

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007737.D
 Acq On : 22 Sep 2018 16:03
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Quant Time: Sep 24 02:14:32 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	194609	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	182959	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	101159	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5676	5.86	ug/L	0.00
7) Chloroethane-d5	1.59	69	5135	5.71	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	13294	5.52	ug/L	0.00
21) 2-Butanone-d5	3.96	46	6621	9.53	ug/L	0.00
24) Chloroform-d	4.41	84	11642	5.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	7293	5.28	ug/L	0.00
32) Benzene-d6	5.11	84	21925	5.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	6630	5.64	ug/L	0.00
41) Toluene-d8	7.36	98	22522	5.43	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2844	4.88	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	5258	9.57	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	9293	4.74	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	11609	5.84	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	7183	5.150 ug/L	99
3) Chloromethane	1.25	50	5601	5.128 ug/L	96
5) Vinyl chloride	1.33	62	6627	5.306 ug/L	99
6) Bromomethane	1.54	94	5200	7.063 ug/L	97
8) Chloroethane	1.60	64	4707	5.275 ug/L	99
9) Trichlorofluoromethane	1.78	101	13581	5.125 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	7656	5.089 ug/L	97
12) 1,1-Dichloroethene	2.15	96	6689	5.044 ug/L	98
13) Acetone	2.19	43	7580	11.166 ug/L	96
14) Carbon disulfide	2.33	76	19674	6.058 ug/L	98
15) Methyl Acetate	2.46	43	6604	5.019 ug/L	97
16) Methylene chloride	2.54	84	7314	5.000 ug/L	93
17) trans-1,2-Dichloroethene	2.80	96	7901	5.462 ug/L	98
18) Methyl tert-butyl Ether	2.82	73	21620	4.884 ug/L	98
19) 1,1-Dichloroethane	3.23	63	9175	4.884 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	6715	5.082 ug/L	99
22) 2-Butanone	4.04	43	7687	9.714 ug/L	99
23) Bromochloromethane	4.31	128	3561	4.925 ug/L	90
25) Chloroform	4.44	83	10779	4.546 ug/L	99
27) 1,2-Dichloroethane	5.19	62	8706	4.884 ug/L	98
29) Cyclohexane	4.73	56	8259	5.061 ug/L	98
30) 1,1,1-Trichloroethane	4.67	97	9435	4.724 ug/L	98
31) Carbon tetrachloride	4.88	117	8803	4.944 ug/L	95
33) Benzene	5.15	78	21893	4.923 ug/L	100
34) Trichloroethene	5.96	95	6829	5.341 ug/L	97
35) Methylcyclohexane	6.18	83	10504	5.319 ug/L	99
37) 1,2-Dichloropropane	6.23	63	5840	5.221 ug/L #	92
38) Bromodichloromethane	6.56	83	7102	4.682 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	8096	4.663 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	14717	9.845 ug/L	97

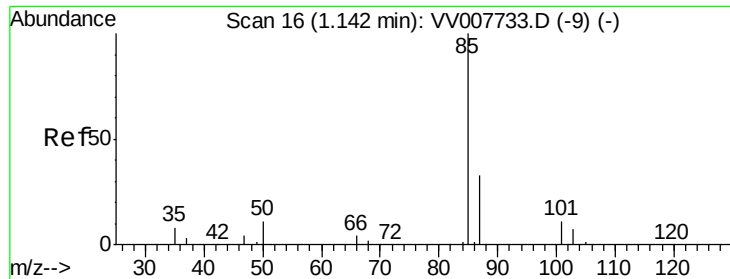
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007737.D
 Acq On : 22 Sep 2018 16:03
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Quant Time: Sep 24 02:14:32 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	25850	4.975	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	7614	4.631	ug/L	94
45) 1,1,2-Trichloroethane	7.89	97	6375	5.098	ug/L	95
46) Tetrachloroethene	8.02	164	6957	5.301	ug/L	95
48) 2-Hexanone	8.19	43	9874	8.445	ug/L	95
49) Dibromochloromethane	8.30	129	6058	4.287	ug/L	99
50) 1,2-Dibromoethane	8.40	107	7159	5.215	ug/L	95
51) Chlorobenzene	8.93	112	19017	5.082	ug/L	98
52) Ethylbenzene	9.06	91	28525	4.803	ug/L	99
53) m,p-Xylene	9.19	106	11543	4.892	ug/L	99
54) o-xylene	9.59	106	11114	4.745	ug/L	99
55) Styrene	9.61	104	18118	4.565	ug/L	99
56) Isopropylbenzene	9.98	105	29401	4.713	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	9269	4.402	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	7771	4.705	ug/L	98
61) Bromoform	9.78	173	4410	4.161	ug/L #	91
62) 1,3-Dichlorobenzene	11.23	146	17356	5.435	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	18601	5.710	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	17037	5.125	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	1888	4.812	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	14844	5.855	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	13105	6.234	ug/L	98
69) Naphthalene	13.56	128	27996	5.162	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	12739	5.875	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.150 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

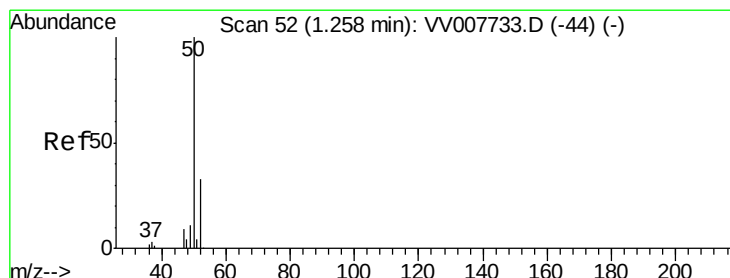
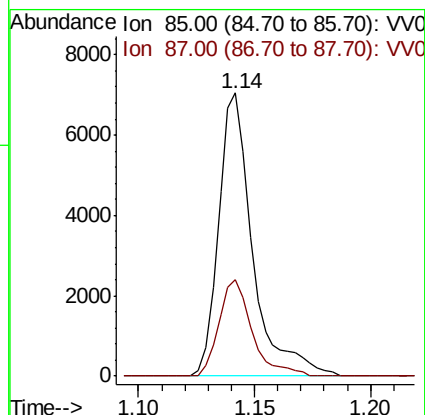
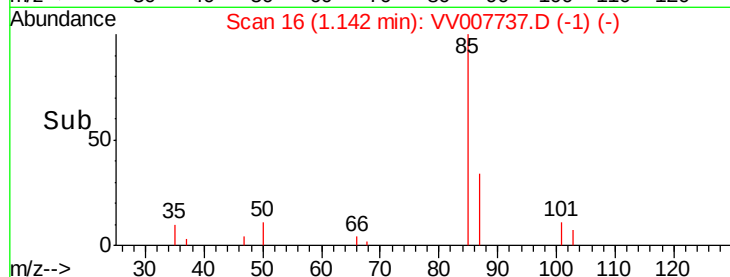
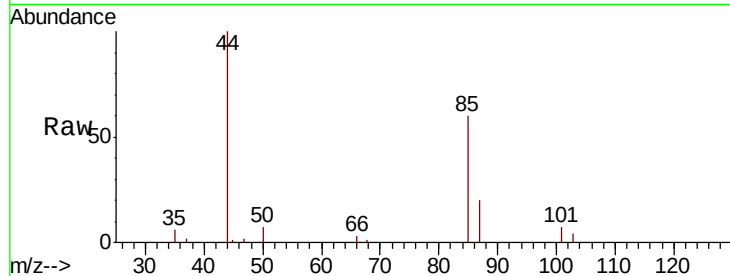
VSTD00563

Tgt Ion: 85 Resp: 7183

Ion Ratio Lower Upper

85 100

87 33.1 26.9 40.3



#3

Chloromethane

Concen: 5.128 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007737.D

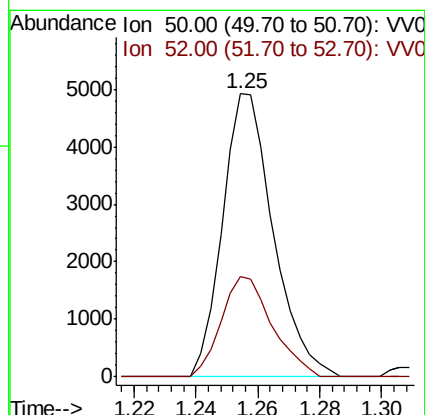
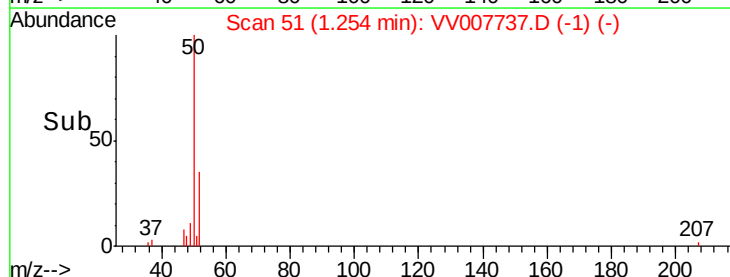
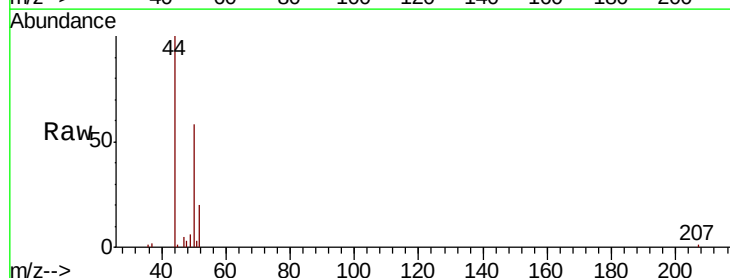
Acq: 22 Sep 2018 16:03

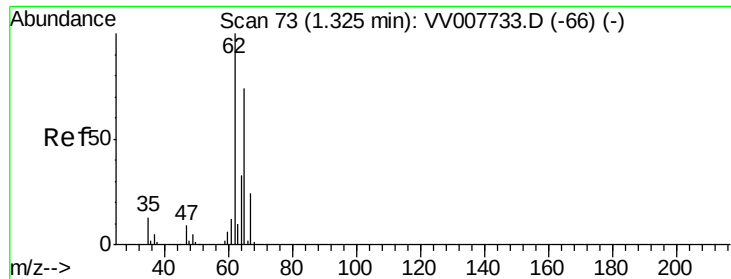
Tgt Ion: 50 Resp: 5601

Ion Ratio Lower Upper

50 100

52 35.4 23.0 42.8





#5

Vinyl chloride

Concen: 5.306 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

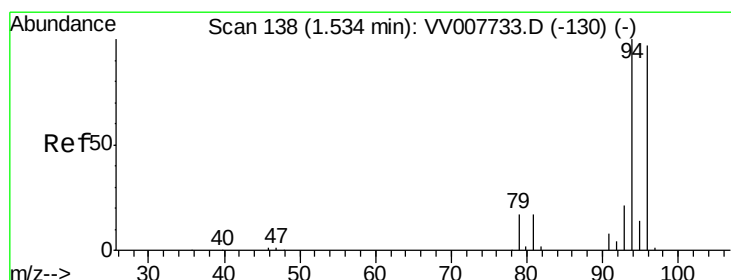
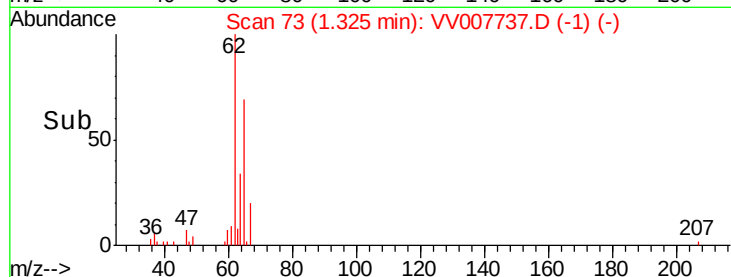
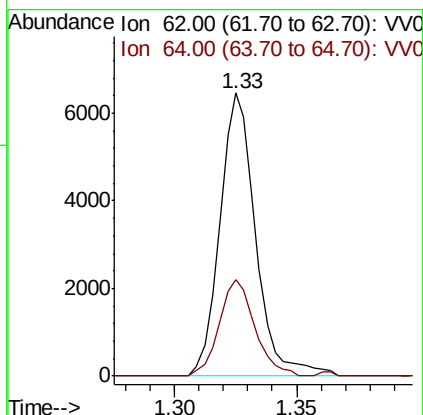
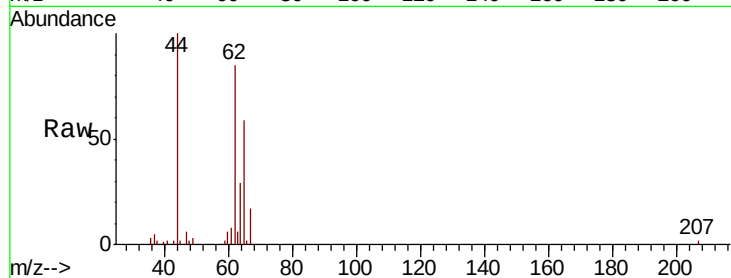
VSTD00563

Tgt Ion: 62 Resp: 6627

Ion Ratio Lower Upper

62 100

64 34.3 23.4 43.6



#6

Bromomethane

Concen: 7.063 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007737.D

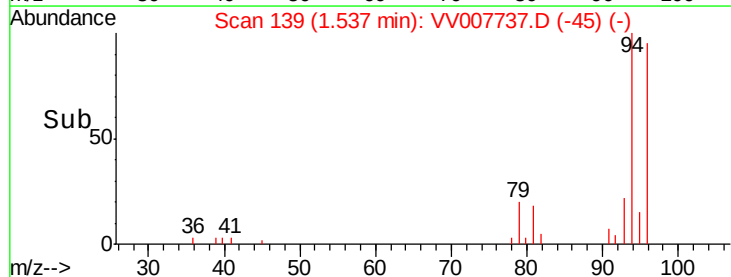
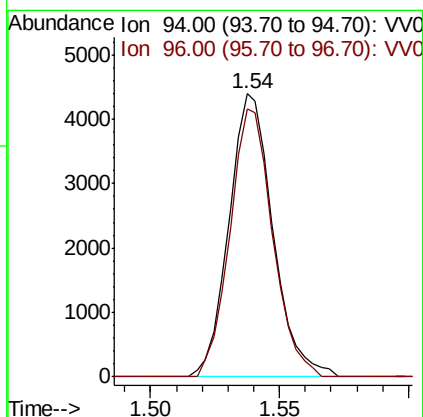
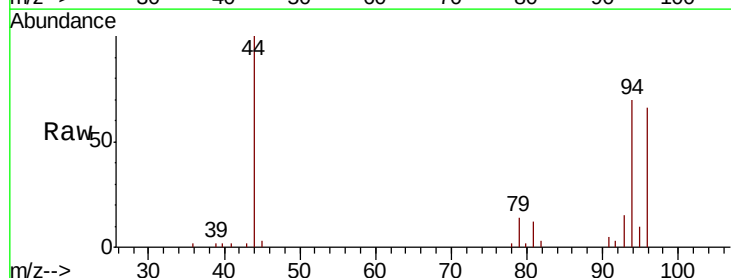
Acq: 22 Sep 2018 16:03

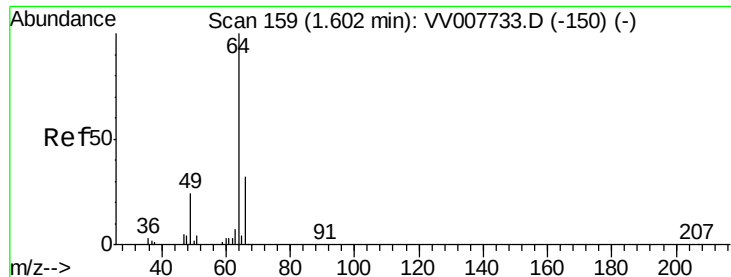
Tgt Ion: 94 Resp: 5200

Ion Ratio Lower Upper

94 100

96 94.7 68.2 126.6





#8

Chloroethane

Concen: 5.275 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

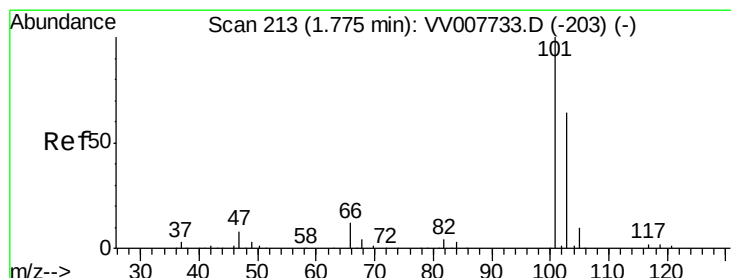
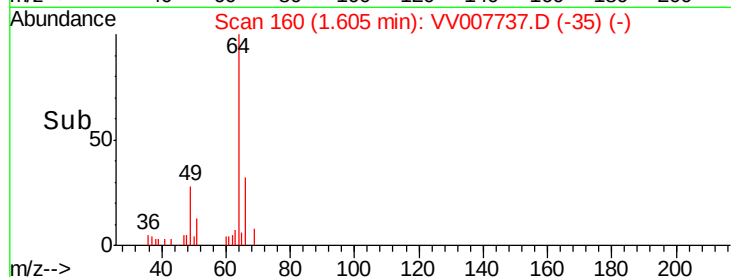
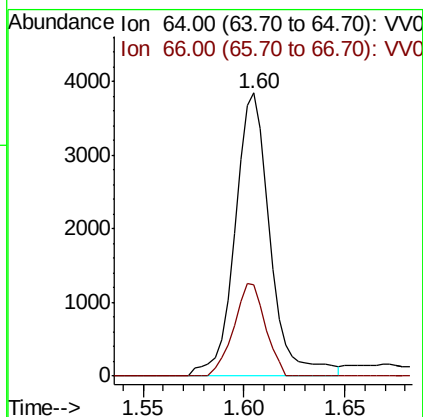
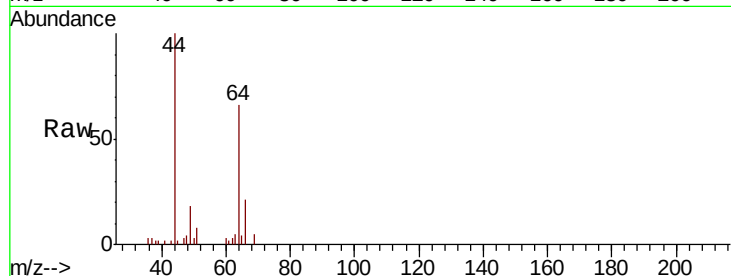
VSTD00563

Tgt Ion: 64 Resp: 4707

Ion Ratio Lower Upper

64 100

66 32.2 22.3 41.5



#9

Trichlorofluoromethane

Concen: 5.125 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV007737.D

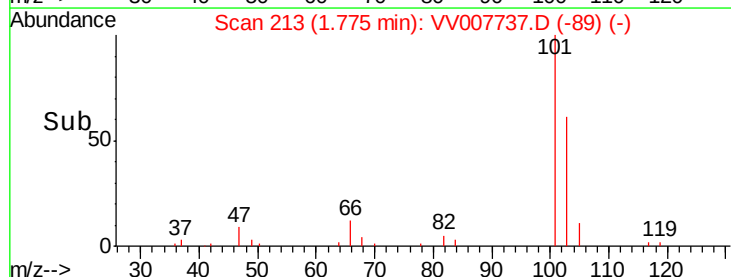
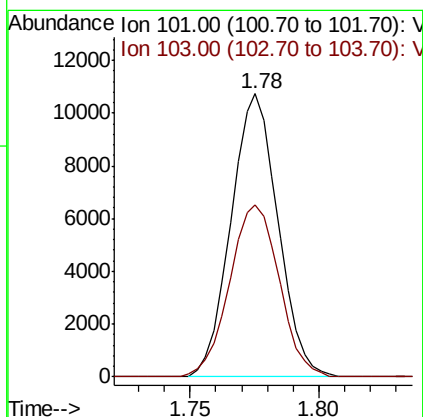
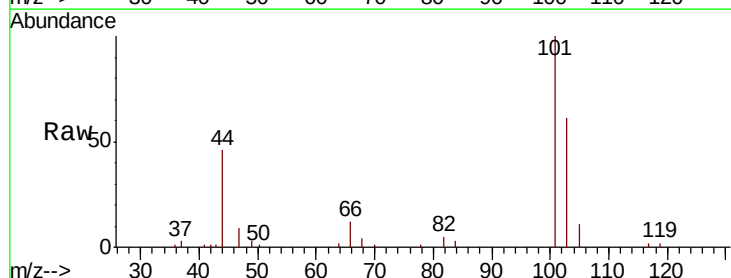
Acq: 22 Sep 2018 16:03

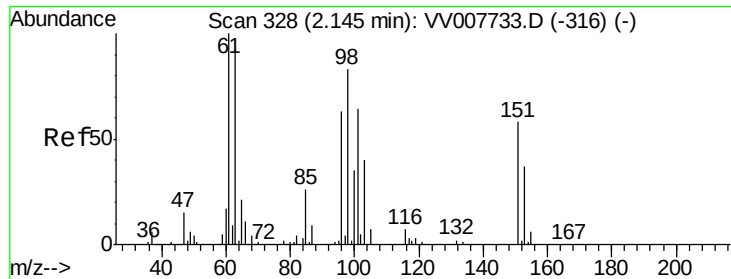
Tgt Ion: 101 Resp: 13581

Ion Ratio Lower Upper

101 100

103 64.1 51.4 77.2





#10

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

Concen: 5.089 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

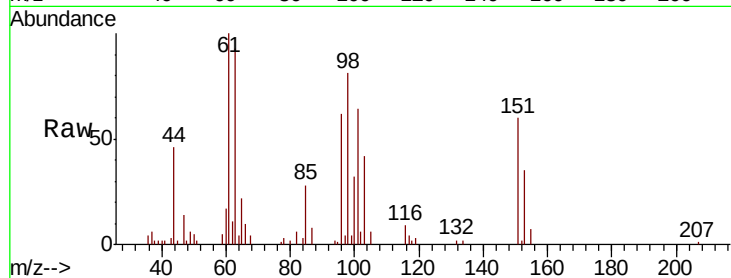
Tgt Ion:101 Resp: 7656

Ion Ratio Lower Upper

101 100

85 42.9 32.7 49.1

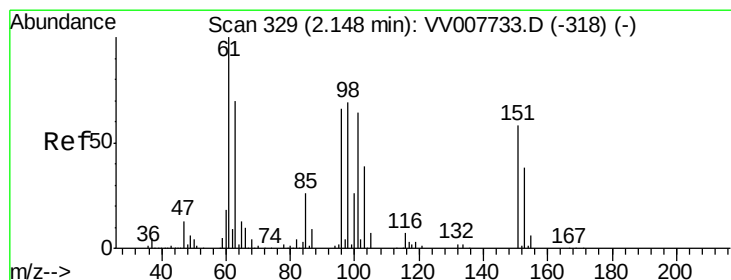
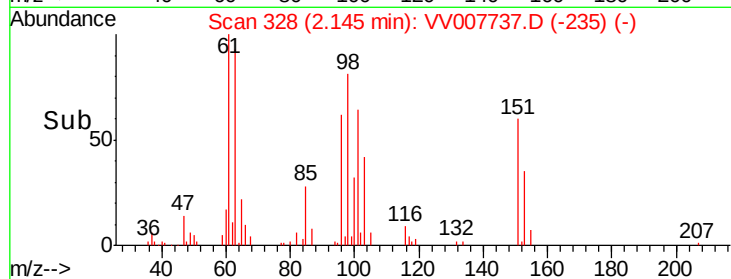
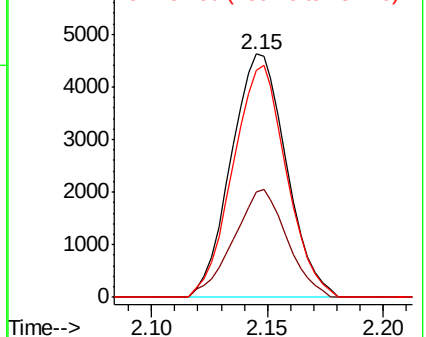
151 92.6 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): VV007737.D (-235) (-)

Ion 85.00 (84.70 to 85.70): VV007737.D (-235) (-)

Ion 151.00 (150.70 to 151.70): VV007737.D (-235) (-)



#12

1,1-Dichloroethene

Concen: 5.044 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

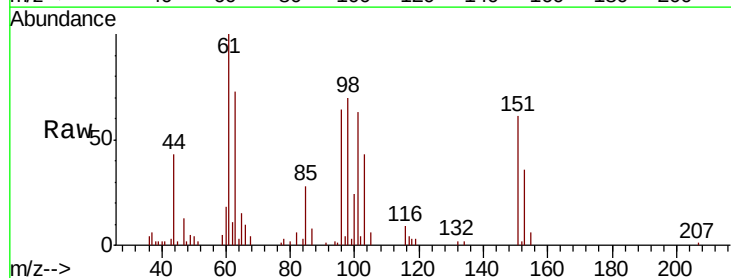
Tgt Ion: 96 Resp: 6689

Ion Ratio Lower Upper

96 100

61 156.6 107.3 199.3

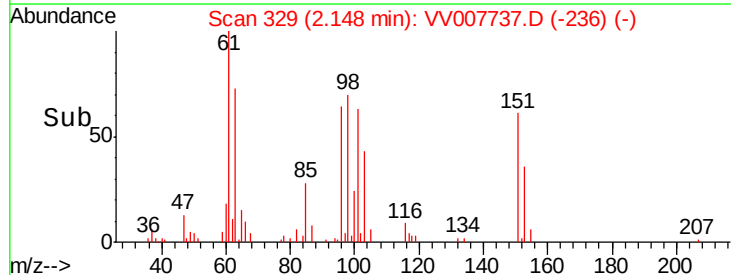
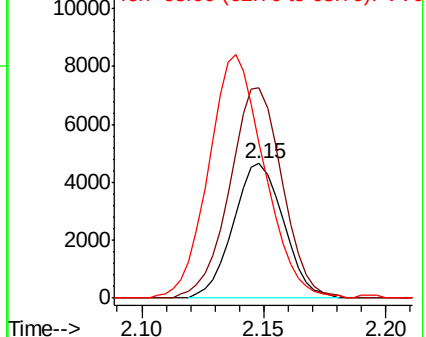
63 115.1 78.8 146.4

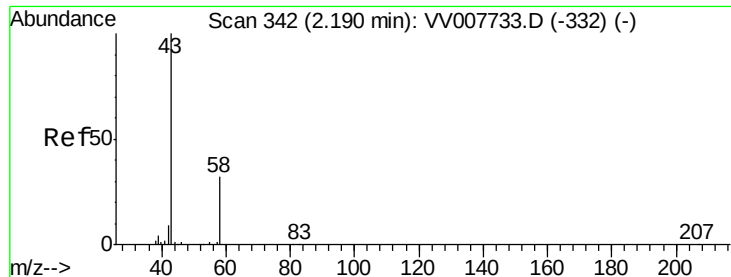


Abundance Ion 96.00 (95.70 to 96.70): VV007737.D (-236) (-)

Ion 61.00 (60.70 to 61.70): VV007737.D (-236) (-)

Ion 63.00 (62.70 to 63.70): VV007737.D (-236) (-)





#13

Acetone

Concen: 11.166 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampled :

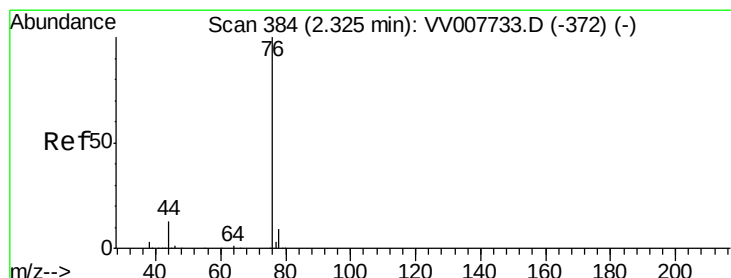
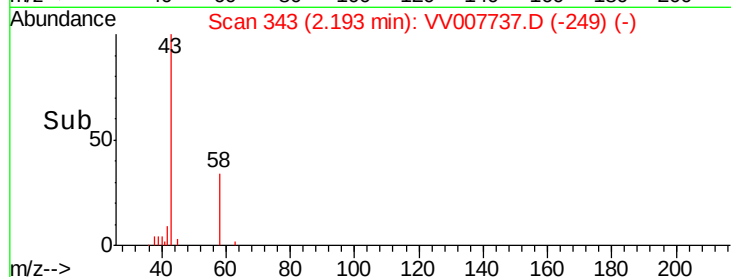
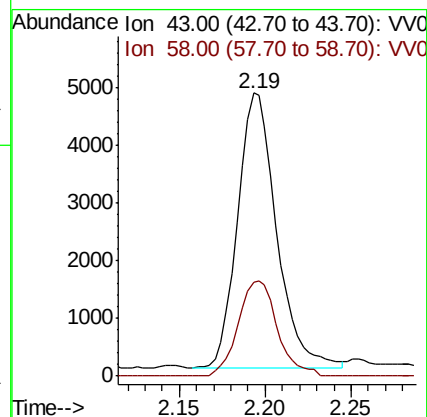
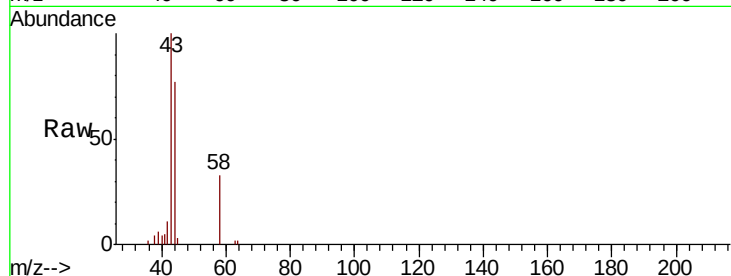
VSTD00563

Tgt Ion: 43 Resp: 7580

Ion Ratio Lower Upper

43 100

58 34.6 0.0 65.2



#14

Carbon disulfide

Concen: 6.058 ug/L

RT: 2.33 min Scan# 384

Delta R.T. 0.00 min

Lab File: VV007737.D

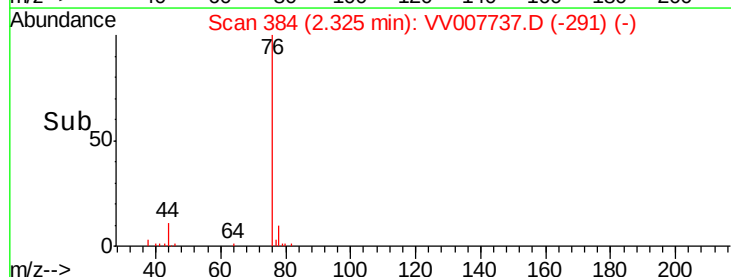
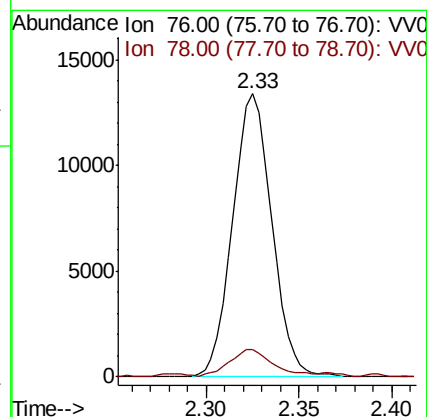
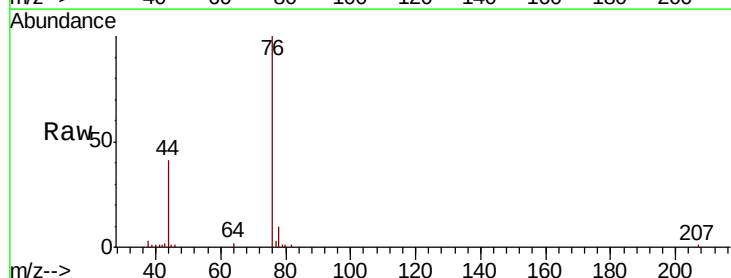
Acq: 22 Sep 2018 16:03

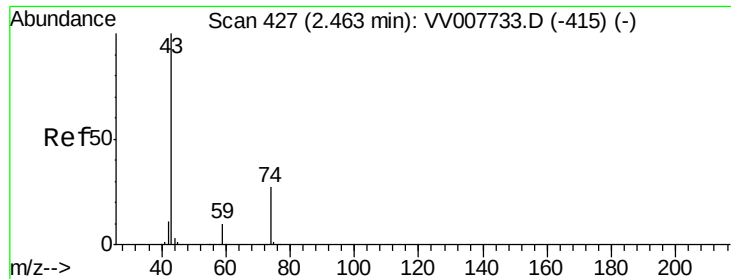
Tgt Ion: 76 Resp: 19674

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0

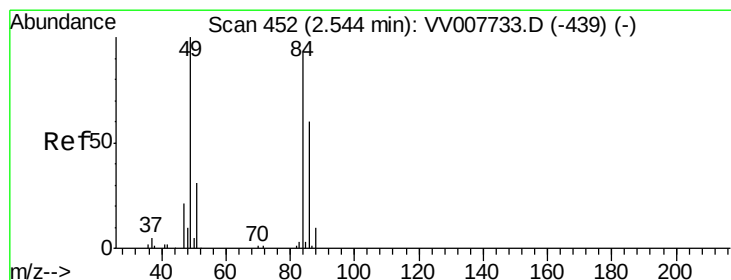
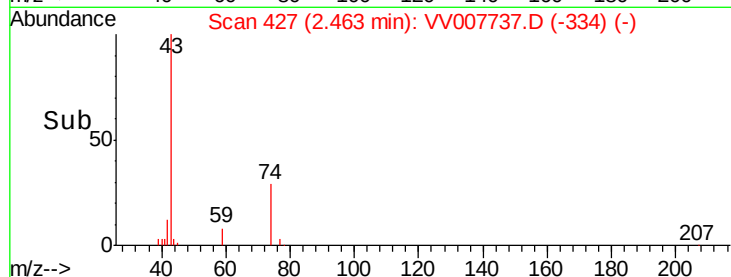
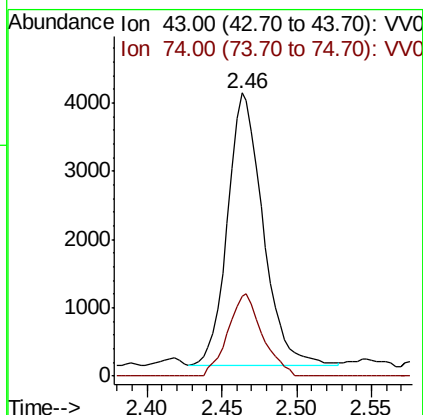
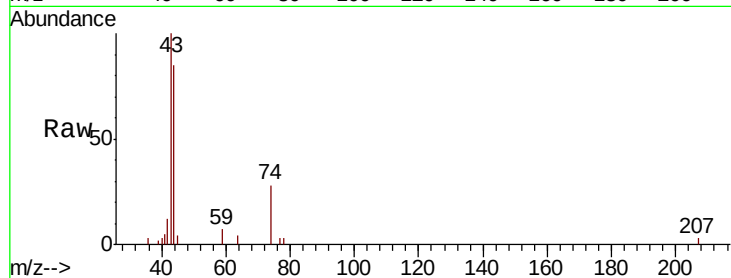




#15
Methyl Acetate
Concen: 5.019 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV007737.D
Acq: 22 Sep 2018 16:03

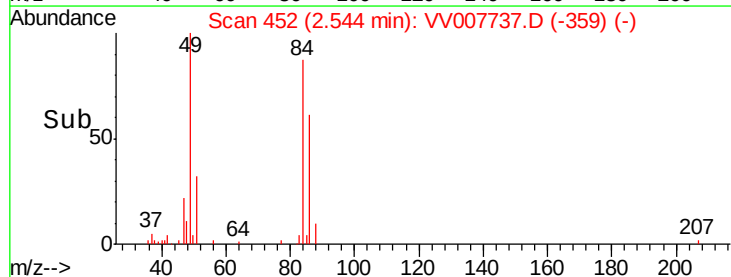
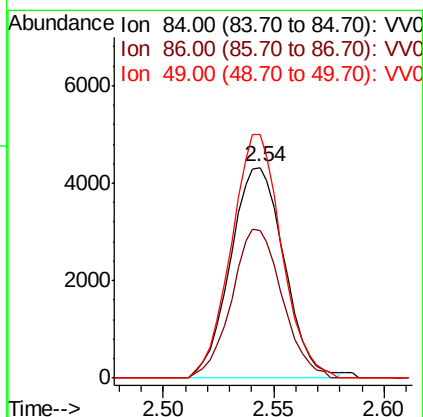
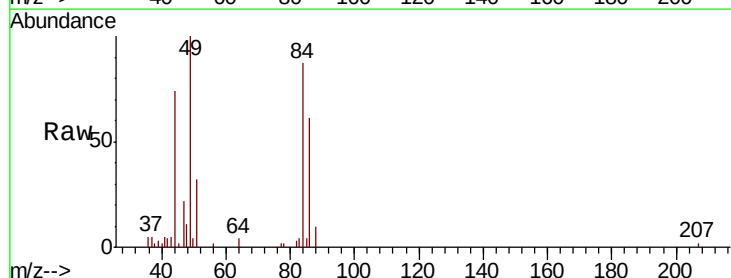
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

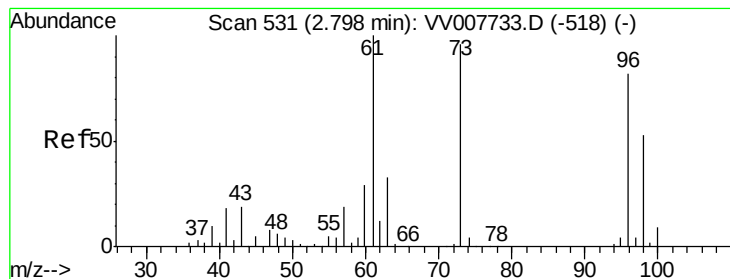
Tgt Ion: 43 Resp: 6604
Ion Ratio Lower Upper
43 100
74 29.1 22.2 33.2



#16
Methylene chloride
Concen: 5.000 ug/L
RT: 2.54 min Scan# 452
Delta R.T. 0.00 min
Lab File: VV007737.D
Acq: 22 Sep 2018 16:03

Tgt Ion: 84 Resp: 7314
Ion Ratio Lower Upper
84 100
86 70.3 45.4 84.4
49 115.6 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 5.462 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

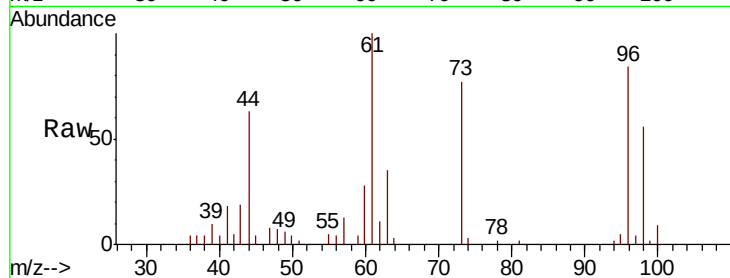
Tgt Ion: 96 Resp: 7901

Ion Ratio Lower Upper

96 100

61 118.8 84.9 157.7

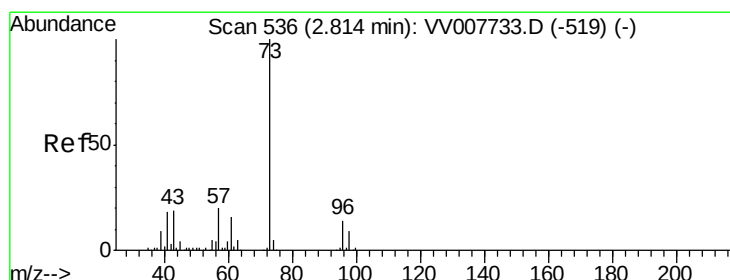
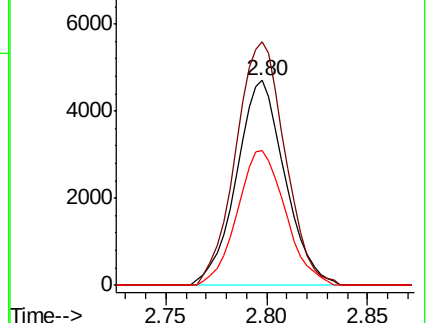
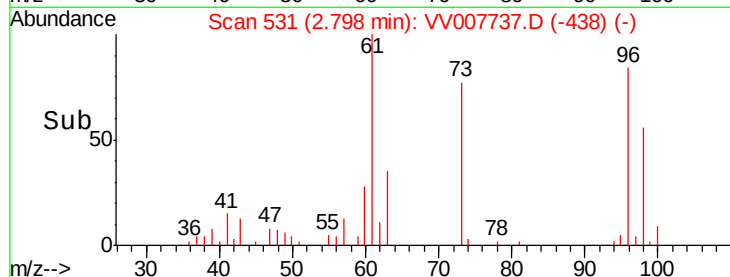
98 66.0 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV007737.D (-438) (-)

Ion 61.00 (60.70 to 61.70): VV007737.D (-438) (-)

Ion 98.00 (97.70 to 98.70): VV007737.D (-438) (-)



#18

Methyl tert-butyl Ether

Concen: 4.884 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

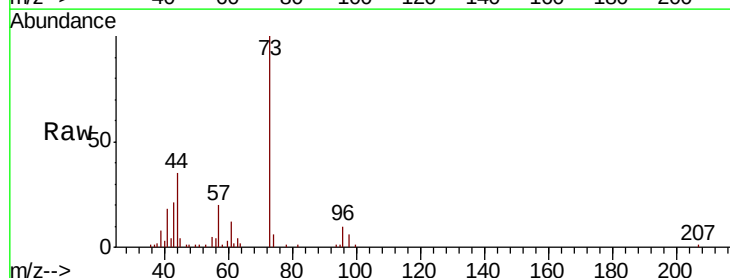
Tgt Ion: 73 Resp: 21620

Ion Ratio Lower Upper

73 100

43 20.0 15.0 22.6

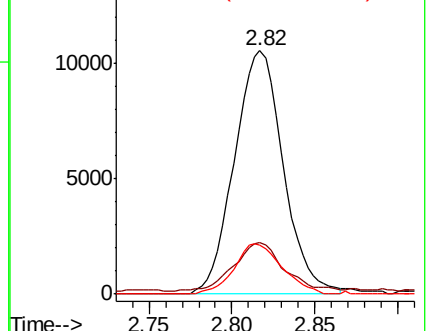
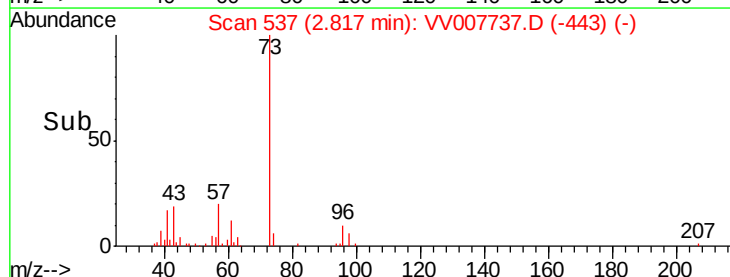
57 20.1 15.8 23.8

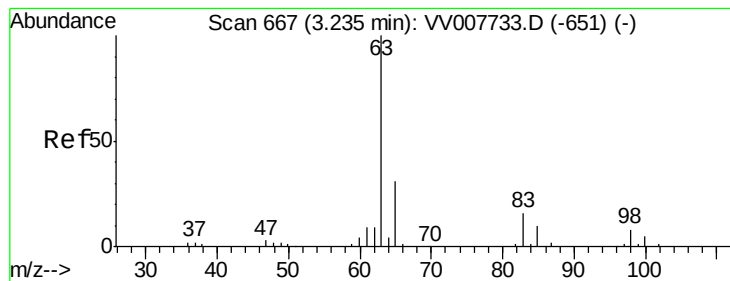


Abundance Ion 73.00 (72.70 to 73.70): VV007737.D (-443) (-)

Ion 43.00 (42.70 to 43.70): VV007737.D (-443) (-)

Ion 57.00 (56.70 to 57.70): VV007737.D (-443) (-)

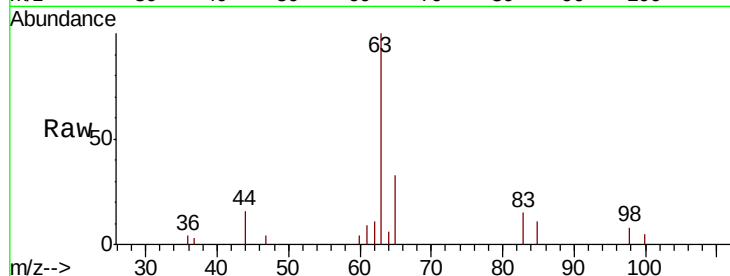




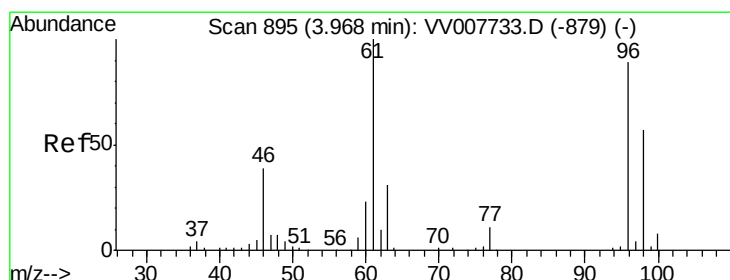
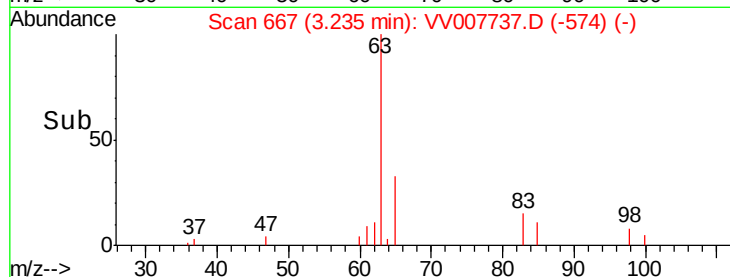
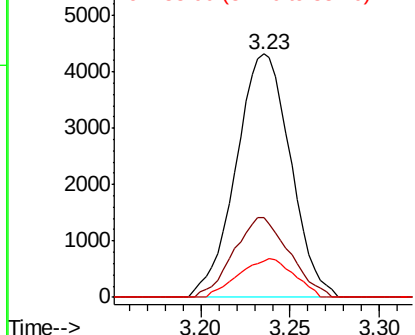
#19
 1,1-Dichloroethane
 Concen: 4.884 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV007737.D
 Acq: 22 Sep 2018 16:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion: 63 Resp: 9175
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.6 40.2
 83 15.0 11.2 20.8

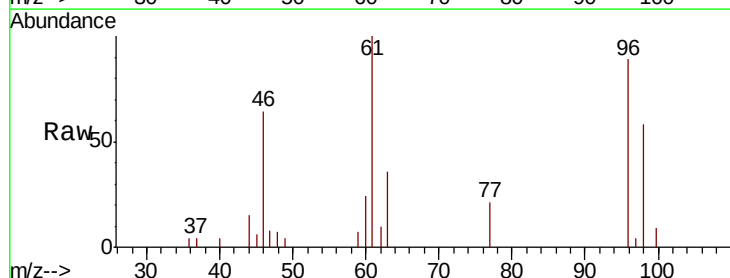


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

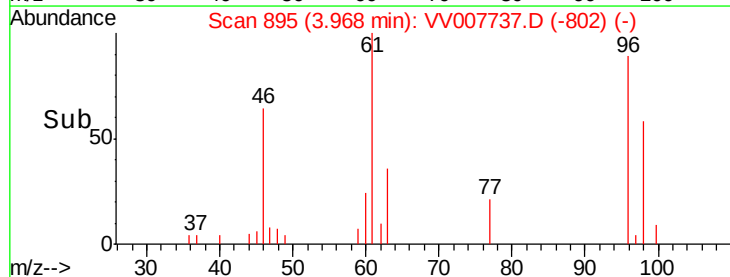
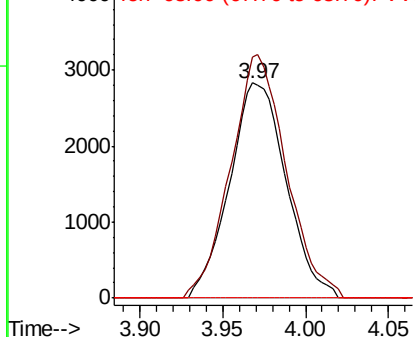


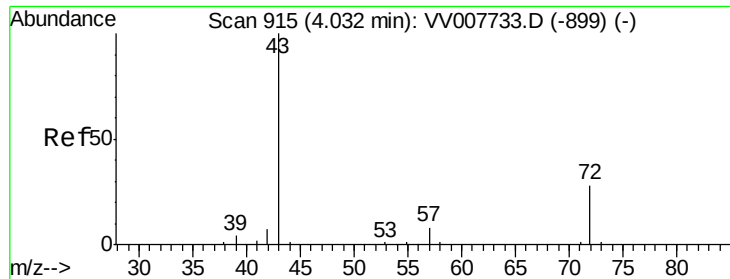
#20
 cis-1,2-Dichloroethene
 Concen: 5.082 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007737.D
 Acq: 22 Sep 2018 16:03

Tgt Ion: 96 Resp: 6715
 Ion Ratio Lower Upper
 96 100
 61 112.0 78.8 146.3
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 9.714 ug/L

RT: 4.04 min Scan# 917

Delta R.T. 0.01 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

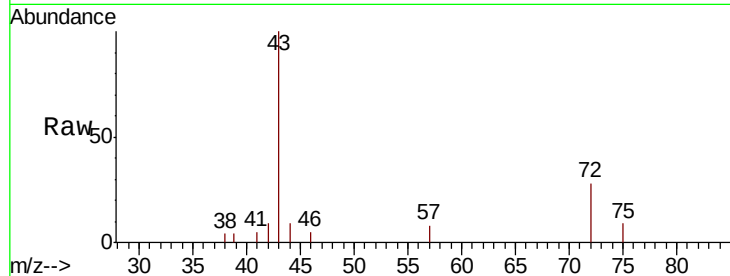
VSTD00563

Tgt Ion: 43 Resp: 7687

Ion Ratio Lower Upper

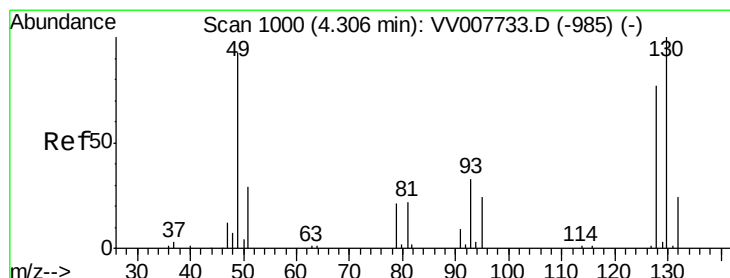
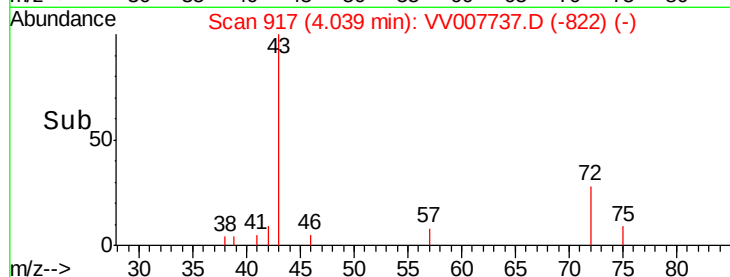
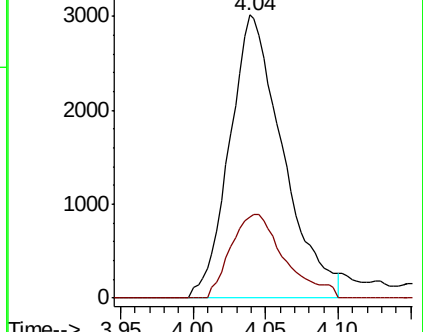
43 100

72 29.0 14.2 42.6



Abundance Ion 43.00 (42.70 to 43.70): VV007737.D (-899) (-)

Ion 72.00 (71.70 to 72.70): VV007737.D (-899) (-)



#23

Bromochloromethane

Concen: 4.925 ug/L

RT: 4.31 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Tgt Ion: 128 Resp: 3561

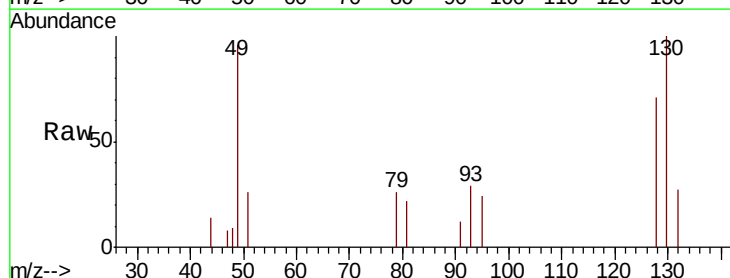
Ion Ratio Lower Upper

128 100

49 135.1 84.8 157.4

130 141.0 90.9 168.9

51 36.2 30.6 46.0

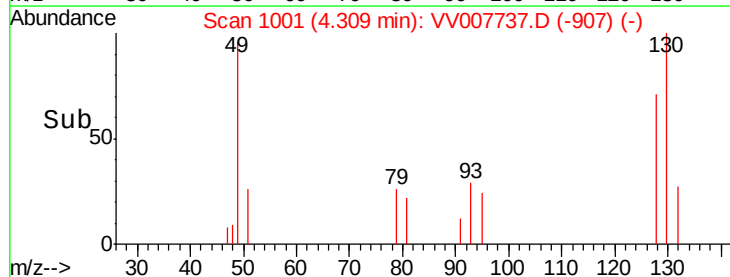
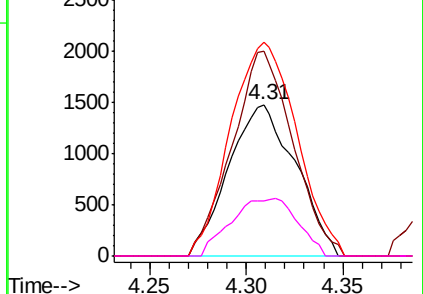


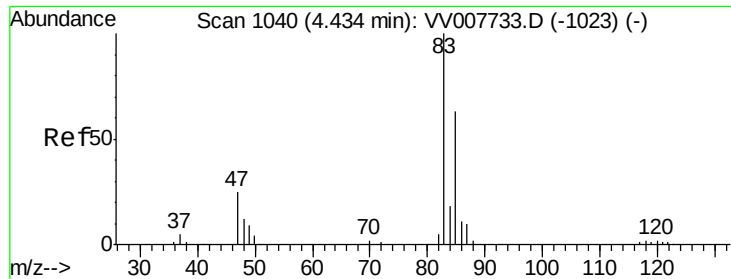
Abundance Ion 128.00 (127.70 to 128.70): VV007737.D (-985) (-)

Ion 49.00 (48.70 to 49.70): VV007737.D (-985) (-)

Ion 130.00 (129.70 to 130.70): VV007737.D (-985) (-)

Ion 51.00 (50.70 to 51.70): VV007737.D (-985) (-)

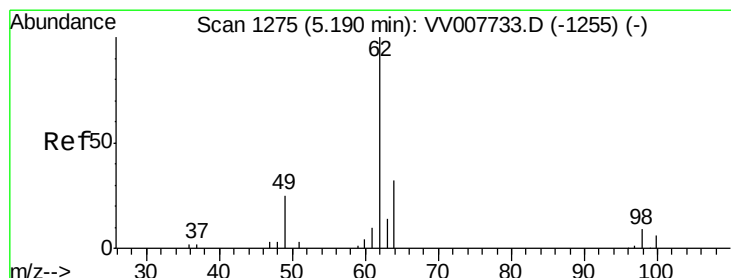
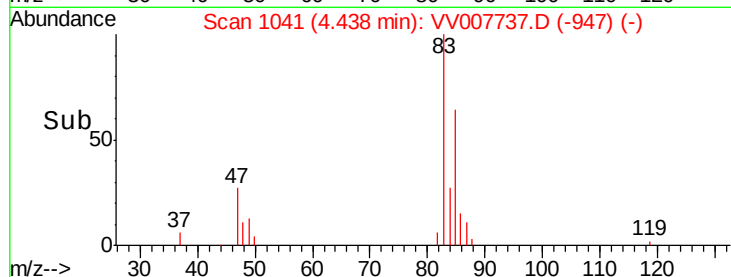
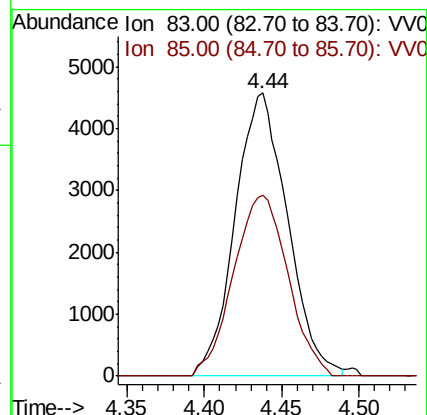
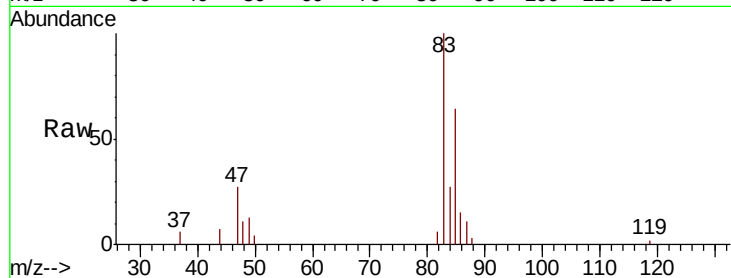




#25
Chloroform
Concen: 4.546 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VV007737.D
Acq: 22 Sep 2018 16:03

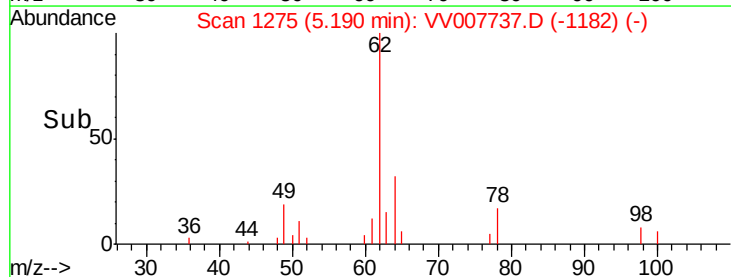
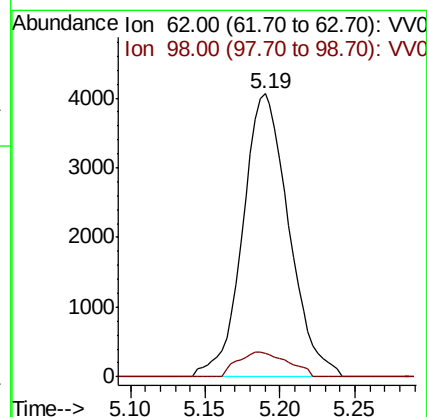
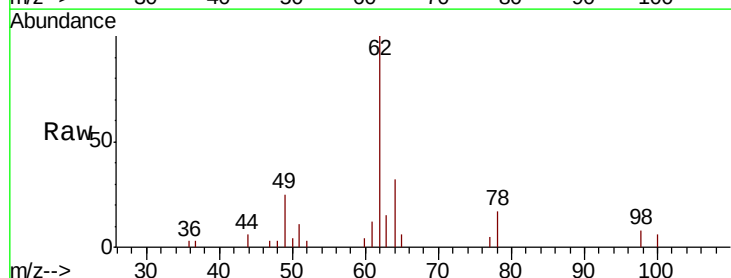
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

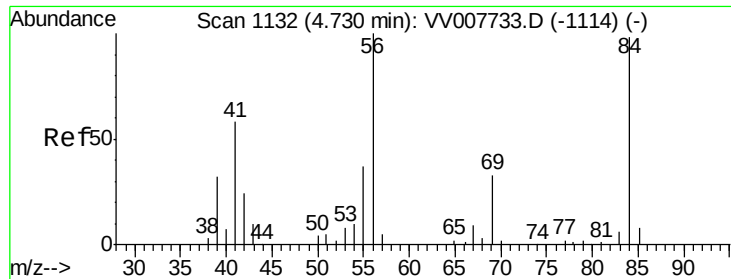
Tgt Ion: 83 Resp: 10779
Ion Ratio Lower Upper
83 100
85 63.9 44.0 81.8



#27
1,2-Dichloroethane
Concen: 4.884 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV007737.D
Acq: 22 Sep 2018 16:03

Tgt Ion: 62 Resp: 8706
Ion Ratio Lower Upper
62 100
98 8.5 7.5 11.3

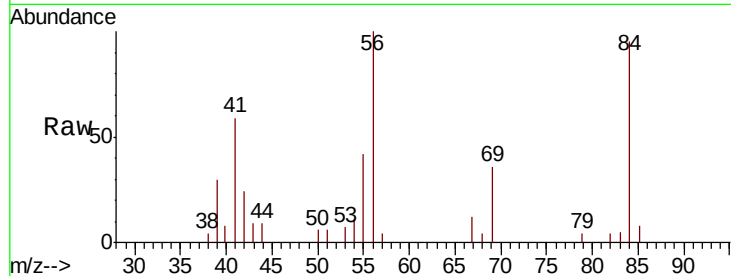




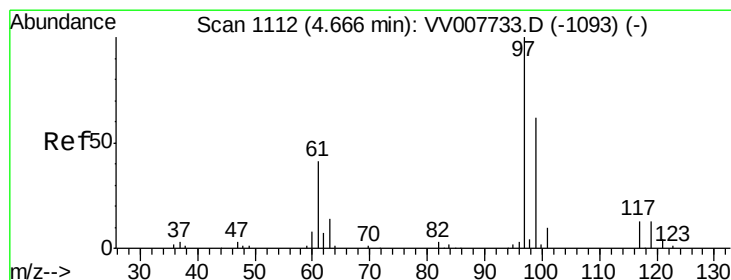
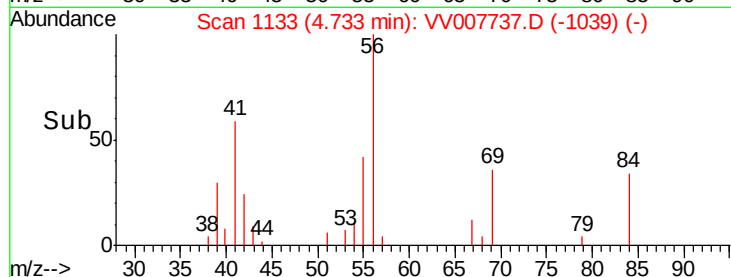
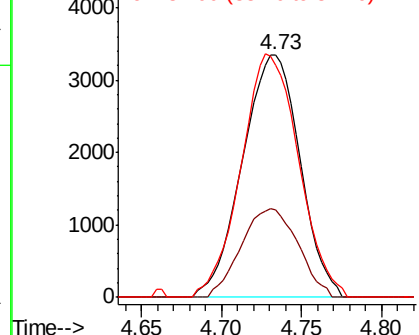
#29
Cyclohexane
Concen: 5.061 ug/L
RT: 4.73 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VV007737.D
Acq: 22 Sep 2018 16:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion: 56 Resp: 8259
Ion Ratio Lower Upper
56 100
69 36.0 26.1 39.1
84 100.2 79.7 119.5

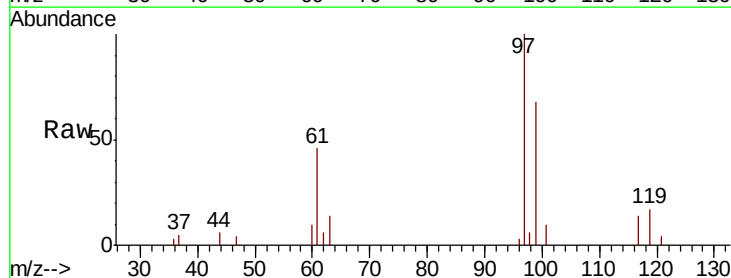


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

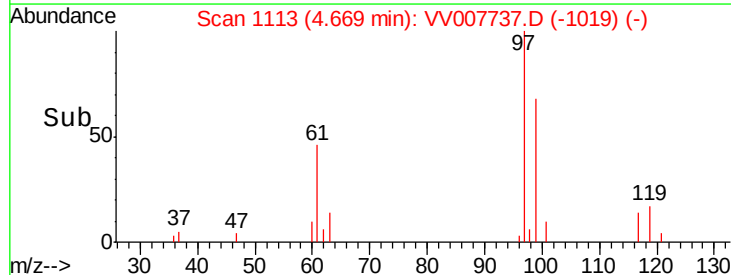
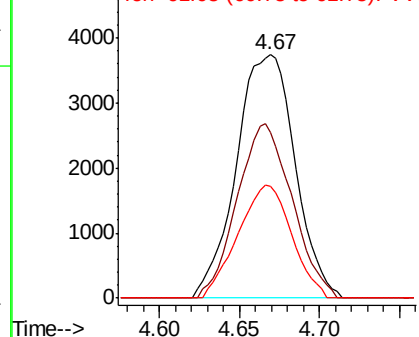


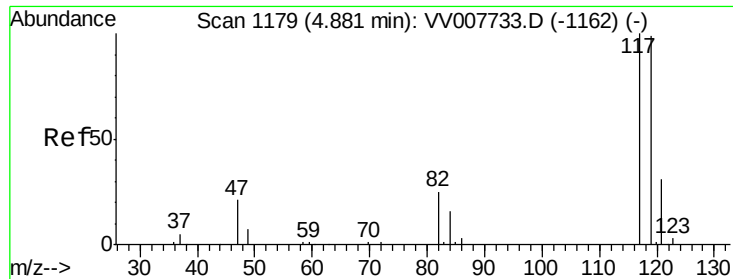
#30
1,1,1-Trichloroethane
Concen: 4.724 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VV007737.D
Acq: 22 Sep 2018 16:03

Tgt Ion: 97 Resp: 9435
Ion Ratio Lower Upper
97 100
99 66.8 51.8 77.8
61 42.1 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: 4.944 ug/L

RT: 4.88 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

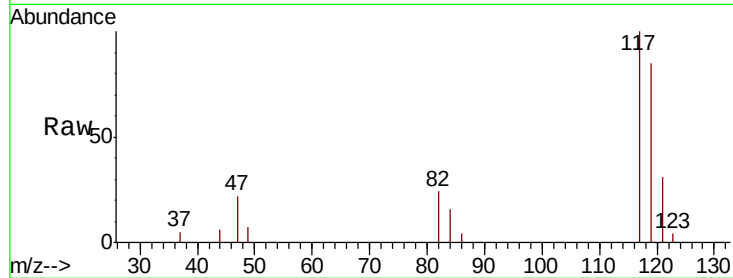
VSTD00563

Tgt Ion:117 Resp: 8803

Ion Ratio Lower Upper

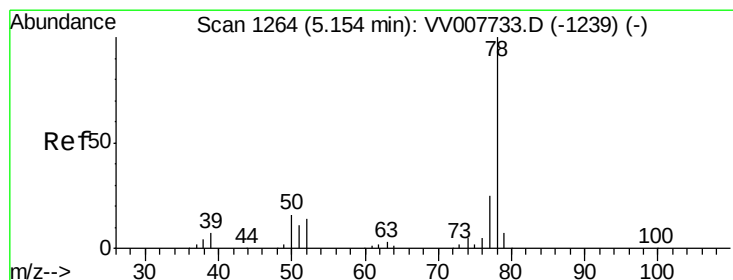
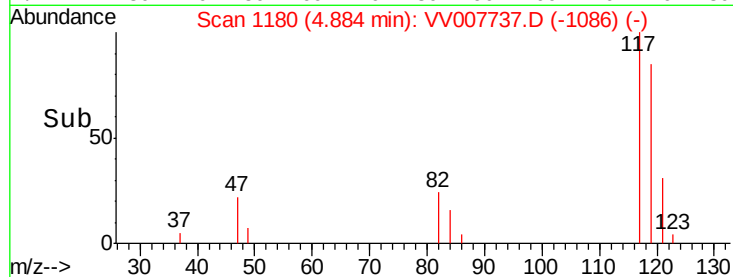
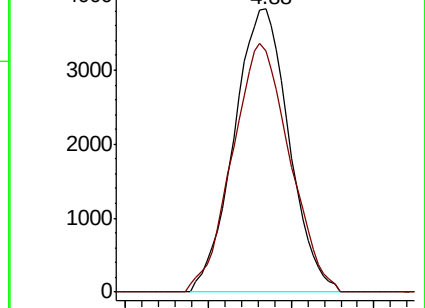
117 100

119 91.3 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.923 ug/L

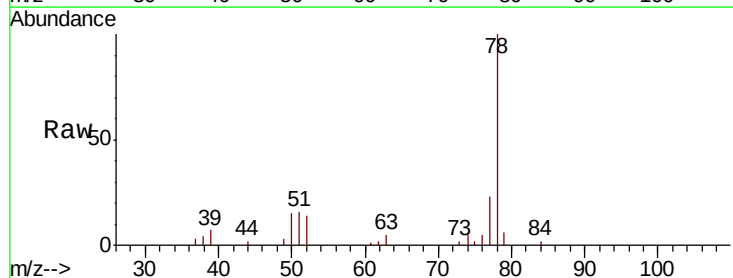
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

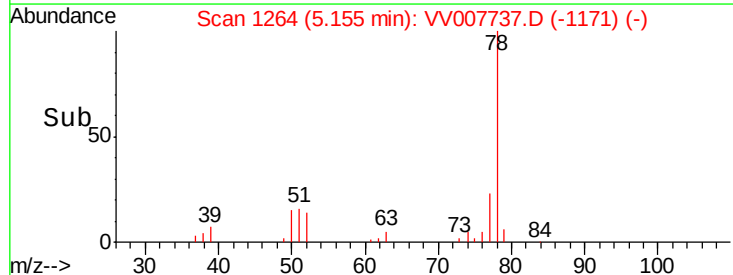
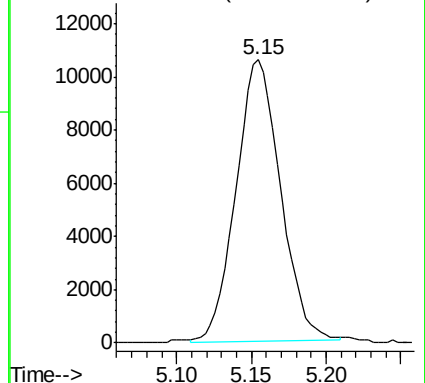
Lab File: VV007737.D

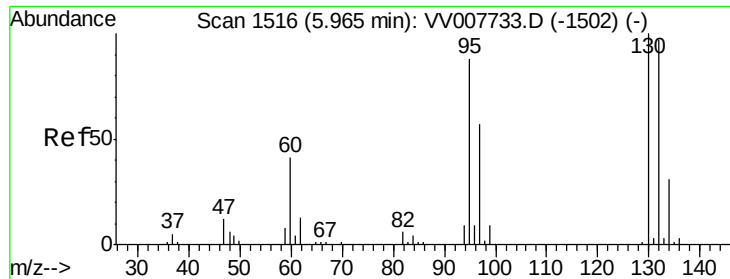
Acq: 22 Sep 2018 16:03

Tgt Ion: 78 Resp: 21893



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 5.341 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tgt Ion: 95 Resp: 6829

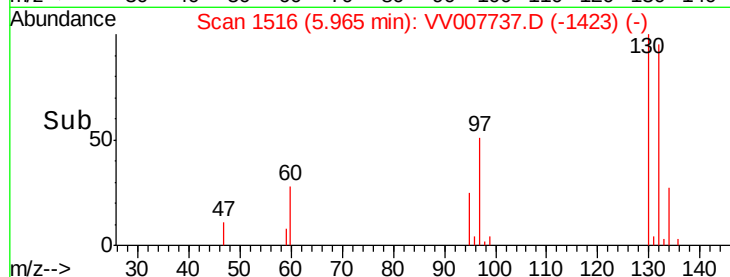
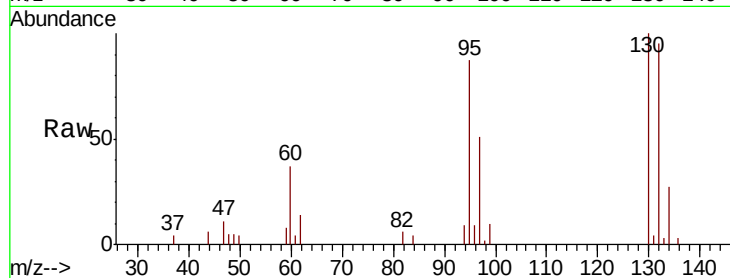
Ion Ratio Lower Upper

95 100

97 58.8 45.2 84.0

132 108.4 77.7 144.3

130 114.4 79.7 148.1

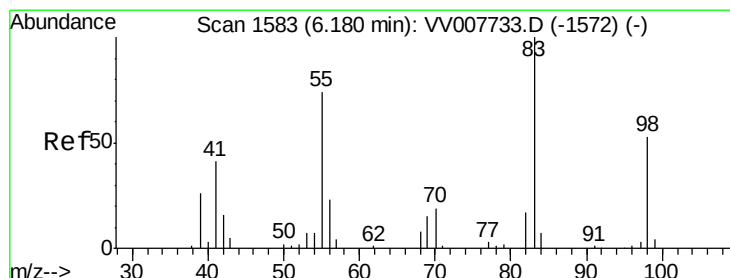
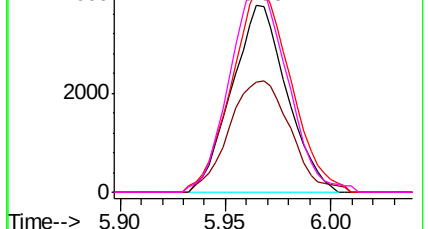


Abundance Ion 95.00 (94.70 to 95.70): VV007737.D (-1423) (-)

Ion 97.00 (96.70 to 97.70): VV007737.D (-1423) (-)

Ion 132.00 (131.70 to 132.70): VV007737.D (-1423) (-)

Ion 130.00 (129.70 to 130.70): VV007737.D (-1423) (-)



#35

Methylcyclohexane

Concen: 5.319 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

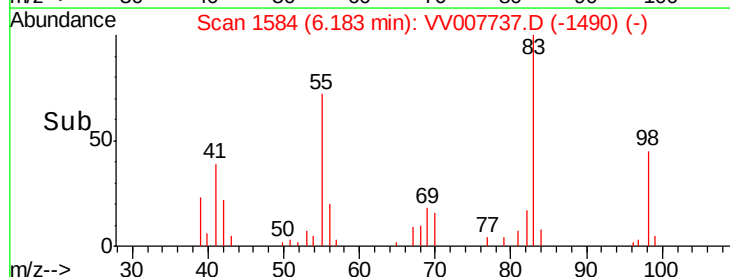
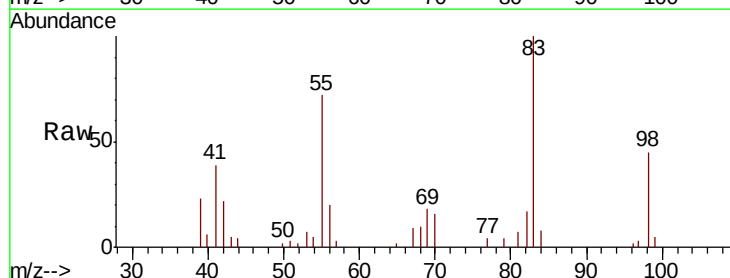
Tgt Ion: 83 Resp: 10504

Ion Ratio Lower Upper

83 100

55 70.1 54.6 82.0

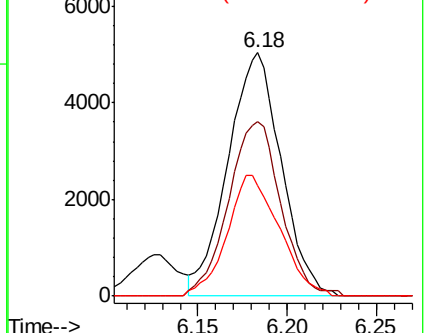
98 48.6 39.0 58.6

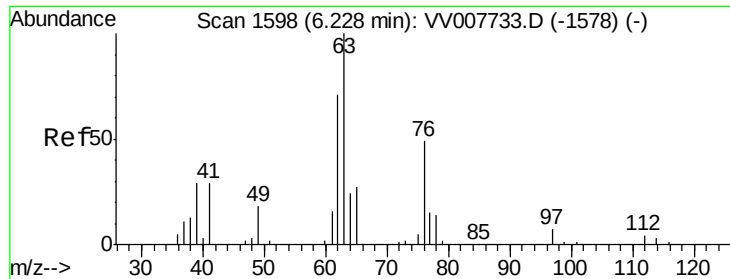


Abundance Ion 83.00 (82.70 to 83.70): VV007737.D (-1490) (-)

Ion 55.00 (54.70 to 55.70): VV007737.D (-1490) (-)

Ion 98.00 (97.70 to 98.70): VV007737.D (-1490) (-)

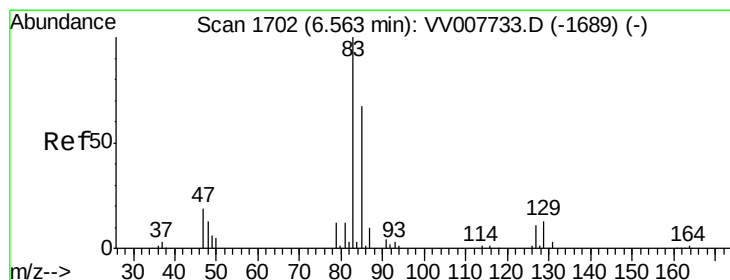
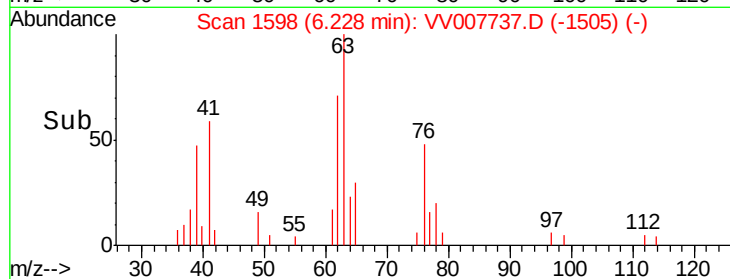
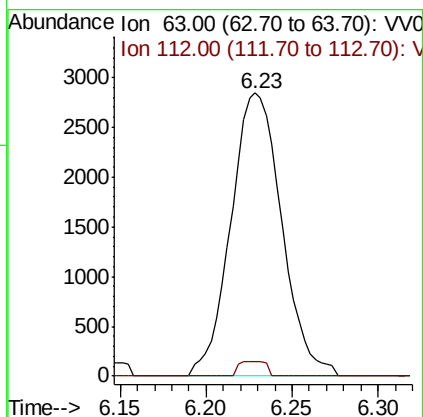
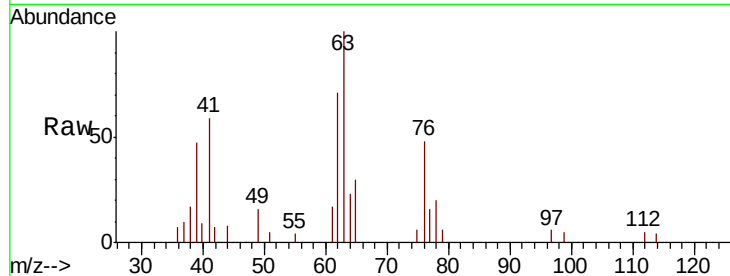




#37
 1,2-Dichloropropane
 Concen: 5.221 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007737.D
 Acq: 22 Sep 2018 16:03

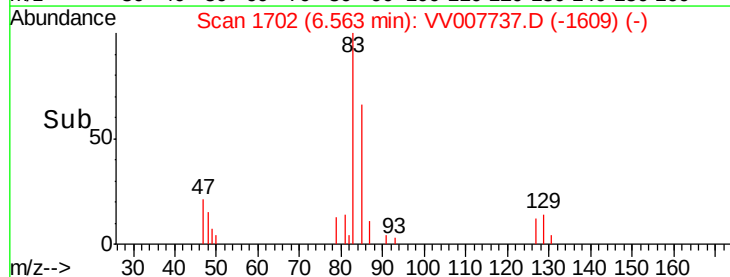
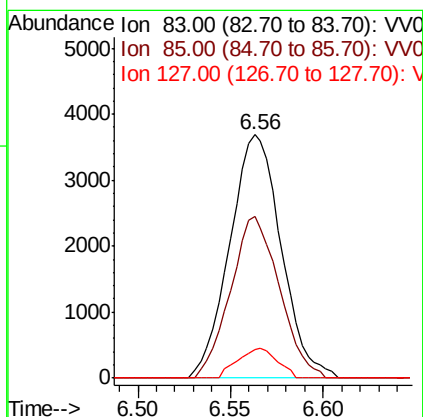
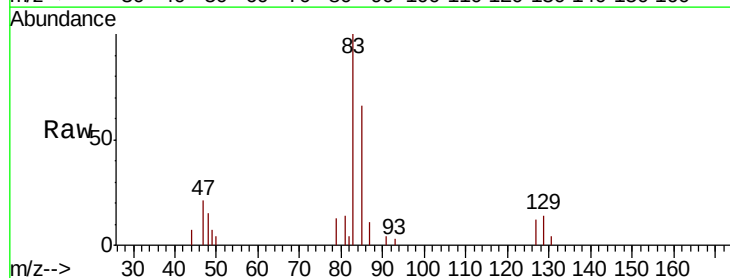
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

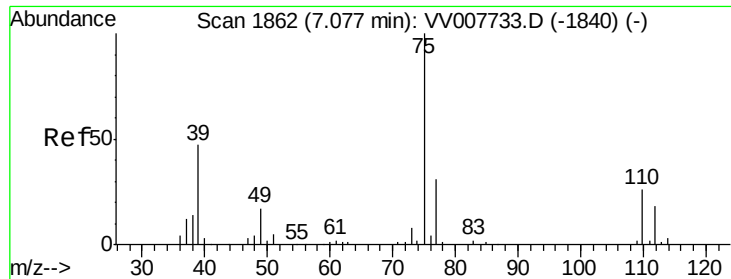
Tgt Ion: 63 Resp: 5840
 Ion Ratio Lower Upper
 63 100
 112 1.9 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 4.682 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007737.D
 Acq: 22 Sep 2018 16:03

Tgt Ion: 83 Resp: 7102
 Ion Ratio Lower Upper
 83 100
 85 66.5 46.6 86.6
 127 11.7 8.7 13.1

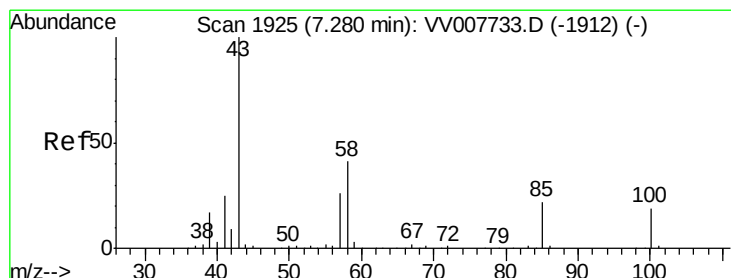
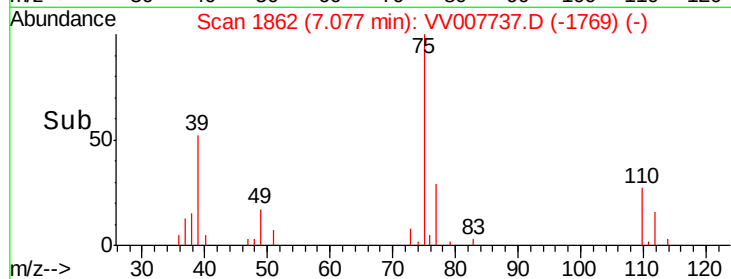
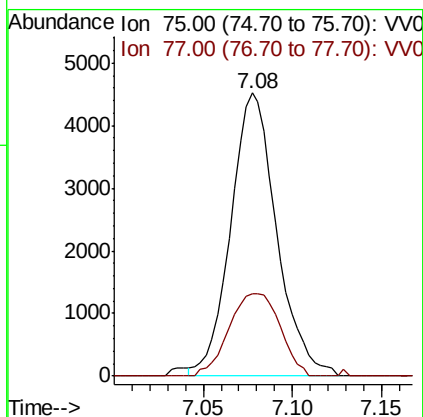
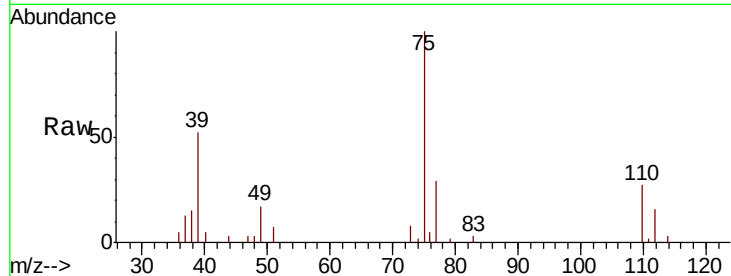




#39
 cis-1,3-Dichloropropene
 Concen: 4.663 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007737.D
 Acq: 22 Sep 2018 16:03

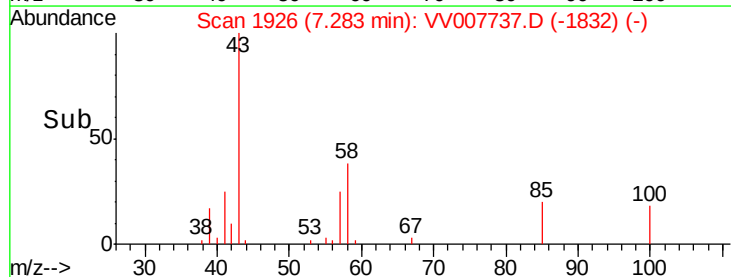
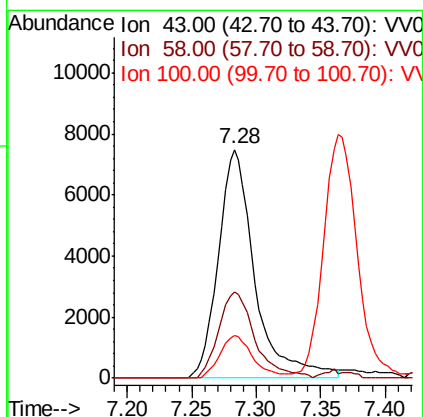
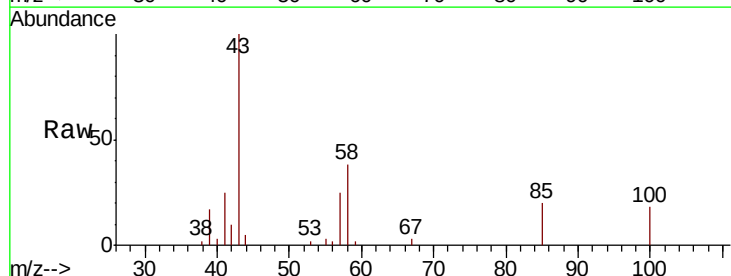
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

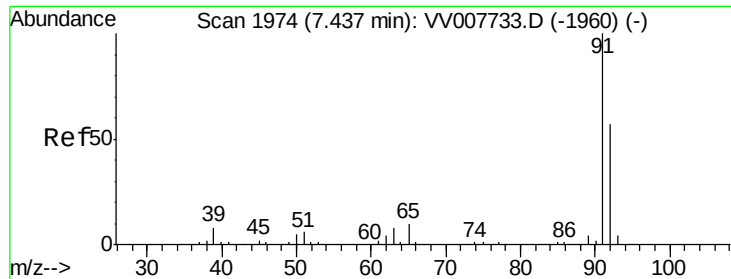
Tgt Ion: 75 Resp: 8096
 Ion Ratio Lower Upper
 75 100
 77 28.9 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 9.845 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV007737.D
 Acq: 22 Sep 2018 16:03

Tgt Ion: 43 Resp: 14717
 Ion Ratio Lower Upper
 43 100
 58 37.3 31.5 47.3
 100 16.9 14.7 22.1





#42

Toluene

Concen: 4.975 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

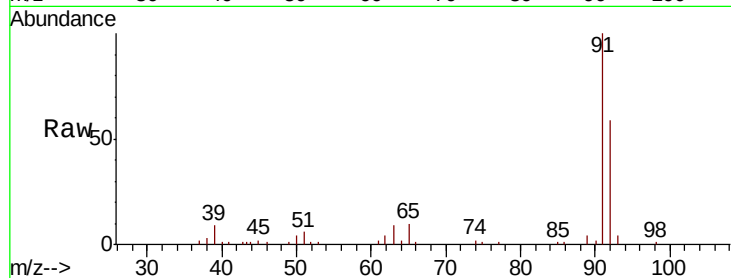
VSTD00563

Tgt Ion: 91 Resp: 25850

Ion Ratio Lower Upper

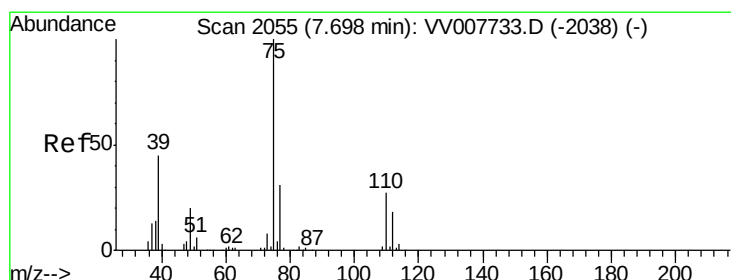
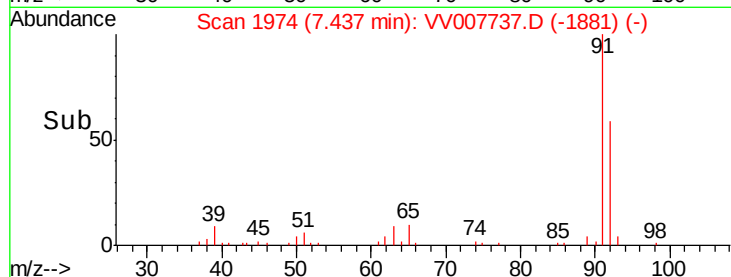
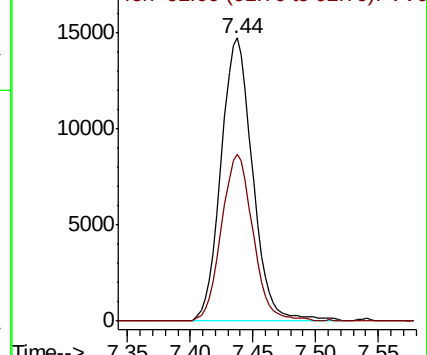
91 100

92 59.1 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.631 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV007737.D

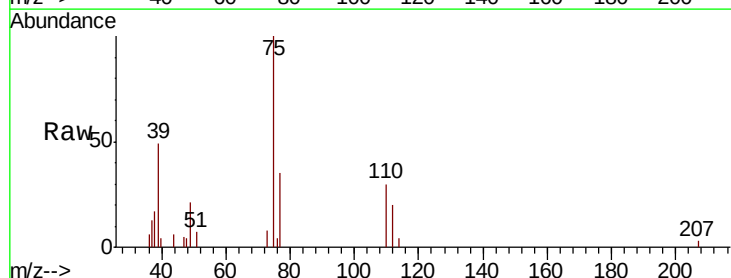
Acq: 22 Sep 2018 16:03

Tgt Ion: 75 Resp: 7614

Ion Ratio Lower Upper

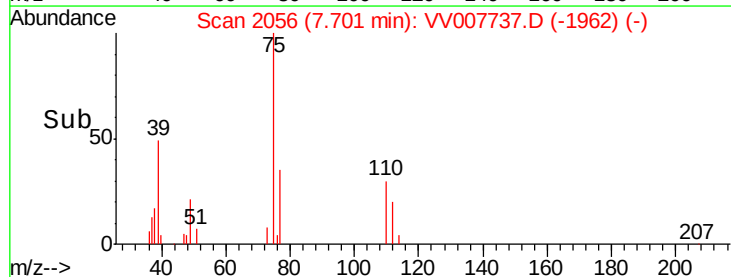
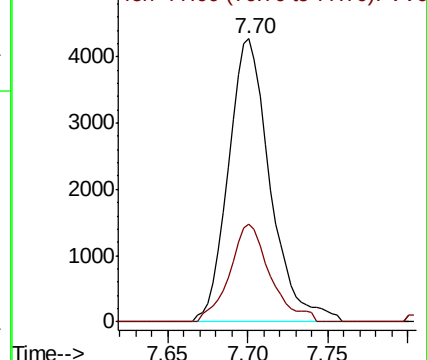
75 100

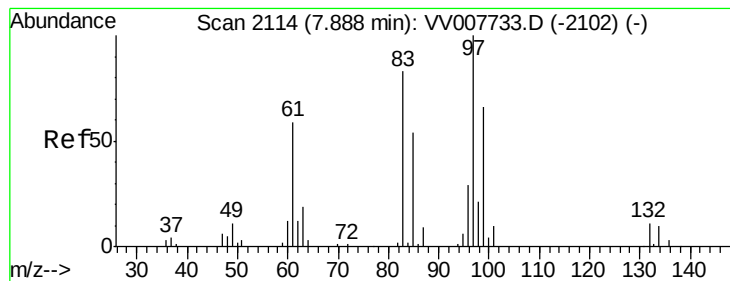
77 34.7 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 5.098 ug/L

RT: 7.89 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tgt Ion: 97 Resp: 6375

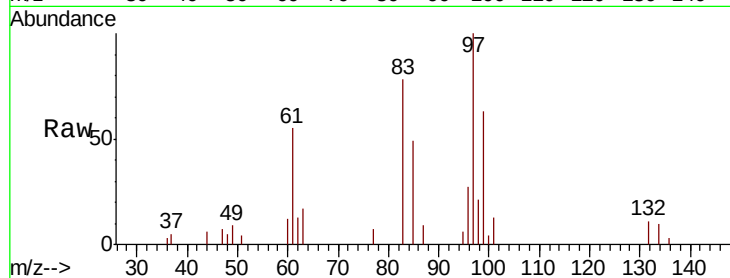
Ion Ratio Lower Upper

97 100

99 63.0 45.8 85.2

83 77.9 58.2 108.0

85 49.3 38.0 70.6

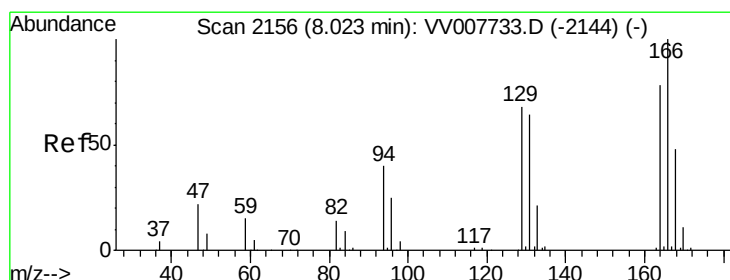
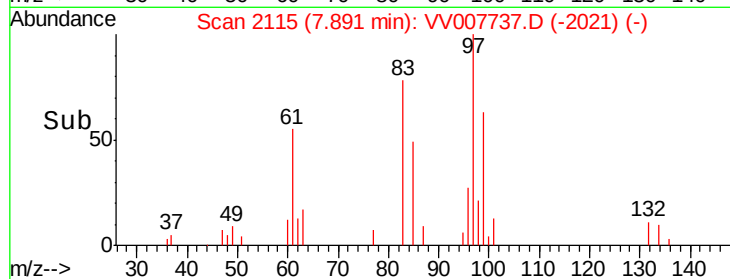
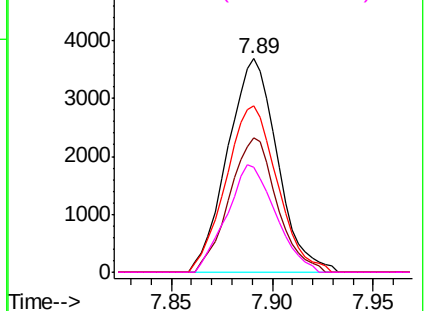


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 5.301 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Tgt Ion: 164 Resp: 6957

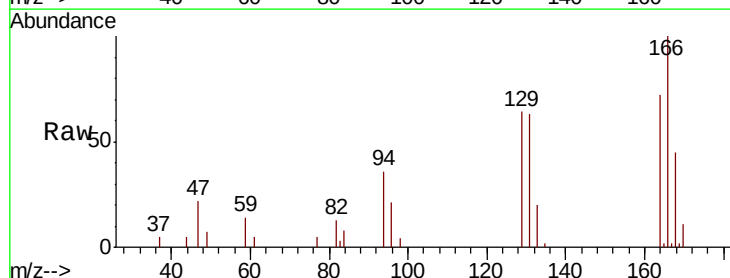
Ion Ratio Lower Upper

164 100

129 88.5 61.0 113.4

131 87.0 57.8 107.4

166 138.2 89.9 167.0

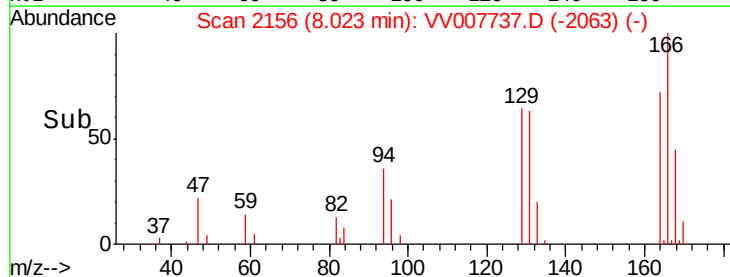
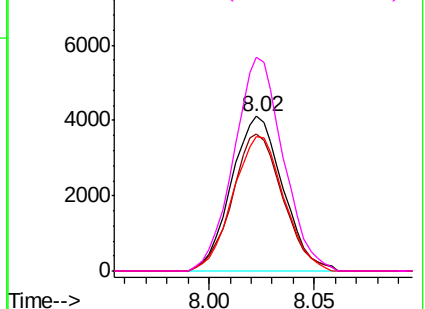


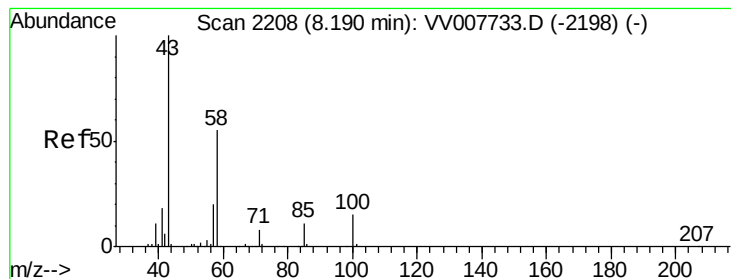
Abundance Ion 164.00 (163.70 to 164.70): V

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: 8.445 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tgt Ion: 43 Resp: 9874

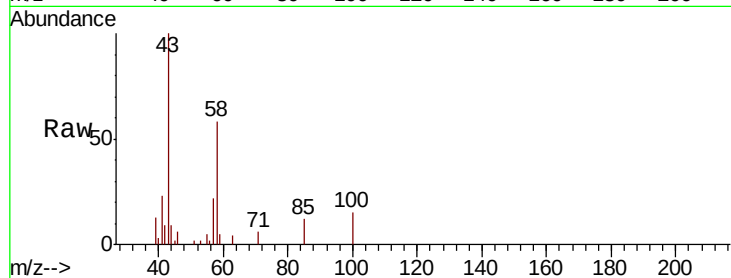
Ion Ratio Lower Upper

43 100

58 56.1 41.4 62.0

57 21.4 16.0 24.0

100 14.5 11.9 17.9

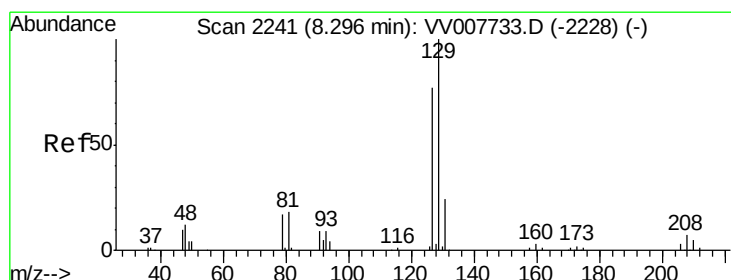
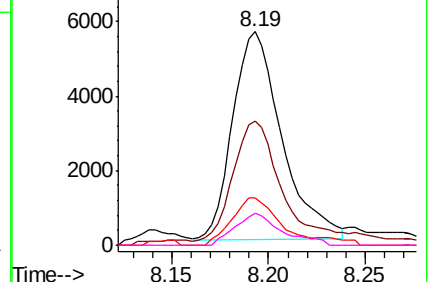
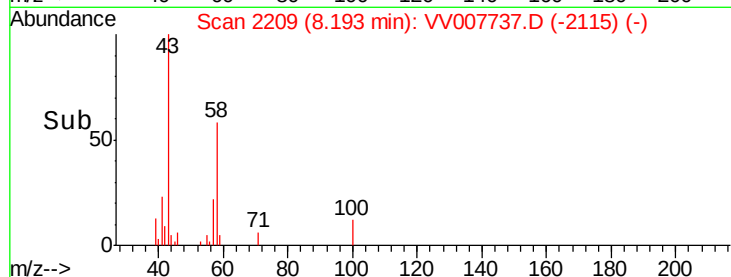


Abundance Ion 43.00 (42.70 to 43.70): VV007733.D (-2198) (-)

Ion 58.00 (57.70 to 58.70): VV007733.D (-2198) (-)

Ion 57.00 (56.70 to 57.70): VV007733.D (-2198) (-)

Ion 100.00 (99.70 to 100.70): VV007733.D (-2198) (-)



#49

Dibromochloromethane

Concen: 4.287 ug/L

RT: 8.30 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VV007737.D

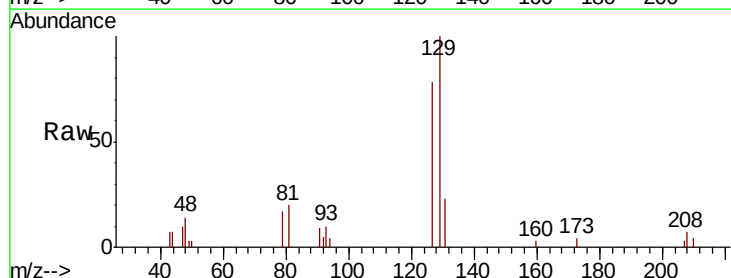
Acq: 22 Sep 2018 16:03

Tgt Ion: 129 Resp: 6058

Ion Ratio Lower Upper

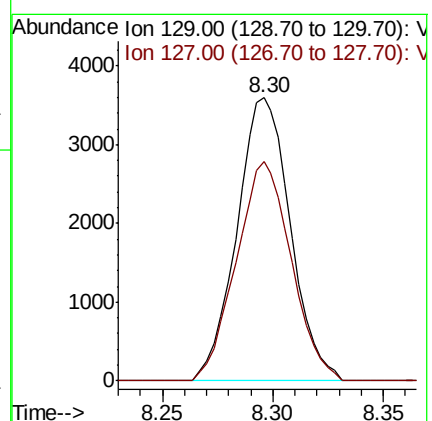
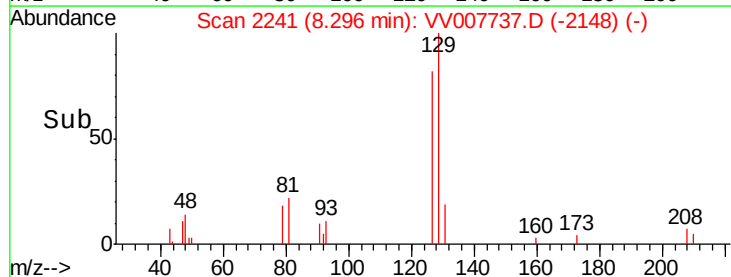
129 100

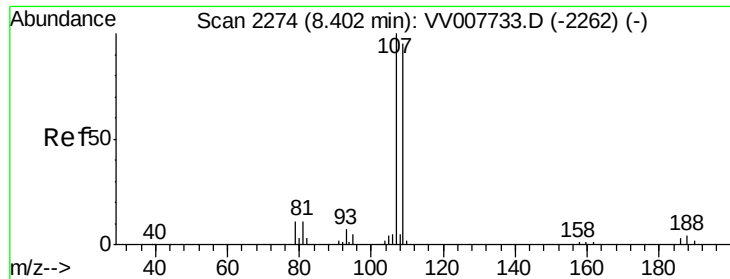
127 77.6 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): VV007733.D (-2228) (-)

Ion 127.00 (126.70 to 127.70): VV007733.D (-2228) (-)

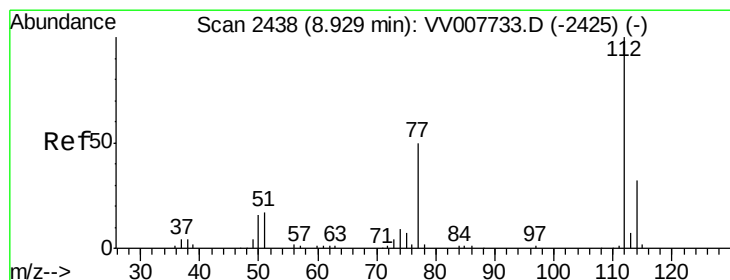
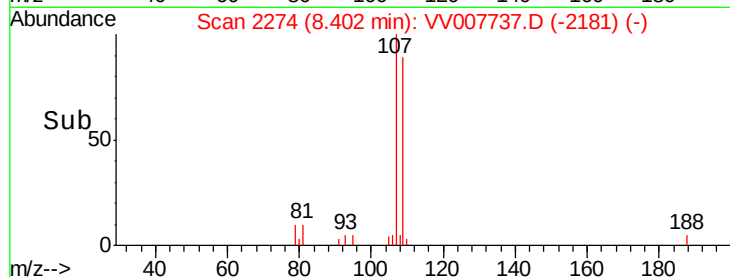
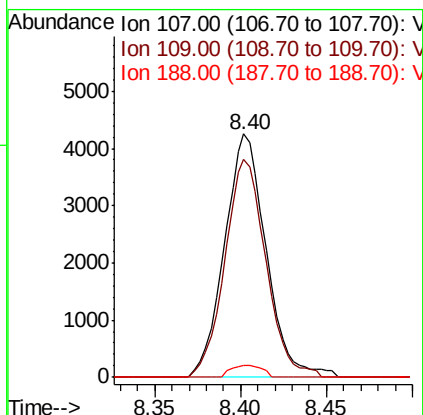
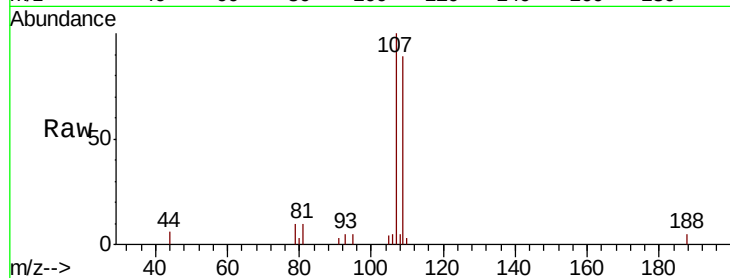




#50
1,2-Dibromoethane
Concen: 5.215 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007737.D
Acq: 22 Sep 2018 16:03

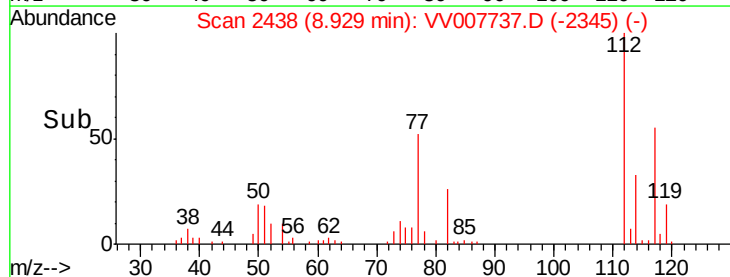
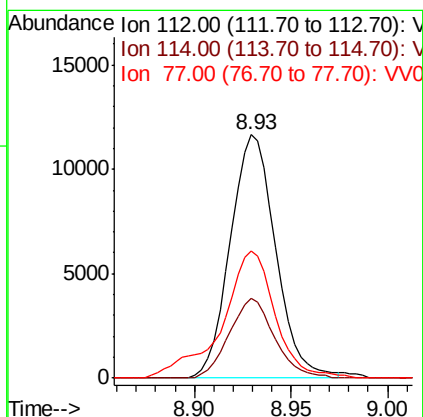
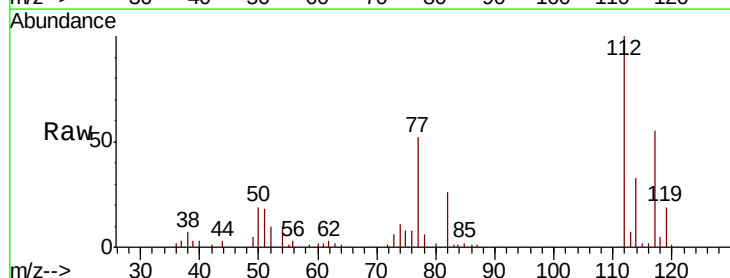
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

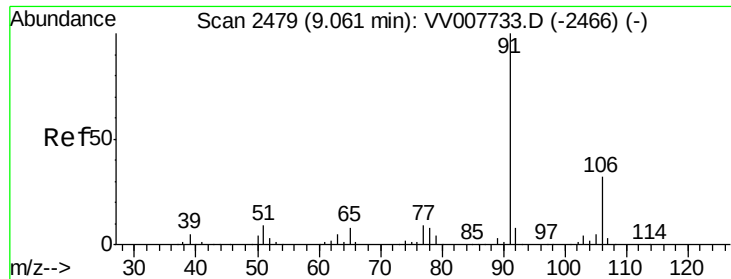
Tgt Ion:107 Resp: 7159
Ion Ratio Lower Upper
107 100
109 89.5 66.4 123.2
188 4.9 3.5 5.3



#51
Chlorobenzene
Concen: 5.082 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007737.D
Acq: 22 Sep 2018 16:03

Tgt Ion:112 Resp: 19017
Ion Ratio Lower Upper
112 100
114 32.8 22.3 41.3
77 52.4 40.6 60.8





#52

Ethylbenzene

Concen: 4.803 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

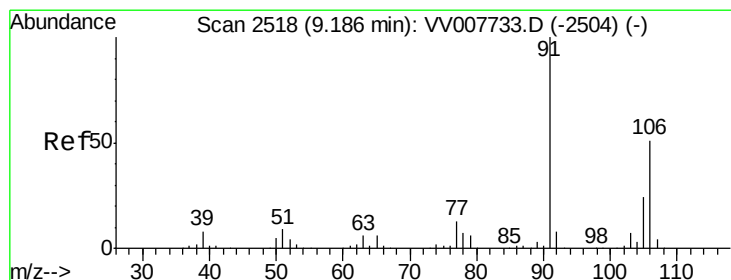
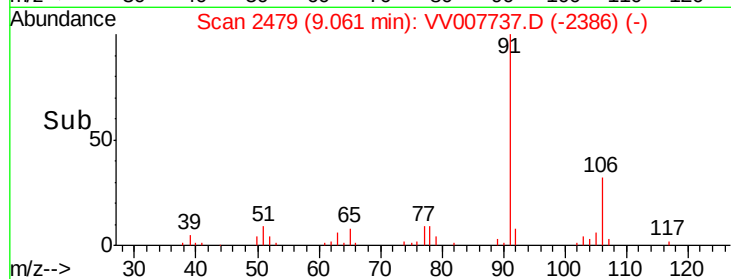
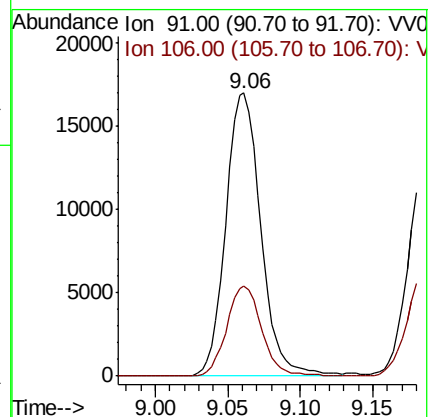
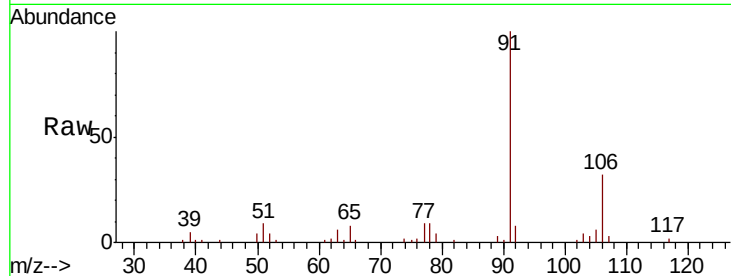
VSTD00563

Tgt Ion: 91 Resp: 28525

Ion Ratio Lower Upper

91 100

106 31.7 22.7 42.1



#53

m,p-Xylene

Concen: 4.892 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007737.D

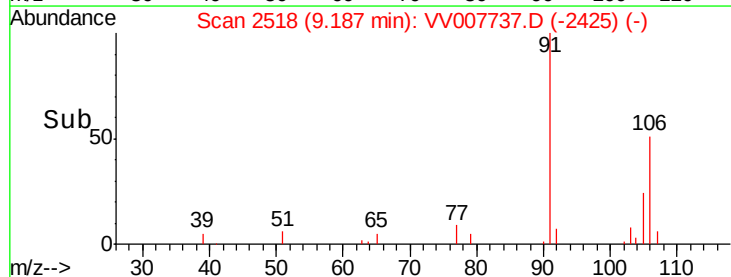
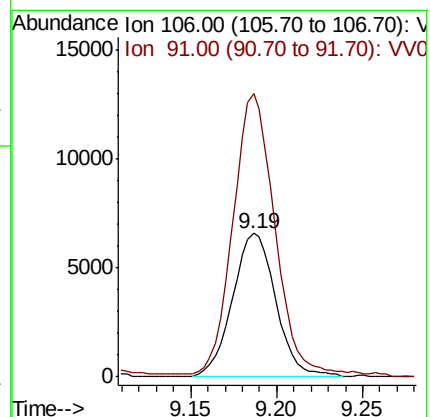
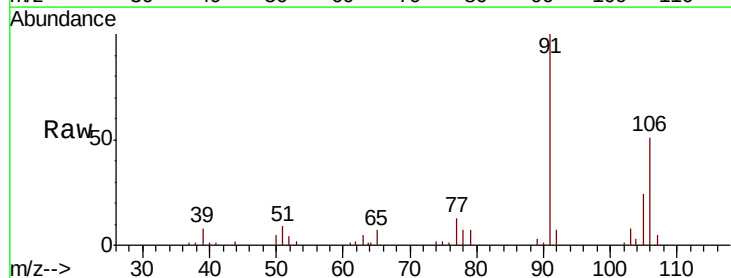
Acq: 22 Sep 2018 16:03

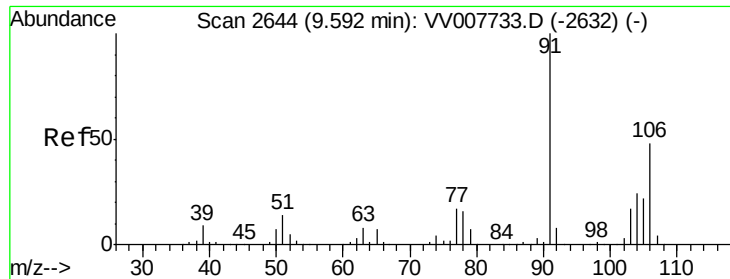
Tgt Ion: 106 Resp: 11543

Ion Ratio Lower Upper

106 100

91 197.2 137.3 254.9

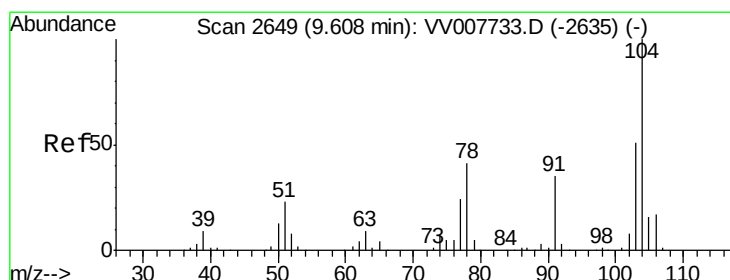
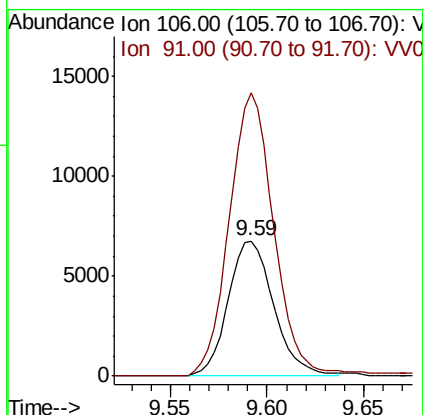
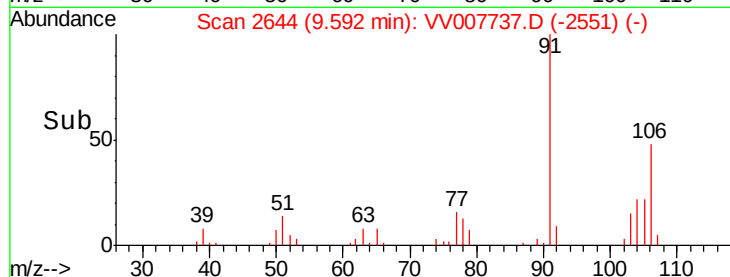
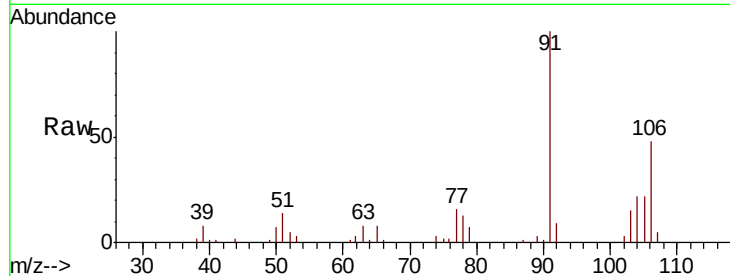




#54
o-xylene
Concen: 4.745 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007737.D
Acq: 22 Sep 2018 16:03

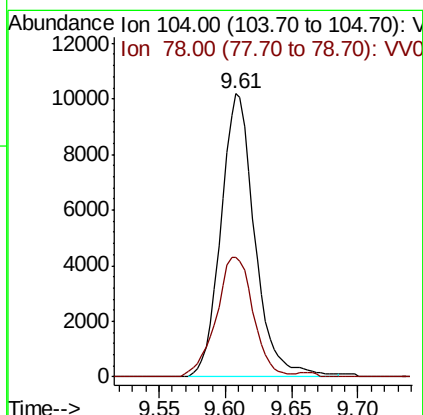
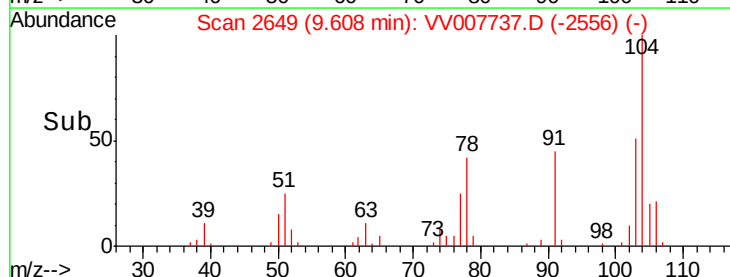
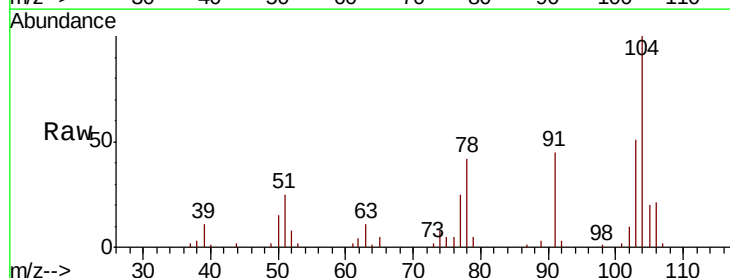
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

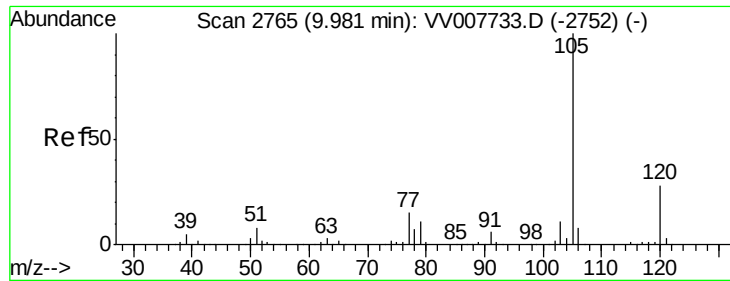
Tgt Ion:106 Resp: 11114
Ion Ratio Lower Upper
106 100
91 209.7 145.5 270.3



#55
Styrene
Concen: 4.565 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007737.D
Acq: 22 Sep 2018 16:03

Tgt Ion:104 Resp: 18118
Ion Ratio Lower Upper
104 100
78 42.2 29.1 54.1





#56

Isopropylbenzene

Concen: 4.713 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

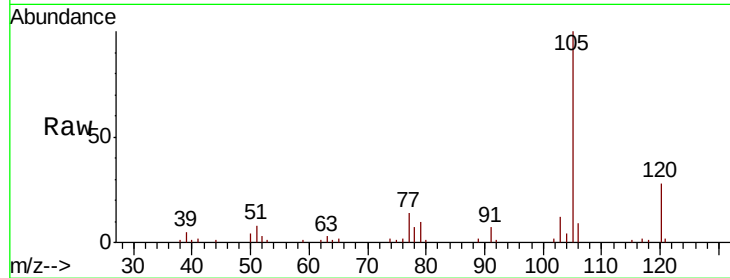
Tgt Ion: 105 Resp: 29401

Ion Ratio Lower Upper

105 100

120 28.5 22.0 33.0

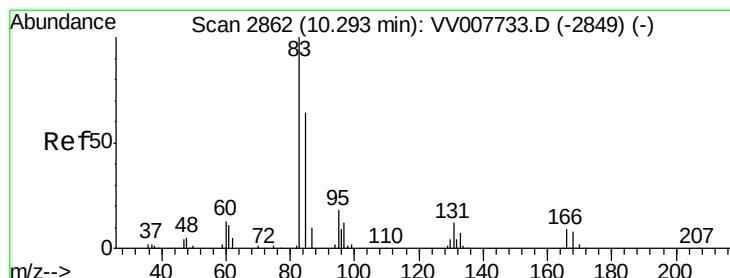
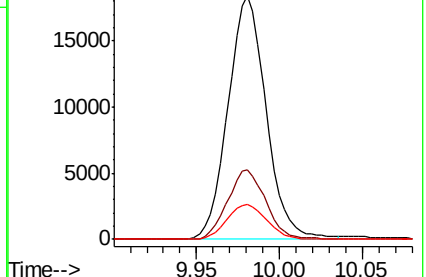
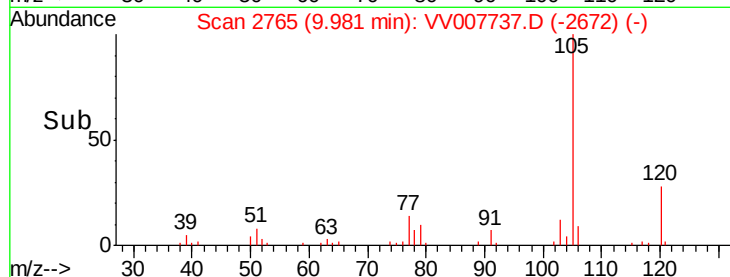
77 14.7 12.1 18.1



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: 4.402 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

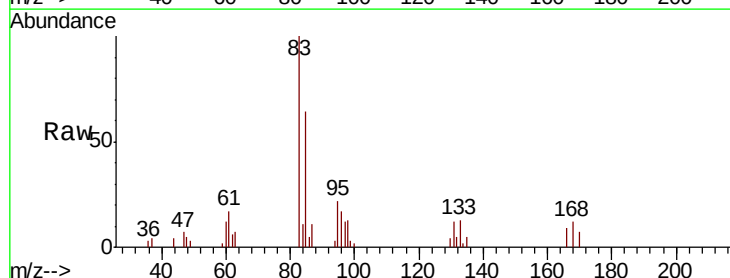
Tgt Ion: 83 Resp: 9269

Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4

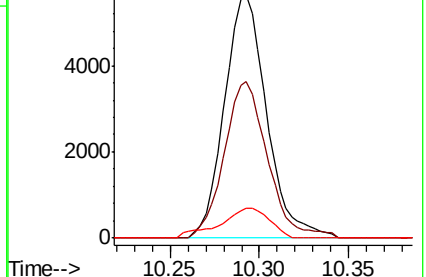
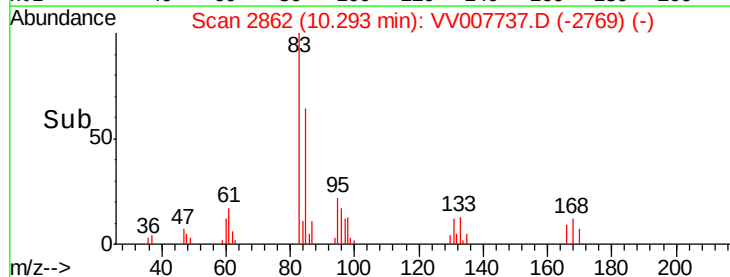
131 12.5 9.8 14.8

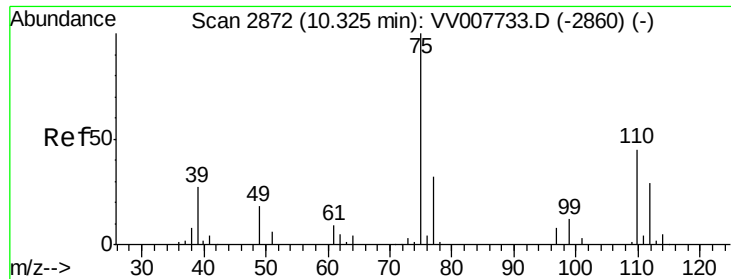


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.705 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

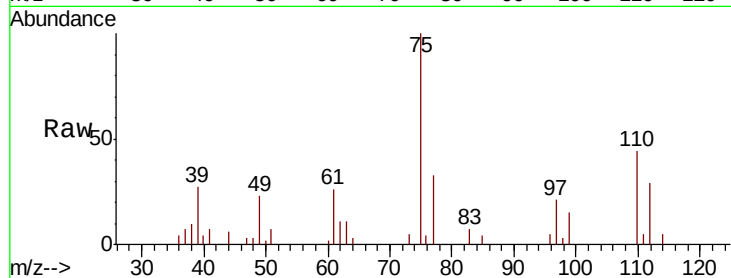
VSTD00563

Tgt Ion: 75 Resp: 7771

Ion Ratio Lower Upper

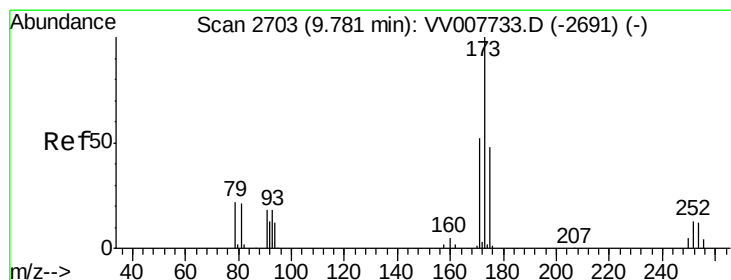
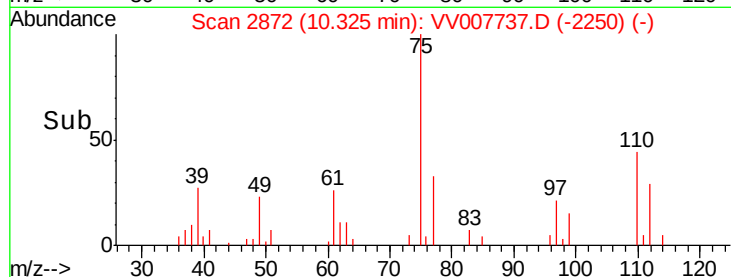
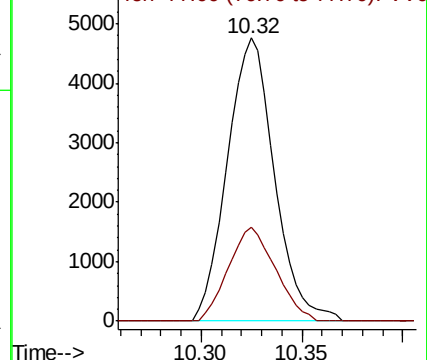
75 100

77 33.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV007733.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV007733.D (-2860) (-)



#61

Bromoform

Concen: 4.161 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

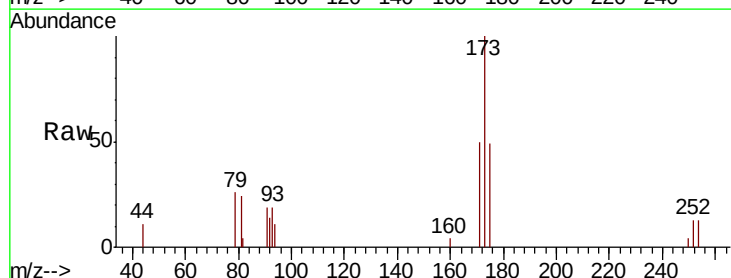
Tgt Ion: 173 Resp: 4410

Ion Ratio Lower Upper

173 100

175 52.3 38.7 58.1

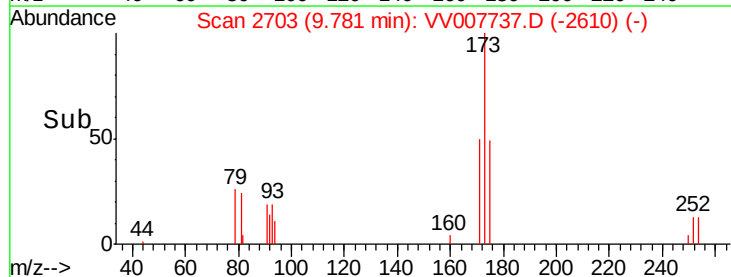
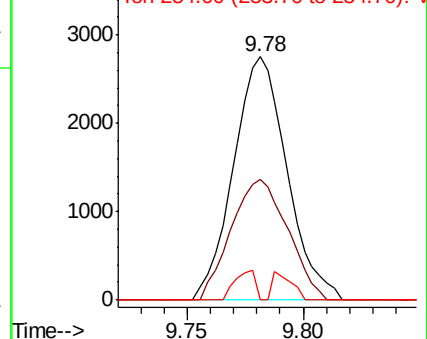
254 4.5 9.7 14.5#

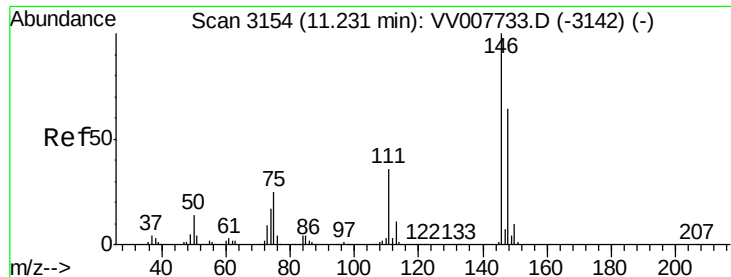


Abundance Ion 173.00 (172.70 to 173.70): VV007733.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV007733.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV007733.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 5.435 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

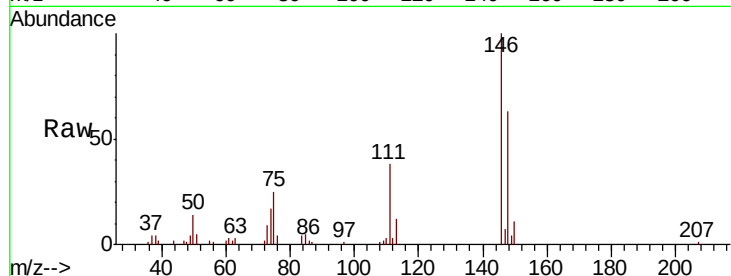
Tgt Ion:146 Resp: 17356

Ion Ratio Lower Upper

146 100

111 38.1 25.1 46.7

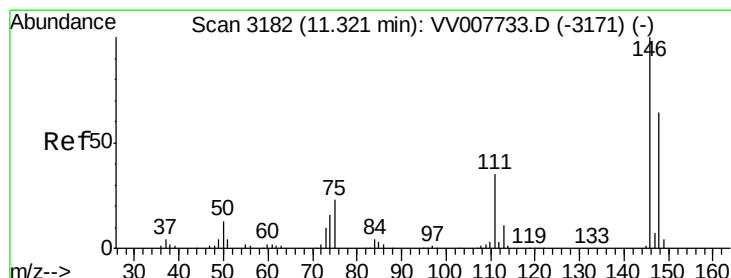
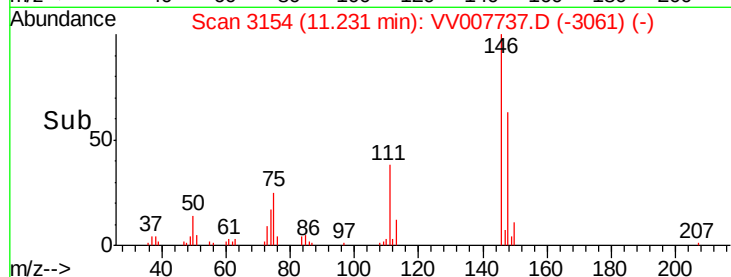
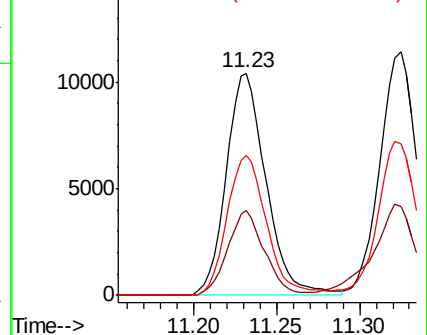
148 62.6 45.1 83.9



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: 5.710 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

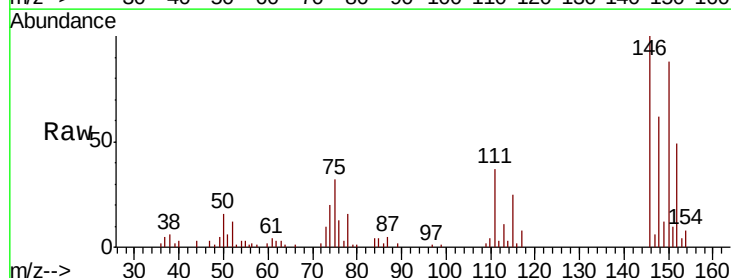
Tgt Ion:146 Resp: 18601

Ion Ratio Lower Upper

146 100

111 36.5 24.4 45.4

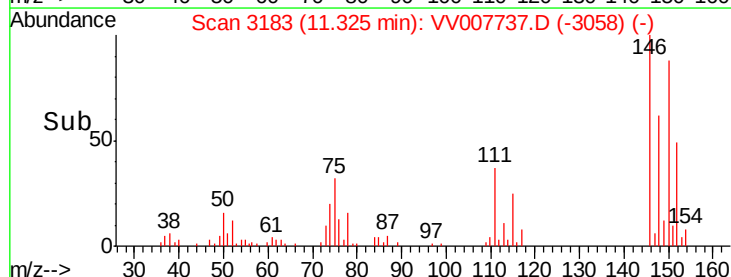
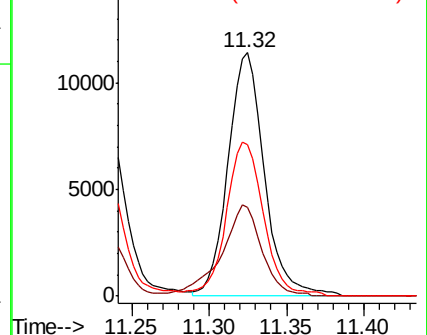
148 62.5 45.1 83.7

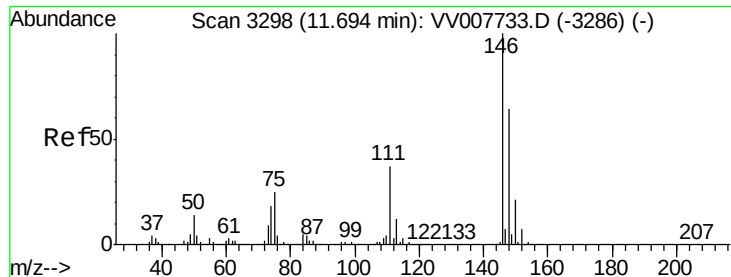


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.125 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampled :

VSTD00563

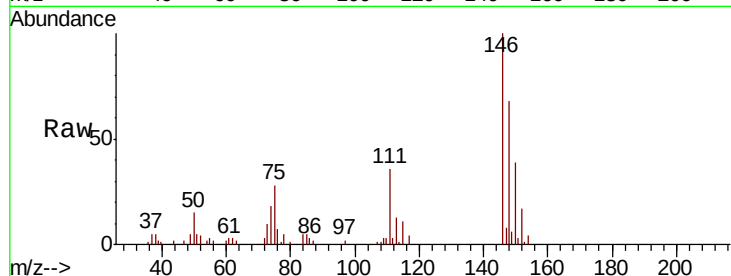
Tgt Ion:146 Resp: 17037

Ion Ratio Lower Upper

146 100

111 36.3 29.8 44.8

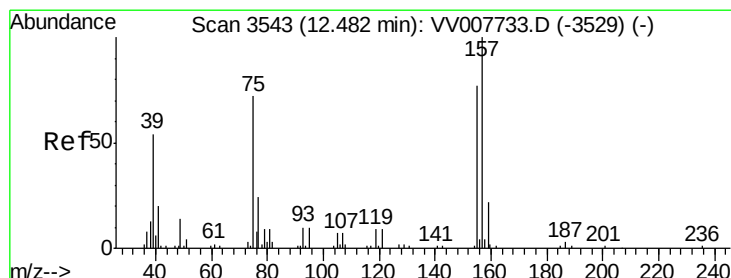
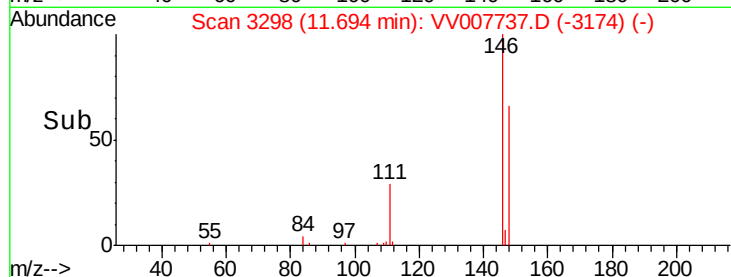
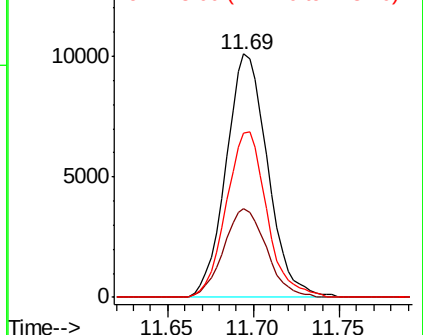
148 67.6 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.812 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

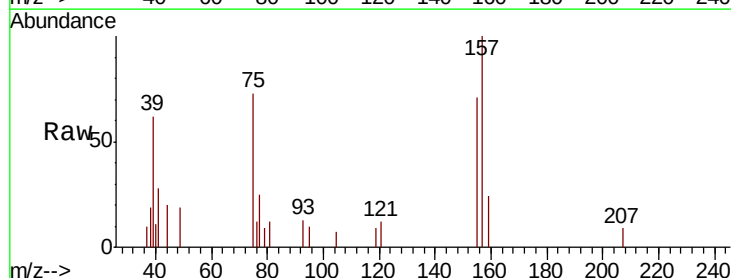
Tgt Ion: 75 Resp: 1888

Ion Ratio Lower Upper

75 100

155 97.1 86.0 129.0

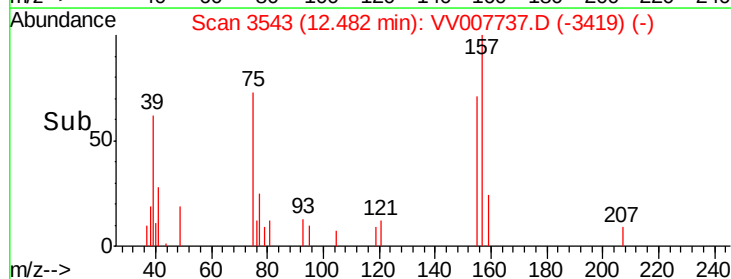
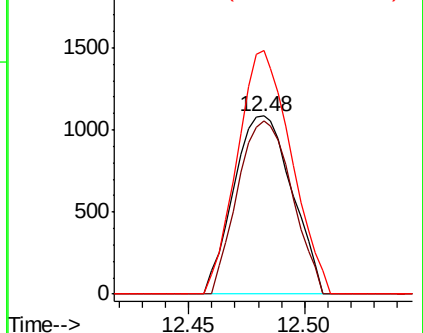
157 136.7 111.5 167.3

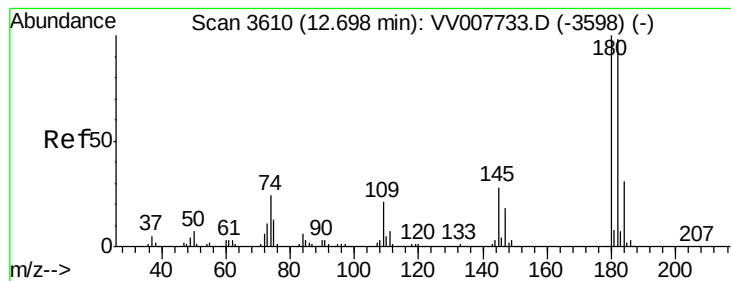


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 5.855 ug/L

RT: 12.70 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tgt Ion:180 Resp: 14844

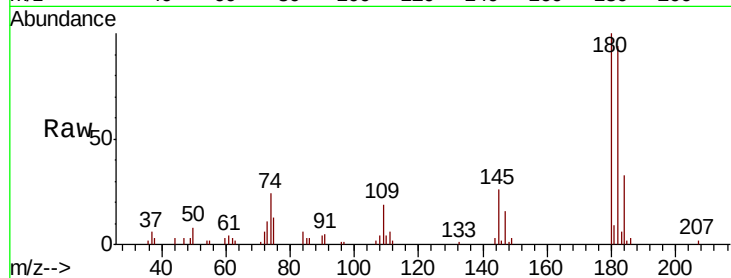
Ion Ratio Lower Upper

180 100

182 92.5 77.6 116.4

184 30.2 24.7 37.1

145 26.9 21.8 32.8



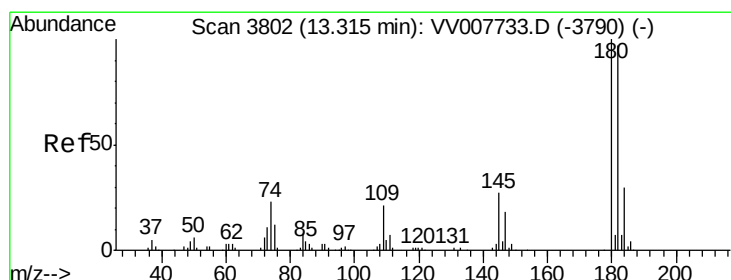
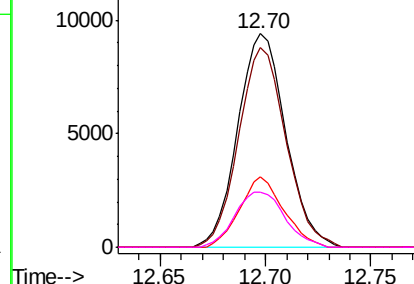
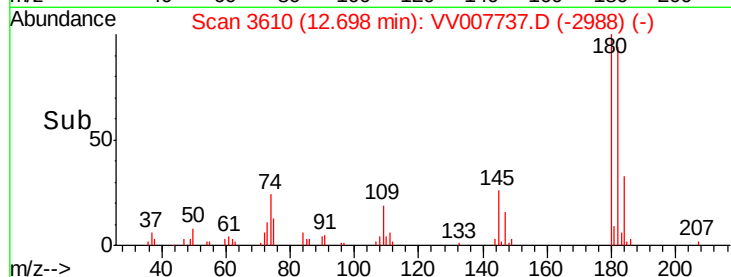
Abundance

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: 6.234 ug/L

RT: 13.31 min Scan# 3802

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

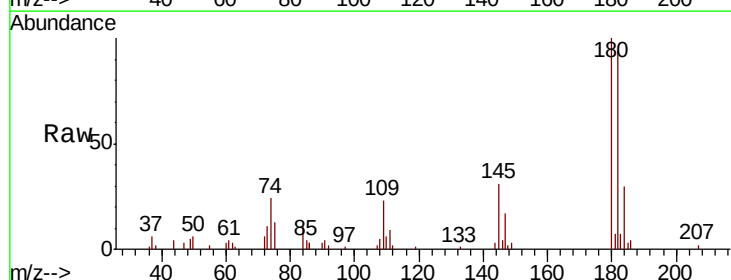
Tgt Ion:180 Resp: 13105

Ion Ratio Lower Upper

180 100

182 97.7 77.0 115.6

145 28.9 22.2 33.2

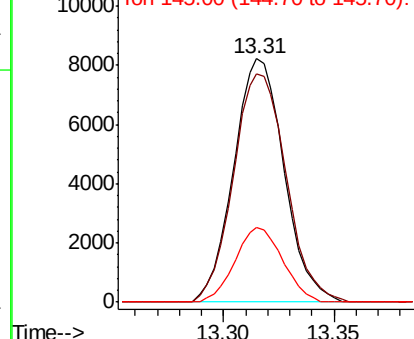
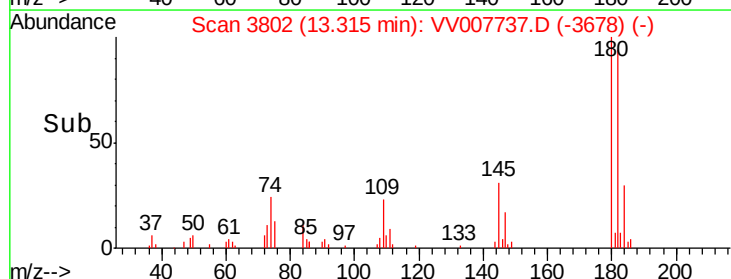


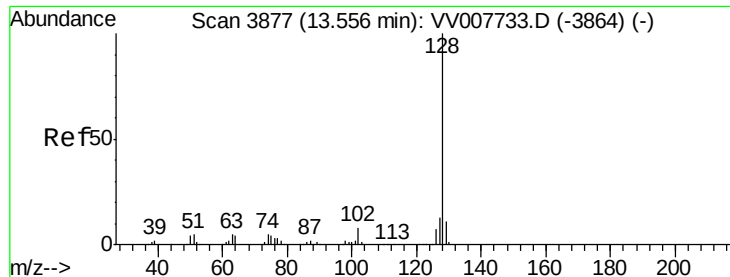
Abundance

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: 5.162 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

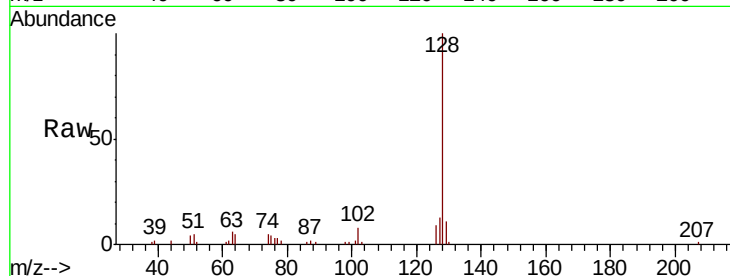
Tgt Ion:128 Resp: 27996

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

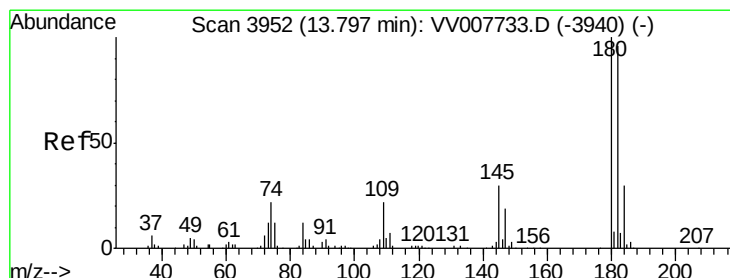
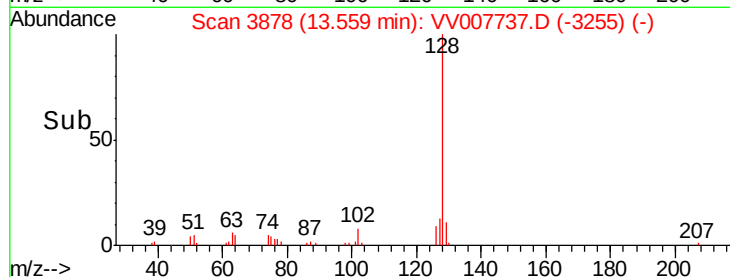
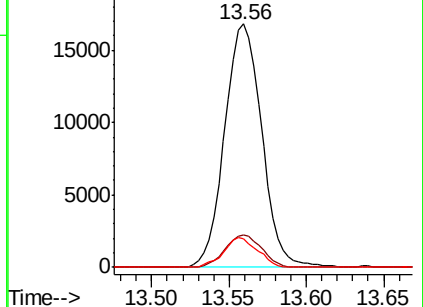
129 11.1 8.6 13.0



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: 5.875 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007737.D

Acq: 22 Sep 2018 16:03

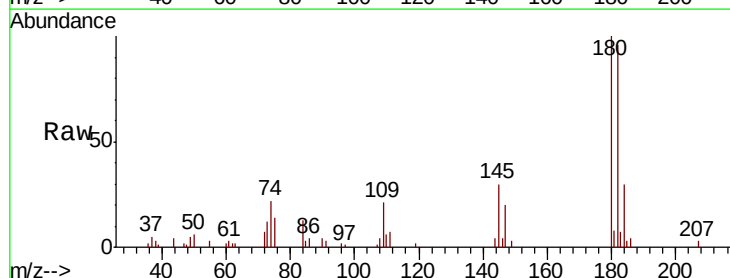
Tgt Ion:180 Resp: 12739

Ion Ratio Lower Upper

180 100

182 95.6 77.4 116.2

145 28.8 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

