

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007734.D
 Acq On : 22 Sep 2018 14:49
 Operator : SY/MD
 Sample : VSTD10066
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

Quant Time: Sep 24 02:13:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 02:11:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	197969	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	196507	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	116980	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	106751	108.31	ug/L	0.00
7) Chloroethane-d5	1.58	69	97576	106.65	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	250453	102.25	ug/L	0.00
21) 2-Butanone-d5	3.95	46	149180	211.04	ug/L	0.00
24) Chloroform-d	4.41	84	232906	114.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	149876	106.72	ug/L	0.00
32) Benzene-d6	5.11	84	449302	104.63	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	131537	104.13	ug/L	0.00
41) Toluene-d8	7.36	98	473160	106.23	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	72179	115.28	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	124921	211.70	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	216011	102.65	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	233588	101.69	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	133906	94.381 ug/L	99
3) Chloromethane	1.25	50	108332	97.503 ug/L	100
5) Vinyl chloride	1.33	62	125605	98.868 ug/L	99
6) Bromomethane	1.53	94	97872	130.678 ug/L	97
8) Chloroethane	1.60	64	80660	88.861 ug/L	100
9) Trichlorofluoromethane	1.77	101	256415	95.113 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	143667	93.868 ug/L	98
12) 1,1-Dichloroethene	2.14	96	126723	93.942 ug/L	92
13) Acetone	2.19	43	139150	201.503 ug/L	99
14) Carbon disulfide	2.32	76	333225	100.861 ug/L	100
15) Methyl Acetate	2.46	43	129280	96.585 ug/L	99
16) Methylene chloride	2.54	84	138847	93.306 ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	141101	95.889 ug/L	99
18) Methyl tert-butyl Ether	2.81	73	428591	95.185 ug/L	100
19) 1,1-Dichloroethane	3.23	63	183561	96.062 ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	130201	96.863 ug/L	100
22) 2-Butanone	4.04	43	159931	198.682 ug/L	100
23) Bromochloromethane	4.31	128	72801	98.975 ug/L	99
25) Chloroform	4.43	83	220774	91.524 ug/L	98
27) 1,2-Dichloroethane	5.19	62	176020	97.077 ug/L	100
29) Cyclohexane	4.73	56	166278	94.872 ug/L	100
30) 1,1,1-Trichloroethane	4.67	97	205367	95.735 ug/L	100
31) Carbon tetrachloride	4.88	117	193255	101.055 ug/L	100
33) Benzene	5.15	78	459529	96.207 ug/L	100
34) Trichloroethene	5.96	95	132600	96.550 ug/L	98
35) Methylcyclohexane	6.18	83	209684	98.858 ug/L	99
37) 1,2-Dichloropropane	6.23	63	113222	94.235 ug/L	99
38) Bromodichloromethane	6.56	83	164639	101.050 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	196254	105.253 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	309227	192.604 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007734.D
 Acq On : 22 Sep 2018 14:49
 Operator : SY/MD
 Sample : VSTD10066
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

Quant Time: Sep 24 02:13:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 02:11:09 2018
 Response via : Initial Calibration

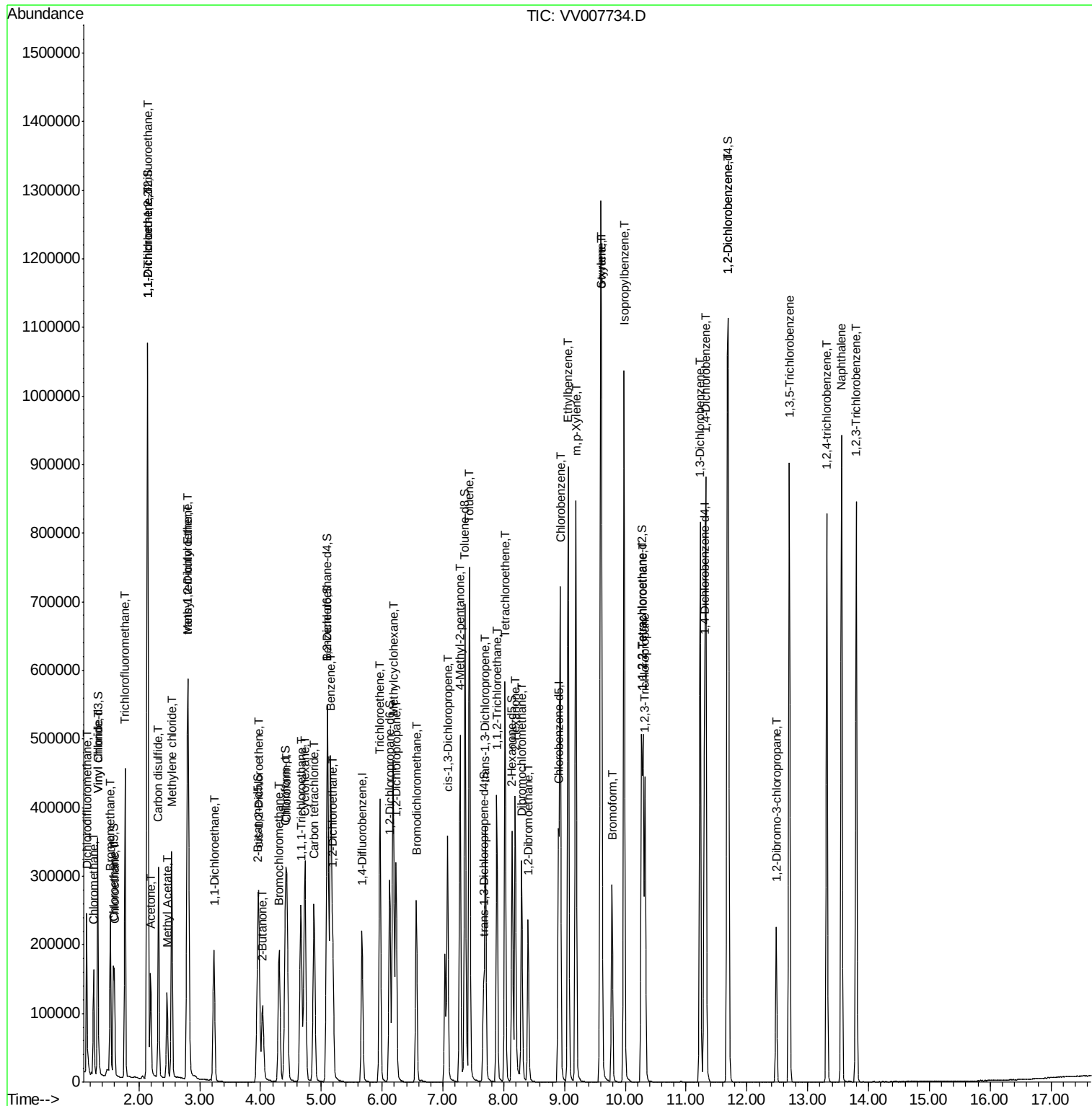
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	548036	98.195	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	192952	109.267	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	128833	95.931	ug/L	98
46) Tetrachloroethene	8.02	164	135284	95.974	ug/L	100
48) 2-Hexanone	8.19	43	248615	197.970	ug/L	96
49) Dibromochloromethane	8.30	129	160352	105.644	ug/L	100
50) 1,2-Dibromoethane	8.40	107	147209	99.848	ug/L	100
51) Chlorobenzene	8.93	112	389187	96.833	ug/L	99
52) Ethylbenzene	9.06	91	630752	98.880	ug/L	99
53) m,p-Xylene	9.19	106	253579	100.055	ug/L	98
54) o-xylene	9.59	106	246995	98.178	ug/L	99
55) Styrene	9.61	104	432907	101.565	ug/L	99
56) Isopropylbenzene	9.98	105	677935	101.183	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	214262	94.751	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	166555	93.896	ug/L	100
61) Bromoform	9.78	173	128718	105.019	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	351722	95.237	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	364418	96.745	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	357405	92.978	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	46873	103.302	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	302459	103.168	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	272843	112.237	ug/L	100
69) Naphthalene	13.56	128	754297	120.266	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	276782	110.378	ug/L	99

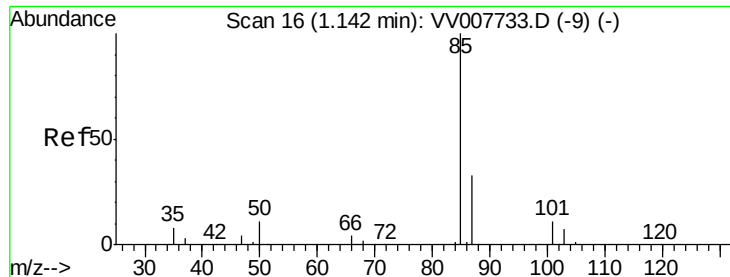
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV092318\  
Data File : VV007734.D  
Acq On    : 22 Sep 2018   14:49  
Operator  : SY/MD  
Sample    : VSTD10066  
Misc      : 5.0 mL/MSV0A_V/WATER  
ALS Vial  : 6      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

Quant Time: Sep 24 02:13:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 24 02:11:09 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 94.381 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

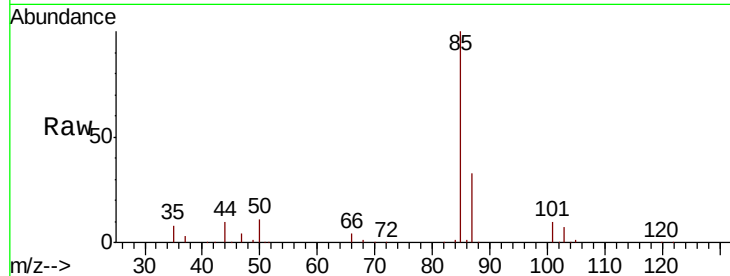
VSTD10066

Tgt Ion: 85 Resp: 133906

Ion Ratio Lower Upper

85 100

87 32.8 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VV007733.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV007733.D (-9) (-)

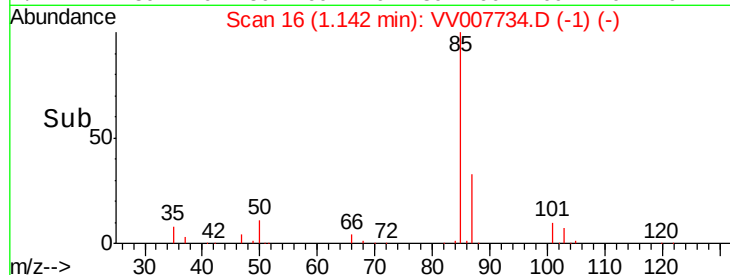
1.14

100000

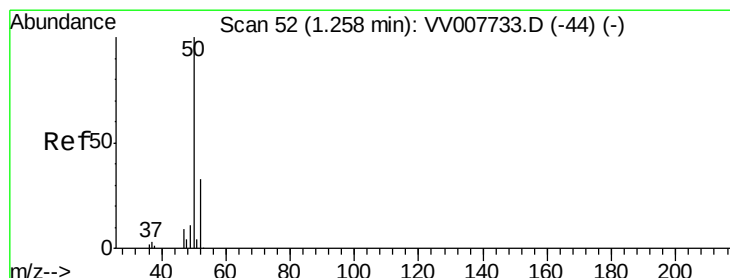
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 97.503 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007734.D

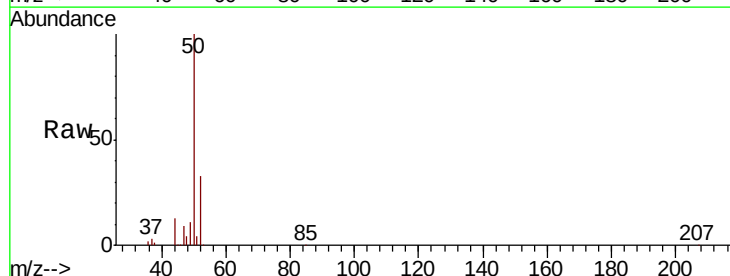
Acq: 22 Sep 2018 14:49

Tgt Ion: 50 Resp: 108332

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007733.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV007733.D (-44) (-)

1.25

100000

80000

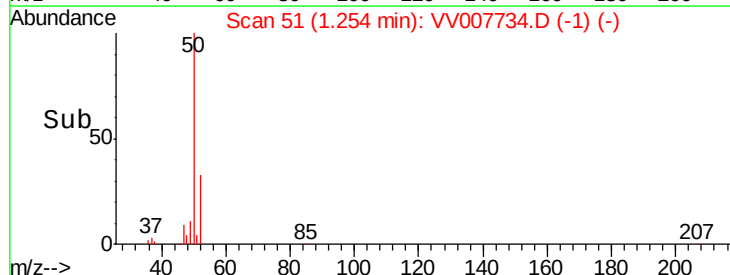
60000

40000

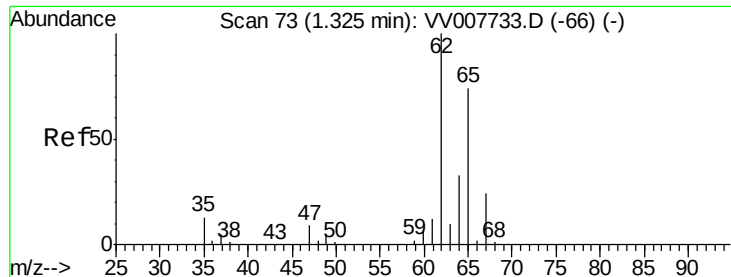
20000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 98.868 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

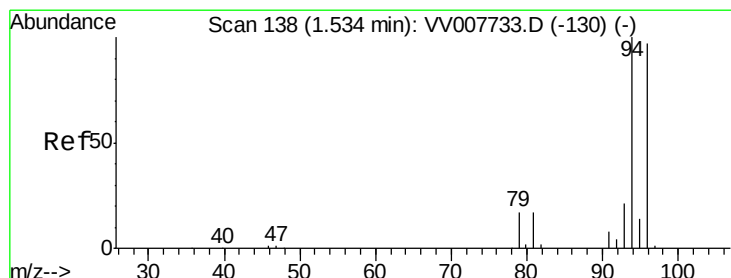
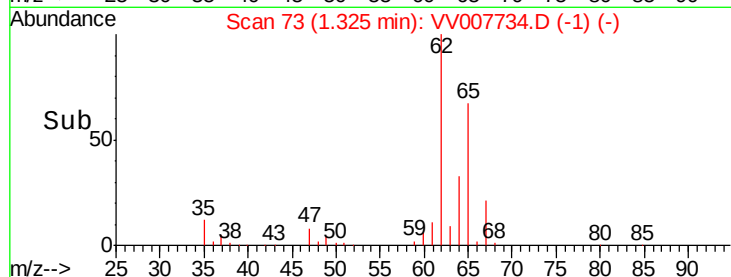
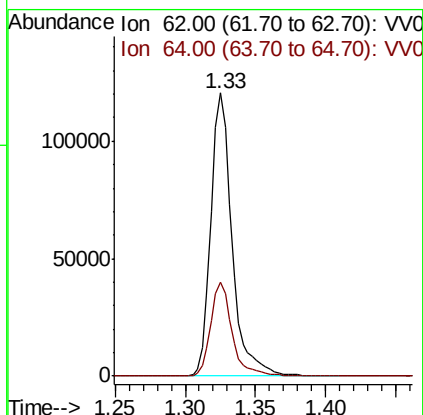
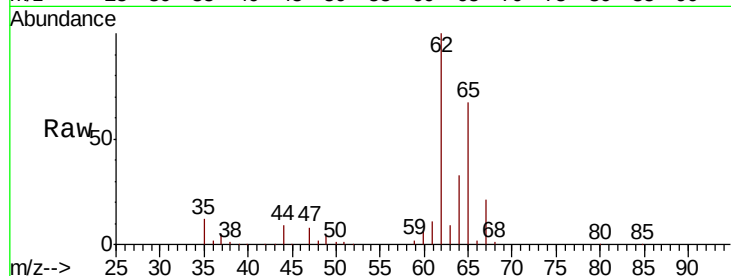
VSTD10066

Tgt Ion: 62 Resp: 125605

Ion Ratio Lower Upper

62 100

64 33.0 23.4 43.6



#6

Bromomethane

Concen: 130.678 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV007734.D

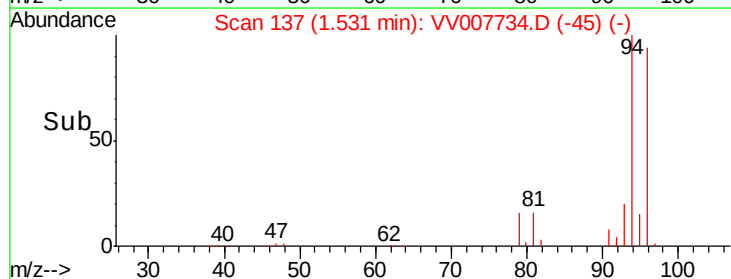
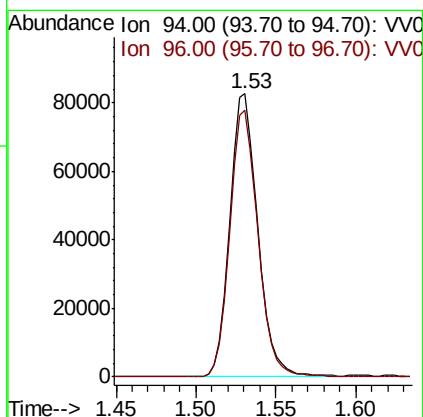
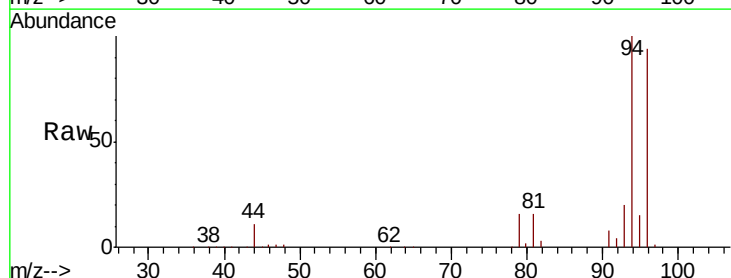
Acq: 22 Sep 2018 14:49

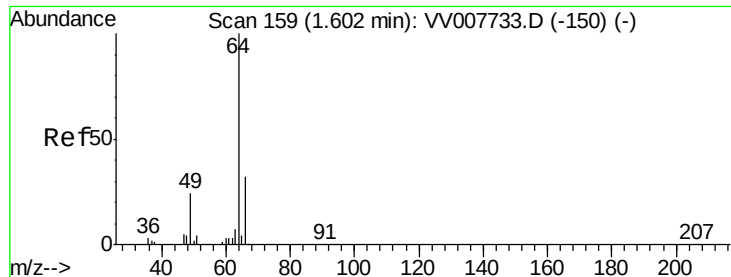
Tgt Ion: 94 Resp: 97872

Ion Ratio Lower Upper

94 100

96 94.4 68.2 126.6





#8

Chloroethane

Concen: 88.861 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

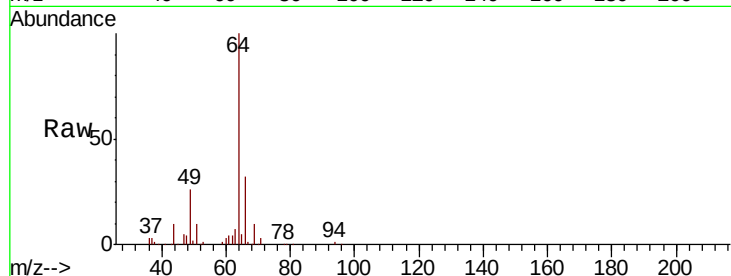
VSTD10066

Tgt Ion: 64 Resp: 80660

Ion Ratio Lower Upper

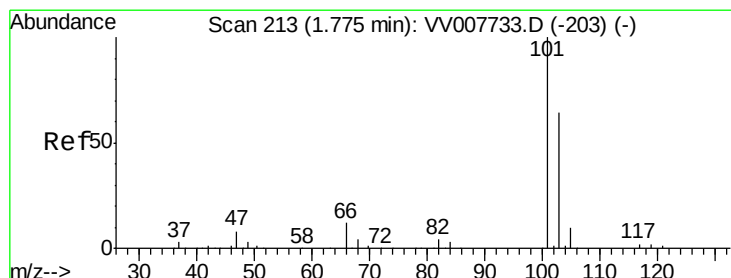
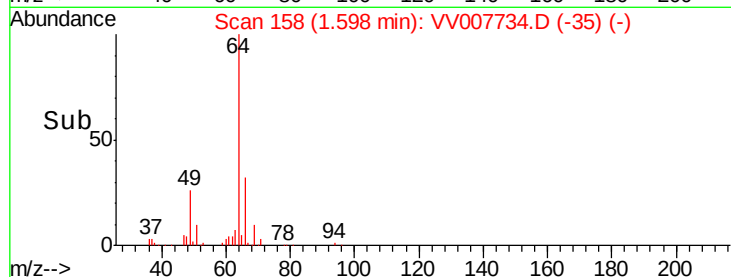
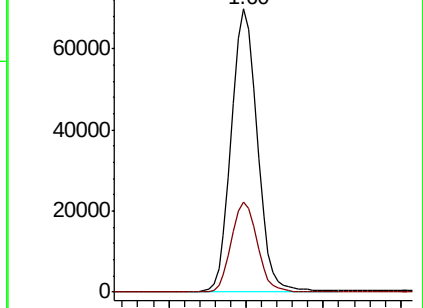
64 100

66 32.0 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VV007733.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV007733.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 95.113 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007734.D

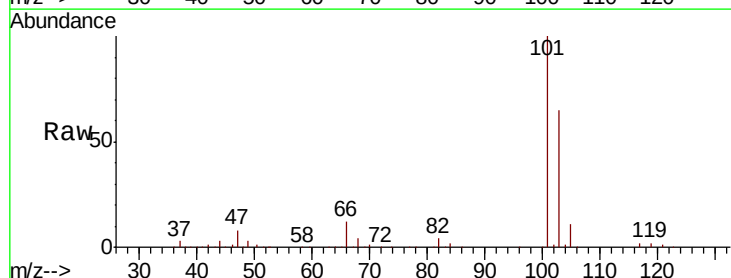
Acq: 22 Sep 2018 14:49

Tgt Ion: 101 Resp: 256415

Ion Ratio Lower Upper

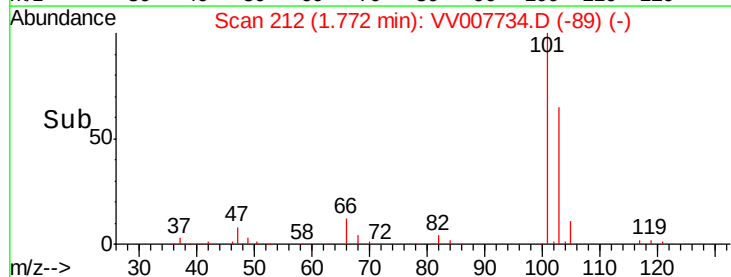
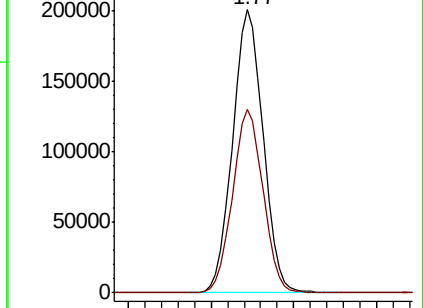
101 100

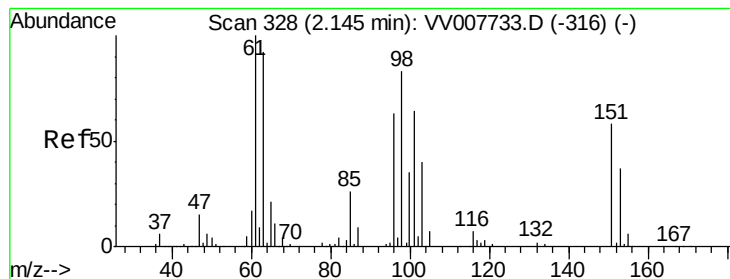
103 64.9 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV007733.D (-203) (-)

Ion 103.00 (102.70 to 103.70): VV007733.D (-203) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 93.868 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampled :

VSTD10066

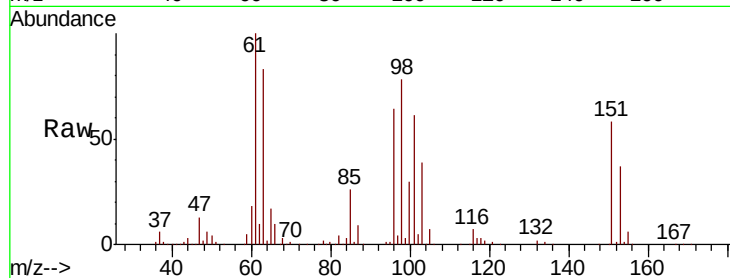
Tgt Ion: 101 Resp: 143667

Ion Ratio Lower Upper

101 100

85 42.0 32.7 49.1

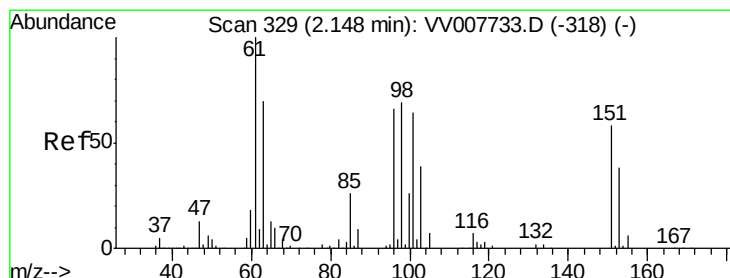
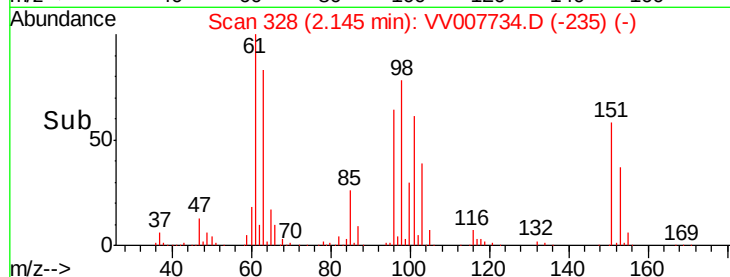
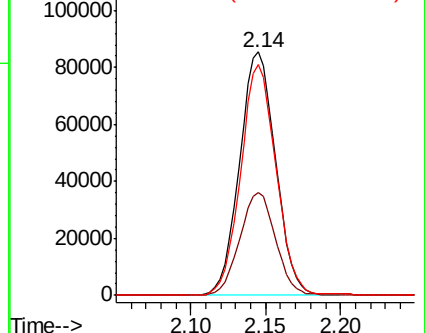
151 92.8 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 93.942 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

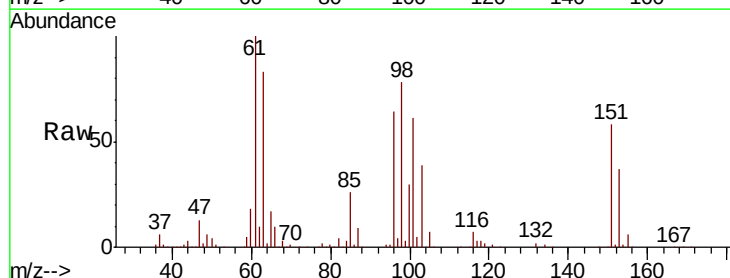
Tgt Ion: 96 Resp: 126723

Ion Ratio Lower Upper

96 100

61 156.6 107.3 199.3

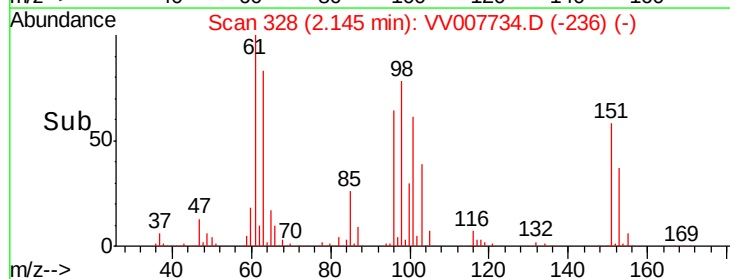
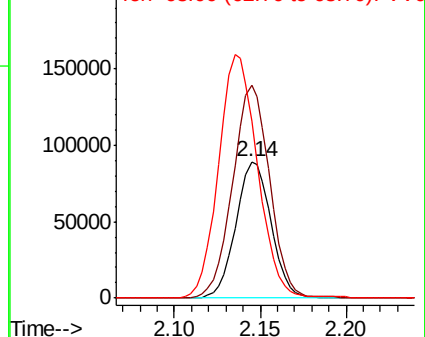
63 130.0 78.8 146.4

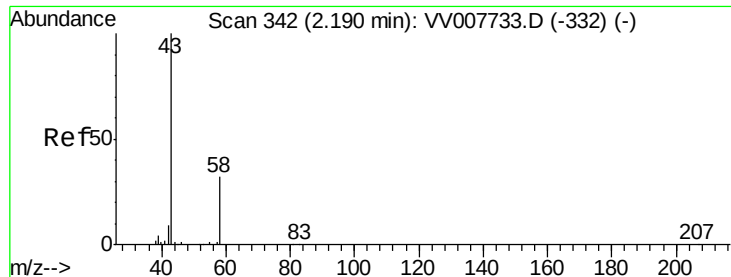


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 201.503 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

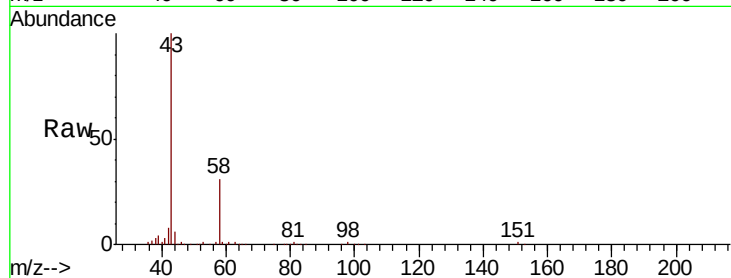
VSTD10066

Tgt Ion: 43 Resp: 139150

Ion Ratio Lower Upper

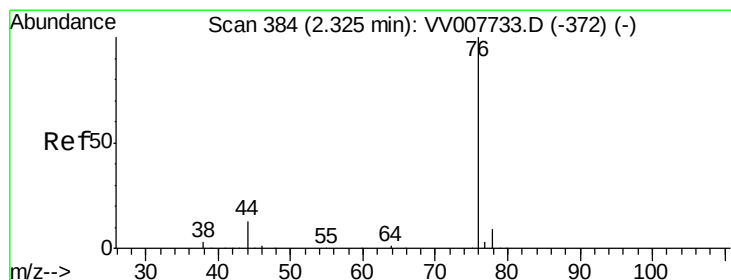
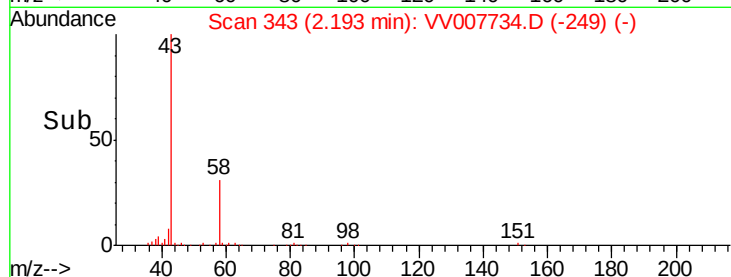
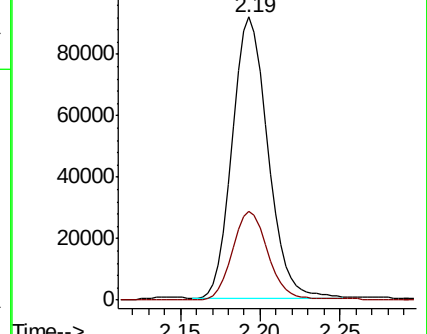
43 100

58 32.0 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV007733.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV007733.D (-332) (-)



#14

Carbon disulfide

Concen: 100.861 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007734.D

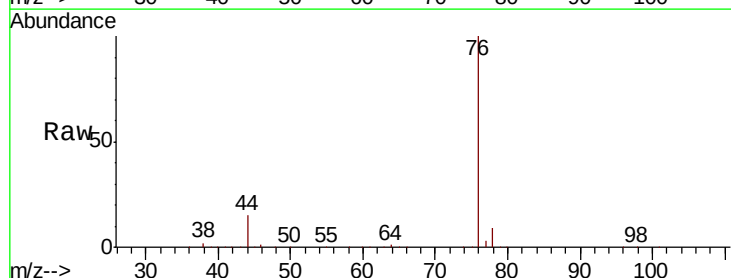
Acq: 22 Sep 2018 14:49

Tgt Ion: 76 Resp: 333225

Ion Ratio Lower Upper

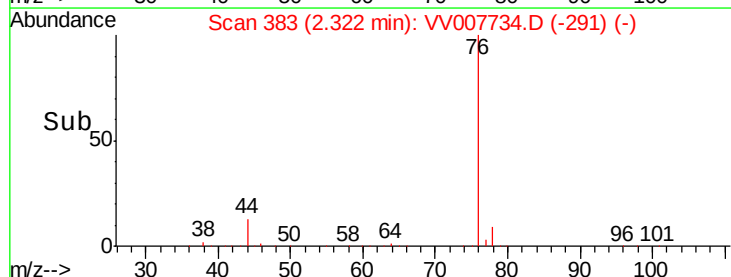
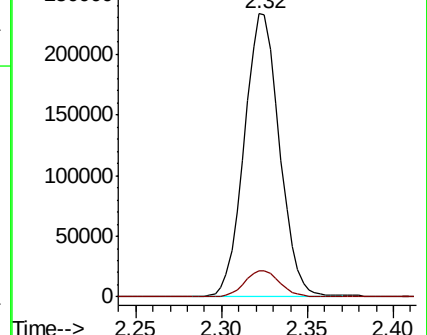
76 100

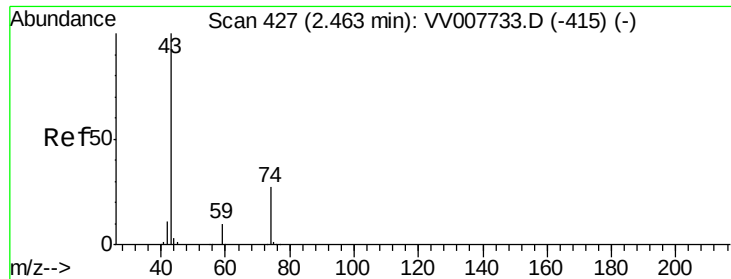
78 9.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV007733.D (-372) (-)

Ion 78.00 (77.70 to 78.70): VV007733.D (-372) (-)

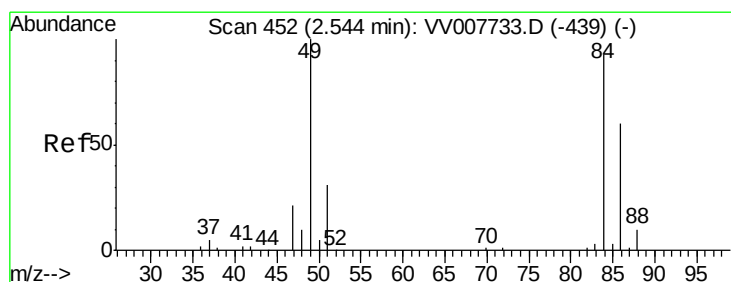
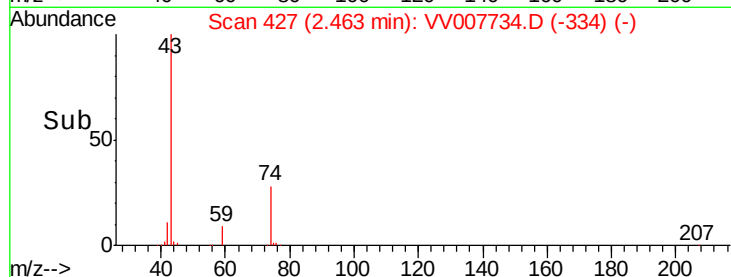
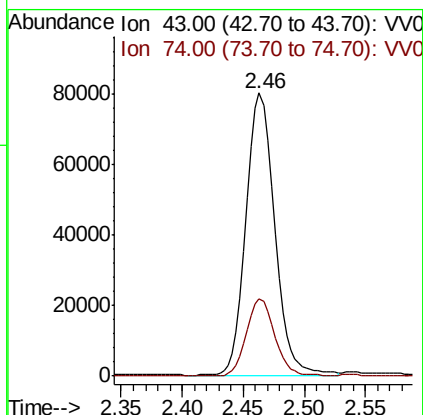
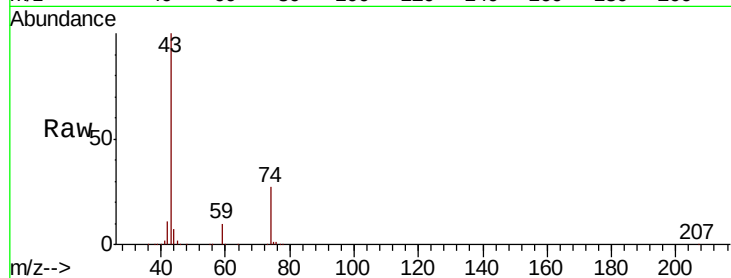




#15
Methyl Acetate
Concen: 96.585 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV007734.D
Acq: 22 Sep 2018 14:49

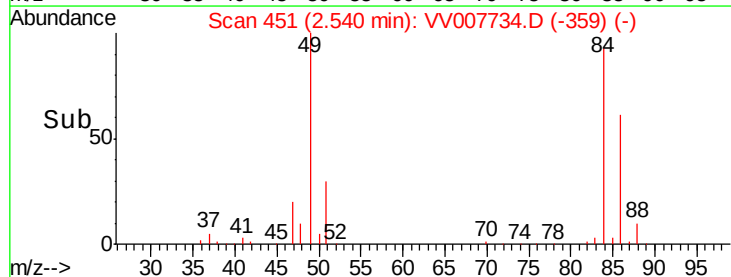
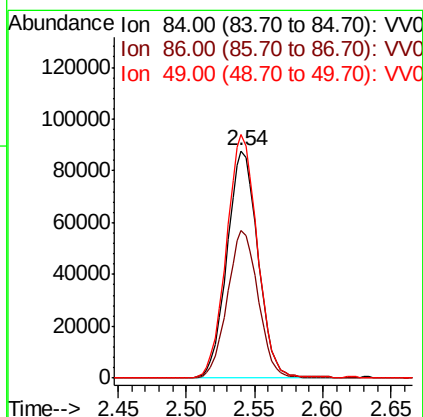
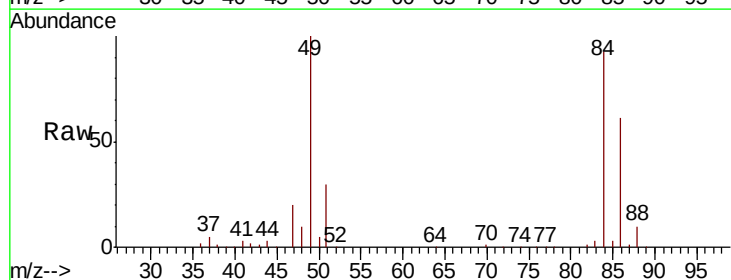
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

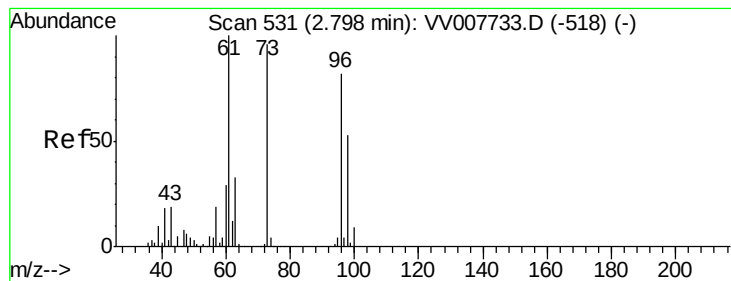
Tgt Ion: 43 Resp: 129280
Ion Ratio Lower Upper
43 100
74 27.2 22.2 33.2



#16
Methylene chloride
Concen: 93.306 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV007734.D
Acq: 22 Sep 2018 14:49

Tgt Ion: 84 Resp: 138847
Ion Ratio Lower Upper
84 100
86 64.9 45.4 84.4
49 107.1 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 95.889 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

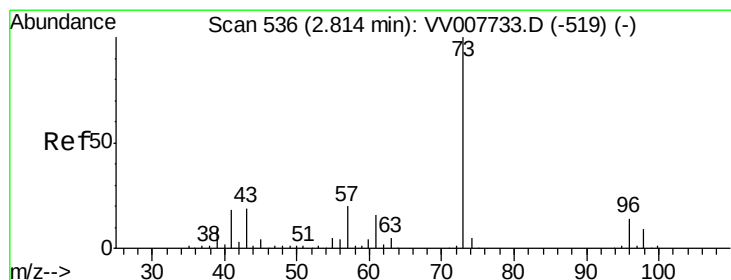
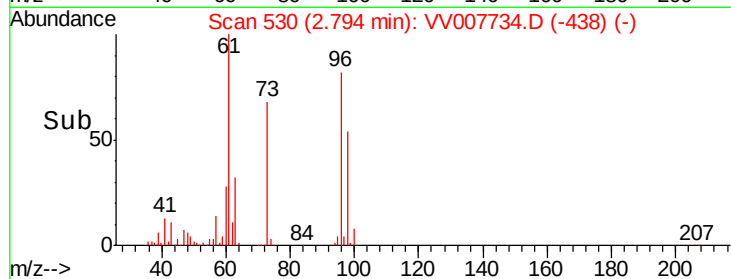
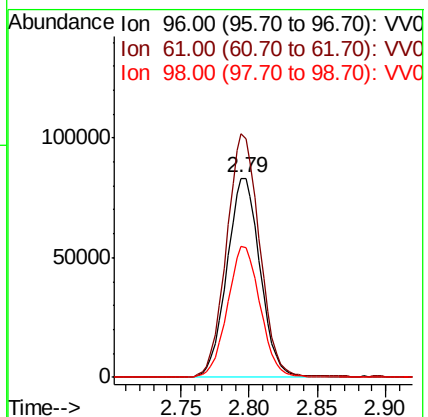
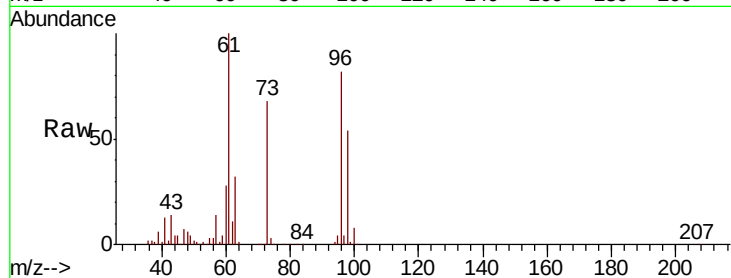
Tgt Ion: 96 Resp: 141101

Ion Ratio Lower Upper

96 100

61 122.2 84.9 157.7

98 65.7 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 95.185 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

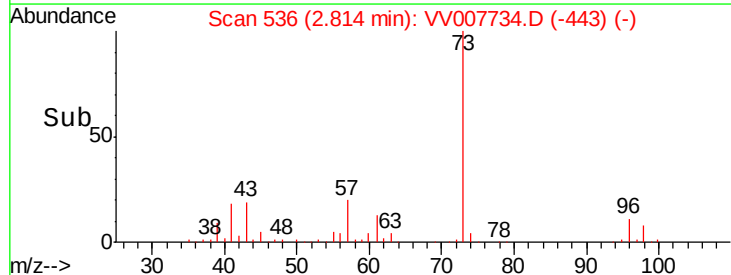
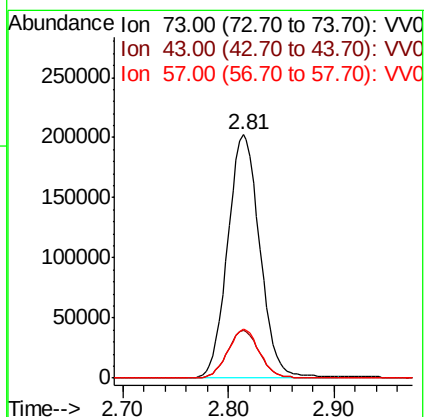
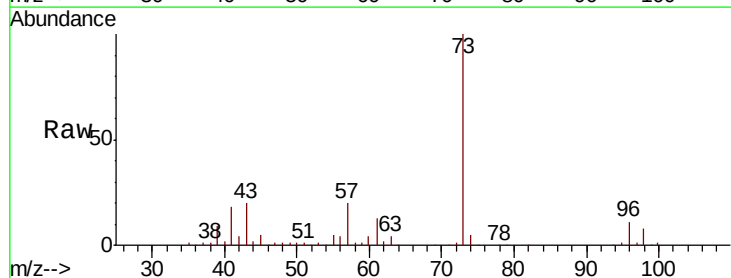
Tgt Ion: 73 Resp: 428591

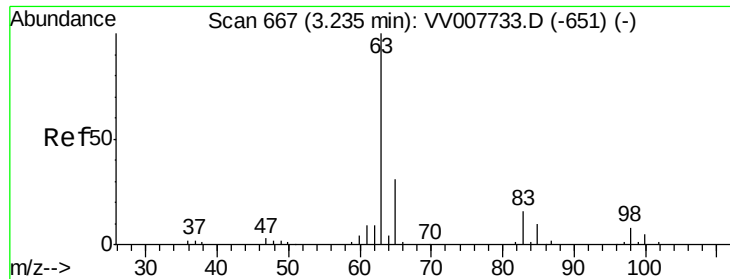
Ion Ratio Lower Upper

73 100

43 19.2 15.0 22.6

57 19.8 15.8 23.8

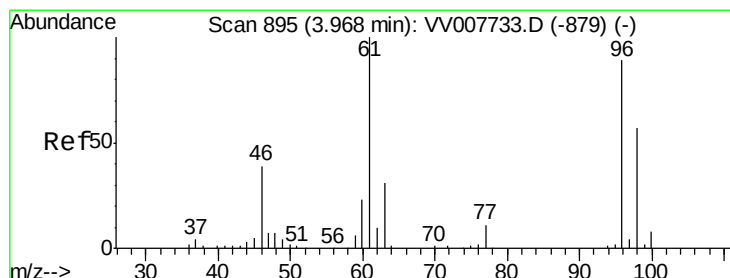
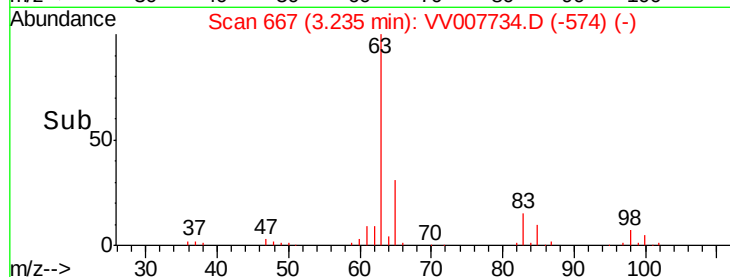
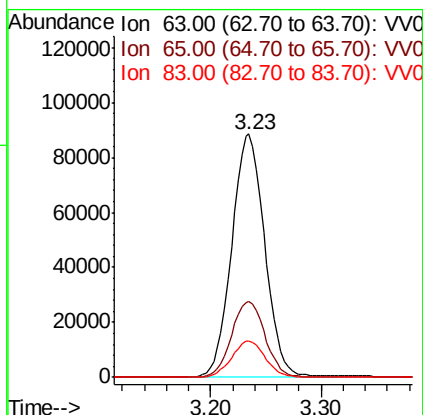
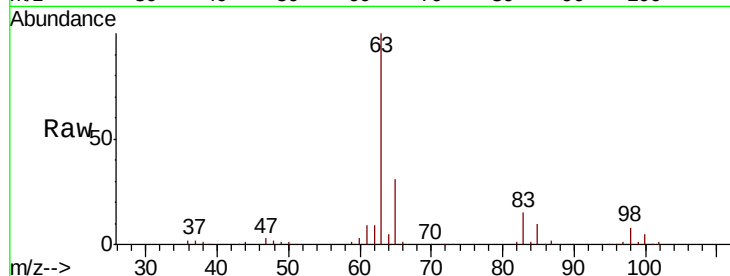




#19
 1,1-Dichloroethane
 Concen: 96.062 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VV007734.D
 Acq: 22 Sep 2018 14:49

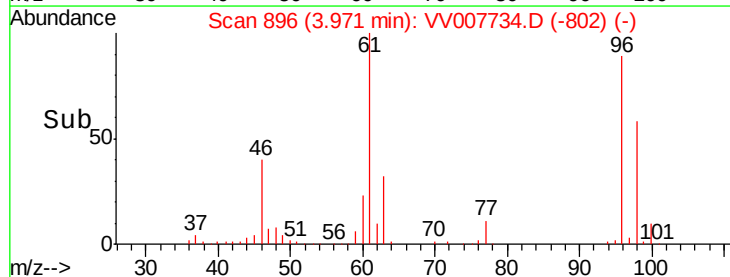
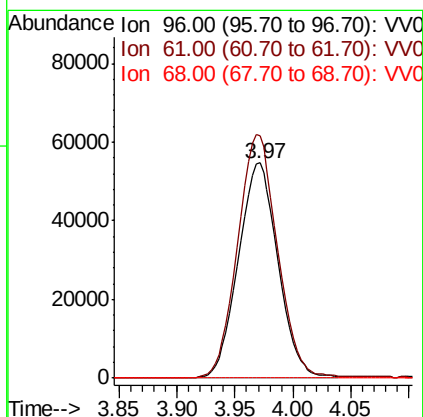
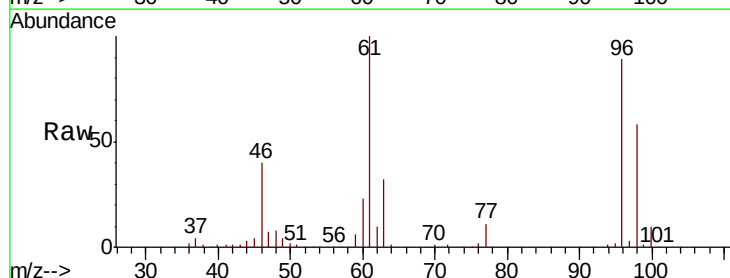
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

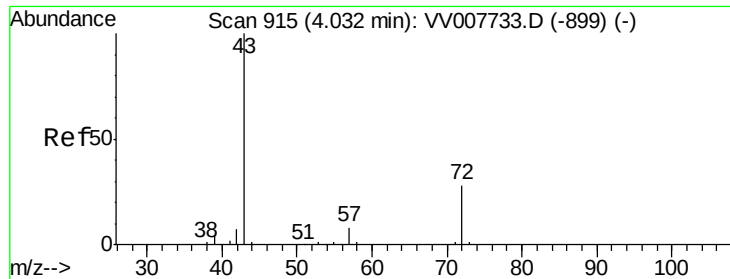
Tgt Ion: 63 Resp: 183561
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.6 40.2
 83 14.9 11.2 20.8



#20
 cis-1,2-Dichloroethene
 Concen: 96.863 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV007734.D
 Acq: 22 Sep 2018 14:49

Tgt Ion: 96 Resp: 130201
 Ion Ratio Lower Upper
 96 100
 61 112.6 78.8 146.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 198.682 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampled :

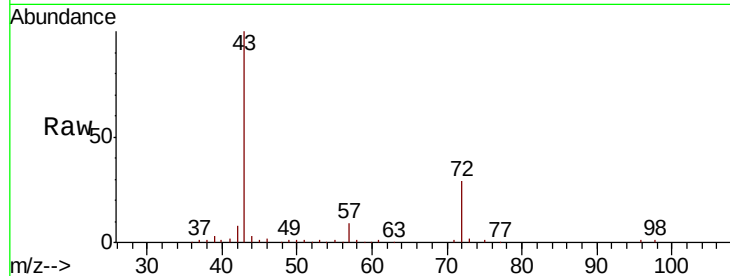
VSTD10066

Tgt Ion: 43 Resp: 159931

Ion Ratio Lower Upper

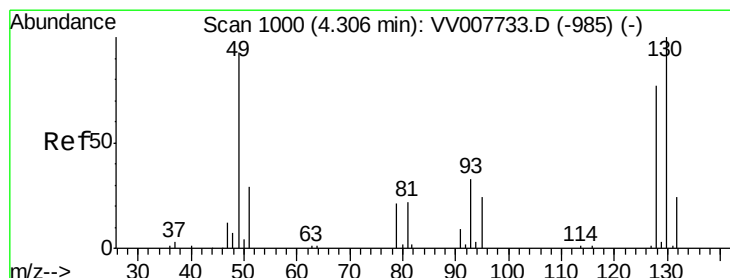
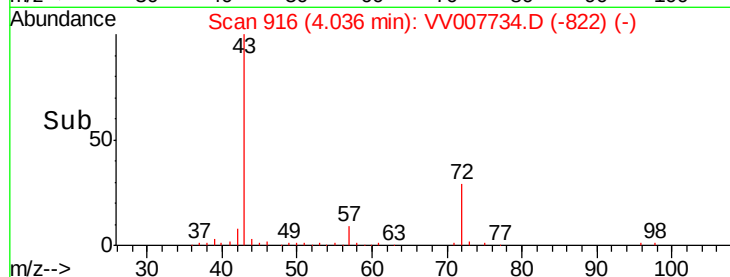
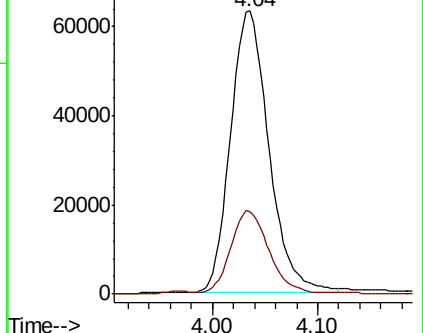
43 100

72 28.4 14.2 42.6



Abundance Ion 43.00 (42.70 to 43.70): VV007733.D (-899) (-)

Ion 72.00 (71.70 to 72.70): VV007733.D (-899) (-)



#23

Bromochloromethane

Concen: 98.975 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Tgt Ion: 128 Resp: 72801

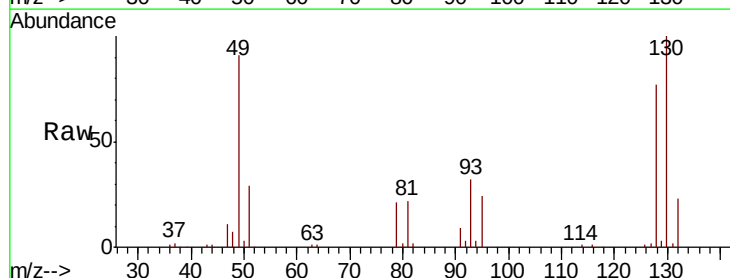
Ion Ratio Lower Upper

128 100

49 118.4 84.8 157.4

130 129.9 90.9 168.9

51 37.4 30.6 46.0

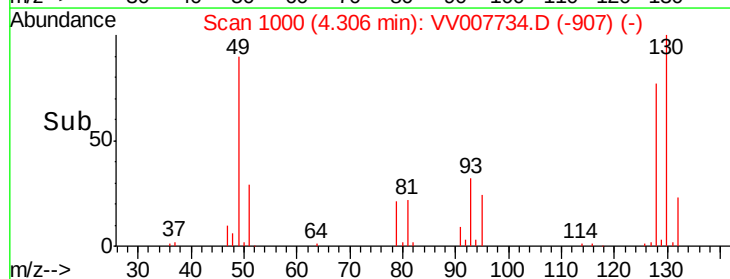
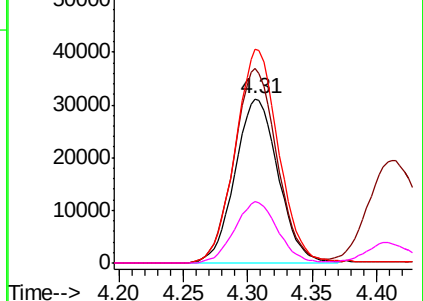


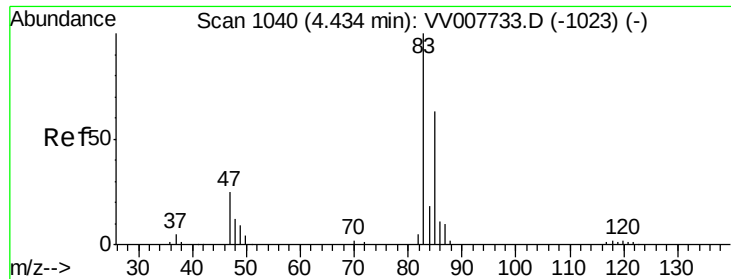
Abundance Ion 128.00 (127.70 to 128.70): VV007733.D (-985) (-)

Ion 49.00 (48.70 to 49.70): VV007733.D (-985) (-)

Ion 130.00 (129.70 to 130.70): VV007733.D (-985) (-)

Ion 51.00 (50.70 to 51.70): VV007733.D (-985) (-)

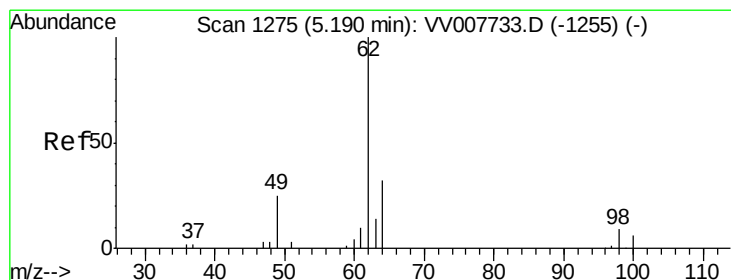
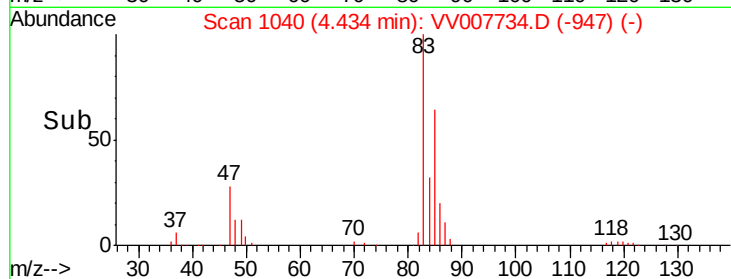
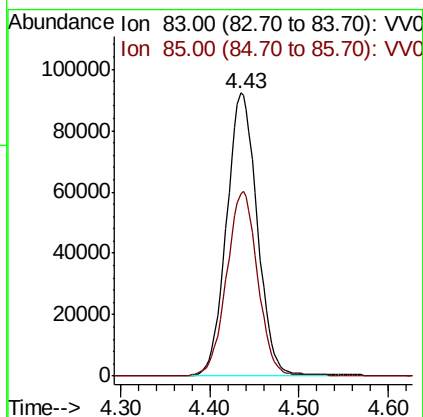
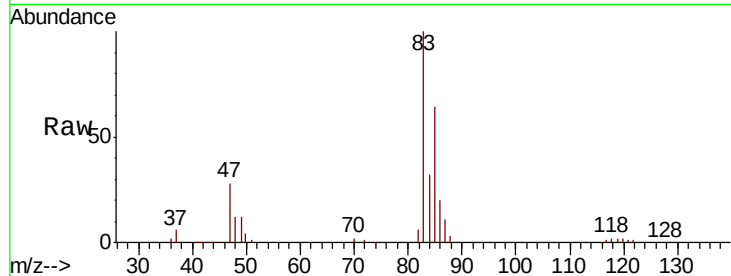




#25
Chloroform
Concen: 91.524 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV007734.D
Acq: 22 Sep 2018 14:49

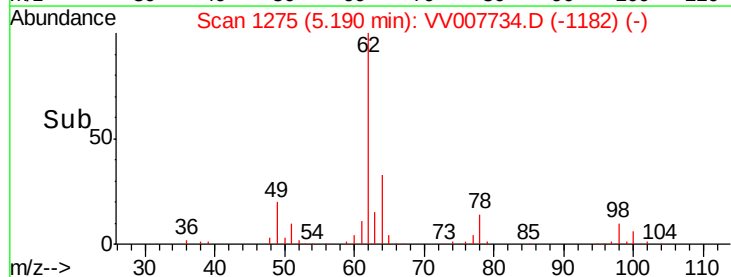
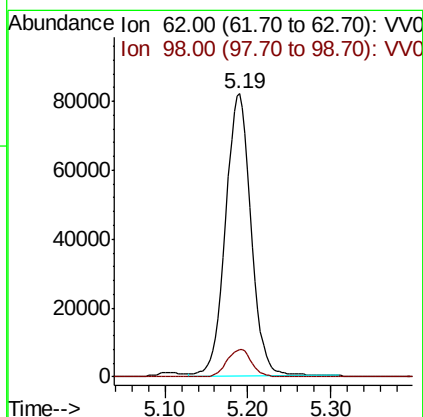
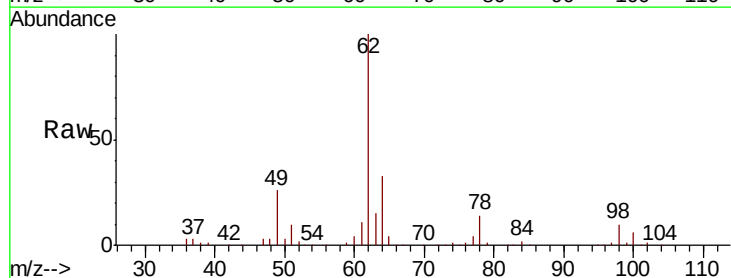
Instrument :
MSVOA_V
ClientSampled :
VSTD10066

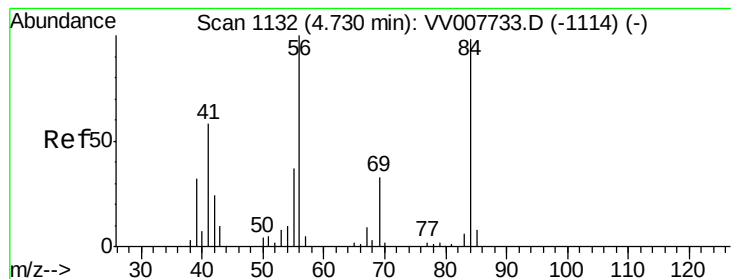
Tgt Ion: 83 Resp: 220774
Ion Ratio Lower Upper
83 100
85 64.4 44.0 81.8



#27
1,2-Dichloroethane
Concen: 97.077 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV007734.D
Acq: 22 Sep 2018 14:49

Tgt Ion: 62 Resp: 176020
Ion Ratio Lower Upper
62 100
98 9.6 7.5 11.3





#29

Cyclohexane

Concen: 94.872 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

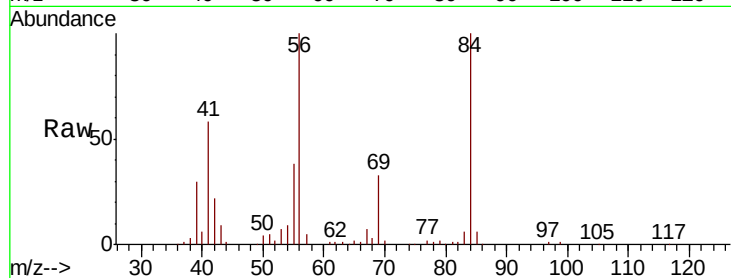
Tgt Ion: 56 Resp: 166278

Ion Ratio Lower Upper

56 100

69 32.4 26.1 39.1

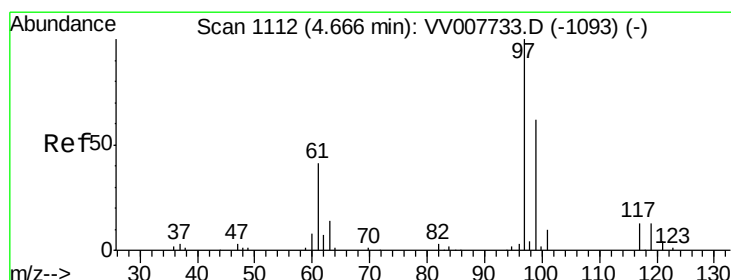
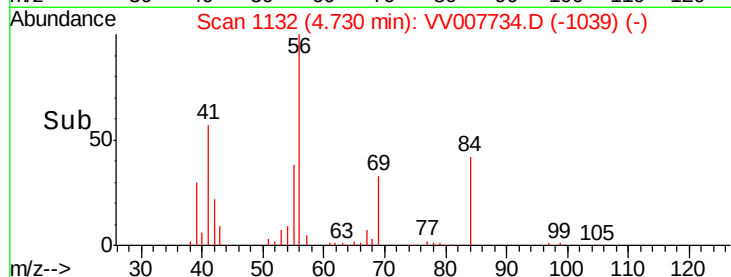
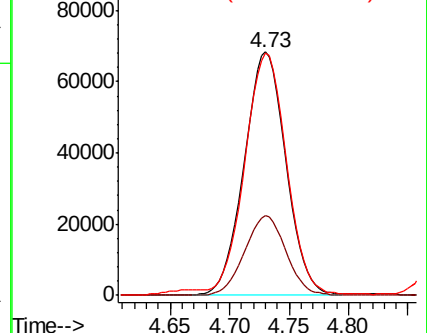
84 99.4 79.7 119.5



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 95.735 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

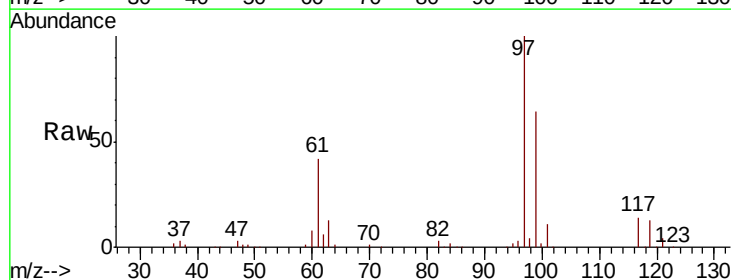
Tgt Ion: 97 Resp: 205367

Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.8

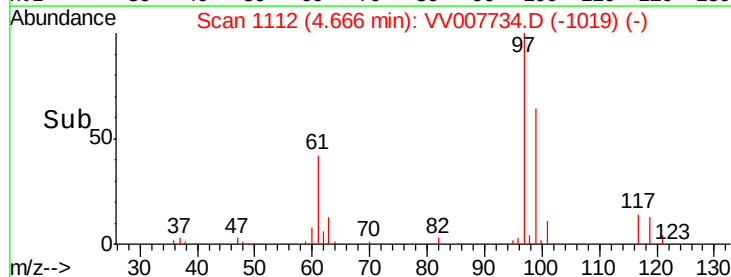
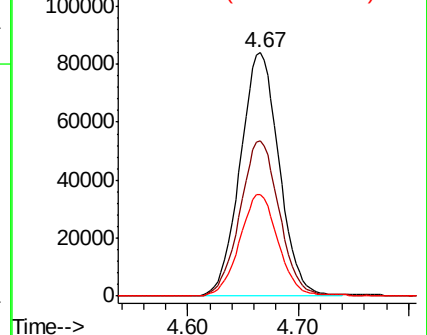
61 41.2 33.0 49.4

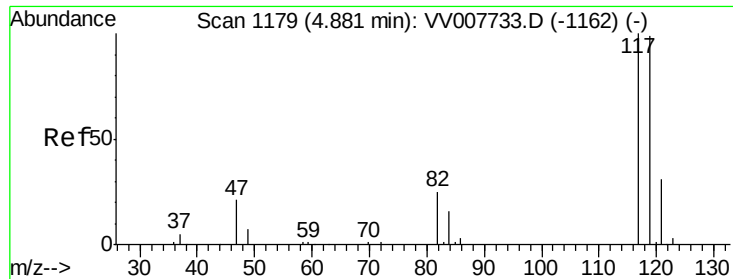


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 101.055 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

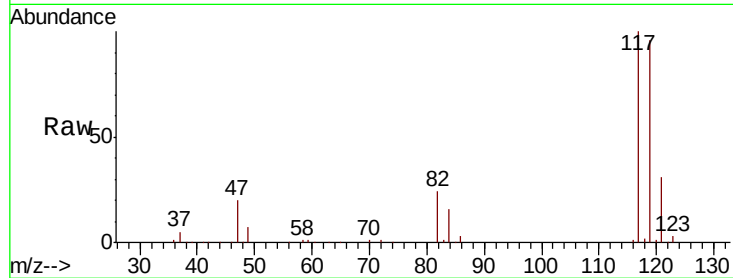
VSTD10066

Tgt Ion:117 Resp: 193255

Ion Ratio Lower Upper

117 100

119 96.4 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

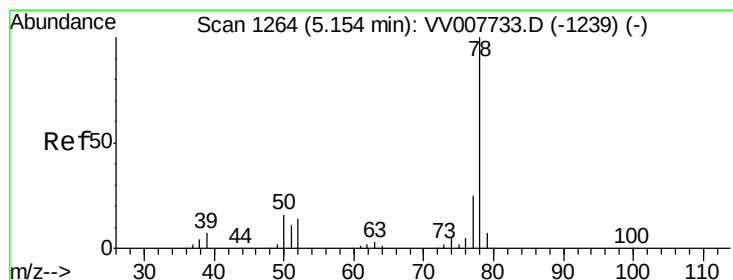
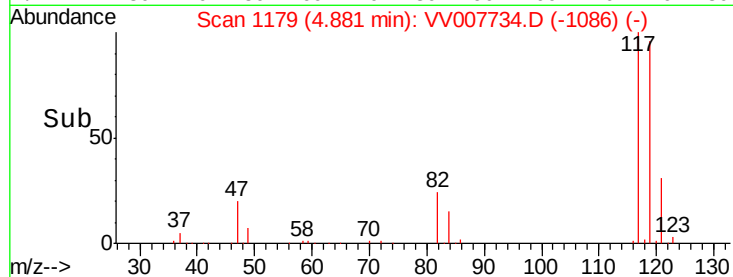
40000

20000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 96.207 ug/L

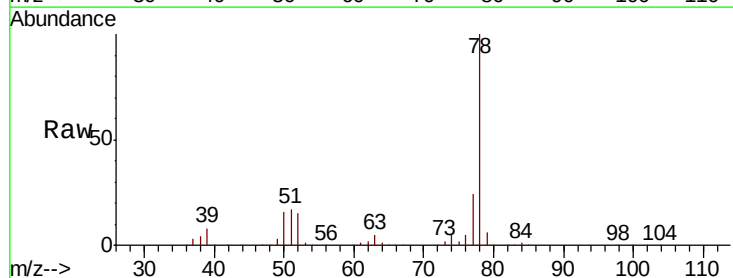
RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Tgt Ion: 78 Resp: 459529



Abundance Ion 78.00 (77.70 to 78.70): VV0

250000

200000

150000

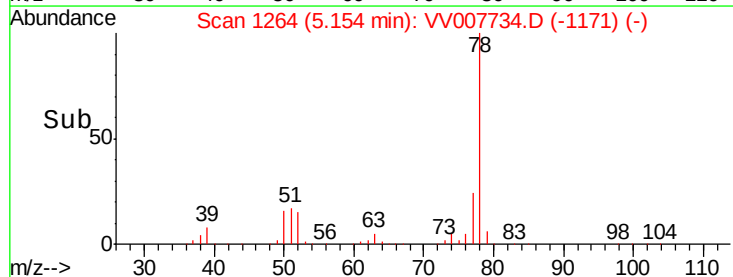
100000

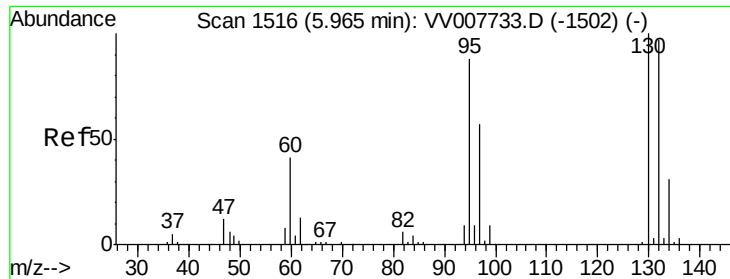
50000

0

5.00 5.10 5.20 5.30

Time-->





#34

Trichloroethene

Concen: 96.550 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

Tgt Ion: 95 Resp: 132600

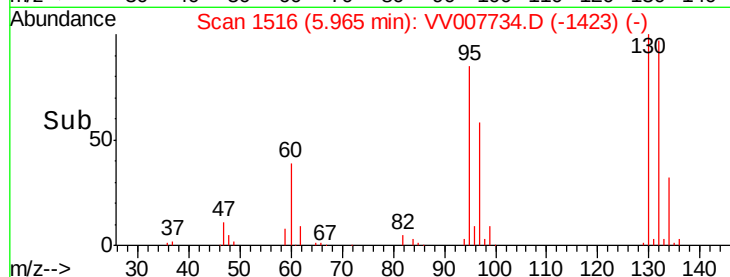
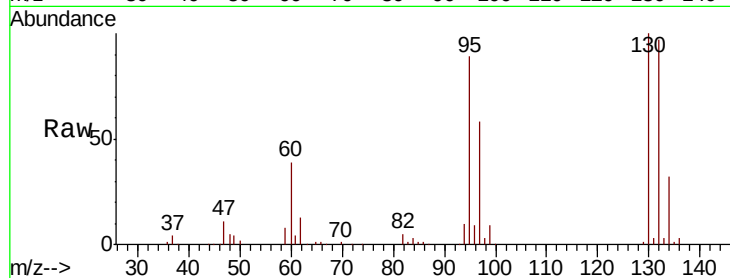
Ion Ratio Lower Upper

95 100

97 65.6 45.2 84.0

132 108.9 77.7 144.3

130 112.6 79.7 148.1

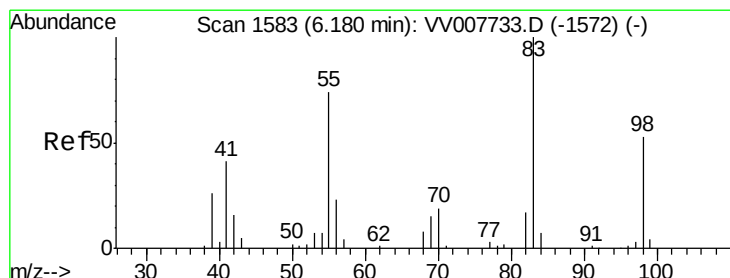
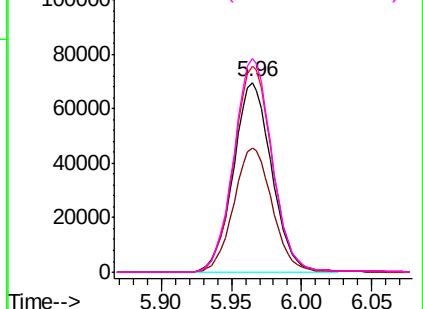


Abundance Ion 95.00 (94.70 to 95.70): VV007734.D (-1423) (-)

Ion 97.00 (96.70 to 97.70): VV007734.D (-1423) (-)

Ion 132.00 (131.70 to 132.70): VV007734.D (-1423) (-)

Ion 130.00 (129.70 to 130.70): VV007734.D (-1423) (-)



#35

Methylcyclohexane

Concen: 98.858 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

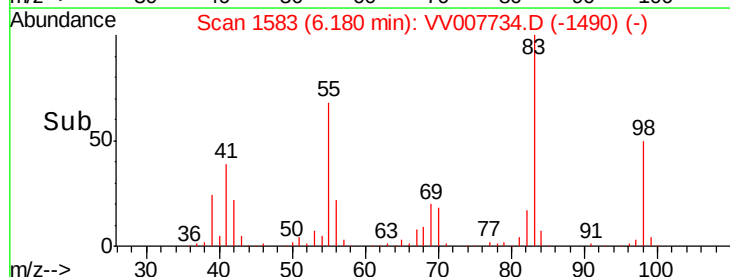
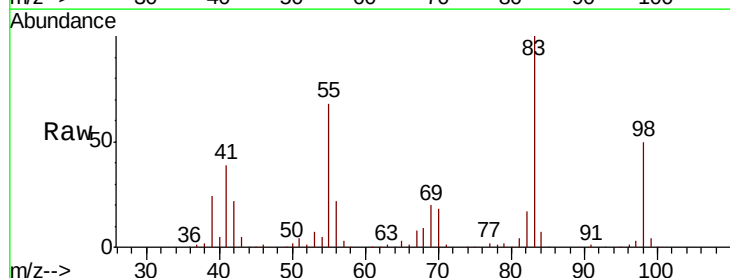
Tgt Ion: 83 Resp: 209684

Ion Ratio Lower Upper

83 100

55 67.6 54.6 82.0

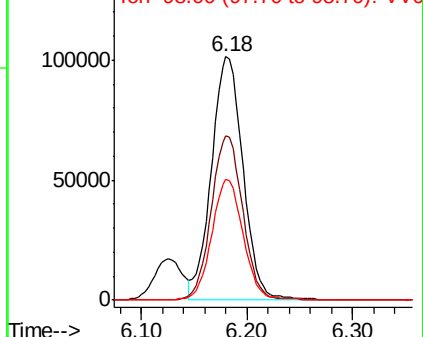
98 49.7 39.0 58.6

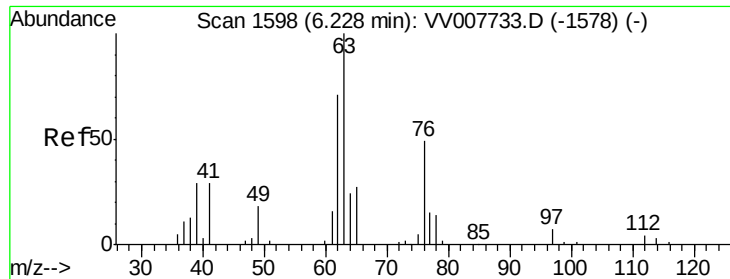


Abundance Ion 83.00 (82.70 to 83.70): VV007734.D (-1490) (-)

Ion 55.00 (54.70 to 55.70): VV007734.D (-1490) (-)

Ion 98.00 (97.70 to 98.70): VV007734.D (-1490) (-)

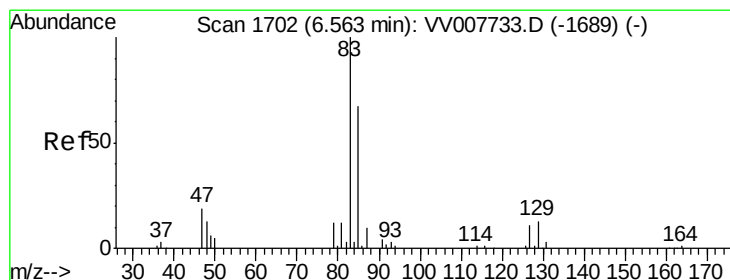
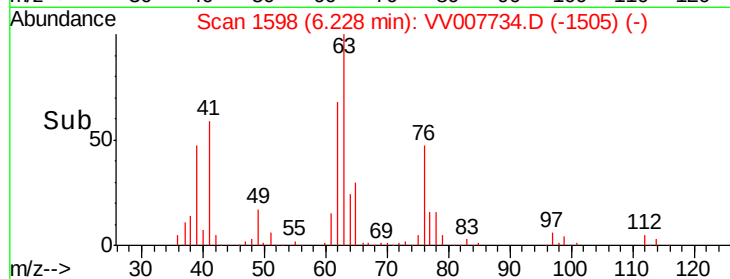
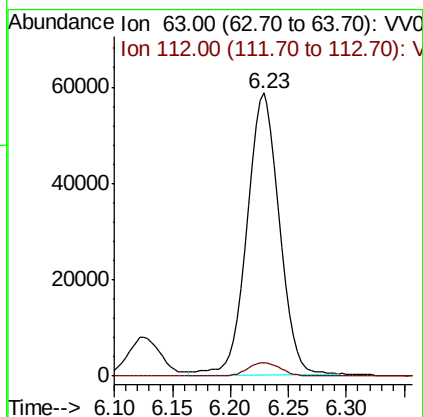
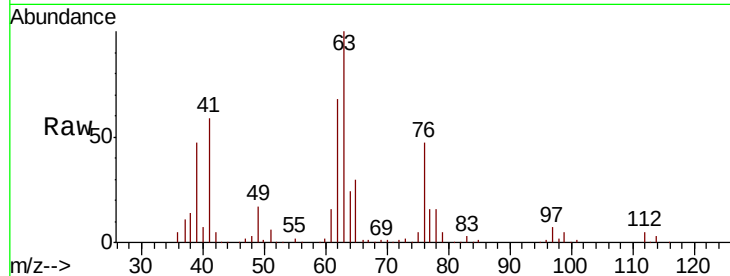




#37
 1,2-Dichloropropane
 Concen: 94.235 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: VV007734.D
 Acq: 22 Sep 2018 14:49

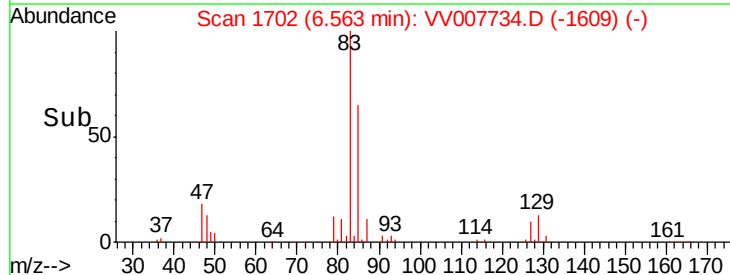
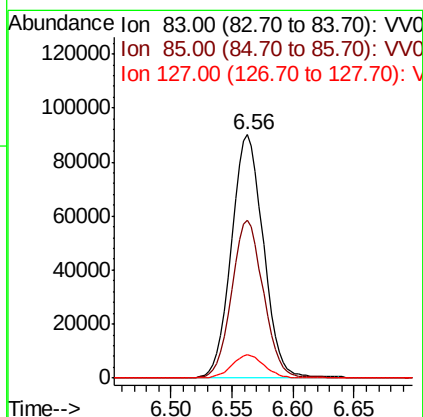
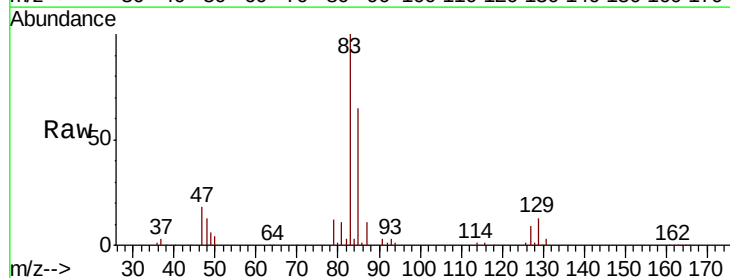
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

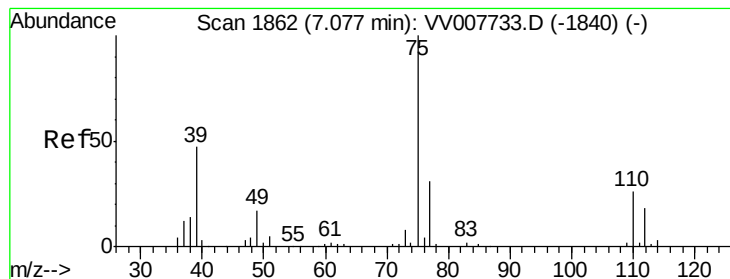
Tgt Ion: 63 Resp: 113222
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.6



#38
 Bromodichloromethane
 Concen: 101.050 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007734.D
 Acq: 22 Sep 2018 14:49

Tgt Ion: 83 Resp: 164639
 Ion Ratio Lower Upper
 83 100
 85 65.0 46.6 86.6
 127 9.5 8.7 13.1



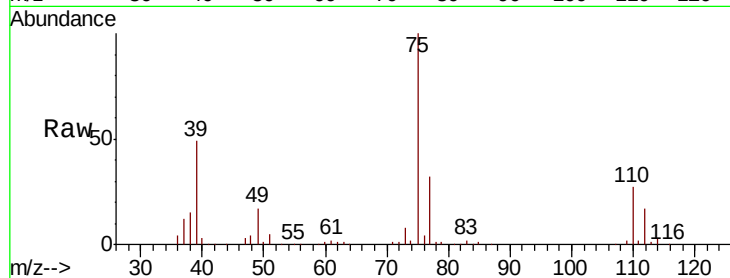


#39

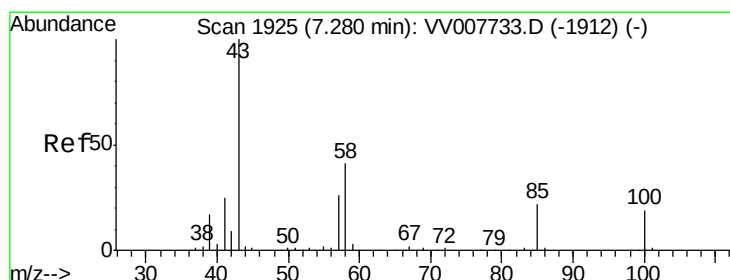
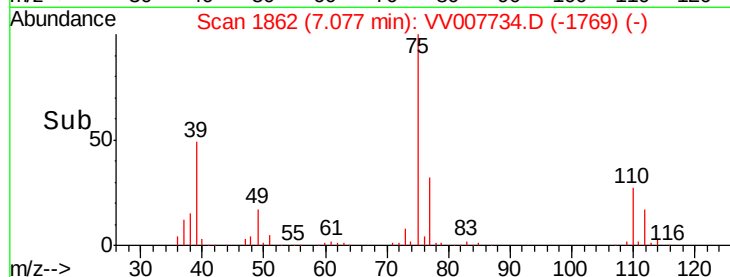
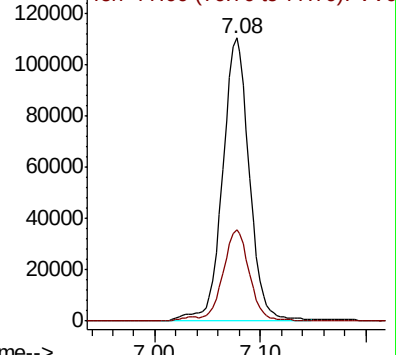
cis-1,3-Dichloropropene
 Concen: 105.253 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007734.D
 Acq: 22 Sep 2018 14:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

Tgt Ion: 75 Resp: 196254
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.0 40.8



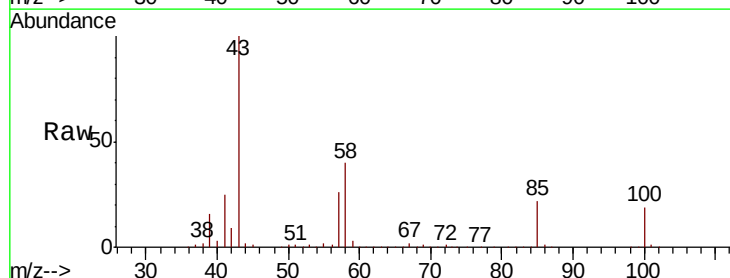
Abundance Ion 75.00 (74.70 to 75.70): VV007733.D (-1840) (-)
 Ion 77.00 (76.70 to 77.70): VV007733.D (-1840) (-)



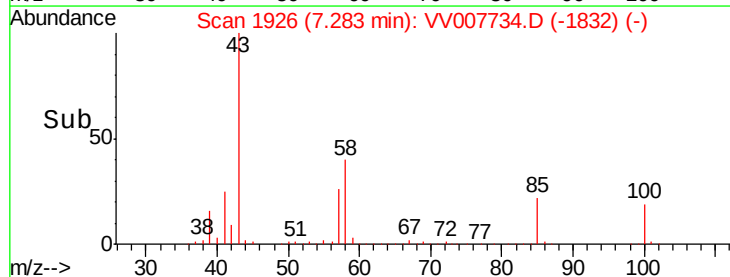
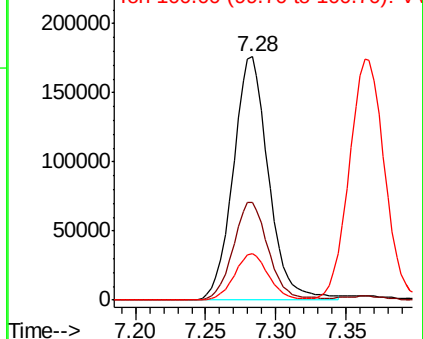
#40

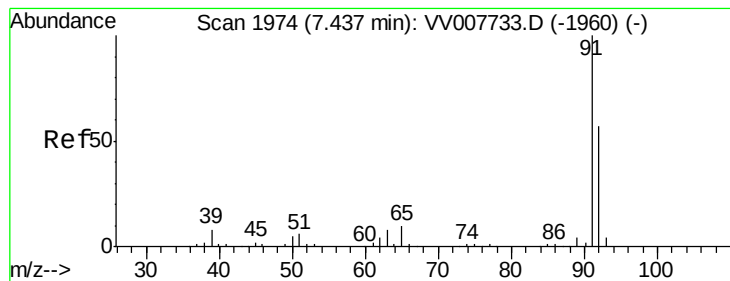
4-Methyl-2-pentanone
 Concen: 192.604 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV007734.D
 Acq: 22 Sep 2018 14:49

Tgt Ion: 43 Resp: 309227
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.5 47.3
 100 18.5 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VV007733.D (-1912) (-)
 Ion 58.00 (57.70 to 58.70): VV007733.D (-1912) (-)
 Ion 100.00 (99.70 to 100.70): VV007733.D (-1912) (-)





#42

Toluene

Concen: 98.195 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

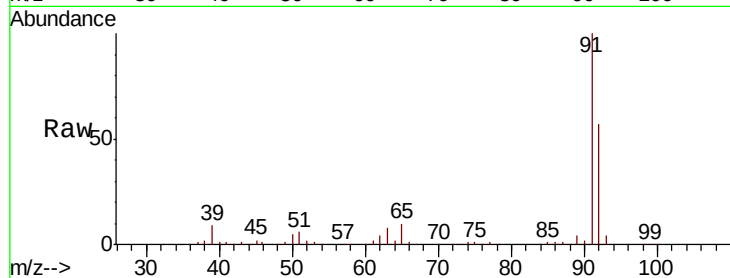
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

Tgt Ion: 91 Resp: 548036

Ion Ratio Lower Upper

91 100

92 56.9 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VV007733.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV007733.D (-1960) (-)

7.44

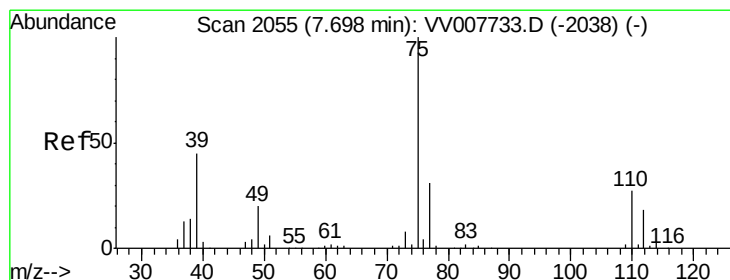
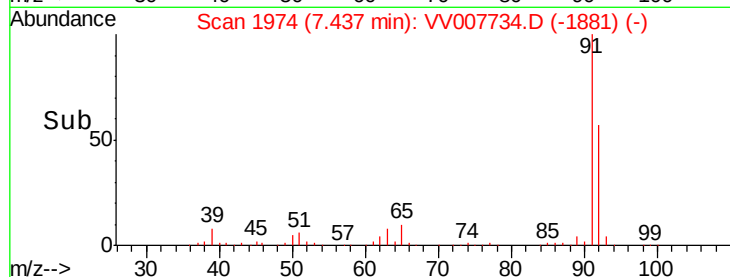
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 109.267 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007734.D

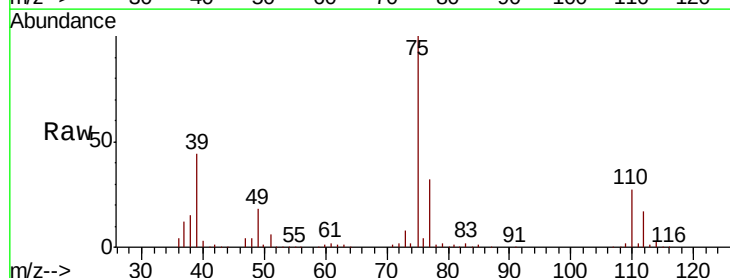
Acq: 22 Sep 2018 14:49

Tgt Ion: 75 Resp: 192952

Ion Ratio Lower Upper

75 100

77 32.2 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV007733.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV007733.D (-2038) (-)

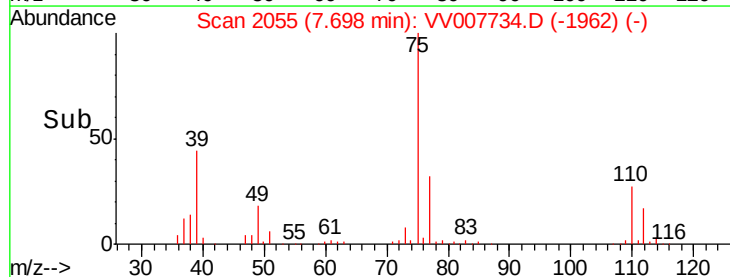
7.70

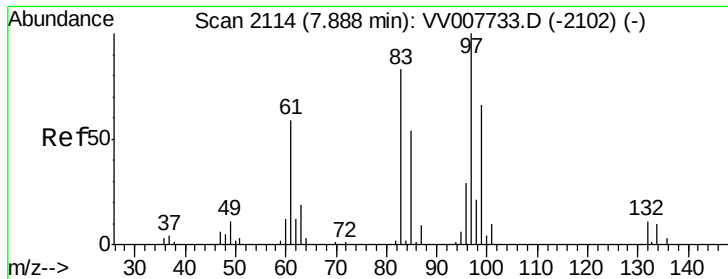
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 95.931 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

Tgt Ion: 97 Resp: 128833

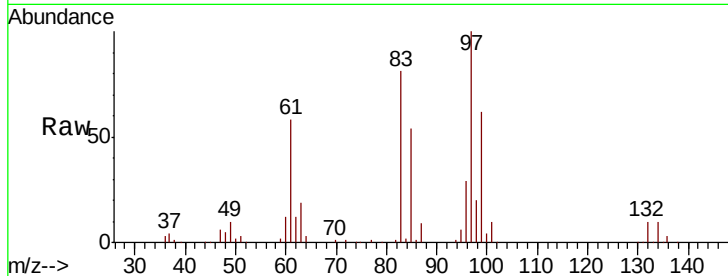
Ion Ratio Lower Upper

97 100

99 61.9 45.8 85.2

83 81.5 58.2 108.0

85 53.5 38.0 70.6

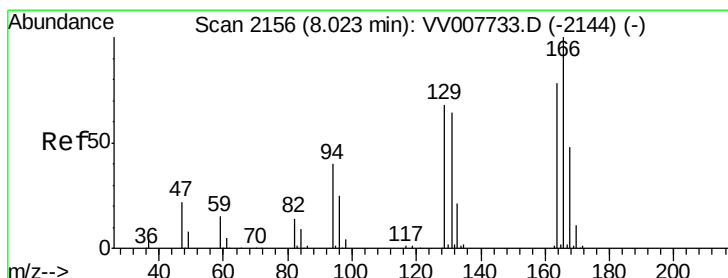
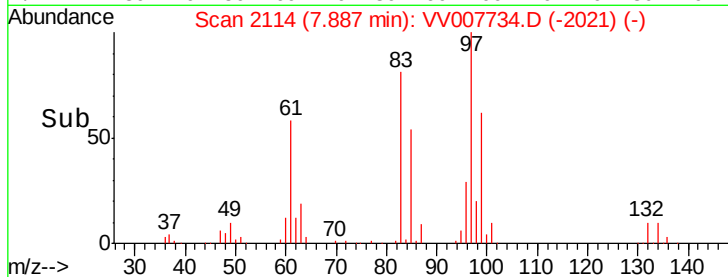
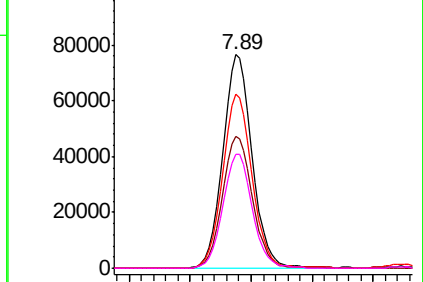


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 95.974 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Tgt Ion: 164 Resp: 135284

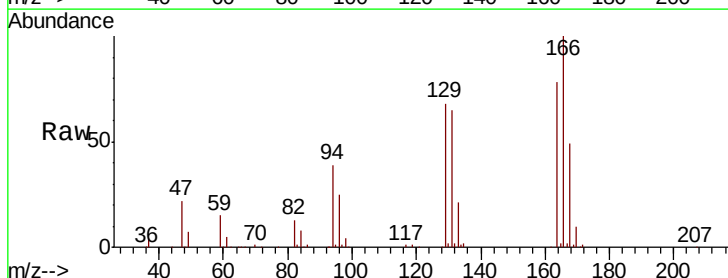
Ion Ratio Lower Upper

164 100

129 86.9 61.0 113.4

131 83.2 57.8 107.4

166 128.3 89.9 167.0

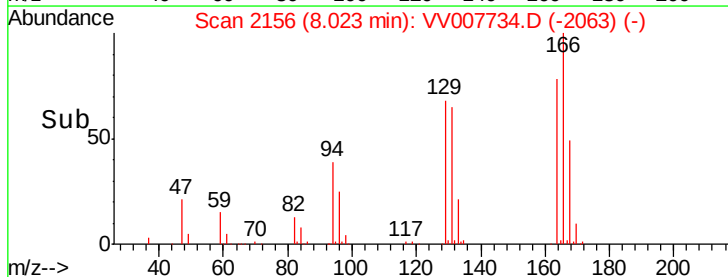
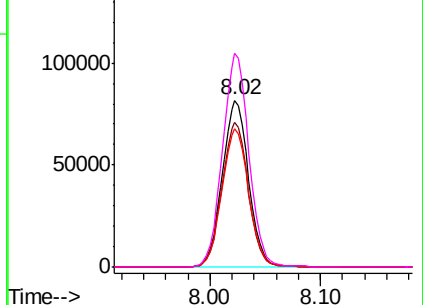


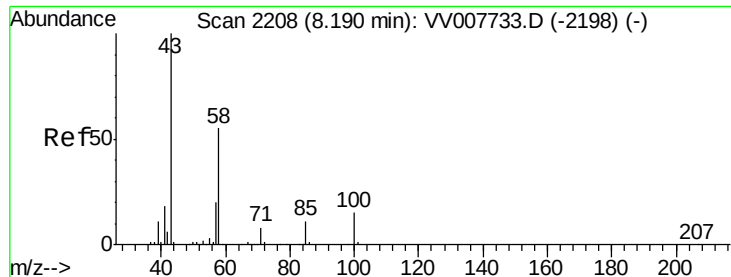
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

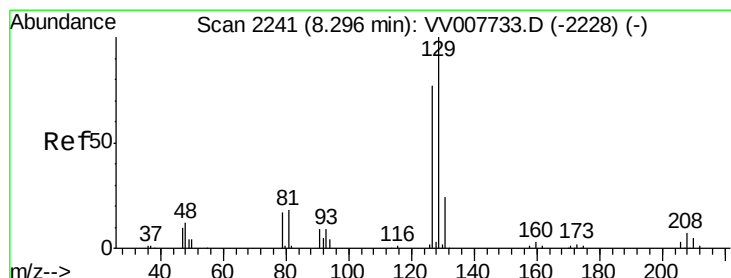
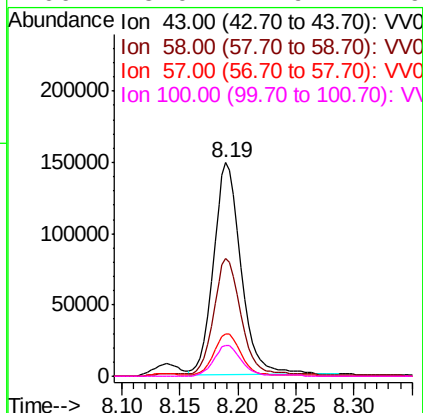
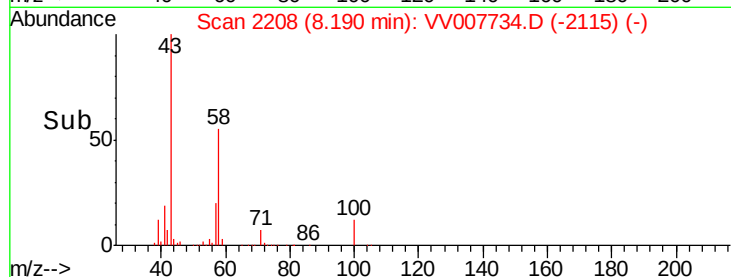
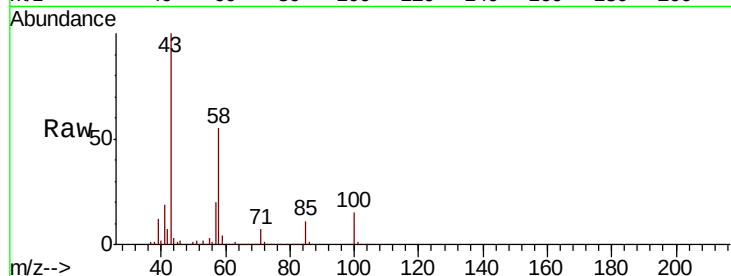




#48
2-Hexanone
Concen: 197.970 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV007734.D
Acq: 22 Sep 2018 14:49

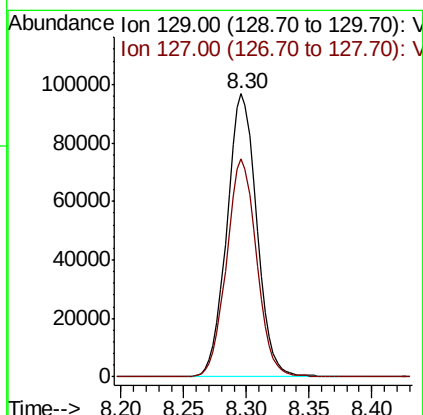
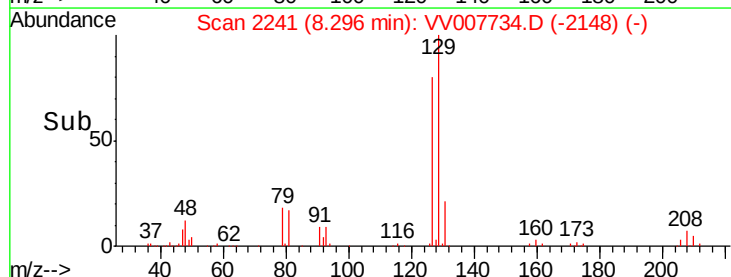
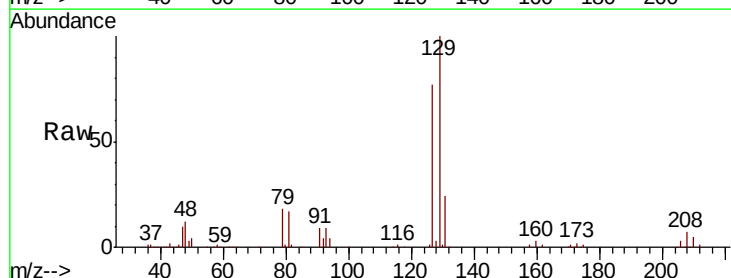
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

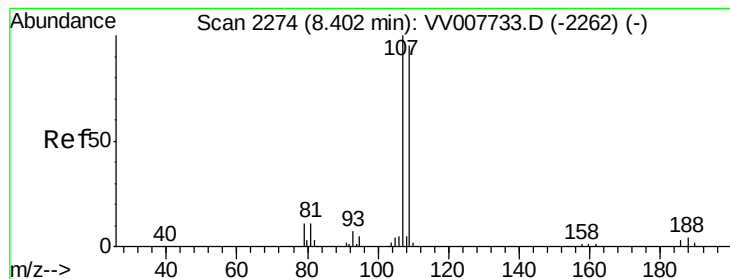
Tgt Ion:	43	Resp:	248615
Ion	Ratio	Lower	Upper
43	100		
58	55.8	41.4	62.0
57	20.0	16.0	24.0
100	15.0	11.9	17.9



#49
Dibromochloromethane
Concen: 105.644 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007734.D
Acq: 22 Sep 2018 14:49

Tgt Ion:	129	Resp:	160352
Ion	Ratio	Lower	Upper
129	100		
127	76.9	54.0	100.2





#50

1,2-Dibromoethane

Concen: 99.848 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

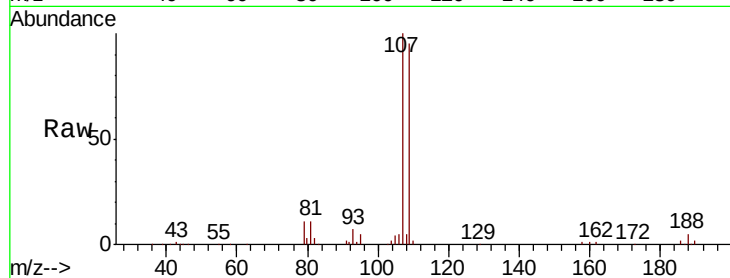
Tgt Ion:107 Resp: 147209

Ion Ratio Lower Upper

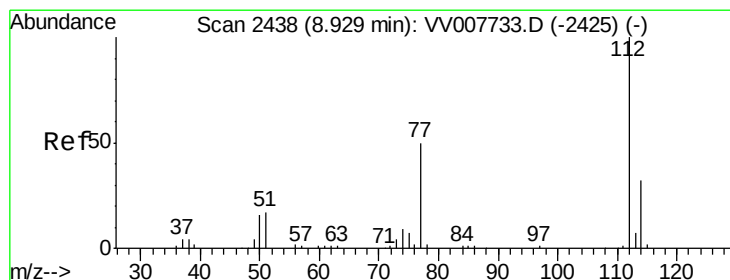
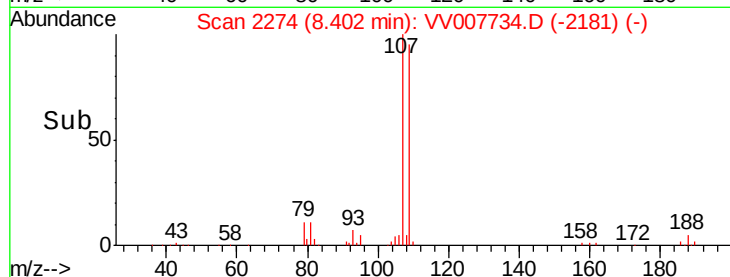
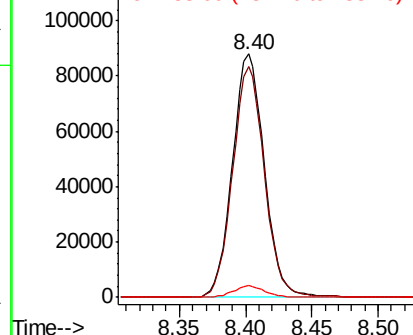
107 100

109 94.7 66.4 123.2

188 4.9 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 96.833 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

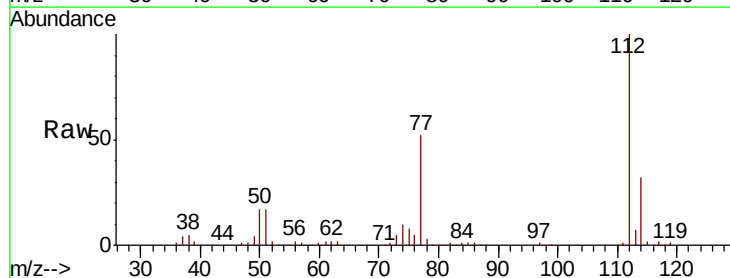
Tgt Ion:112 Resp: 389187

Ion Ratio Lower Upper

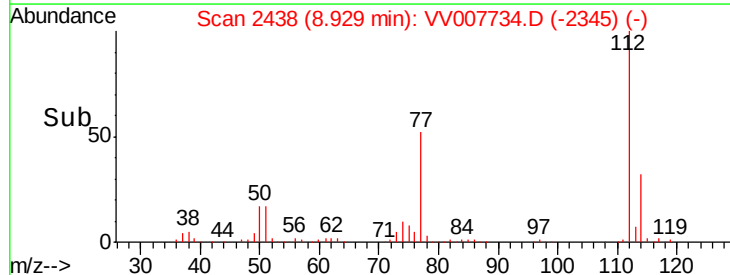
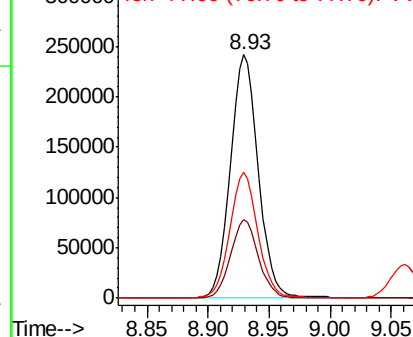
112 100

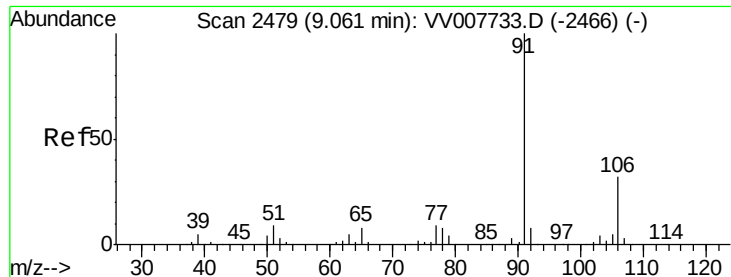
114 32.1 22.3 41.3

77 51.5 40.6 60.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 98.880 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

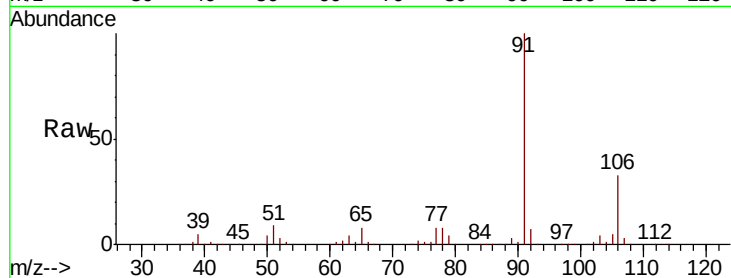
VSTD10066

Tgt Ion: 91 Resp: 630752

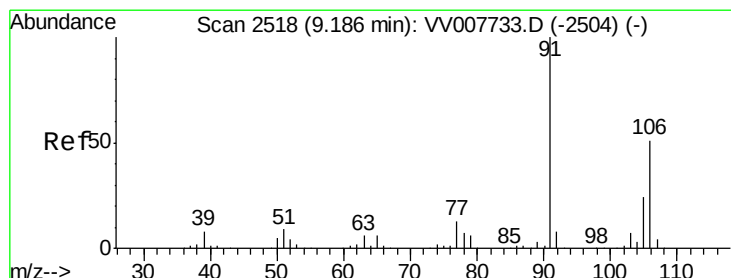
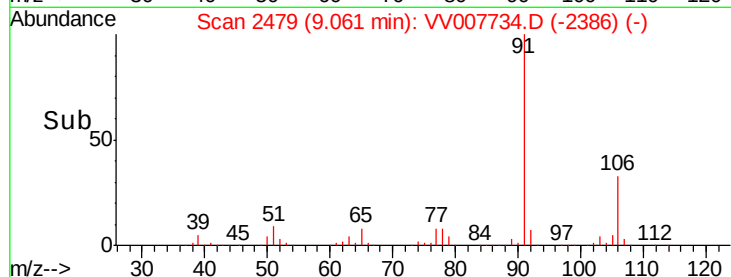
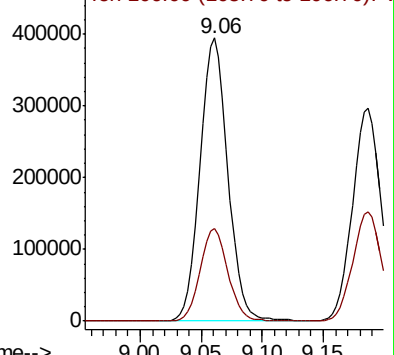
Ion Ratio Lower Upper

91 100

106 32.7 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VV007733.D (-2466) (-)



#53

m,p-Xylene

Concen: 100.055 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007734.D

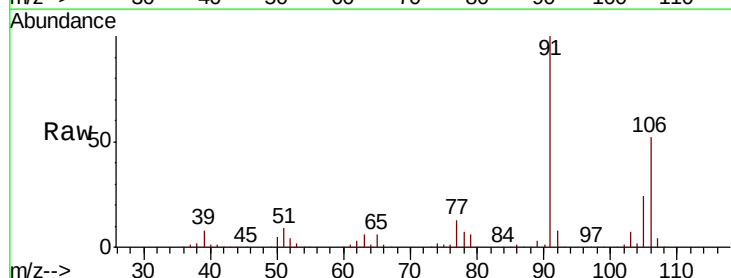
Acq: 22 Sep 2018 14:49

Tgt Ion: 106 Resp: 253579

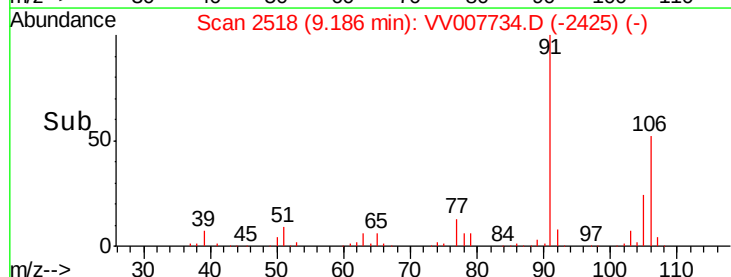
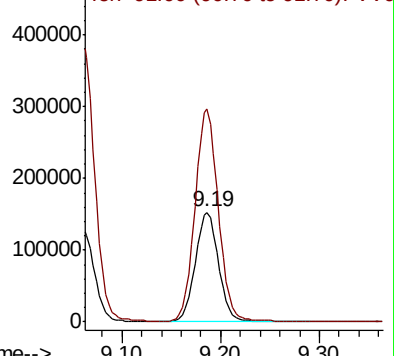
Ion Ratio Lower Upper

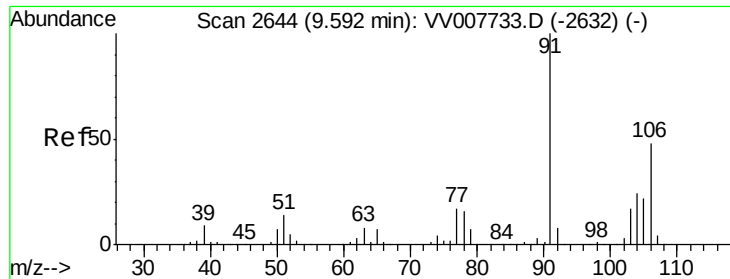
106 100

91 193.2 137.3 254.9



Abundance Ion 106.00 (105.70 to 106.70): VV007733.D (-2504) (-)





#54

o-xylene

Concen: 98.178 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

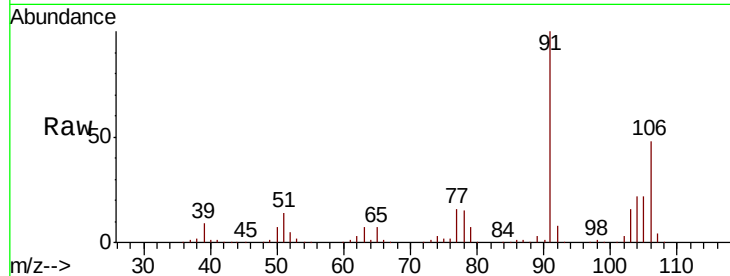
VSTD10066

Tgt Ion:106 Resp: 246995

Ion Ratio Lower Upper

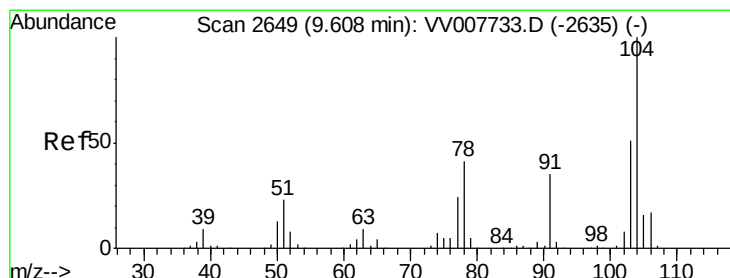
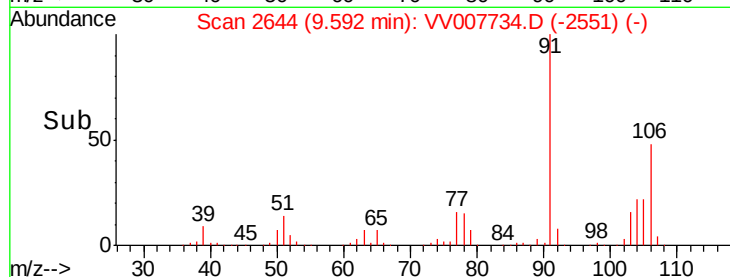
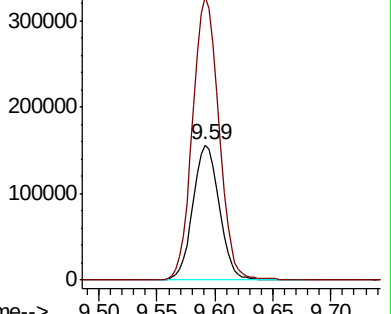
106 100

91 209.7 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 101.565 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007734.D

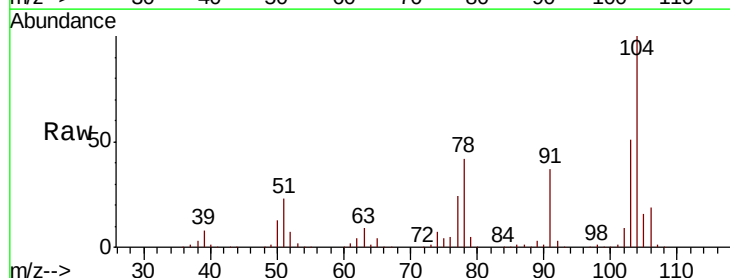
Acq: 22 Sep 2018 14:49

Tgt Ion:104 Resp: 432907

Ion Ratio Lower Upper

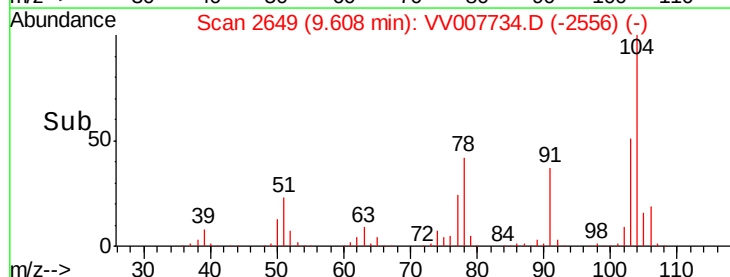
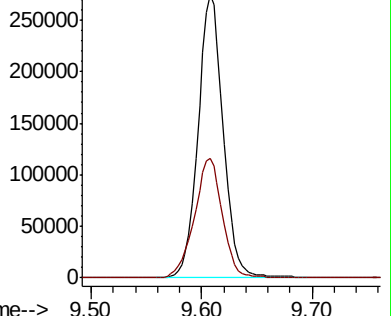
104 100

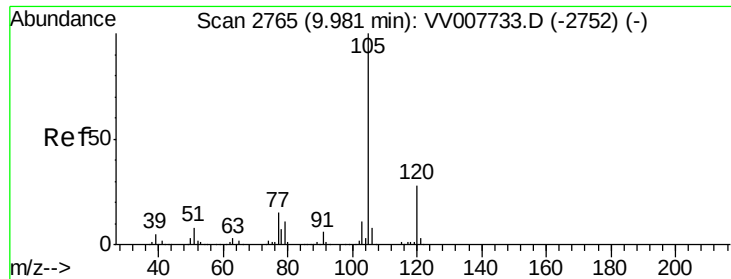
78 42.4 29.1 54.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 101.183 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

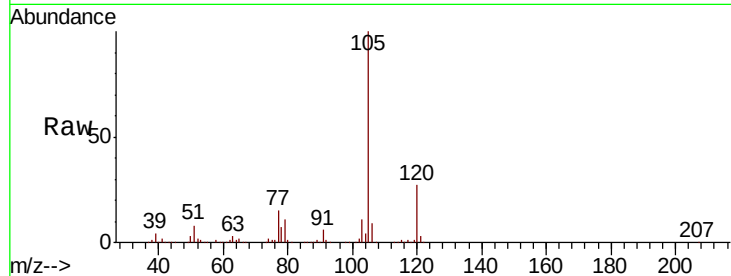
Tgt Ion: 105 Resp: 677935

Ion Ratio Lower Upper

105 100

120 27.4 22.0 33.0

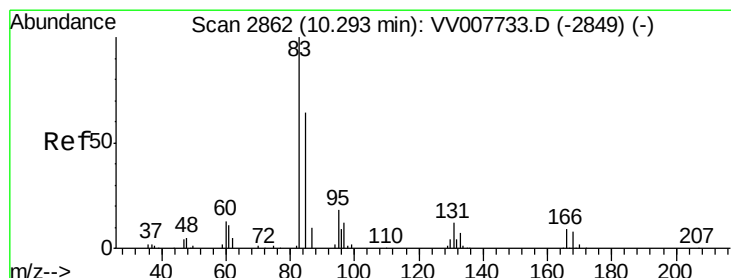
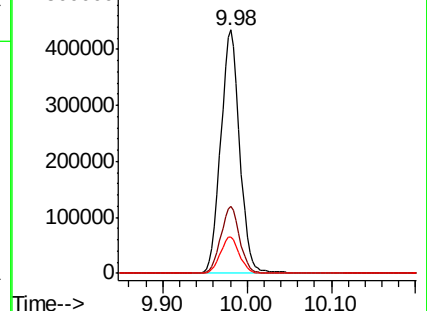
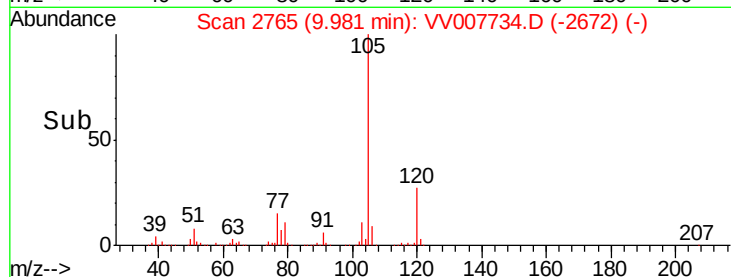
77 15.0 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 94.751 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

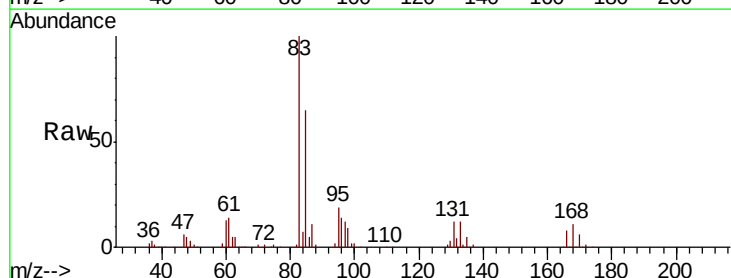
Tgt Ion: 83 Resp: 214262

Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.4

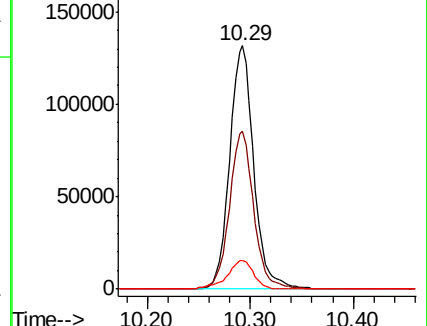
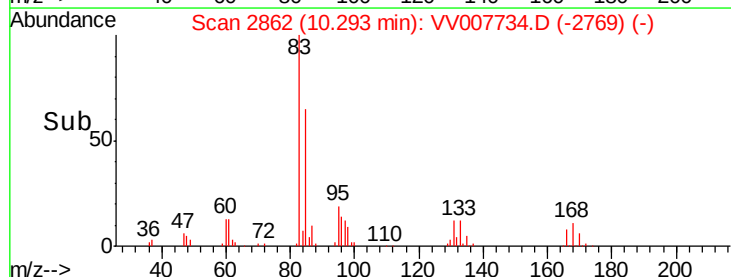
131 12.0 9.8 14.8

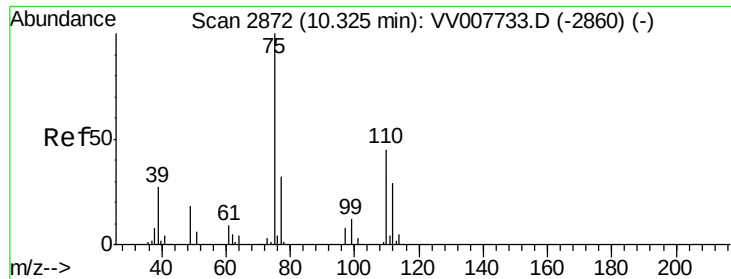


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 93.896 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

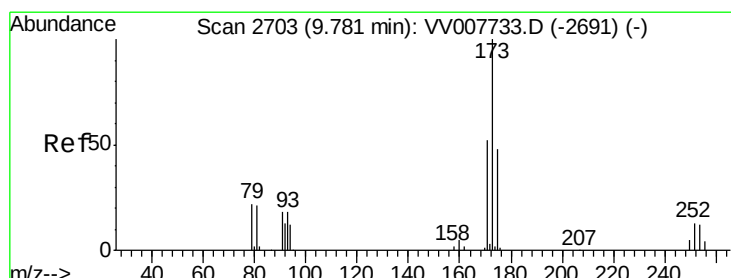
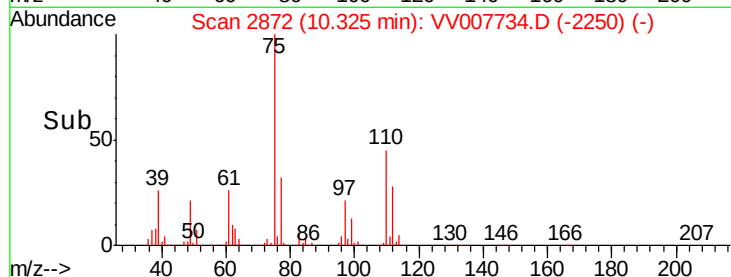
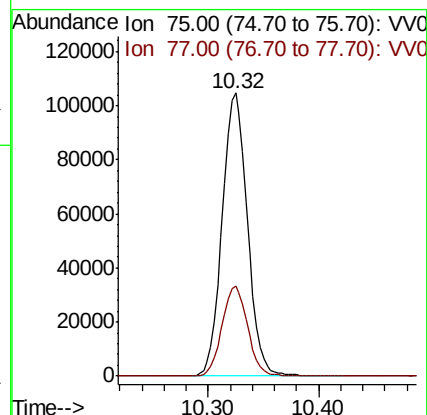
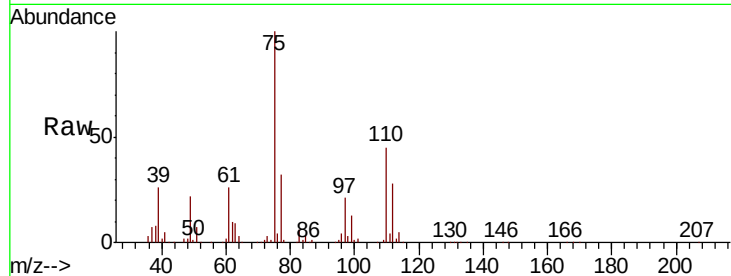
VSTD10066

Tgt Ion: 75 Resp: 166555

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4



#61

Bromoform

Concen: 105.019 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

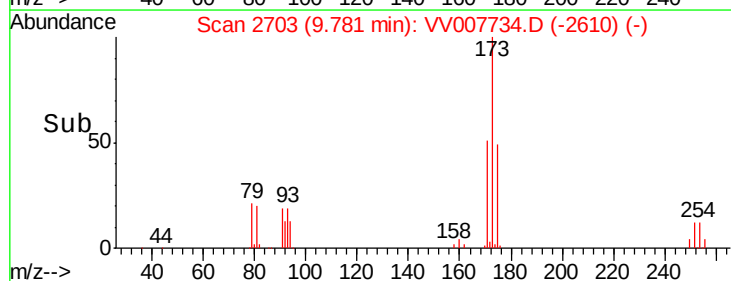
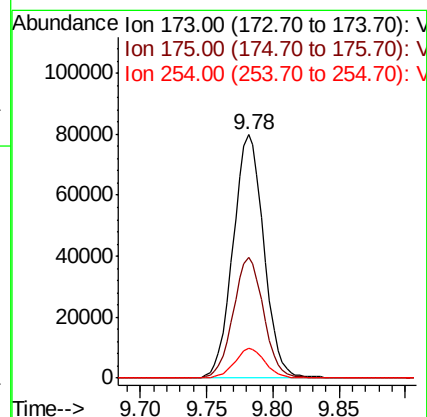
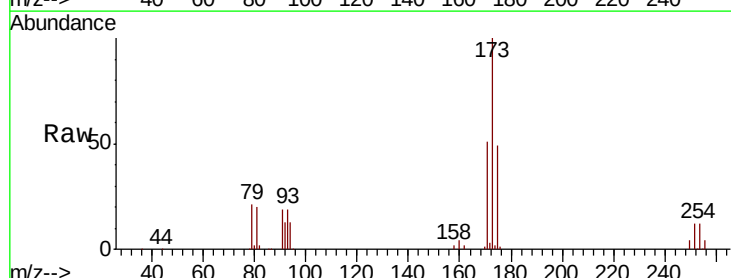
Tgt Ion: 173 Resp: 128718

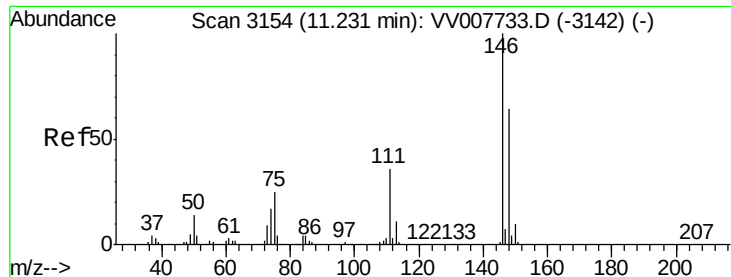
Ion Ratio Lower Upper

173 100

175 49.0 38.7 58.1

254 12.0 9.7 14.5





#62

1,3-Dichlorobenzene

Concen: 95.237 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

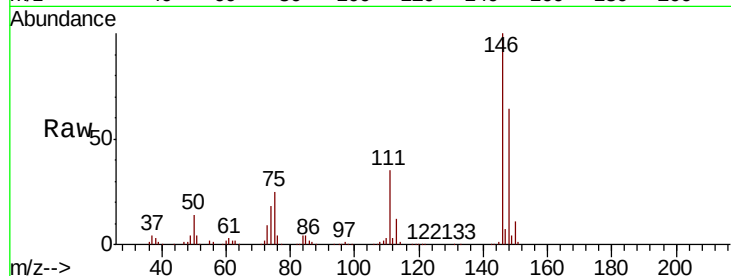
Tgt Ion:146 Resp: 351722

Ion Ratio Lower Upper

146 100

111 35.1 25.1 46.7

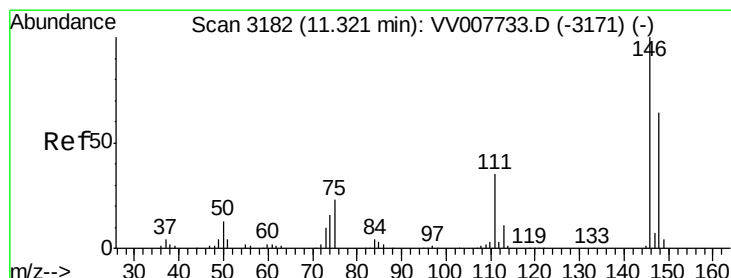
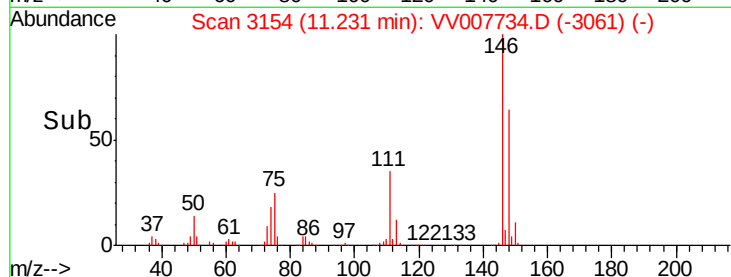
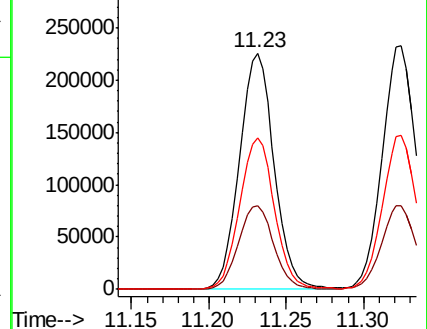
148 64.1 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 96.745 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

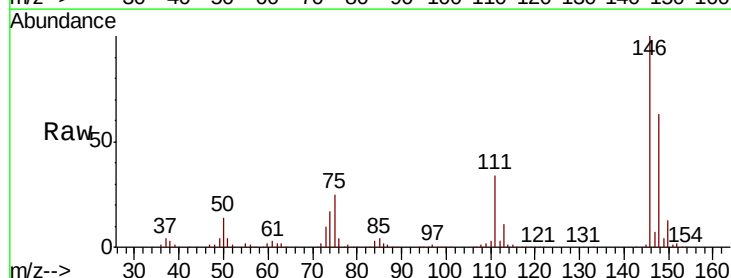
Tgt Ion:146 Resp: 364418

Ion Ratio Lower Upper

146 100

111 34.1 24.4 45.4

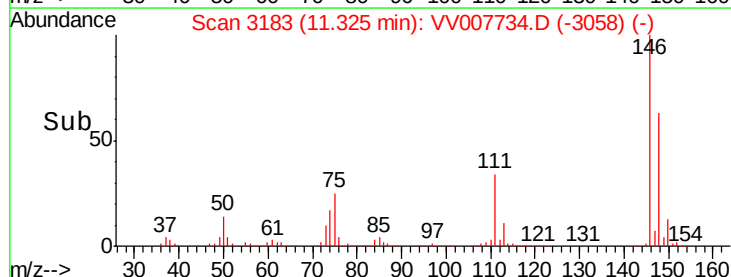
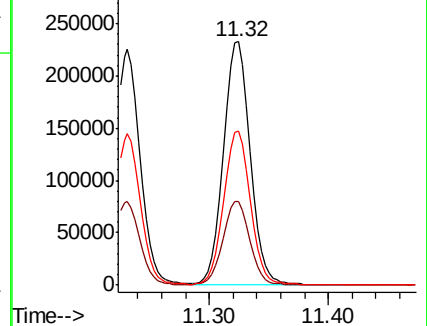
148 63.4 45.1 83.7

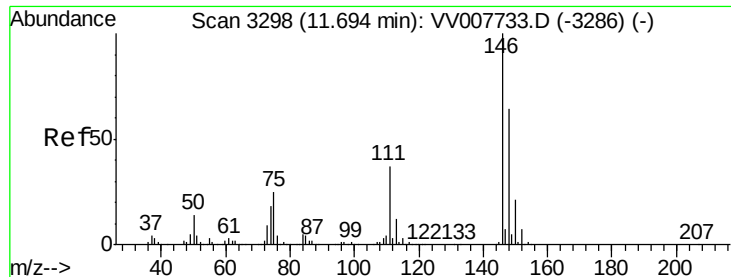


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

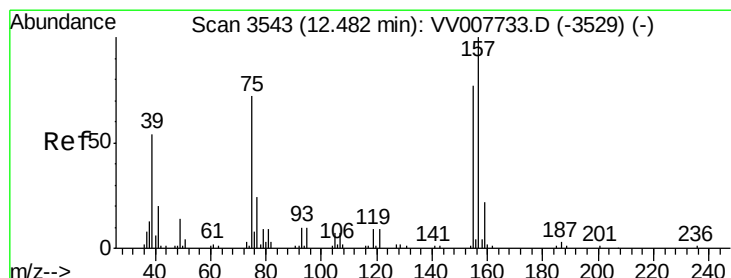
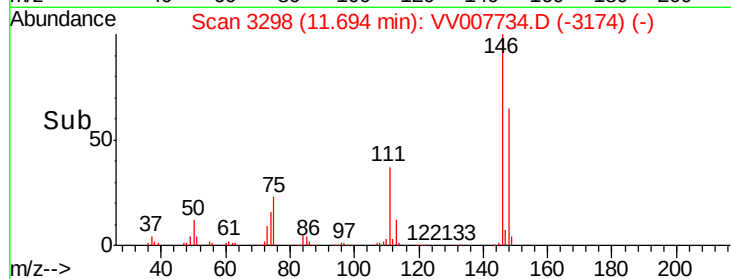
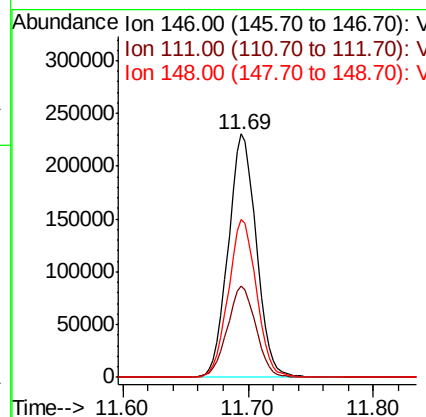
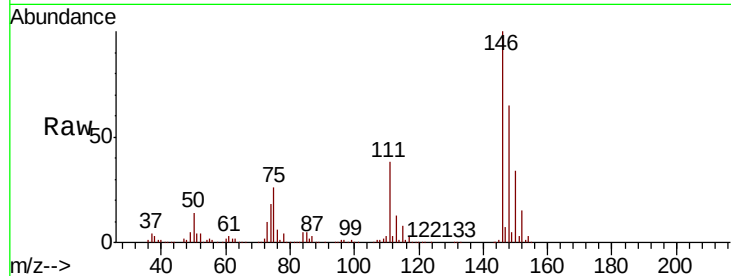




#65
 1,2-Dichlorobenzene
 Concen: 92.978 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV007734.D
 Acq: 22 Sep 2018 14:49

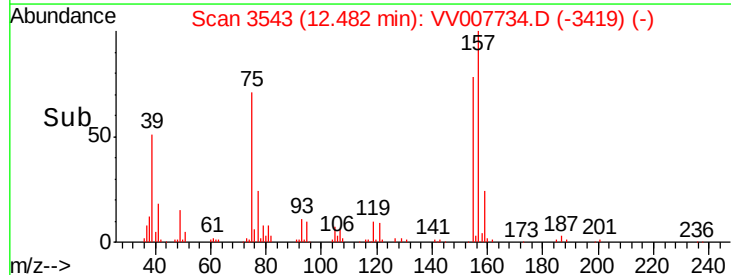
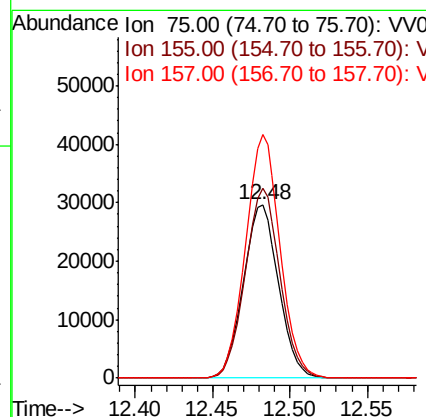
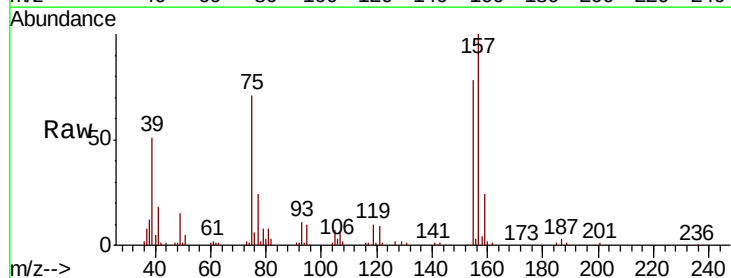
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

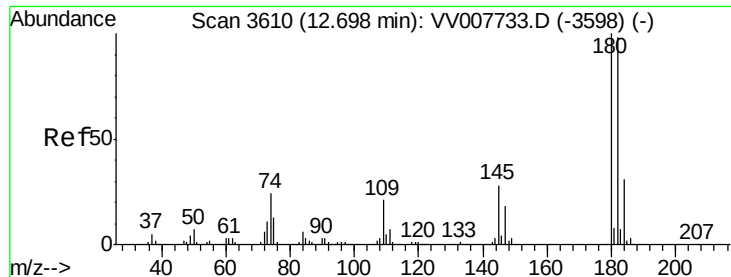
Tgt Ion: 146 Resp: 357405
 Ion Ratio Lower Upper
 146 100
 111 37.7 29.8 44.8
 148 64.9 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 103.302 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VV007734.D
 Acq: 22 Sep 2018 14:49

Tgt Ion: 75 Resp: 46873
 Ion Ratio Lower Upper
 75 100
 155 109.7 86.0 129.0
 157 140.5 111.5 167.3

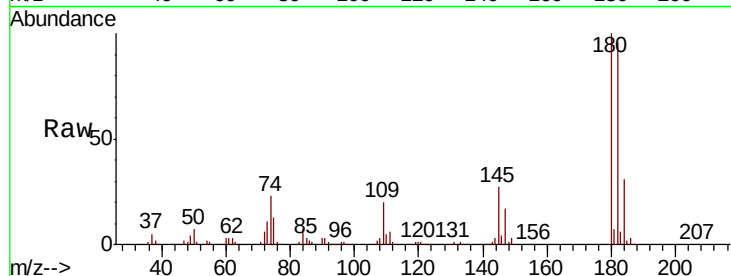




#67
 1,3,5-Trichlorobenzene
 Concen: 103.168 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007734.D
 Acq: 22 Sep 2018 14:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.6	116.4
184	30.5	24.7	37.1
145	27.2	21.8	32.8



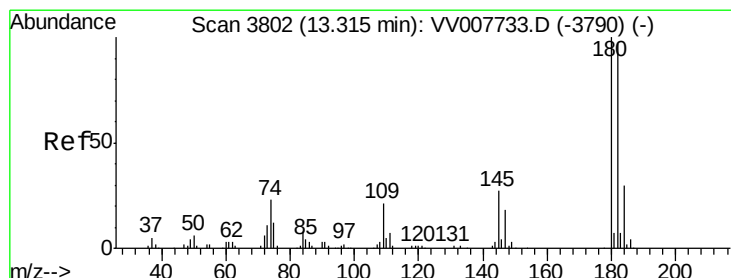
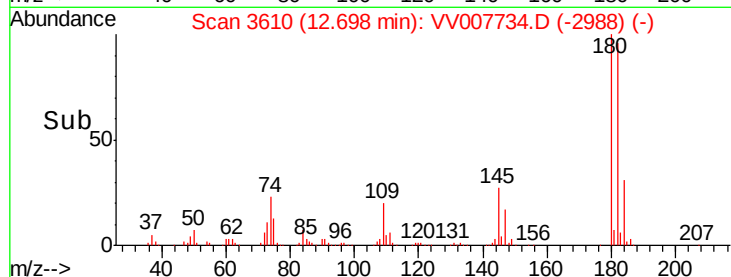
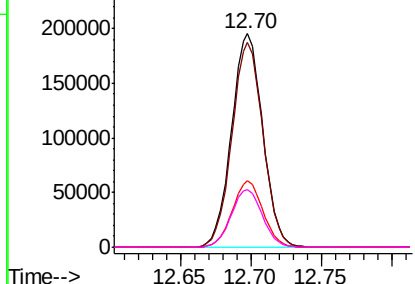
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

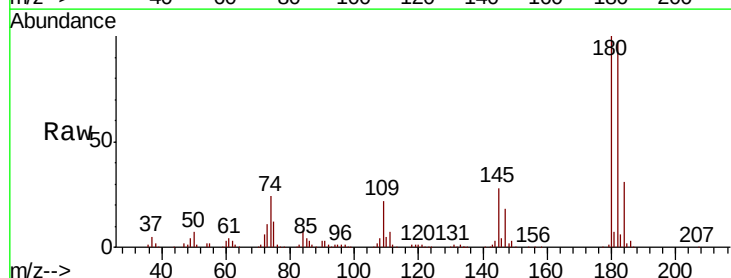
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 112.237 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007734.D
 Acq: 22 Sep 2018 14:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
145	27.3	22.2	33.2

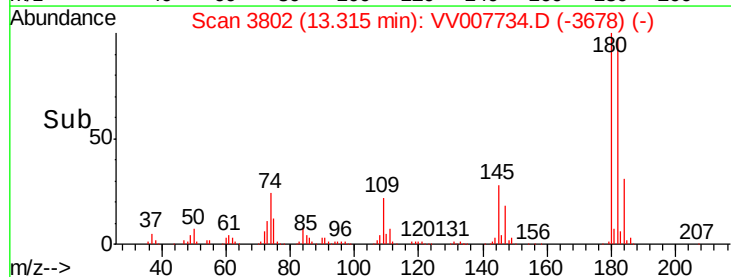
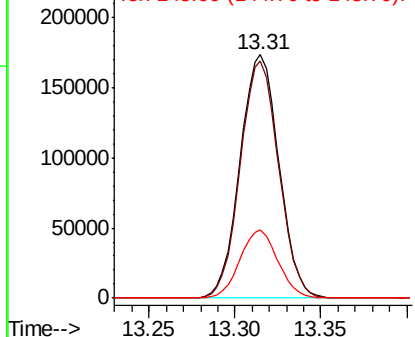


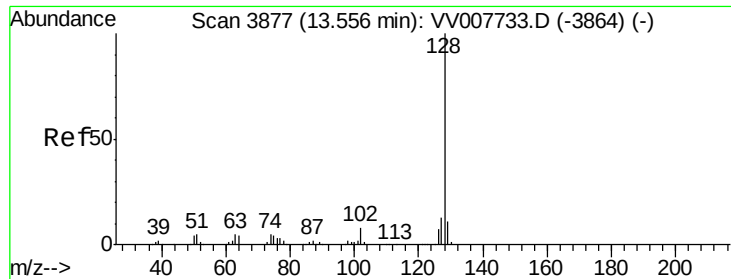
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 120.266 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

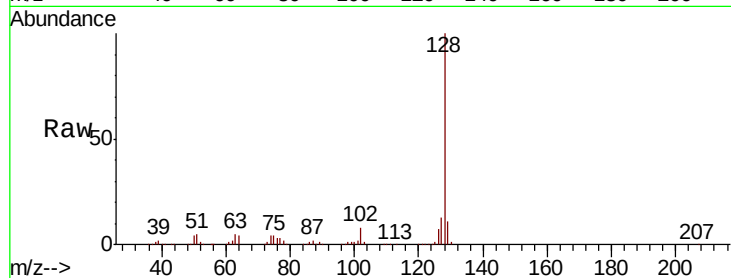
Tgt Ion:128 Resp: 754297

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

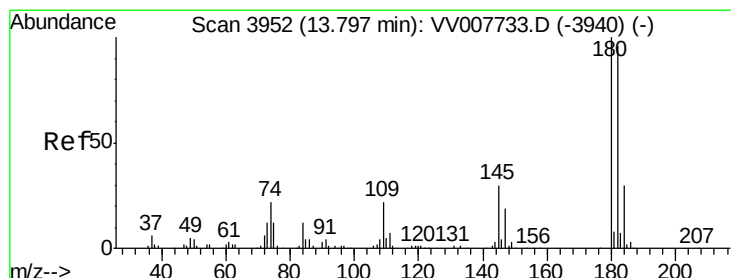
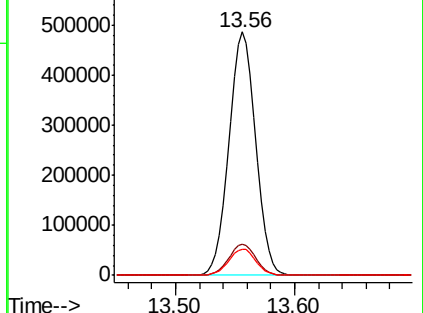
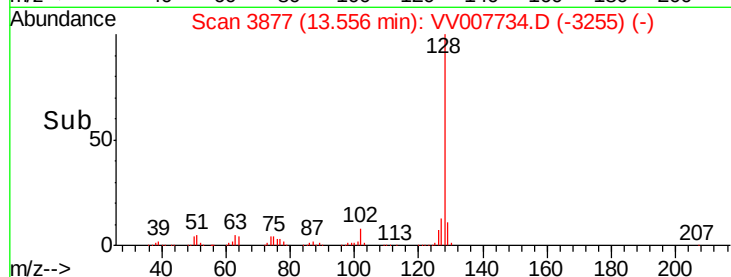
129 11.0 8.6 13.0



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



#70

1,2,3-Trichlorobenzene

Concen: 110.378 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007734.D

Acq: 22 Sep 2018 14:49

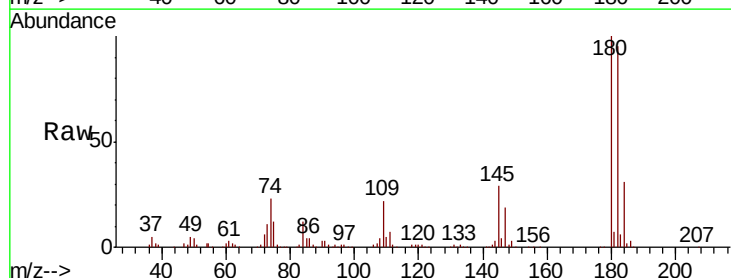
Tgt Ion:180 Resp: 276782

Ion Ratio Lower Upper

180 100

182 95.9 77.4 116.2

145 29.3 23.3 34.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

