ratio	Lower	Upper
43	100		
72	20.0	20.8	31.2#

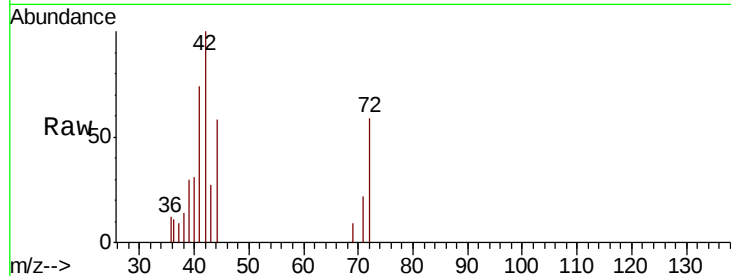




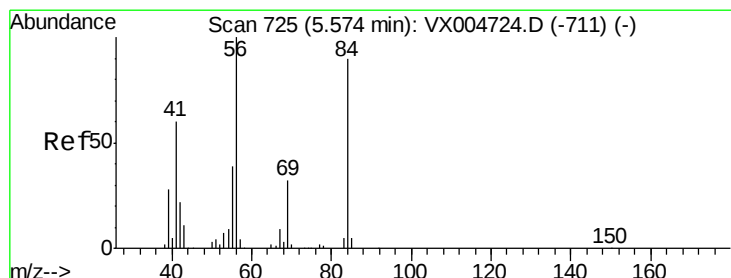
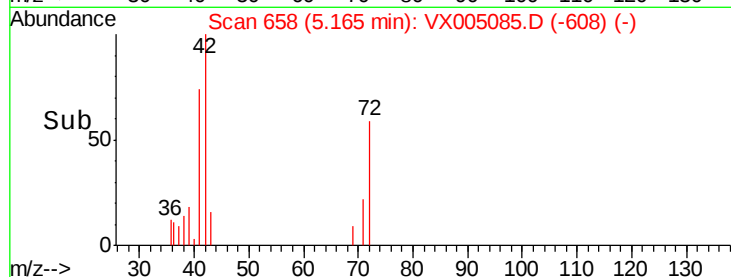
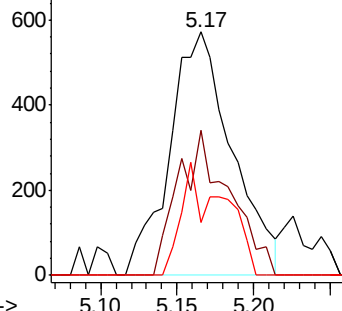
#29
Tetrahydrofuran
Concen: 1.021 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005085.D
Acq: 05 Oct 2018 23:45

Instrument :
MSVOA_X
ClientSampled :
PB113539TB

Tot Ion: 42 Resp: 1629
Ion Ratio Lower Upper
42 100
72 48.7 33.7 50.5
71 13.5 32.2 48.4#

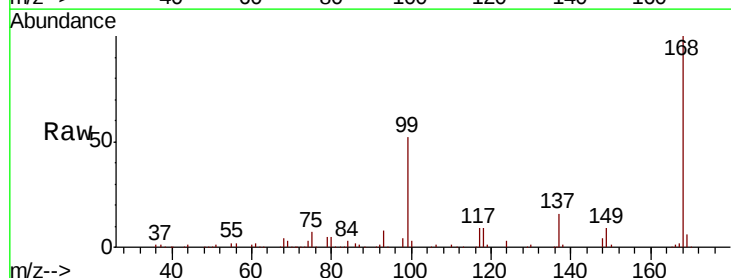


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

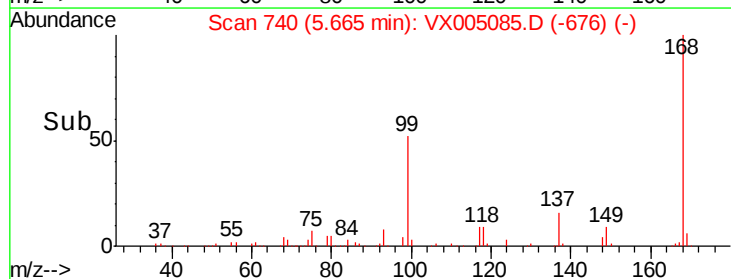
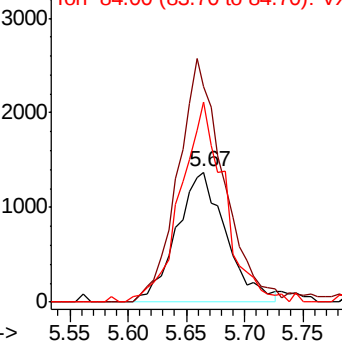


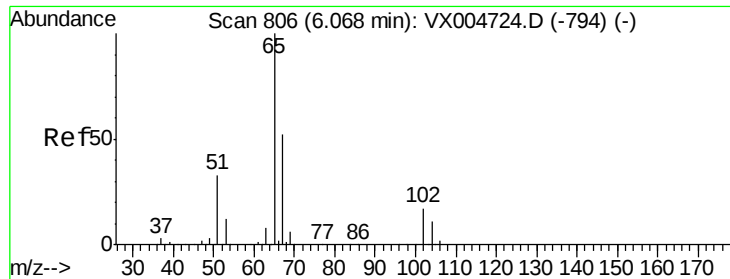
#31
Cyclohexane
Concen: 1.071 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005085.D
Acq: 05 Oct 2018 23:45

Tgt Ion: 56 Resp: 4063
Ion Ratio Lower Upper
56 100
69 165.2 25.9 38.9#
84 153.4 71.9 107.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 56.462 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005085.D

Acq: 05 Oct 2018 23:45

Instrument :

MSVOA_X

ClientSampleId :

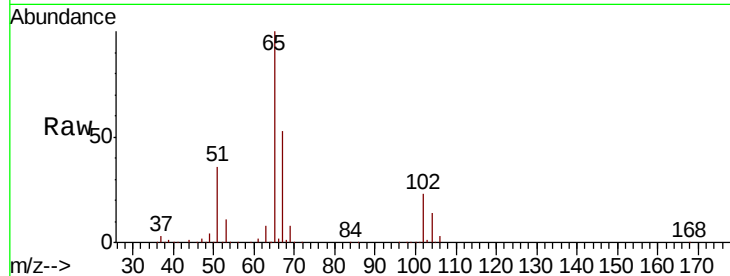
PB113539TB

Tot Ion: 65 Resp: 168410

Ion Ratio Lower Upper

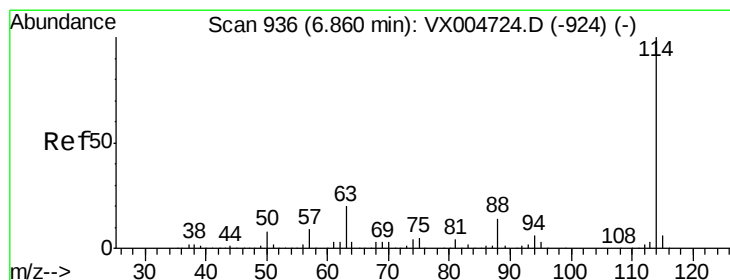
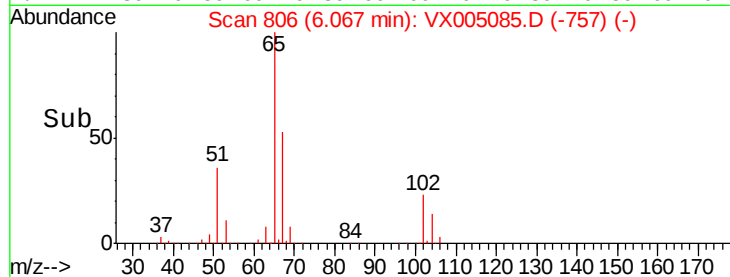
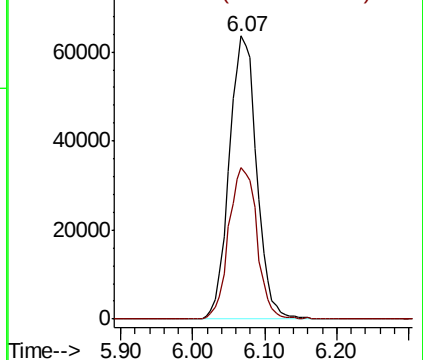
65 100

67 55.0 0.0 107.4



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005085.D

Acq: 05 Oct 2018 23:45

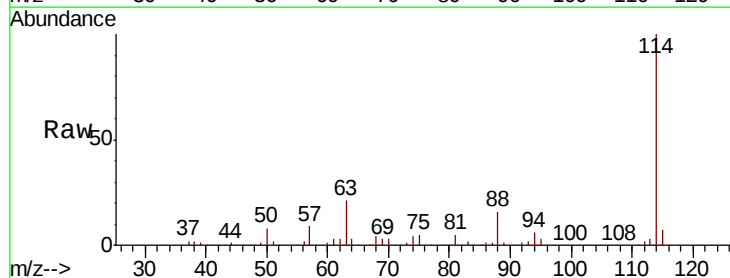
Tgt Ion: 114 Resp: 340773

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.8

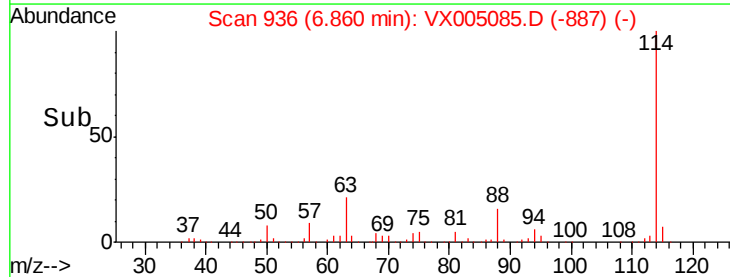
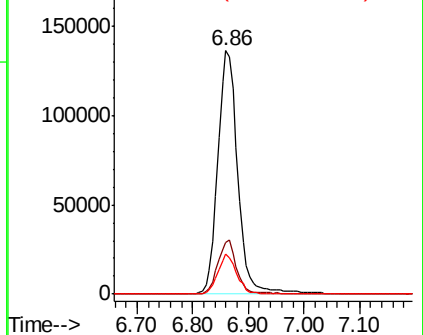
88 16.3 0.0 27.0

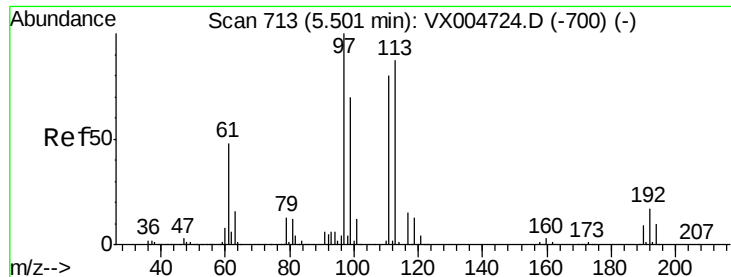


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

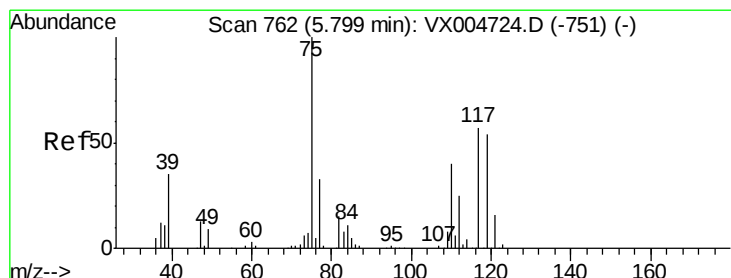
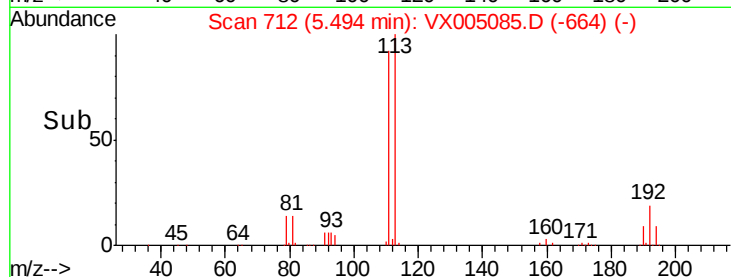
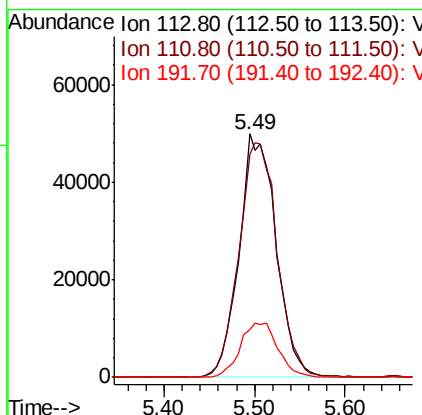
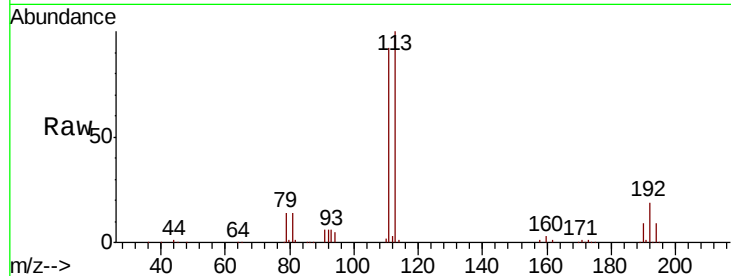




#35
 Dibromofluoromethane
 Concen: 48.622 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005085.D
 Acq: 05 Oct 2018 23:45

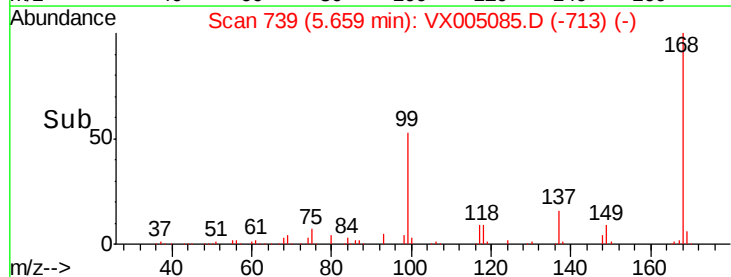
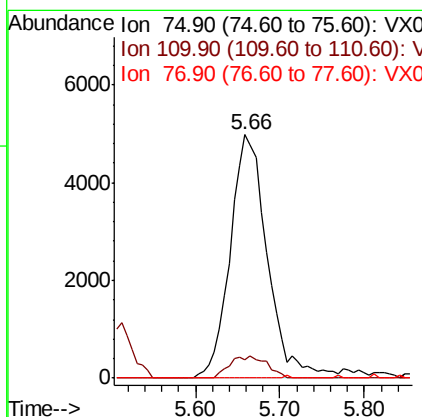
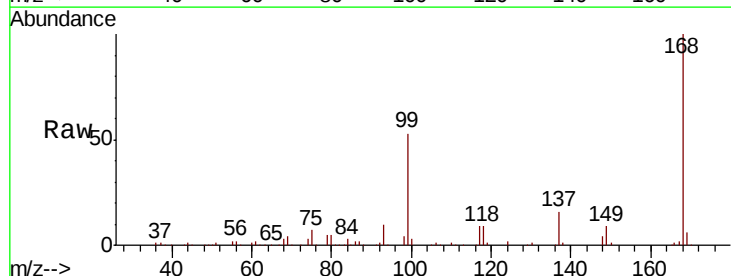
Instrument :
 MSVOA_X
 ClientSampleId :
 PB113539TB

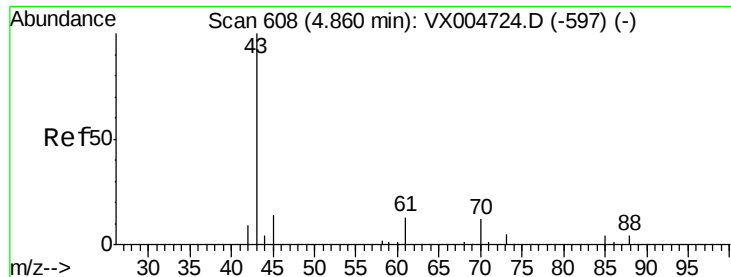
Tot Ion:113 Resp: 140425
 Ion Ratio Lower Upper
 113 100
 111 100.3 77.0 115.4
 192 22.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 3.788 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005085.D
 Acq: 05 Oct 2018 23:45

Tgt Ion: 75 Resp: 14925
 Ion Ratio Lower Upper
 75 100
 110 8.9 20.0 59.9#
 77 0.0 27.1 40.7#





#37

Ethyl Acetate

Concen: 0.675 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.15 min

Lab File: VX005085.D

Acq: 05 Oct 2018 23:45

Instrument :

MSVOA_X

ClientSampleId :

PB113539TB

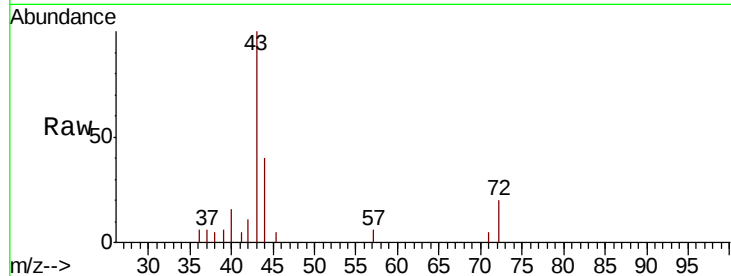
Tot Ion: 43 Resp: 3529

Ion Ratio Lower Upper

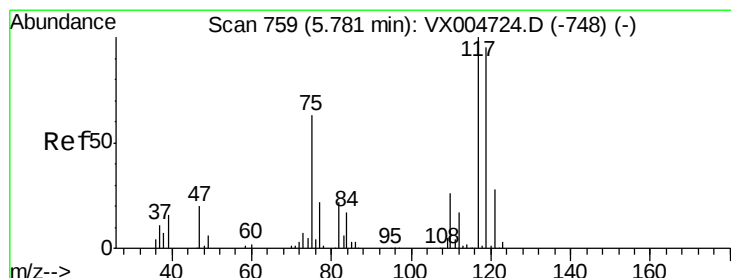
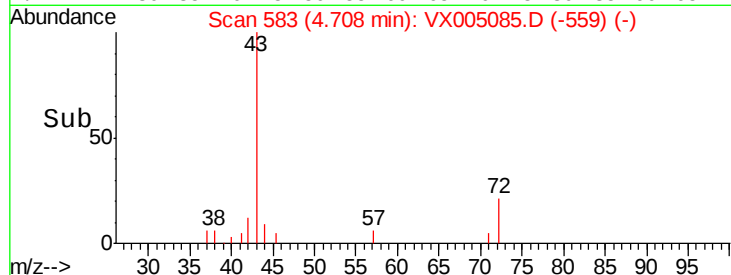
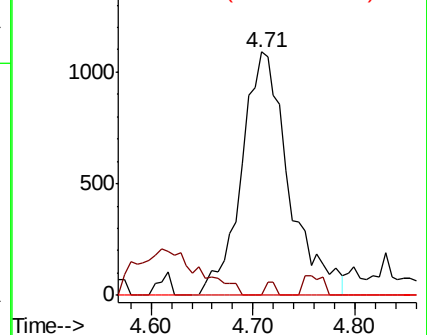
43 100

61 1.2 10.4 15.6#

70 0.0 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 4.691 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.11 min

Lab File: VX005085.D

Acq: 05 Oct 2018 23:45

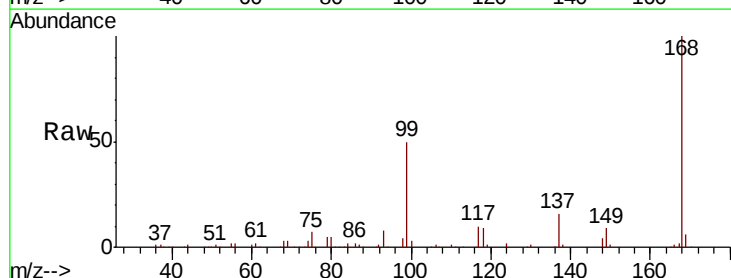
Tgt Ion: 117 Resp: 19432

Ion Ratio Lower Upper

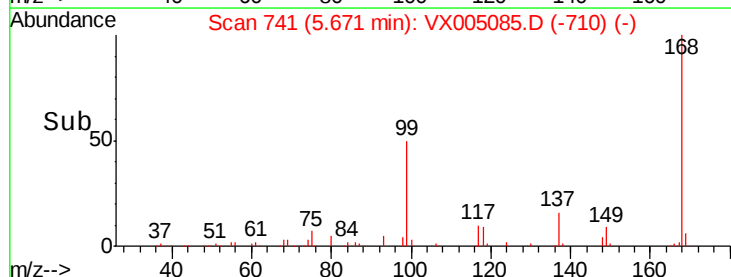
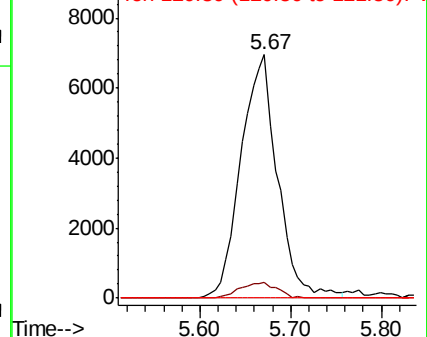
117 100

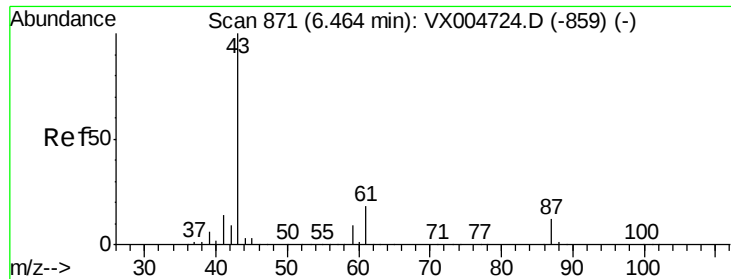
119 6.2 75.2 112.8#

121 0.0 22.5 33.7#



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: 27.996 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005085.D

Acq: 05 Oct 2018 23:45

Instrument :

MSVOA_X

ClientSampled :

PB113539TB

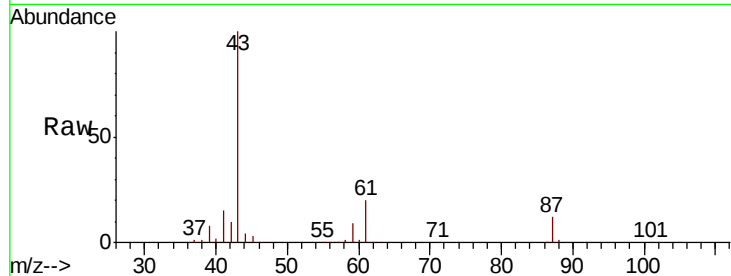
Tot Ion: 43 Resp: 211352

Ion Ratio Lower Upper

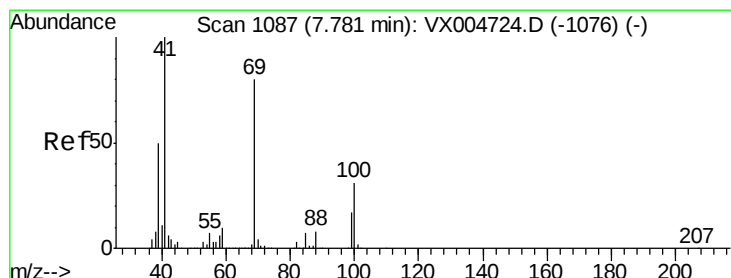
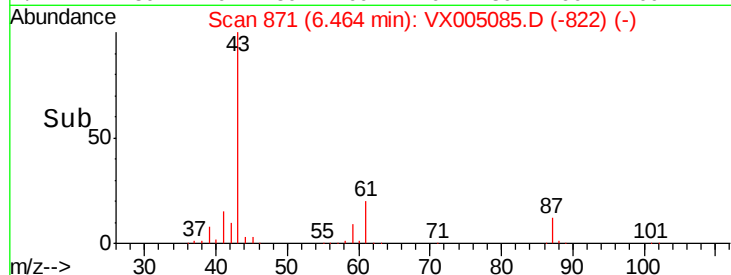
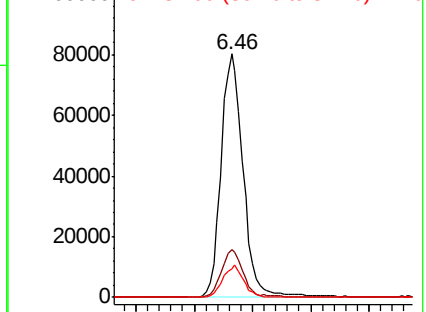
43 100

61 19.2 14.2 21.4

87 12.4 9.3 13.9



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: 2.358 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX005085.D

Acq: 05 Oct 2018 23:45

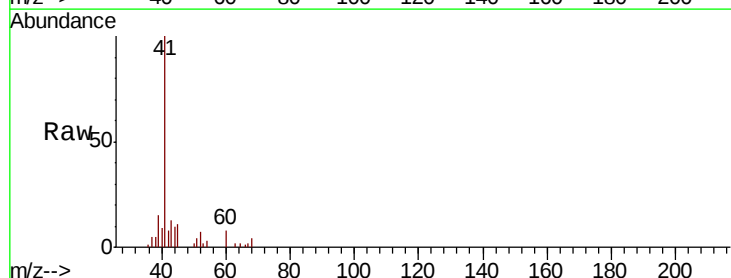
Tgt Ion: 41 Resp: 8081

Ion Ratio Lower Upper

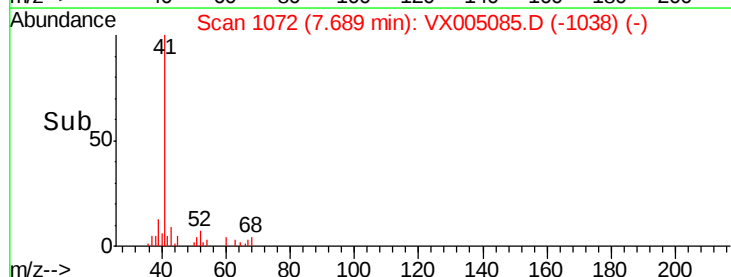
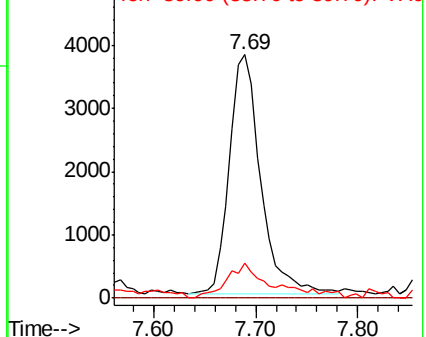
41 100

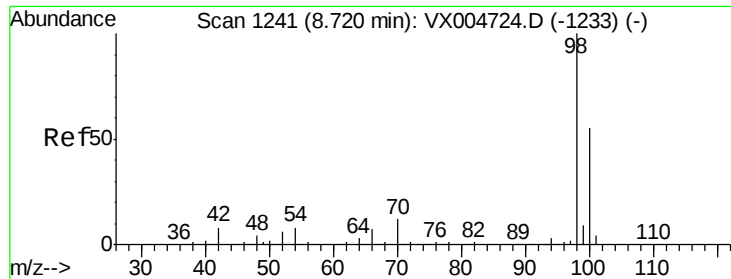
69 0.0 63.8 95.6#

39 15.6 40.7 61.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

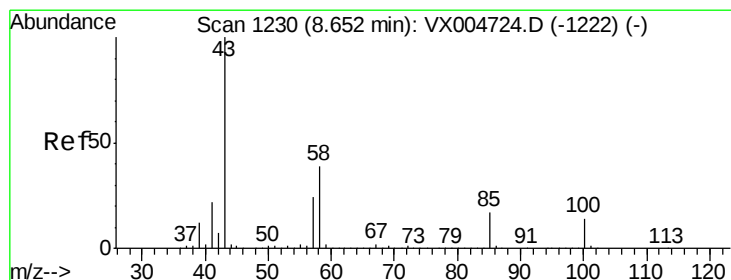
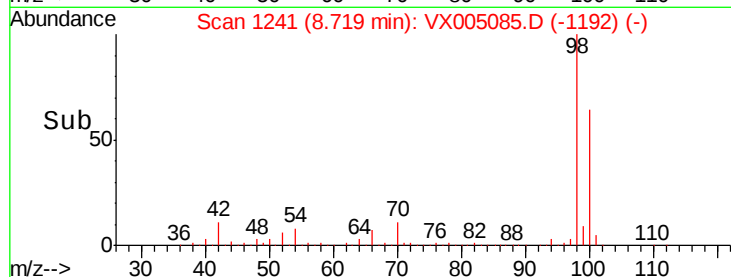
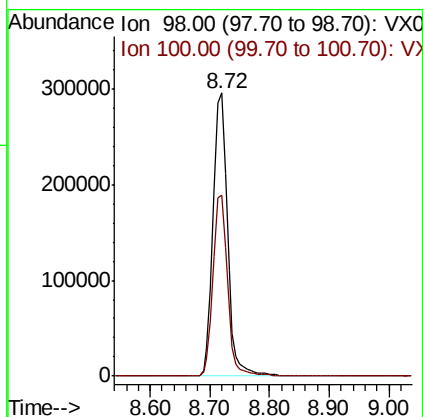
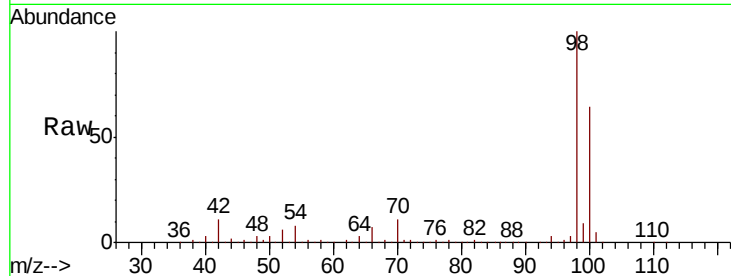




#50
Toluene-d8
Concen: 51.481 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005085.D
Acq: 05 Oct 2018 23:45

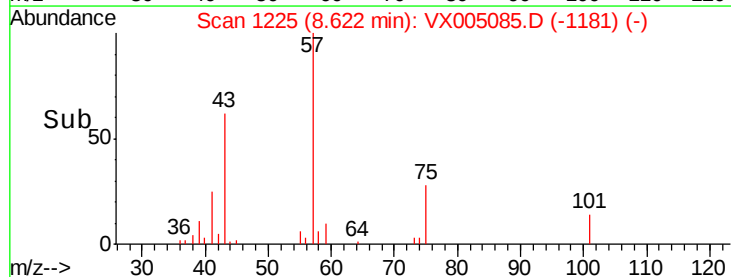
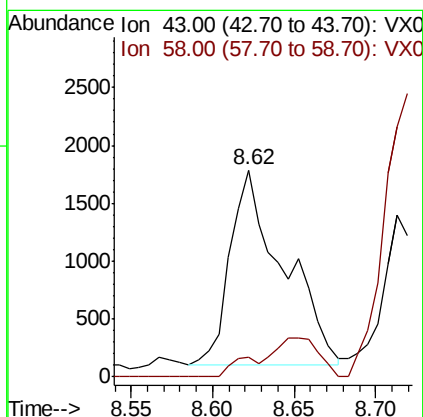
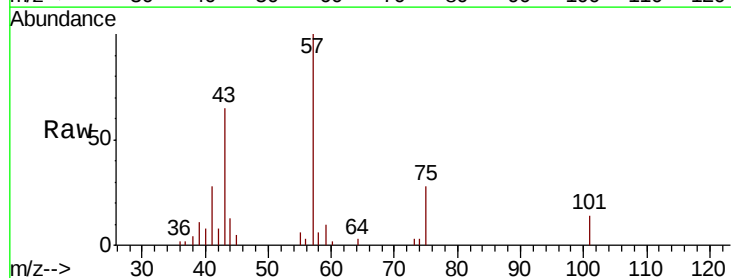
Instrument :
MSVOA_X
ClientSampleId :
PB113539TB

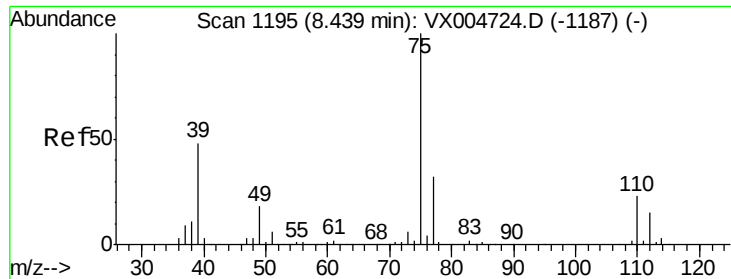
Tot Ion: 98 Resp: 494293
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.799 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.03 min
Lab File: VX005085.D
Acq: 05 Oct 2018 23:45

Tgt Ion: 43 Resp: 3800
Ion Ratio Lower Upper
43 100
58 5.2 30.5 45.7#



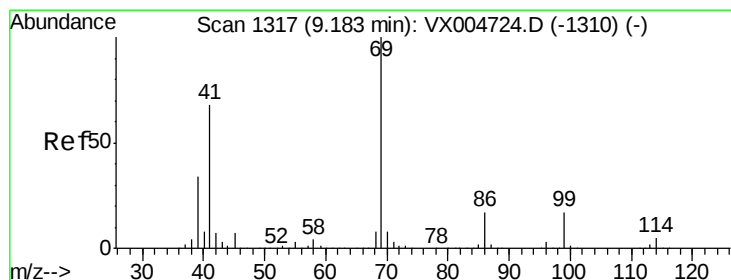
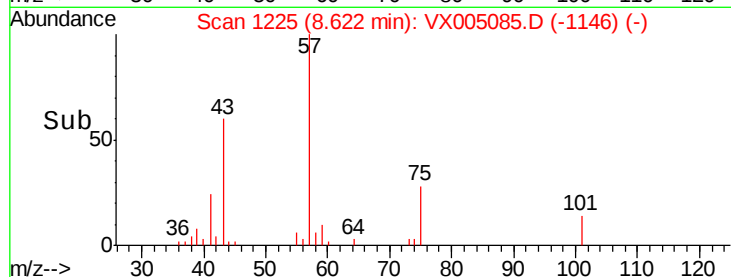
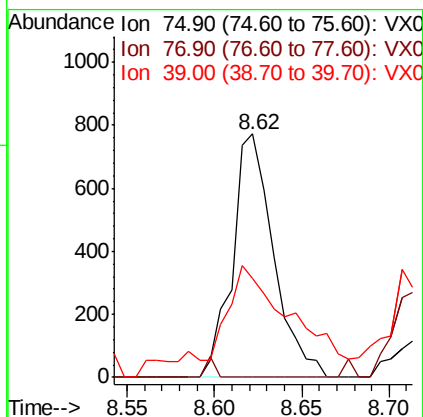
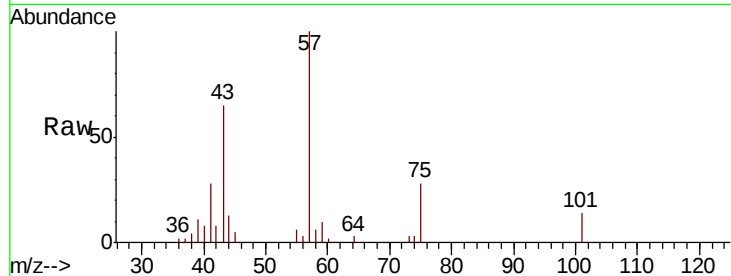


#54

cis-1,3-Dichloropropene
 Concen: 0.300 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX005085.D
 Acq: 05 Oct 2018 23:45

Instrument :
 MSVOA_X
 ClientSampleID :
 PB113539TB

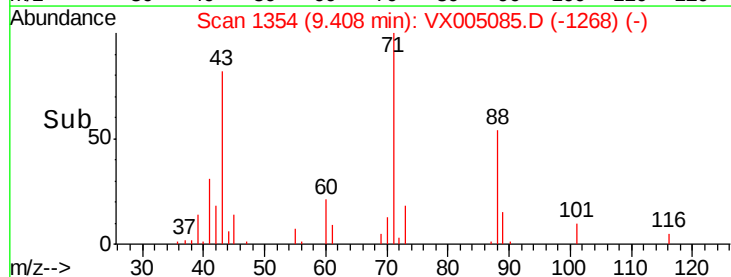
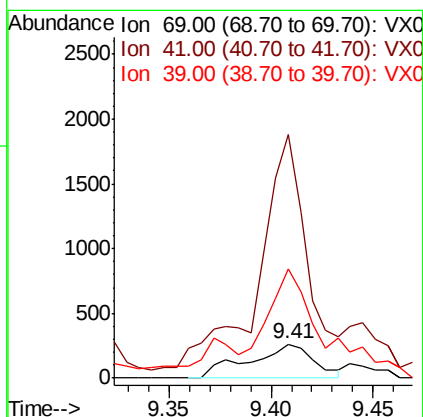
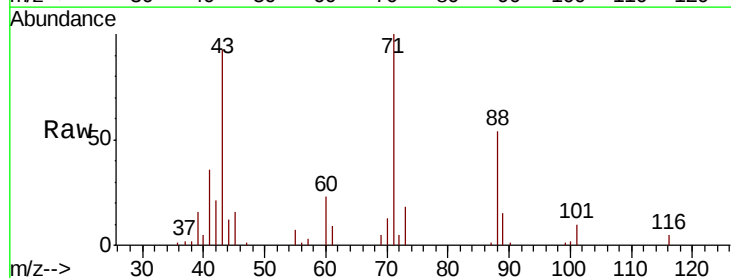
Tot Ion: 75 Resp: 1266
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 30.9 38.3 57.5#

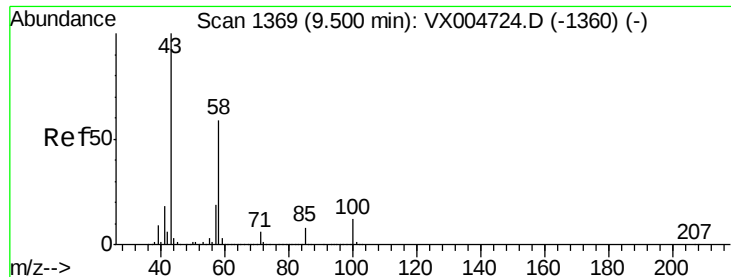


#56

Ethyl methacrylate
 Concen: 2.976 ug/l
 RT: 9.41 min Scan# 1354
 Delta R.T. 0.23 min
 Lab File: VX005085.D
 Acq: 05 Oct 2018 23:45

Tgt Ion: 69 Resp: 581
 Ion Ratio Lower Upper
 69 100
 41 513.8 56.9 85.3#
 39 189.0 28.4 42.6#

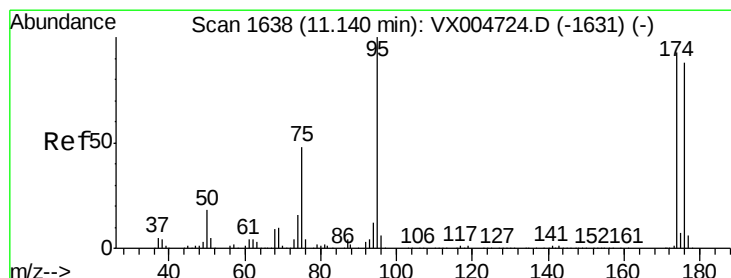
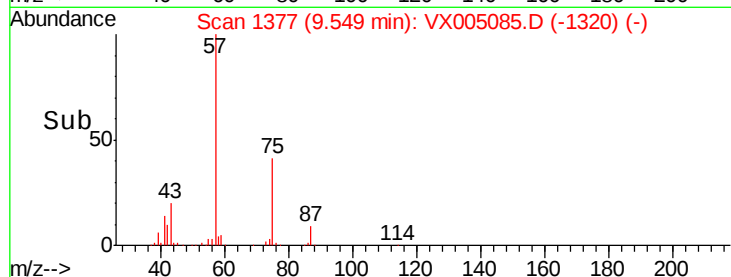
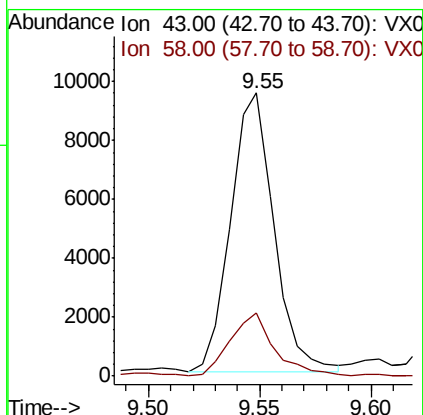
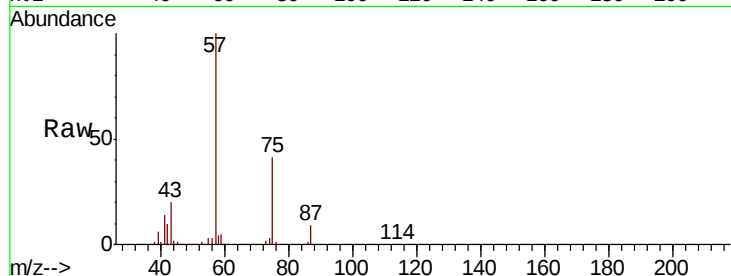




#59
2-Hexanone
Concen: 3.232 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX005085.D
Acq: 05 Oct 2018 23:45

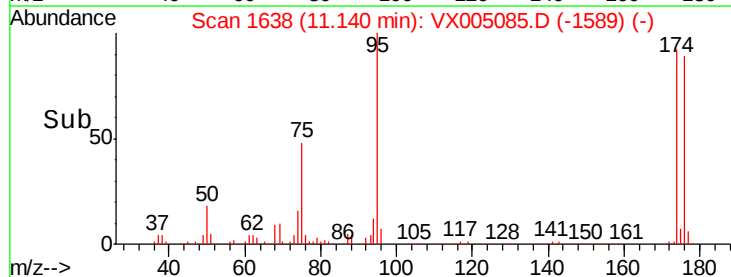
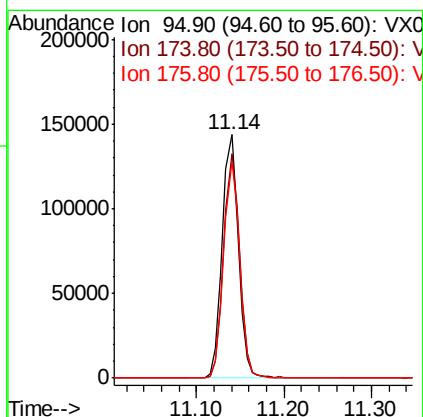
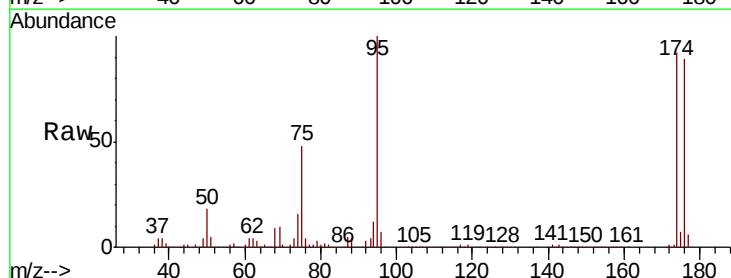
Instrument :
MSVOA_X
ClientSampleId :
PB113539TB

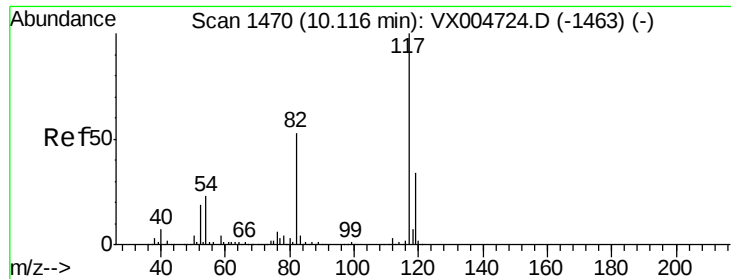
Tot Ion: 43 Resp: 12803
Ion Ratio Lower Upper
43 100
58 23.2 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 52.985 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005085.D
Acq: 05 Oct 2018 23:45

Tgt Ion: 95 Resp: 183275
Ion Ratio Lower Upper
95 100
174 91.7 0.0 185.0
176 88.5 0.0 180.2

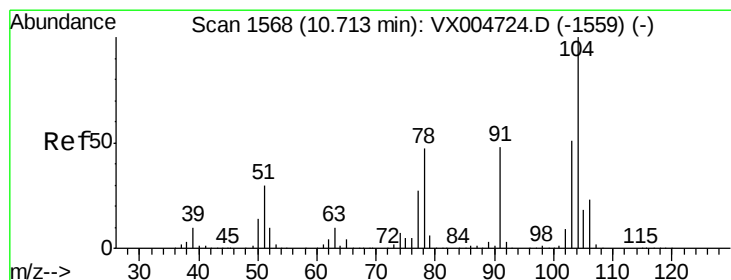
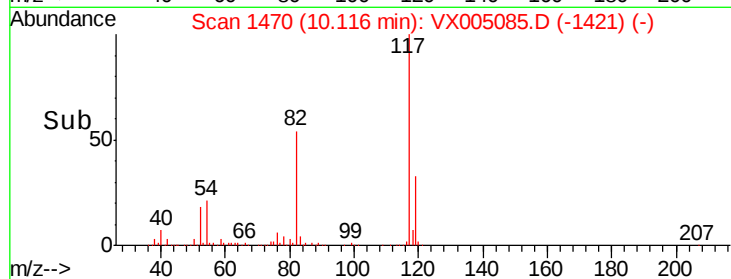
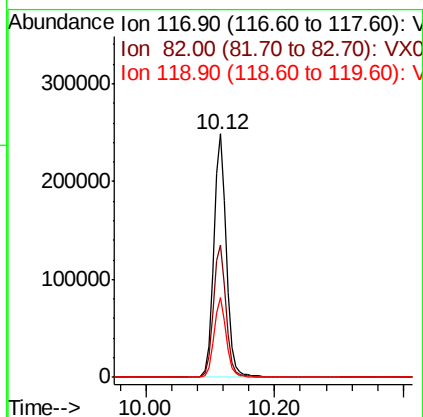
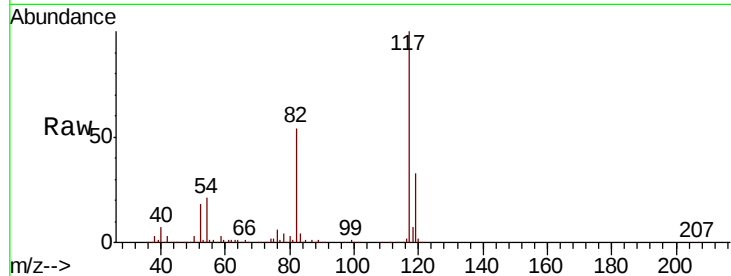




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005085.D
Acq: 05 Oct 2018 23:45

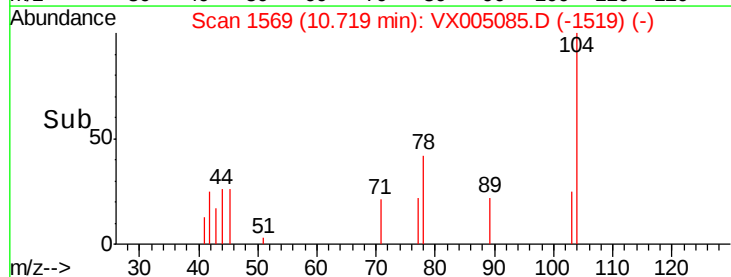
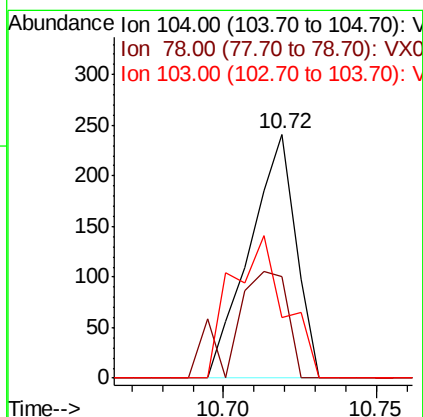
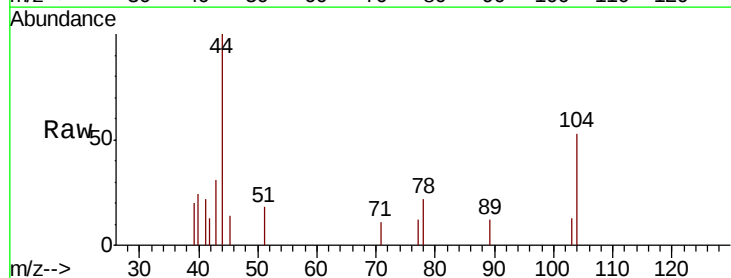
Instrument :
MSVOA_X
ClientSampleId :
PB113539TB

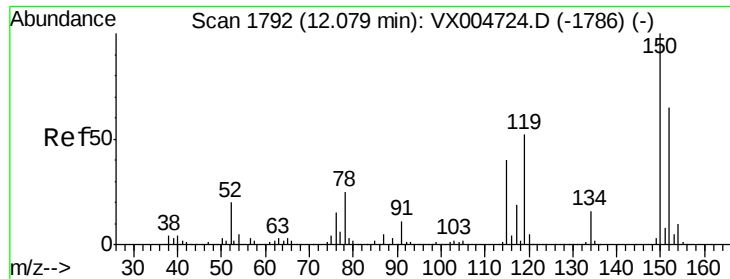
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.2	63.4
119	33.0	27.4	41.0



#70
Styrene
Concen: 2.166 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX005085.D
Acq: 05 Oct 2018 23:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.2	40.0	60.0
103	67.5	44.3	66.5#



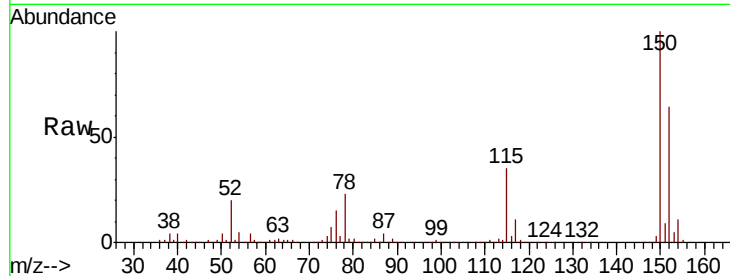


#72

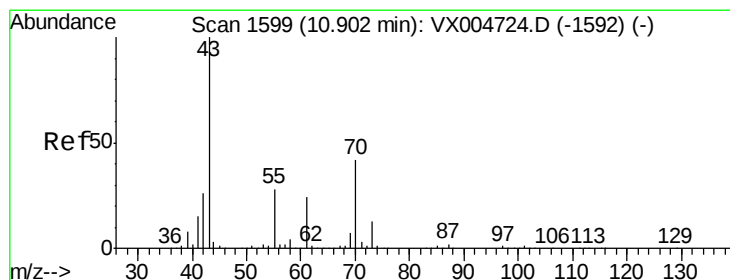
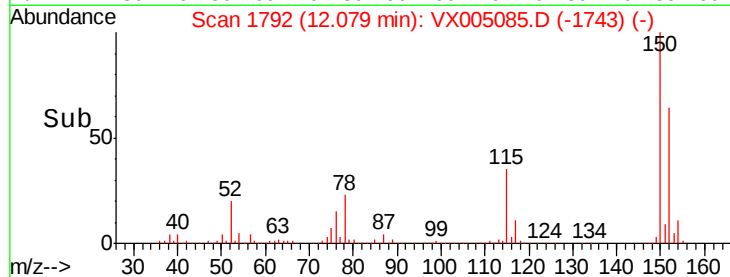
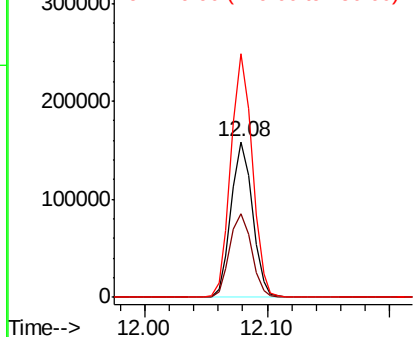
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005085.D
Acq: 05 Oct 2018 23:45

Instrument :
MSVOA_X
ClientSampleId :
PB113539TB

Tot Ion:152 Resp: 191324
Ion Ratio Lower Upper
152 100
115 55.5 40.2 120.6
150 156.5 0.0 351.0



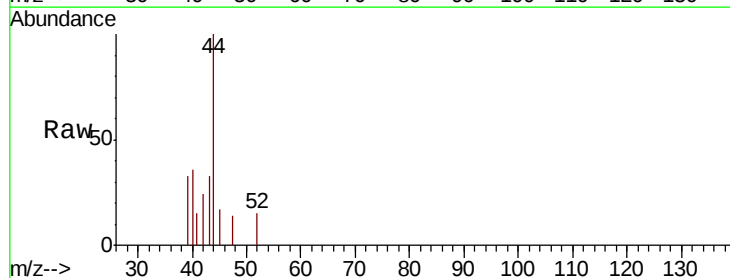
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



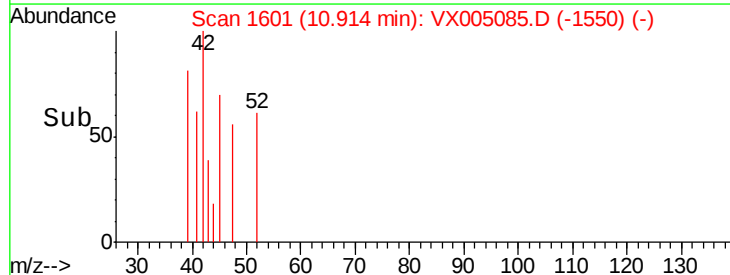
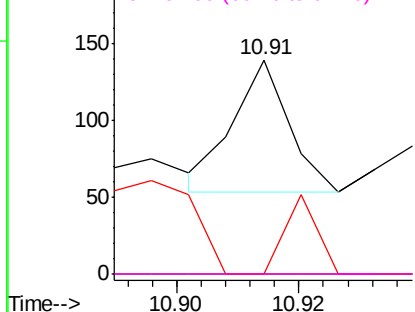
#74

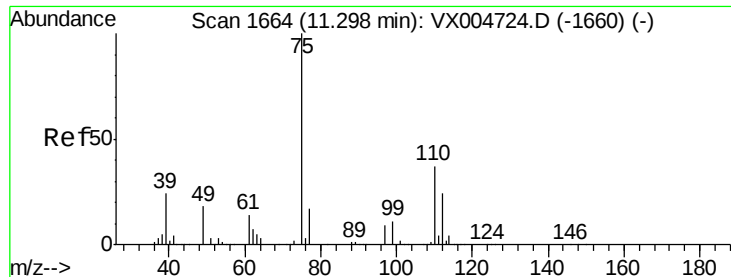
N-ethyl acetate
Concen: 1.756 ug/l
RT: 10.91 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VX005085.D
Acq: 05 Oct 2018 23:45

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
70 0.0 32.6 48.8#
55 113.0 21.6 32.4#
61 0.0 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0

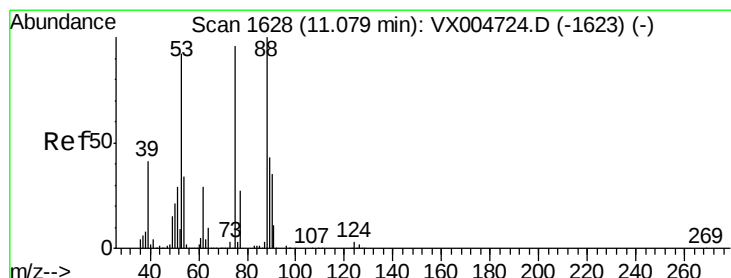
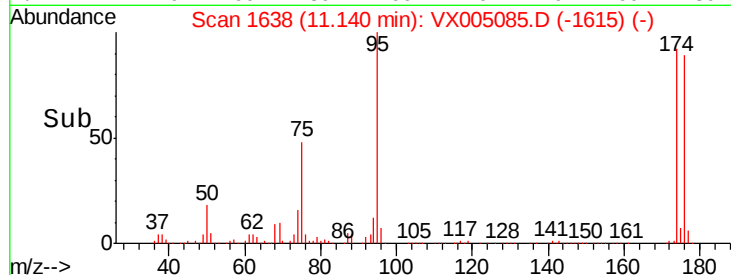
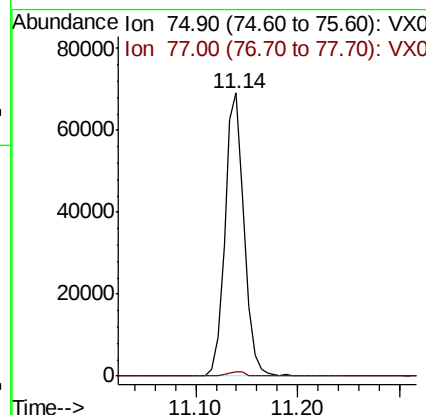
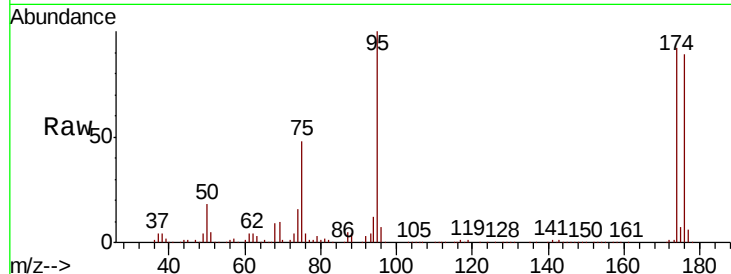




#76
 1,2,3-Trichloropropane
 Concen: 20.963 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005085.D
 Acq: 05 Oct 2018 23:45

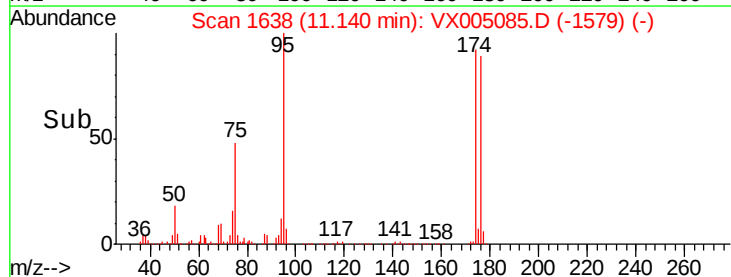
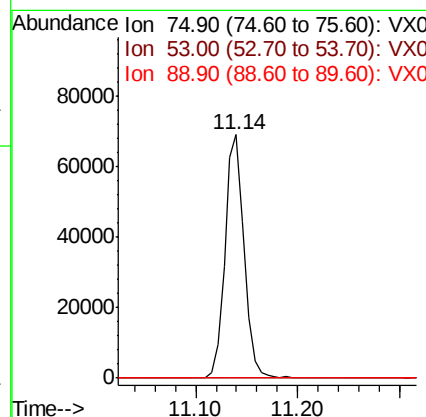
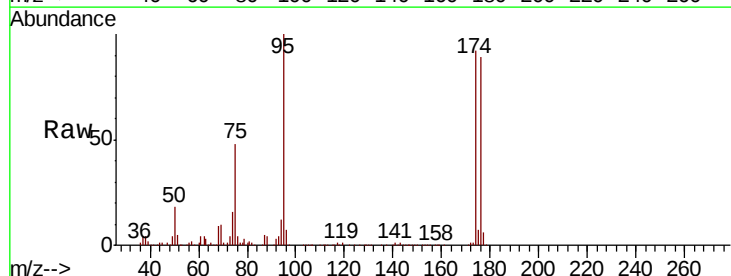
Instrument :
 MSVOA_X
 ClientSampleId :
 PB113539TB

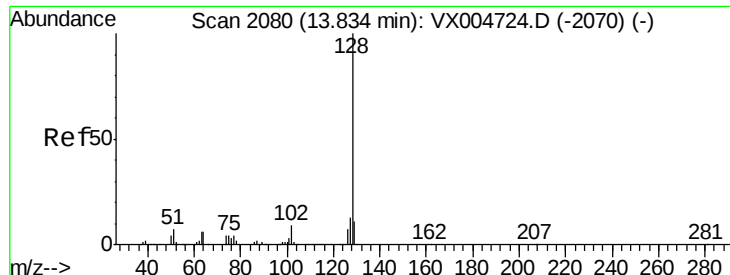
Tot Ion: 75 Resp: 89894
 Ion Ratio Lower Upper
 75 100
 77 1.6 21.4 64.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.888 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX005085.D
 Acq: 05 Oct 2018 23:45

Tgt Ion: 75 Resp: 89894
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.2 120.4#
 89 0.0 37.1 55.7#





#95

Naphthalene

Concen: 0.758 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX005085.D

Acq: 05 Oct 2018 23:45

Instrument :

MSVOA_X

ClientSampleId :

PB113539TB

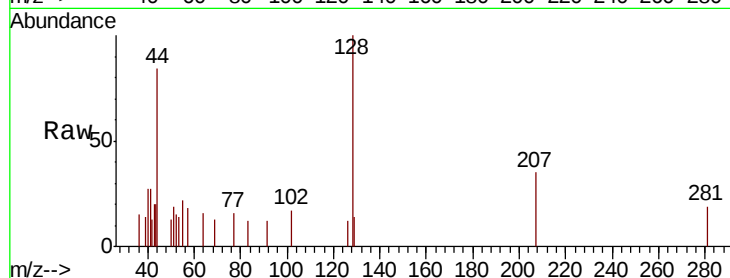
Tot Ion:128 Resp: 618

Ion Ratio Lower Upper

128 100

127 3.7 10.4 15.6#

129 7.3 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

