

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007733.D
 Acq On : 22 Sep 2018 14:24
 Operator : SY/MD
 Sample : VSTD05065
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Quant Time: Sep 24 02:13:23 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	200661	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	190265	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	111162	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52483	52.54	ug/L	0.00
7) Chloroethane-d5	1.59	69	47871	51.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	126359	50.90	ug/L	0.00
21) 2-Butanone-d5	3.95	46	71097	99.23	ug/L	0.00
24) Chloroform-d	4.41	84	115318	55.72	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	73007	51.29	ug/L	0.00
32) Benzene-d6	5.11	84	220914	53.13	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	63415	51.85	ug/L	0.00
41) Toluene-d8	7.36	98	228043	52.88	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	33274	54.88	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	56120	98.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	102456	50.28	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	110218	50.49	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	67707	47.082	ug/L 100
3) Chloromethane	1.26	50	54300	48.216	ug/L 100
5) Vinyl chloride	1.33	62	62684	48.679	ug/L 100
6) Bromomethane	1.53	94	48475	63.855	ug/L 100
8) Chloroethane	1.60	64	42226	45.895	ug/L 100
9) Trichlorofluoromethane	1.78	101	131484	48.117	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	76021	49.004	ug/L 100
12) 1,1-Dichloroethene	2.15	96	66065	48.318	ug/L 100
13) Acetone	2.19	43	75442	107.782	ug/L 100
14) Carbon disulfide	2.33	76	166921	49.846	ug/L 100
15) Methyl Acetate	2.46	43	65640	48.382	ug/L 100
16) Methylene chloride	2.54	84	72358	47.972	ug/L 100
17) trans-1,2-Dichloroethene	2.80	96	72933	48.899	ug/L 100
18) Methyl tert-butyl Ether	2.81	73	220481	48.309	ug/L 100
19) 1,1-Dichloroethane	3.23	63	94445	48.762	ug/L 100
20) cis-1,2-Dichloroethene	3.97	96	66110	48.523	ug/L 100
22) 2-Butanone	4.03	43	80826	99.063	ug/L 100
23) Bromochloromethane	4.31	128	36762	49.308	ug/L 100
25) Chloroform	4.43	83	111416	45.569	ug/L 100
27) 1,2-Dichloroethane	5.19	62	88820	48.328	ug/L 100
29) Cyclohexane	4.73	56	83523	49.218	ug/L 100
30) 1,1,1-Trichloroethane	4.67	97	103806	49.978	ug/L 100
31) Carbon tetrachloride	4.88	117	95762	51.718	ug/L 100
33) Benzene	5.15	78	232402	50.252	ug/L 100
34) Trichloroethene	5.96	95	67549	50.798	ug/L 100
35) Methylcyclohexane	6.18	83	103281	50.291	ug/L 100
37) 1,2-Dichloropropane	6.23	63	56350	48.439	ug/L 100
38) Bromodichloromethane	6.56	83	80287	50.894	ug/L 100
39) cis-1,3-Dichloropropene	7.08	75	96759	53.595	ug/L 100
40) 4-Methyl-2-pentanone	7.28	43	147947	95.173	ug/L 100

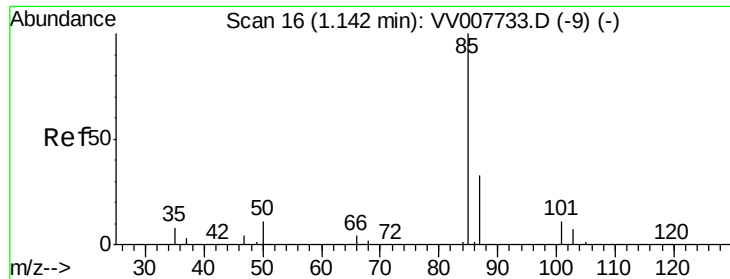
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	271831	50.304	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	90629	53.006	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	65058	50.032	ug/L	100
46) Tetrachloroethene	8.02	164	68011	49.832	ug/L	100
48) 2-Hexanone	8.19	43	118986	97.856	ug/L	100
49) Dibromochloromethane	8.30	129	75796	51.574	ug/L	100
50) 1,2-Dibromoethane	8.40	107	73130	51.229	ug/L	100
51) Chlorobenzene	8.93	112	194640	50.017	ug/L	100
52) Ethylbenzene	9.06	91	310302	50.241	ug/L	100
53) m,p-Xylene	9.19	106	122090	49.754	ug/L	100
54) o-xylene	9.59	106	119714	49.146	ug/L	100
55) Styrene	9.61	104	207235	50.215	ug/L	100
56) Isopropylbenzene	9.98	105	325678	50.203	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	104257	47.617	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	81817	47.638	ug/L	100
61) Bromoform	9.78	173	58492	50.220	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	171142	48.766	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	175608	49.060	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	175491	48.043	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	21351	49.518	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	141818	50.905	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	126235	54.646	ug/L	100
69) Naphthalene	13.56	128	334156	56.067	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	127846	53.652	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 47.082 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

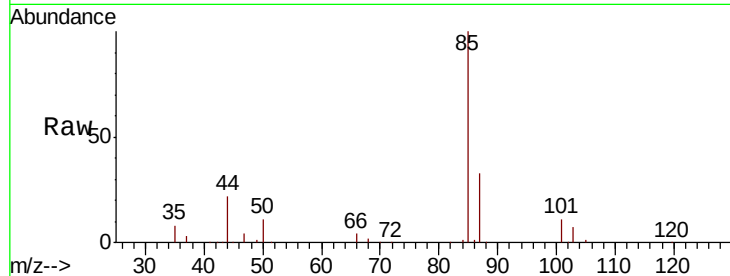
VSTD05065

Tgt Ion: 85 Resp: 67707

Ion Ratio Lower Upper

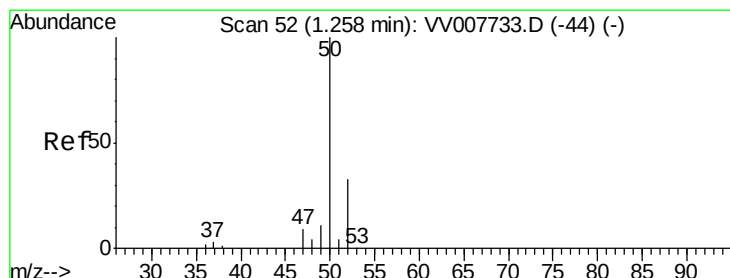
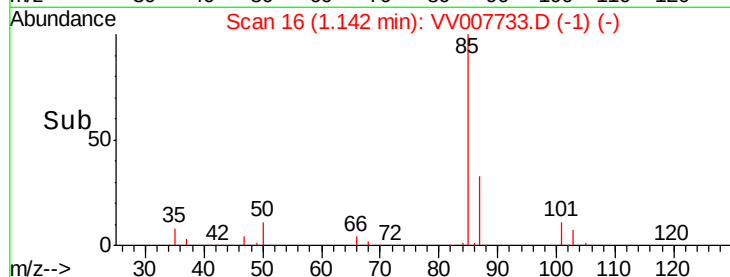
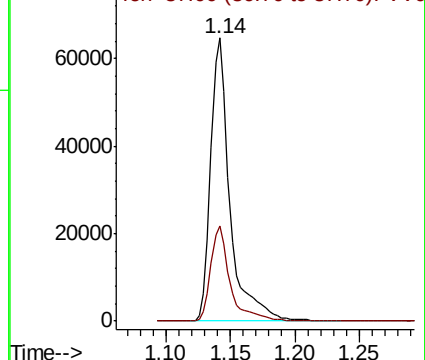
85 100

87 33.6 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 48.216 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV007733.D

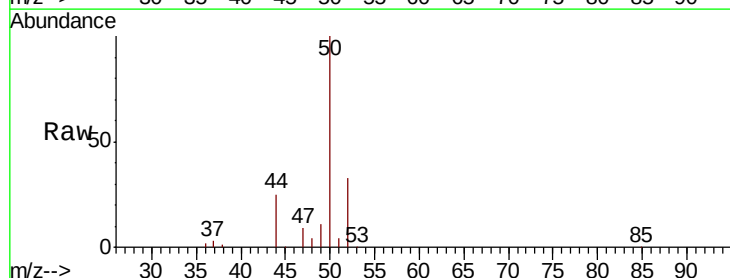
Acq: 22 Sep 2018 14:24

Tgt Ion: 50 Resp: 54300

Ion Ratio Lower Upper

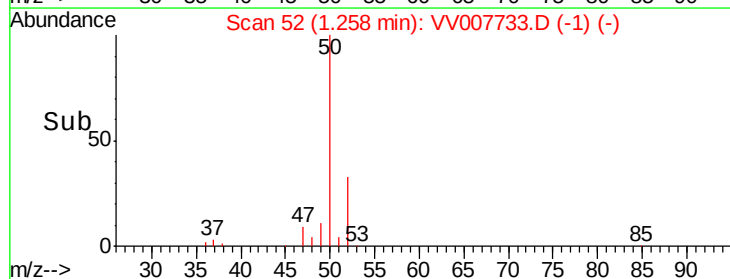
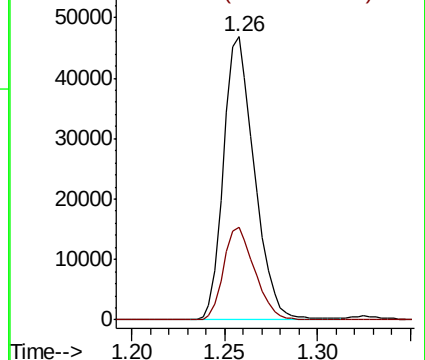
50 100

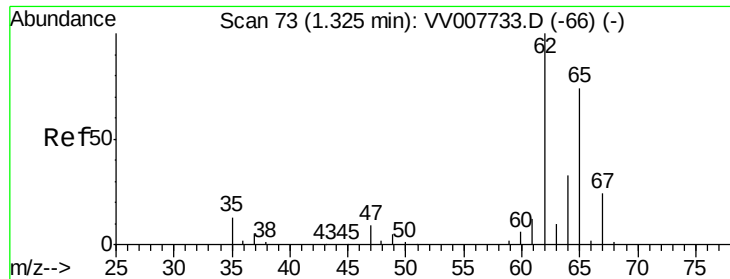
52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 48.679 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

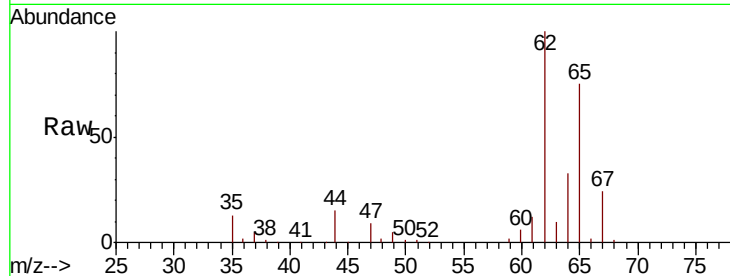
VSTD05065

Tgt Ion: 62 Resp: 62684

Ion Ratio Lower Upper

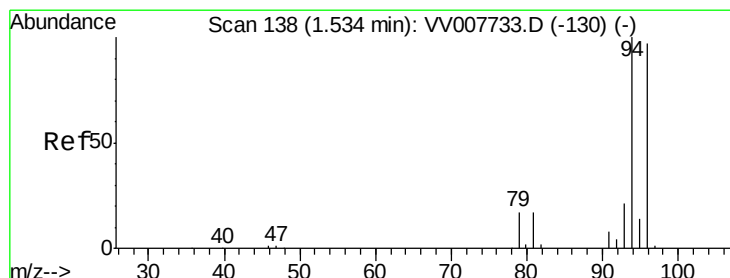
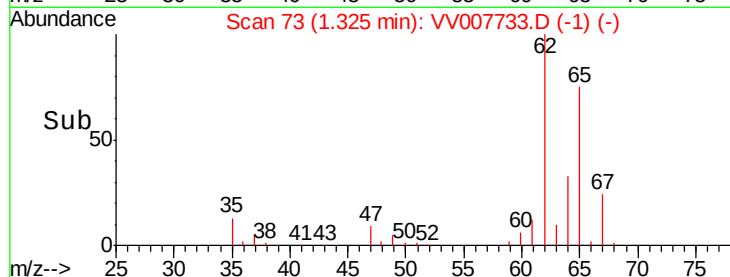
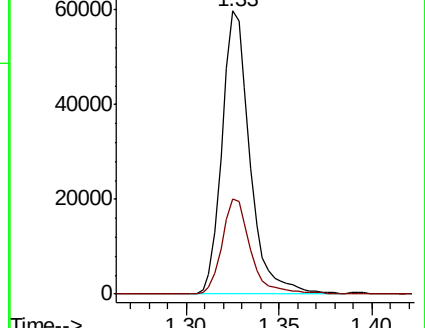
62 100

64 33.5 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV007733.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV007733.D (-66) (-)



#6

Bromomethane

Concen: 63.855 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV007733.D

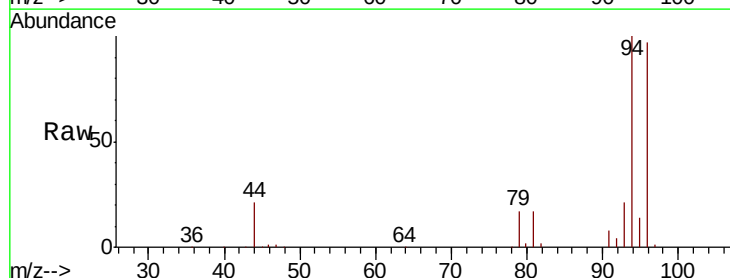
Acq: 22 Sep 2018 14:24

Tgt Ion: 94 Resp: 48475

Ion Ratio Lower Upper

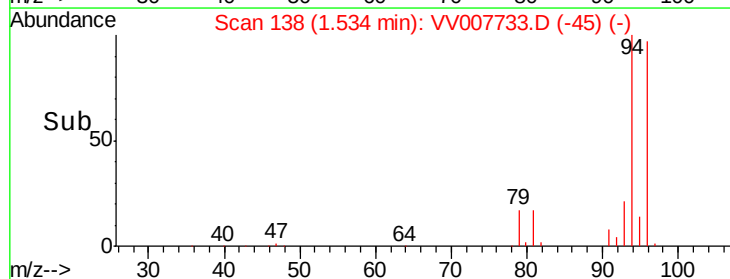
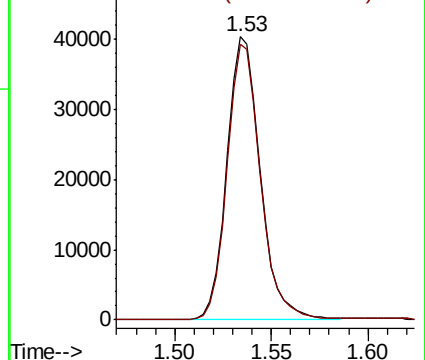
94 100

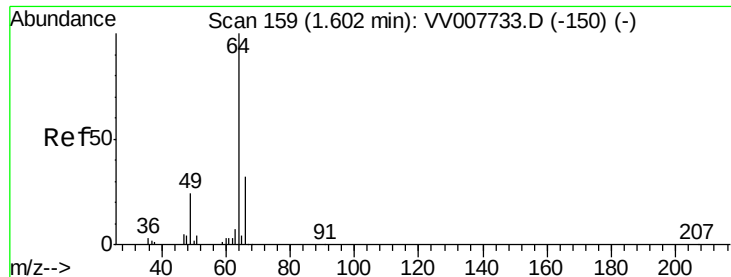
96 97.4 68.2 126.6



Abundance Ion 94.00 (93.70 to 94.70): VV007733.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007733.D (-130) (-)





#8

Chloroethane

Concen: 45.895 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

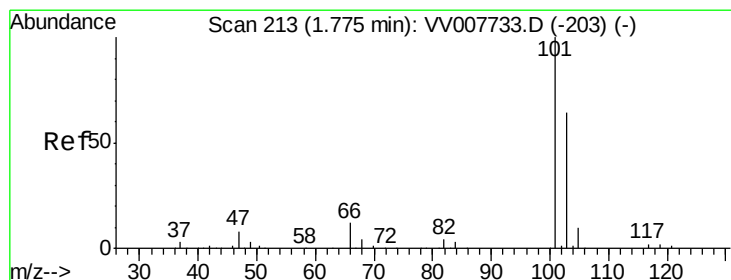
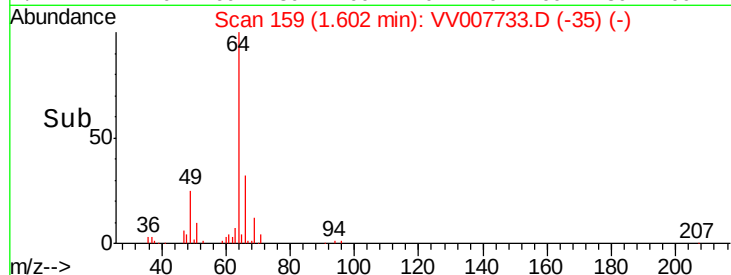
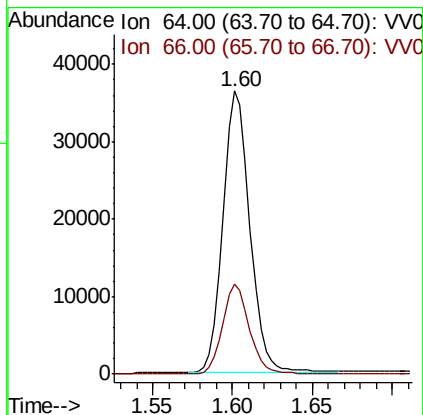
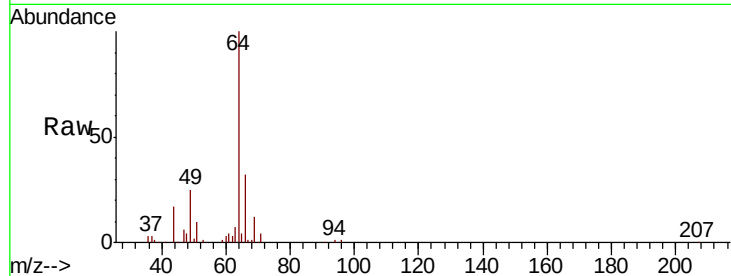
VSTD05065

Tgt Ion: 64 Resp: 42226

Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.5



#9

Trichlorofluoromethane

Concen: 48.117 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV007733.D

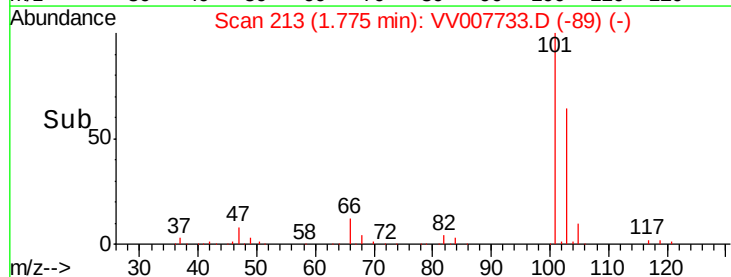
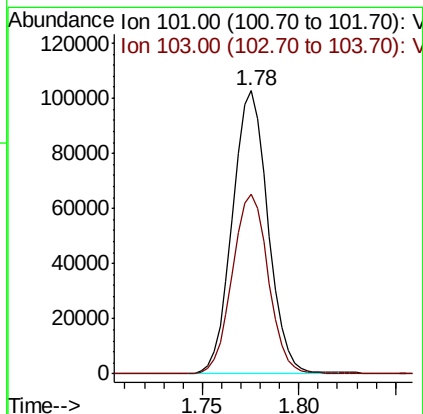
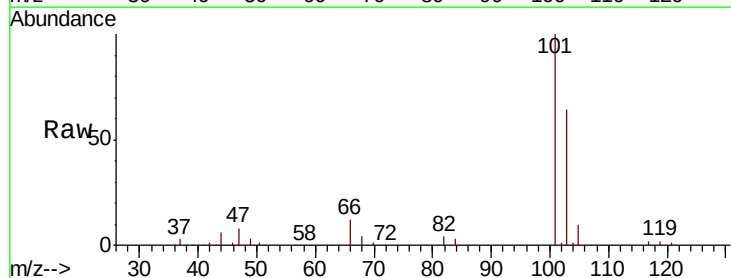
Acq: 22 Sep 2018 14:24

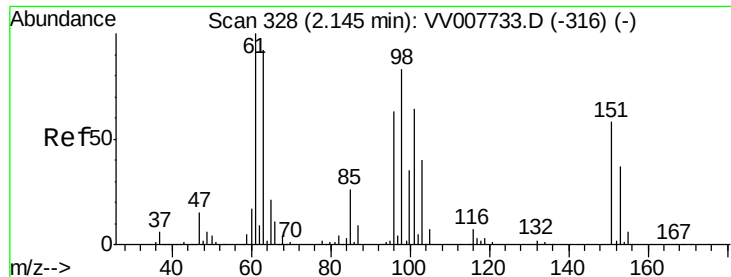
Tgt Ion: 101 Resp: 131484

Ion Ratio Lower Upper

101 100

103 64.3 51.4 77.2





#10

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

Concen: 49.004 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

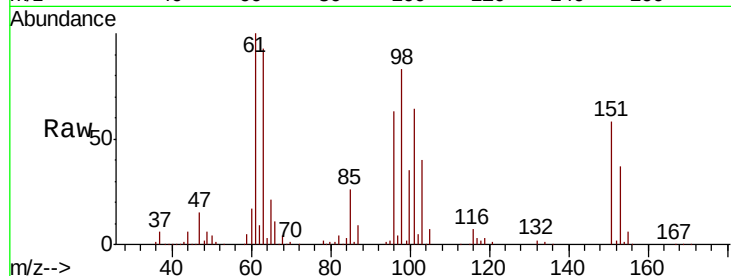
Tgt Ion: 101 Resp: 76021

Ion Ratio Lower Upper

101 100

85 40.9 32.7 49.1

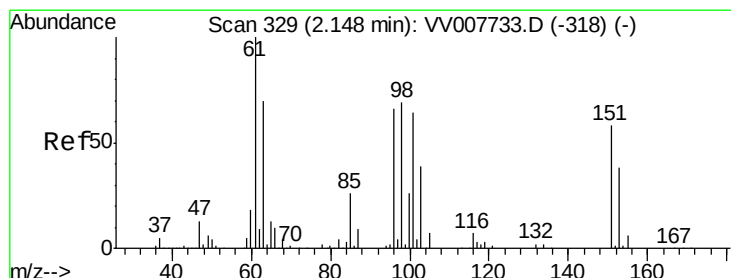
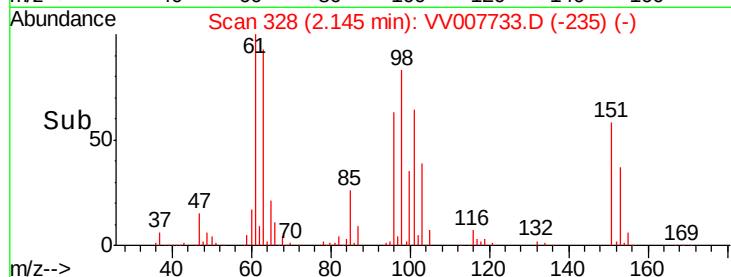
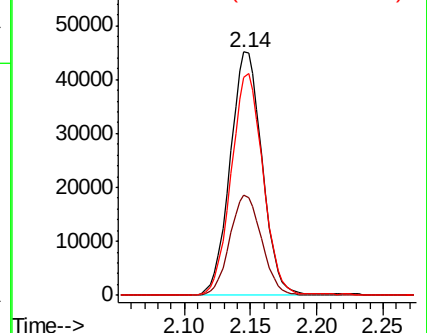
151 90.2 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): VV007733.D (-316) (-)

Ion 85.00 (84.70 to 85.70): VV007733.D (-316) (-)

Ion 151.00 (150.70 to 151.70): VV007733.D (-316) (-)



#12

1,1-Dichloroethene

Concen: 48.318 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

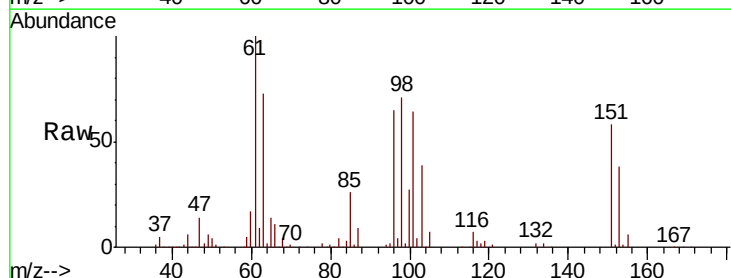
Tgt Ion: 96 Resp: 66065

Ion Ratio Lower Upper

96 100

61 153.3 107.3 199.3

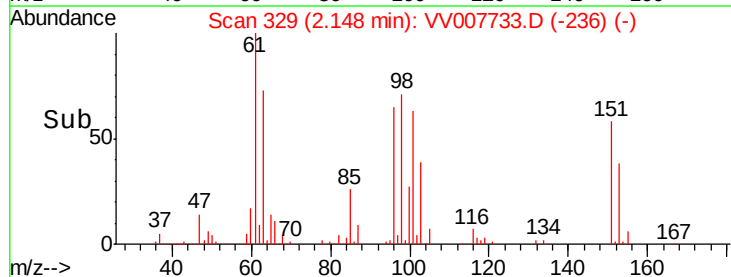
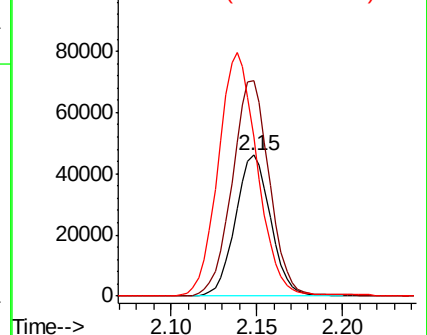
63 112.6 78.8 146.4

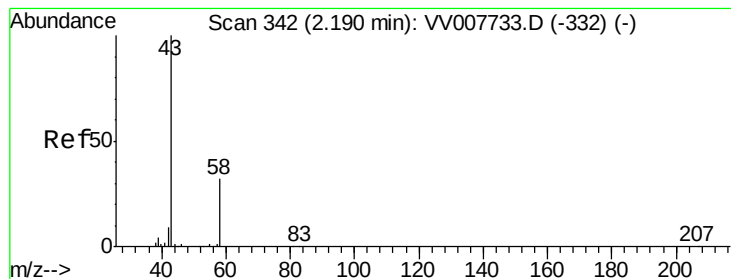


Abundance Ion 96.00 (95.70 to 96.70): VV007733.D (-318) (-)

Ion 61.00 (60.70 to 61.70): VV007733.D (-318) (-)

Ion 63.00 (62.70 to 63.70): VV007733.D (-318) (-)





#13

Acetone

Concen: 107.782 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

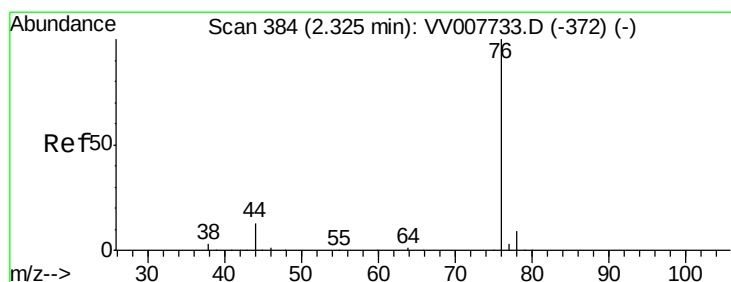
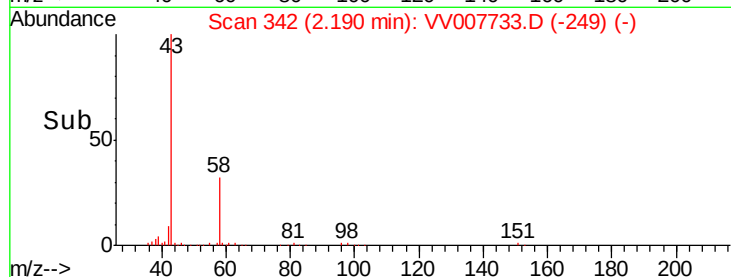
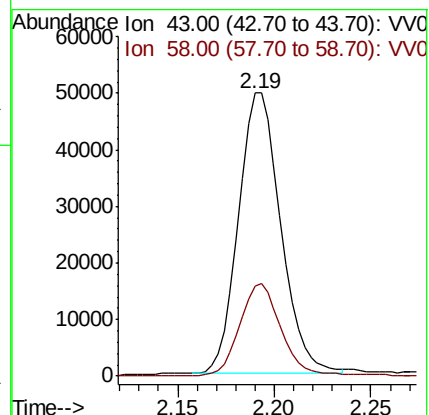
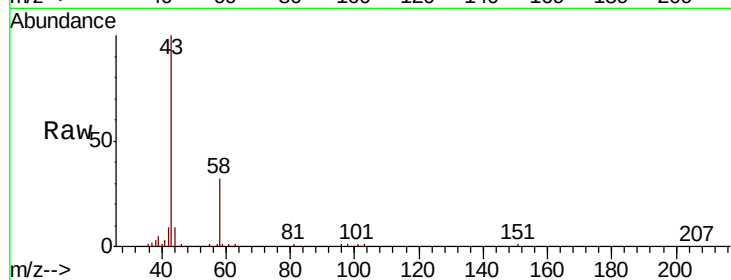
VSTD05065

Tgt Ion: 43 Resp: 75442

Ion Ratio Lower Upper

43 100

58 32.6 0.0 65.2



#14

Carbon disulfide

Concen: 49.846 ug/L

RT: 2.33 min Scan# 384

Delta R.T. 0.00 min

Lab File: VV007733.D

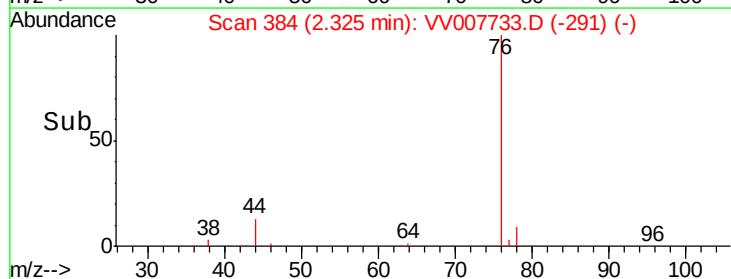
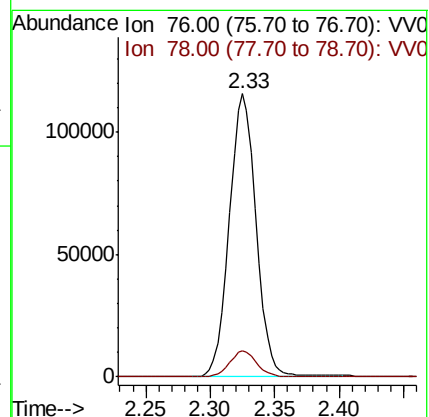
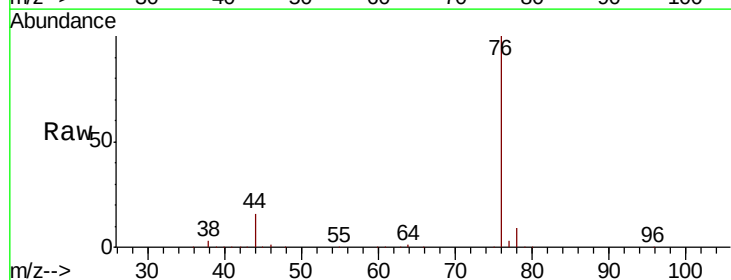
Acq: 22 Sep 2018 14:24

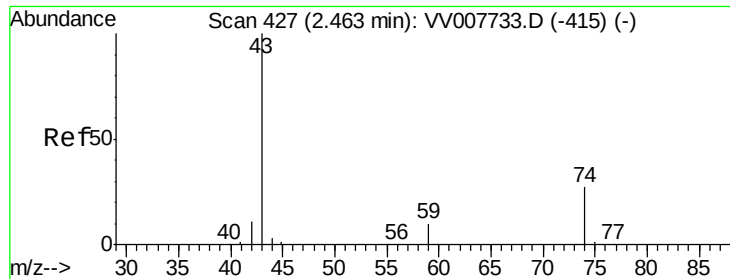
Tgt Ion: 76 Resp: 166921

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

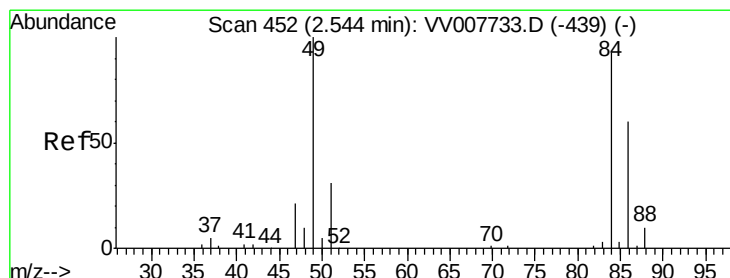
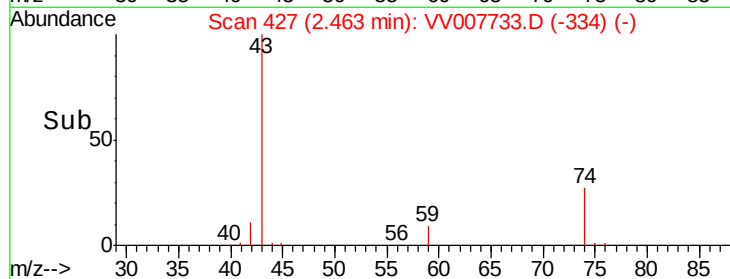
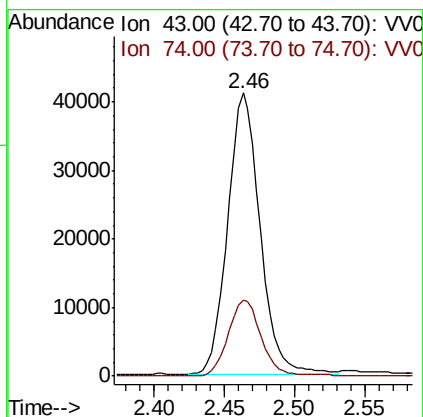
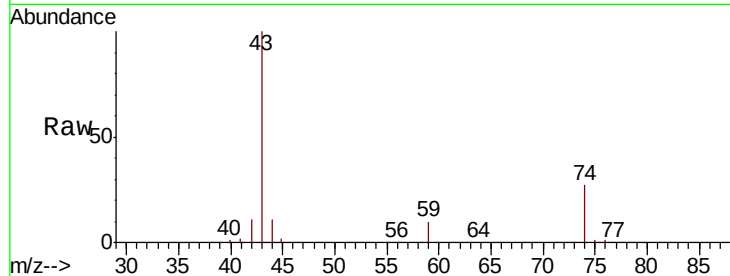




#15
Methyl Acetate
Concen: 48.382 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV007733.D
Acq: 22 Sep 2018 14:24

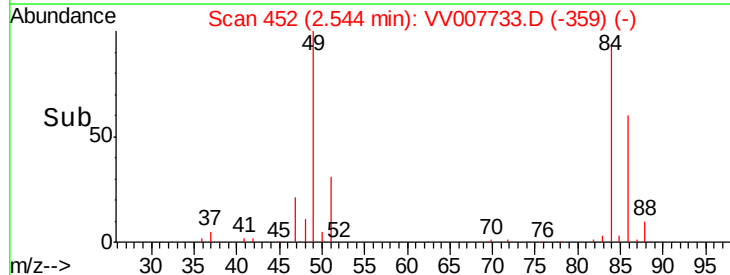
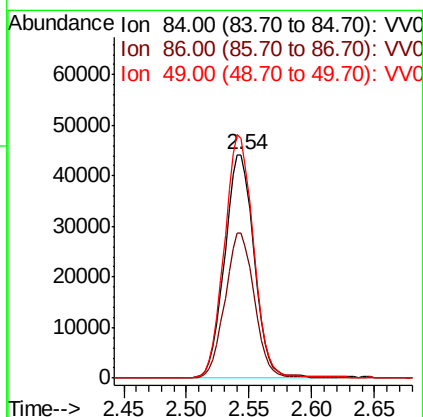
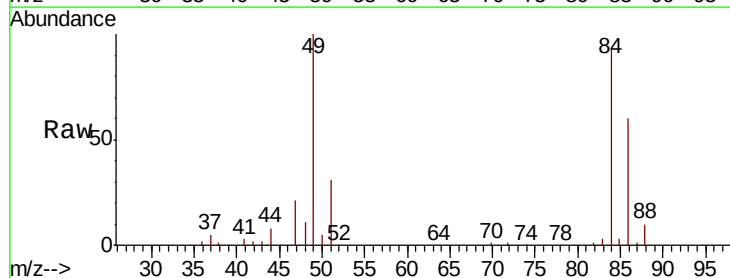
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

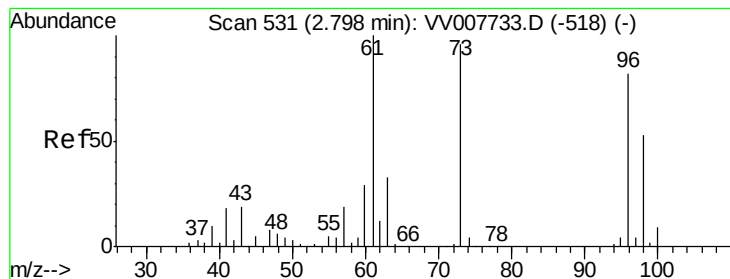
Tgt Ion: 43 Resp: 65640
Ion Ratio Lower Upper
43 100
74 27.7 22.2 33.2



#16
Methylene chloride
Concen: 47.972 ug/L
RT: 2.54 min Scan# 452
Delta R.T. 0.00 min
Lab File: VV007733.D
Acq: 22 Sep 2018 14:24

Tgt Ion: 84 Resp: 72358
Ion Ratio Lower Upper
84 100
86 64.9 45.4 84.4
49 107.6 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 48.899 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

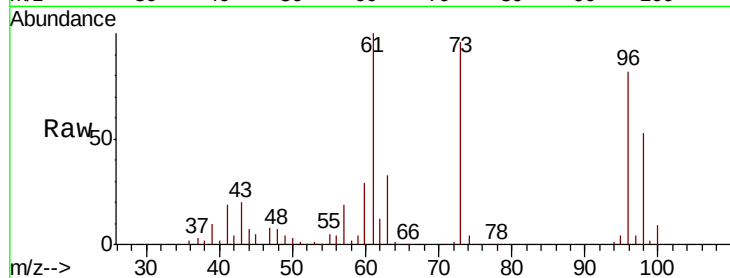
Tgt Ion: 96 Resp: 72933

Ion Ratio Lower Upper

96 100

61 121.3 84.9 157.7

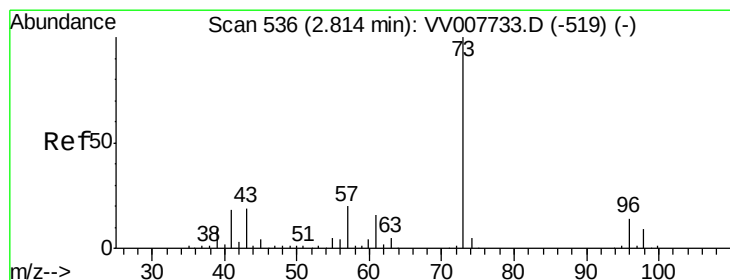
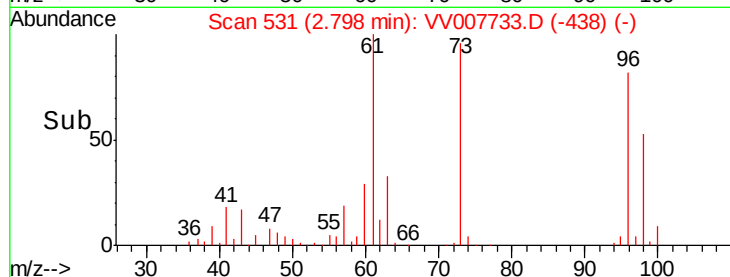
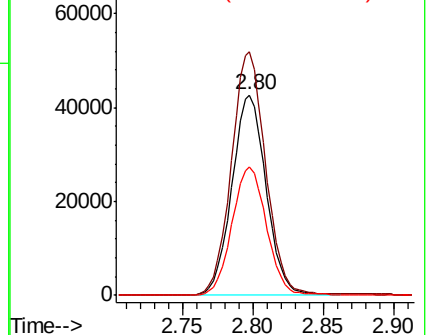
98 63.7 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 48.309 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

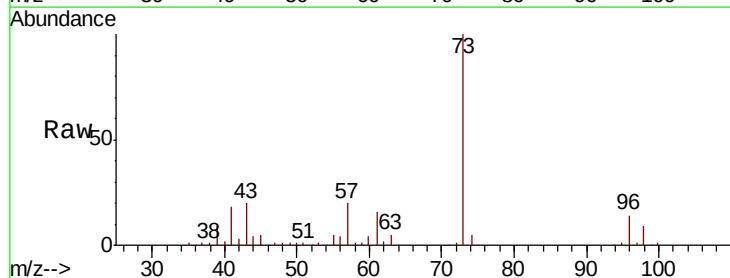
Tgt Ion: 73 Resp: 220481

Ion Ratio Lower Upper

73 100

43 18.8 15.0 22.6

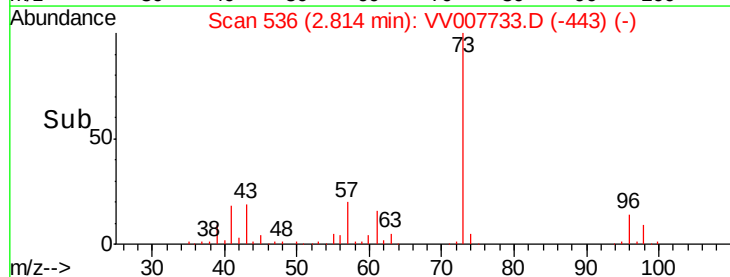
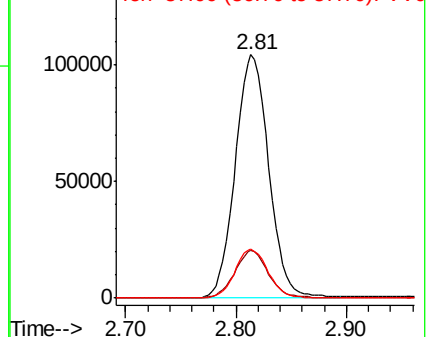
57 19.8 15.8 23.8

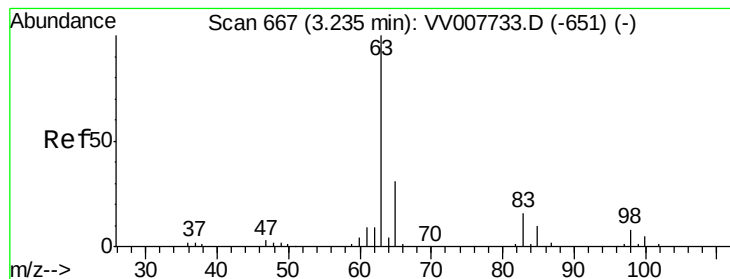


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 48.762 ug/L

RT: 3.23 min Scan# 667

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

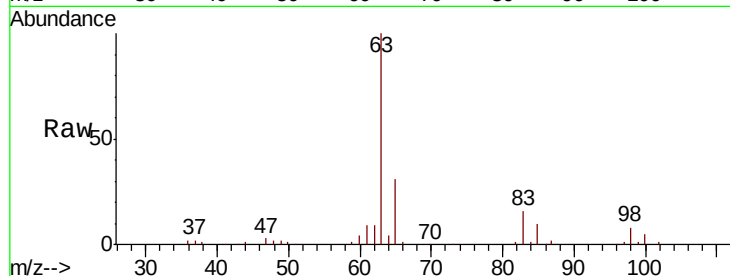
Tgt Ion: 63 Resp: 94445

Ion Ratio Lower Upper

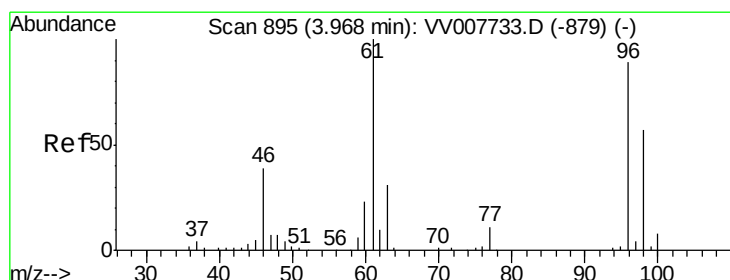
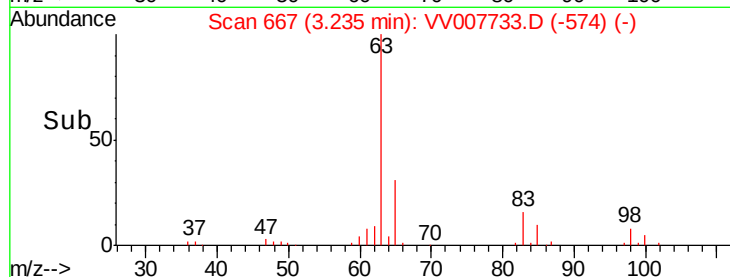
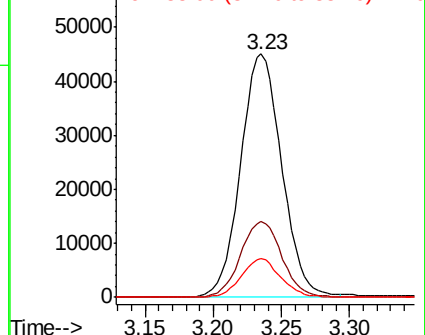
63 100

65 30.9 21.6 40.2

83 16.0 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: 48.523 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

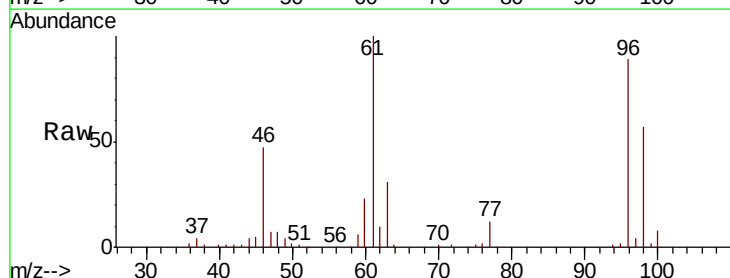
Tgt Ion: 96 Resp: 66110

Ion Ratio Lower Upper

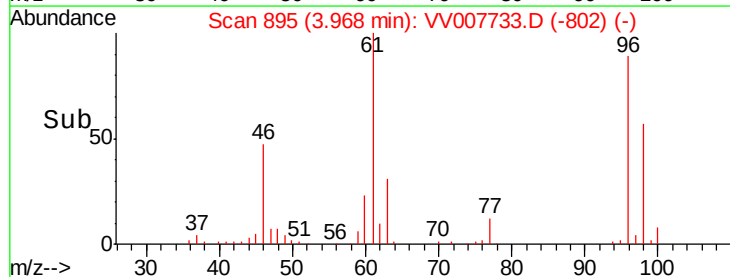
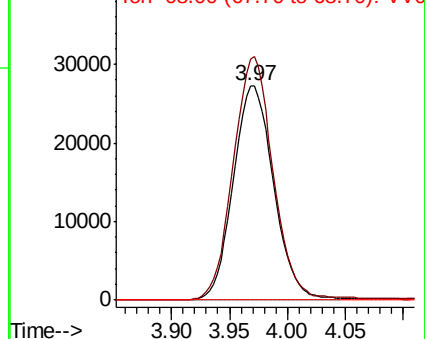
96 100

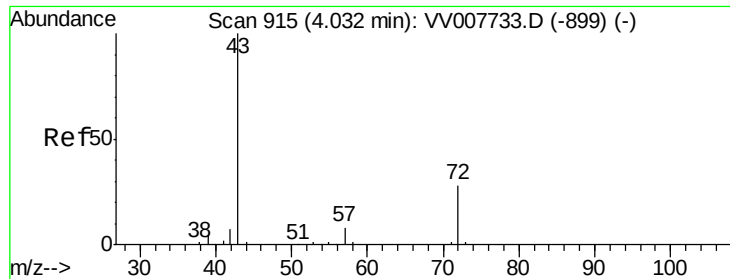
61 112.5 78.8 146.3

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: 99.063 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

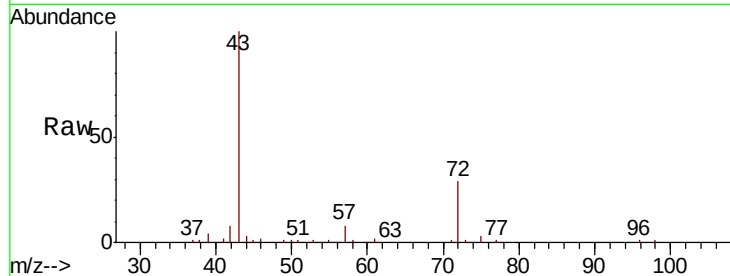
VSTD05065

Tgt Ion: 43 Resp: 80826

Ion Ratio Lower Upper

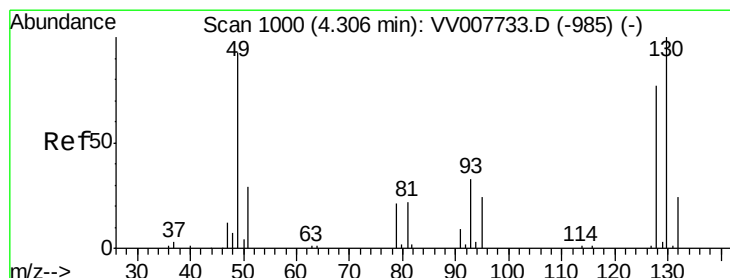
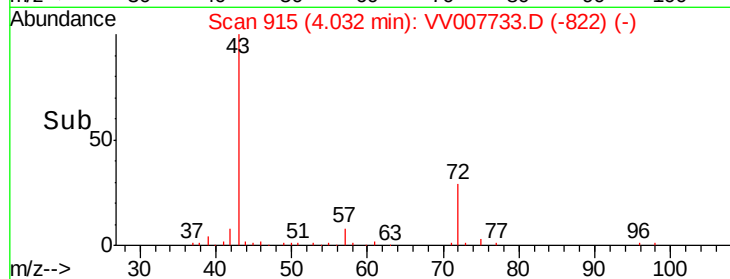
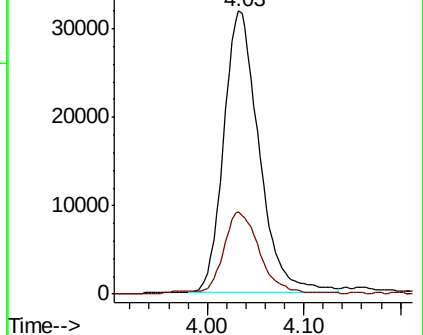
43 100

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: 49.308 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Tgt Ion: 128 Resp: 36762

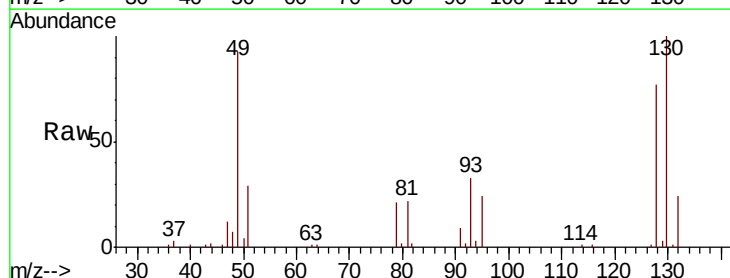
Ion Ratio Lower Upper

128 100

49 121.1 84.8 157.4

130 129.9 90.9 168.9

51 38.3 30.6 46.0

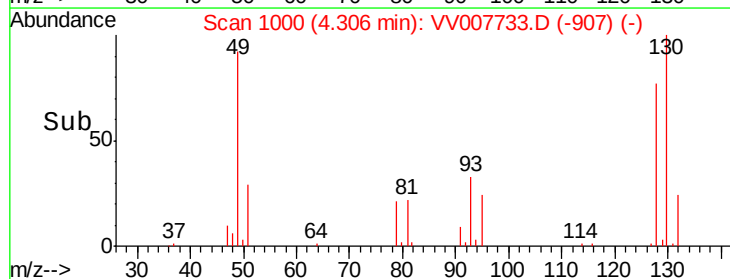
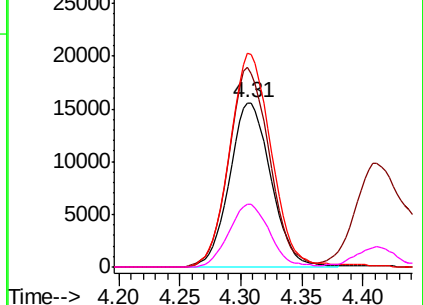


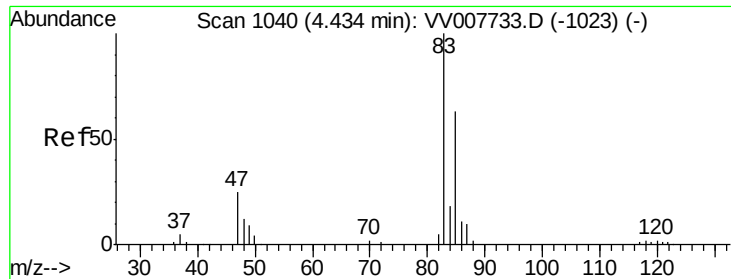
Abundance Ion 128.00 (127.70 to 128.70): VV007733.D (-985) (-)

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) (-)

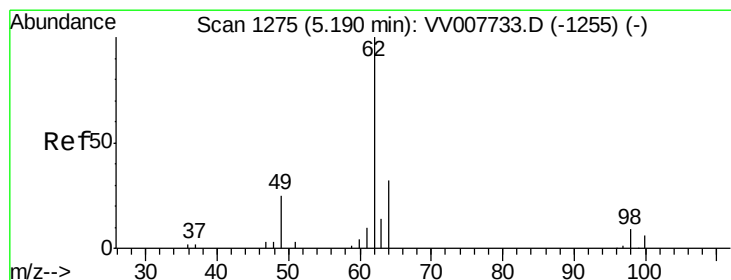
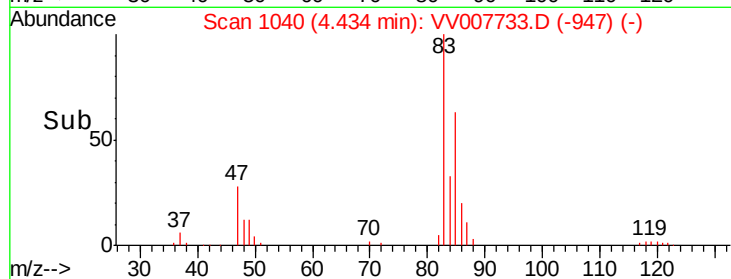
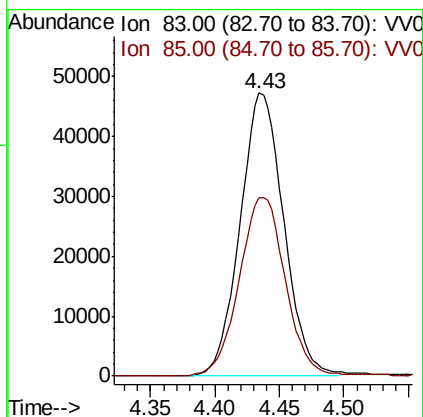
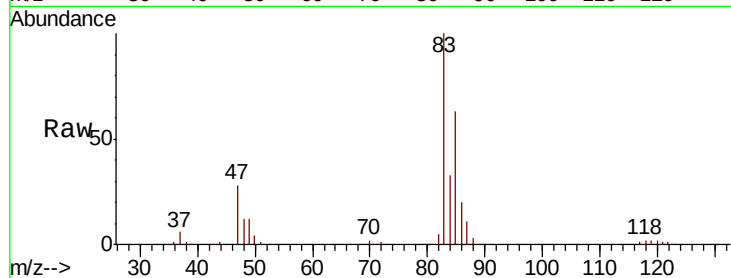




#25
Chloroform
Concen: 45.569 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV007733.D
Acq: 22 Sep 2018 14:24

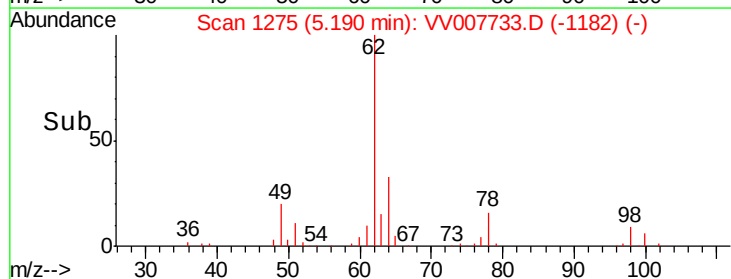
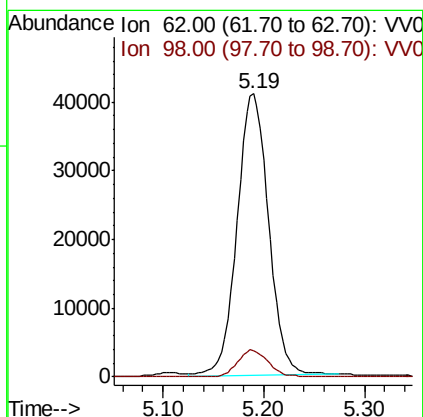
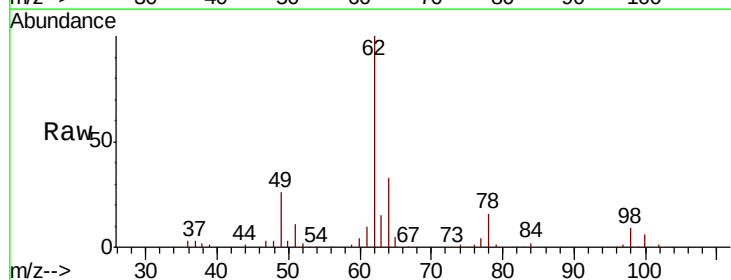
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

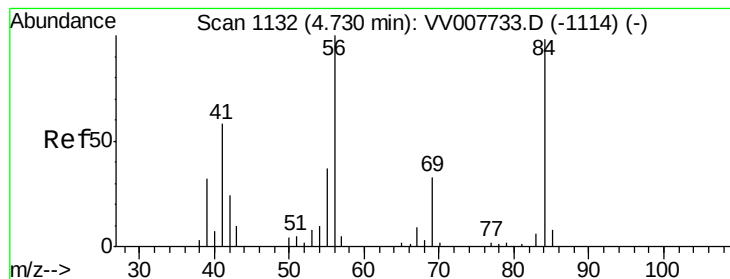
Tgt Ion: 83 Resp: 111416
Ion Ratio Lower Upper
83 100
85 62.9 44.0 81.8



#27
1,2-Dichloroethane
Concen: 48.328 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV007733.D
Acq: 22 Sep 2018 14:24

Tgt Ion: 62 Resp: 88820
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3





#29

Cyclohexane

Concen: 49.218 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

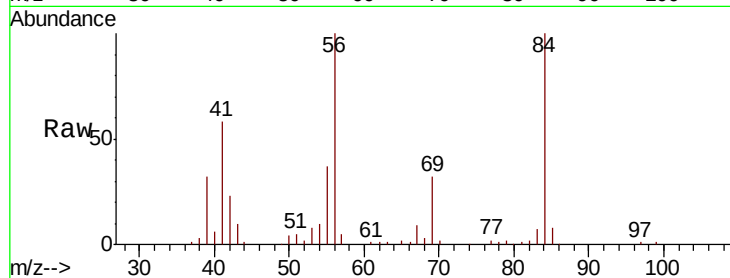
Tgt Ion: 56 Resp: 83523

Ion Ratio Lower Upper

56 100

69 32.6 26.1 39.1

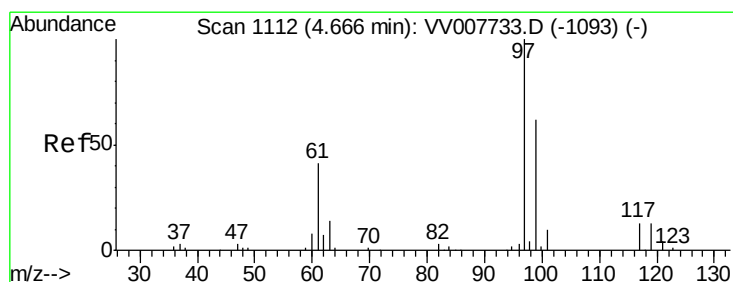
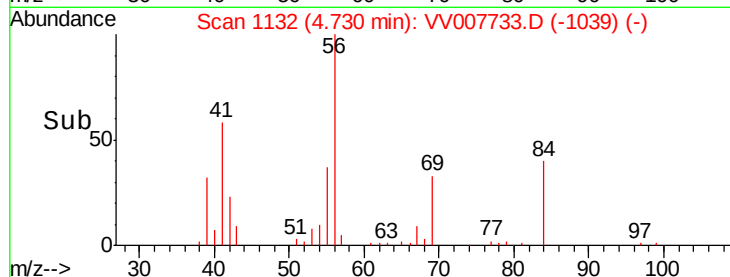
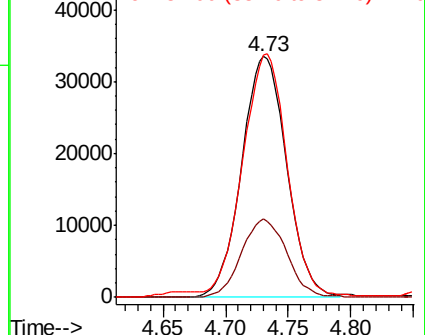
84 99.6 79.7 119.5



Abundance Ion 56.00 (55.70 to 56.70): VV007733.D (-1114) (-)

Ion 69.00 (68.70 to 69.70): VV007733.D (-1114) (-)

Ion 84.00 (83.70 to 84.70): VV007733.D (-1114) (-)



#30

1,1,1-Trichloroethane

Concen: 49.978 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

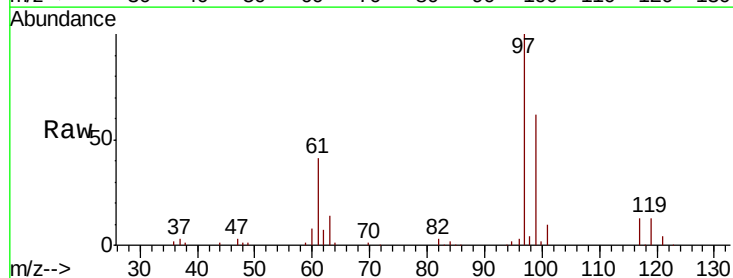
Tgt Ion: 97 Resp: 103806

Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.8

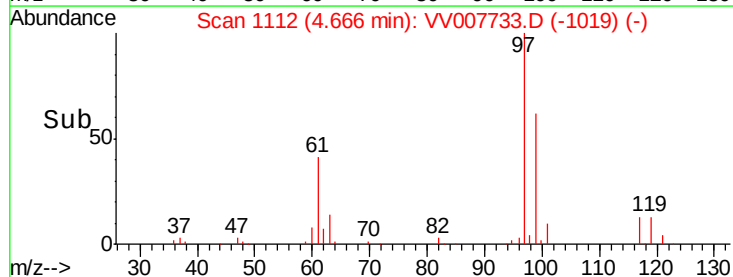
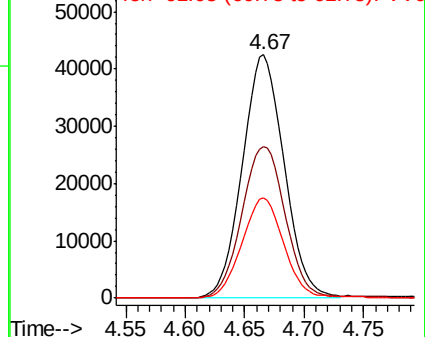
61 41.2 33.0 49.4

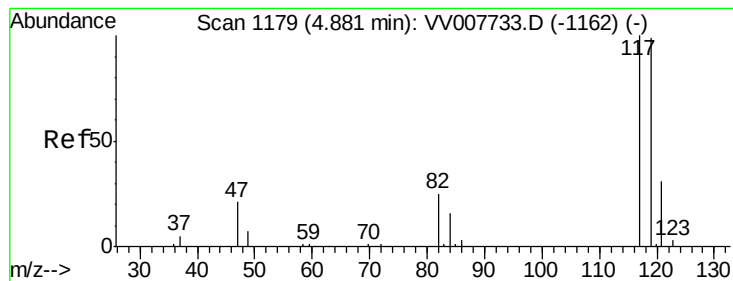


Abundance Ion 97.00 (96.70 to 97.70): VV007733.D (-1093) (-)

Ion 99.00 (98.70 to 99.70): VV007733.D (-1093) (-)

Ion 61.05 (60.75 to 61.75): VV007733.D (-1093) (-)





#31

Carbon tetrachloride

Concen: 51.718 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

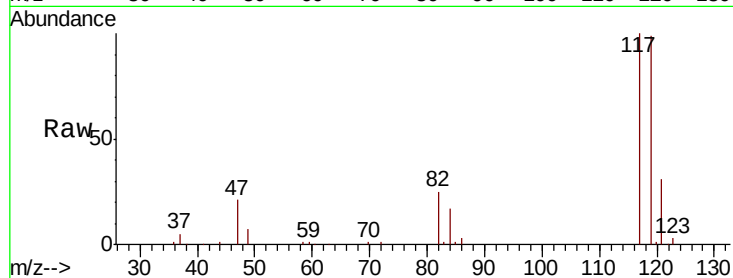
VSTD05065

Tgt Ion:117 Resp: 95762

Ion Ratio Lower Upper

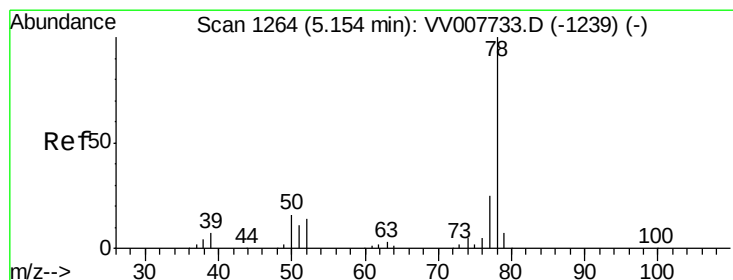
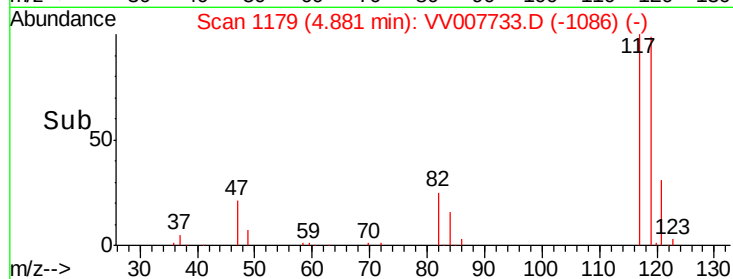
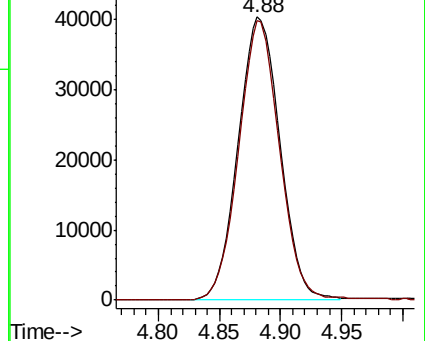
117 100

119 96.2 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: 50.252 ug/L

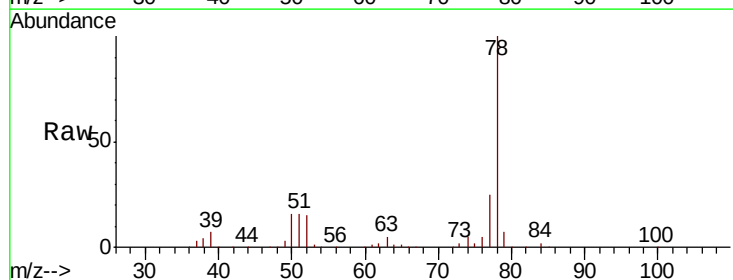
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

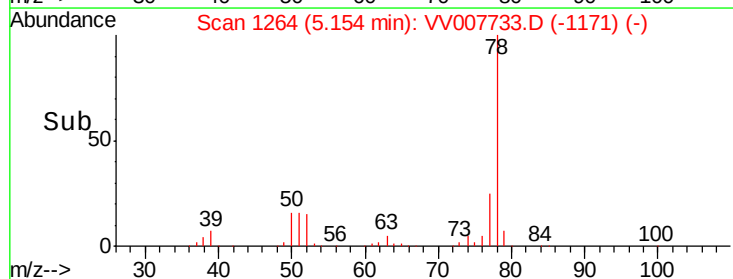
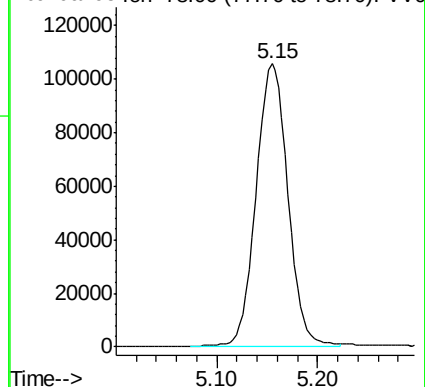
Lab File: VV007733.D

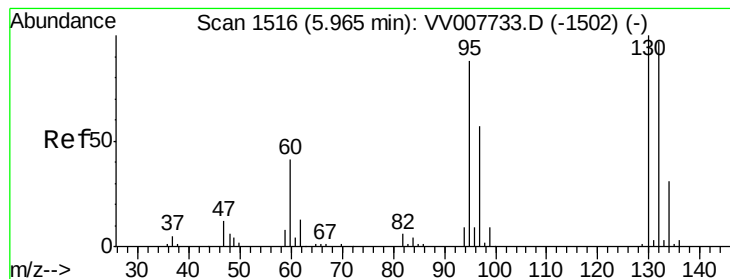
Acq: 22 Sep 2018 14:24

Tgt Ion: 78 Resp: 232402



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.798 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

Tgt Ion: 95 Resp: 67549

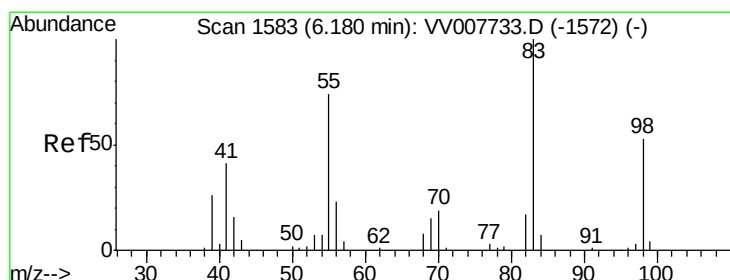
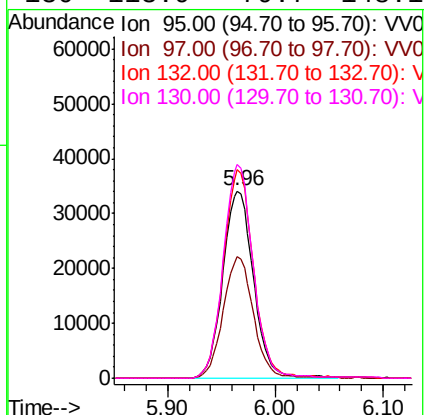
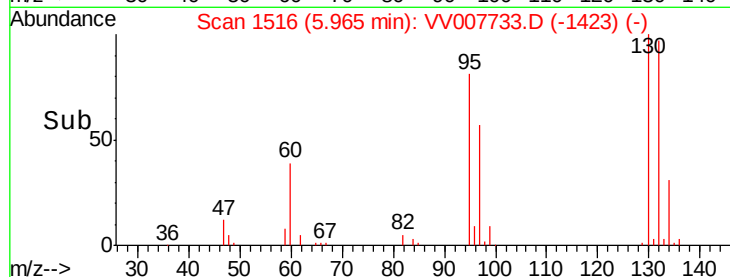
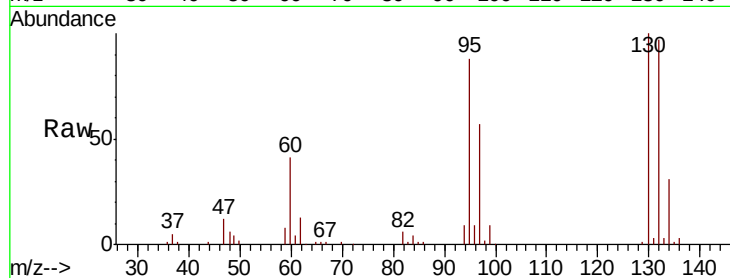
Ion Ratio Lower Upper

95 100

97 64.6 45.2 84.0

132 111.0 77.7 144.3

130 113.9 79.7 148.1



#35

Methylcyclohexane

Concen: 50.291 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

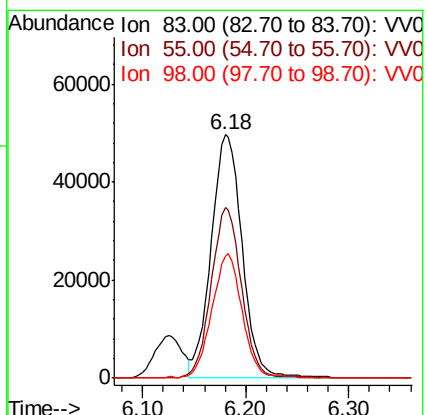
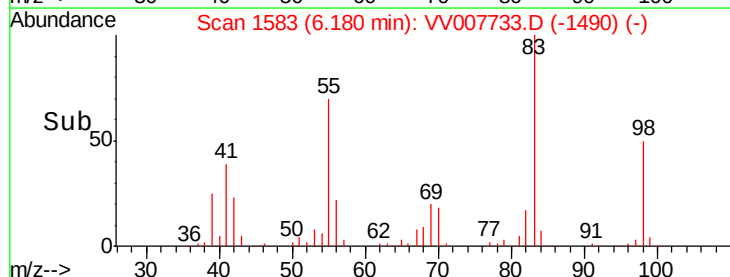
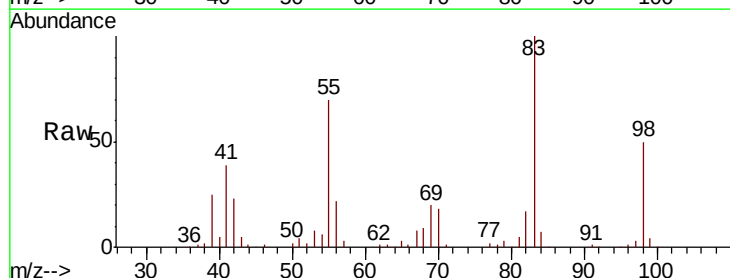
Tgt Ion: 83 Resp: 103281

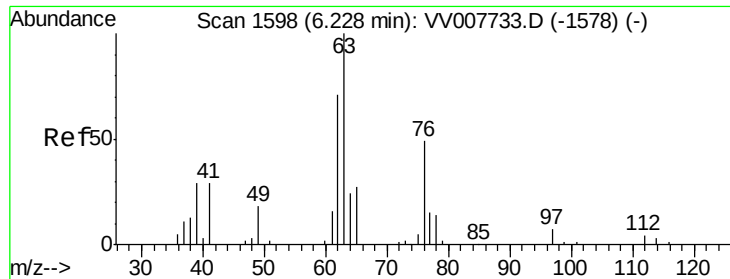
Ion Ratio Lower Upper

83 100

55 68.3 54.6 82.0

98 48.8 39.0 58.6

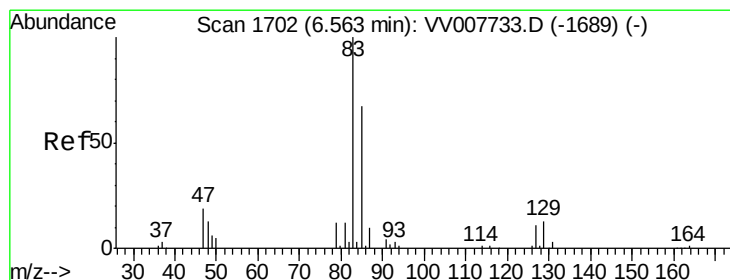
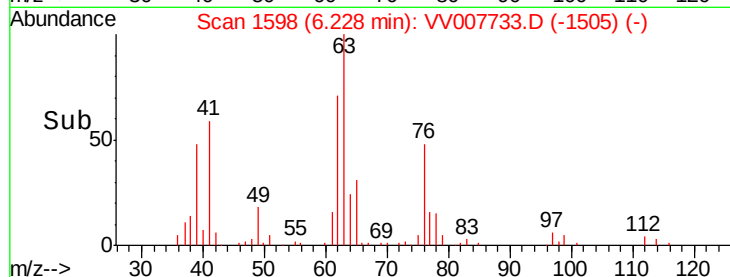
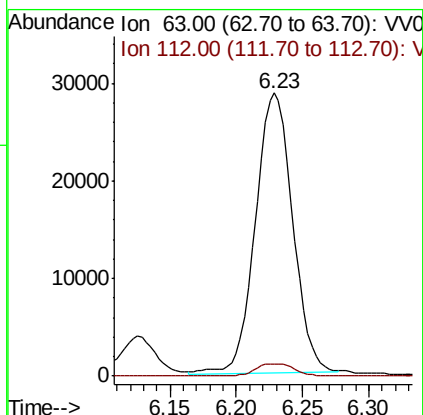
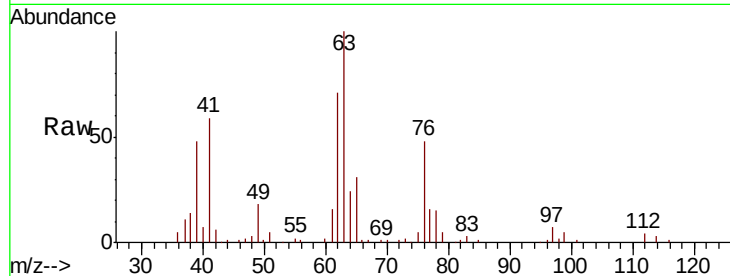




#37
 1,2-Dichloropropane
 Concen: 48.439 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007733.D
 Acq: 22 Sep 2018 14:24

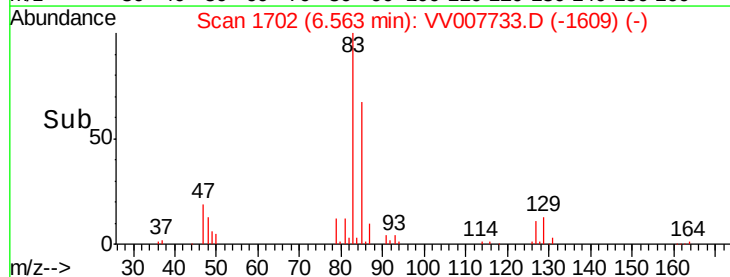
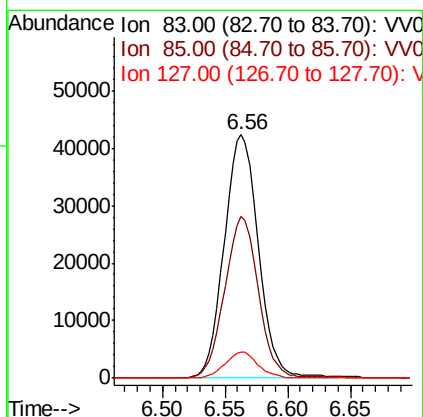
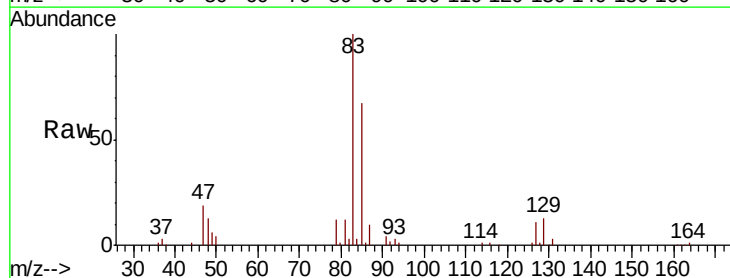
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

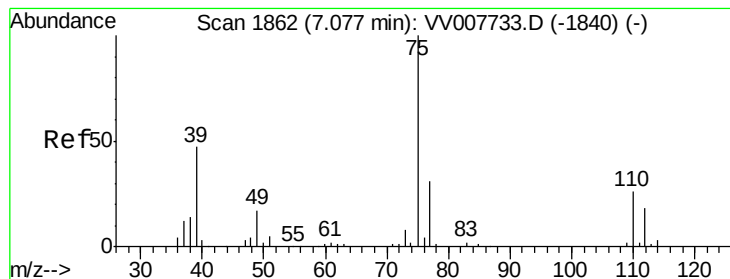
Tgt Ion: 63 Resp: 56350
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 50.894 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007733.D
 Acq: 22 Sep 2018 14:24

Tgt Ion: 83 Resp: 80287
 Ion Ratio Lower Upper
 83 100
 85 66.6 46.6 86.6
 127 10.9 8.7 13.1



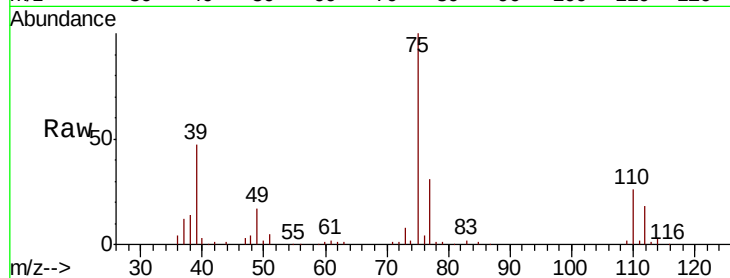


#39

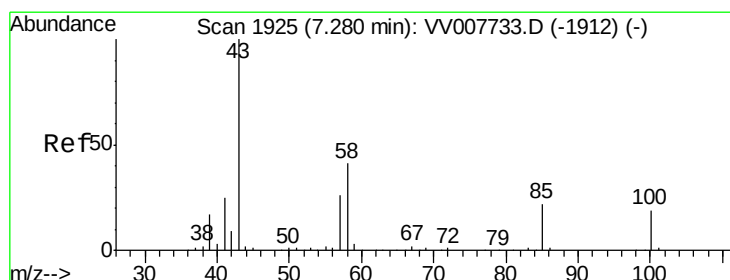
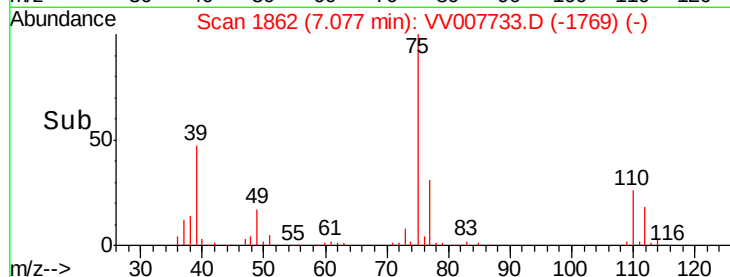
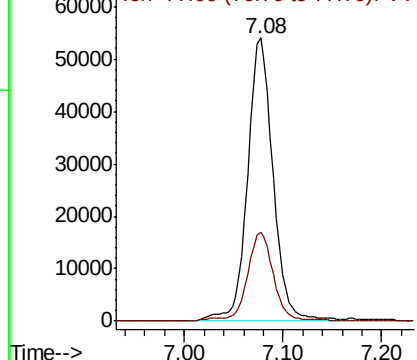
cis-1,3-Dichloropropene
Concen: 53.595 ug/L
RT: 7.08 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VV007733.D
Acq: 22 Sep 2018 14:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion: 75 Resp: 96759
Ion Ratio Lower Upper
75 100
77 31.4 22.0 40.8



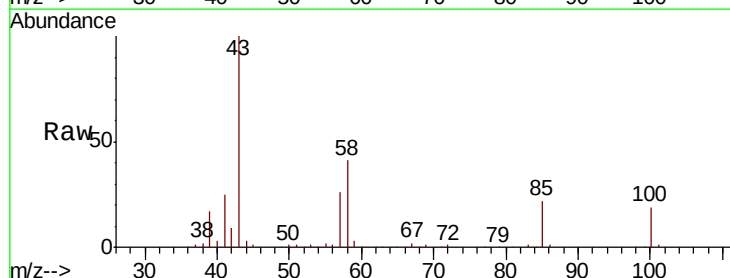
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



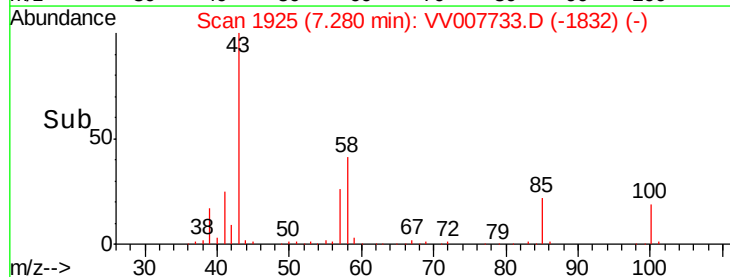
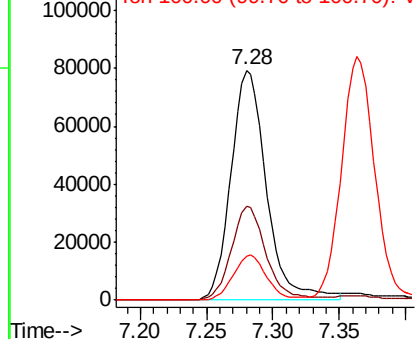
#40

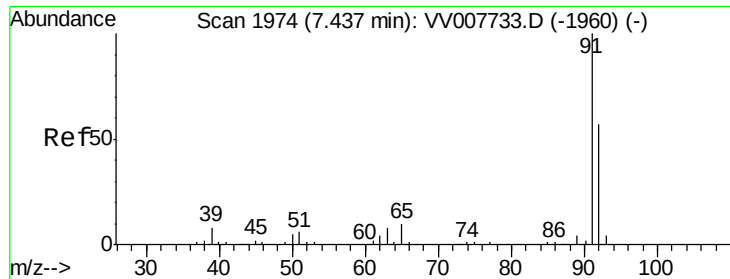
4-Methyl-2-pentanone
Concen: 95.173 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VV007733.D
Acq: 22 Sep 2018 14:24

Tgt Ion: 43 Resp: 147947
Ion Ratio Lower Upper
43 100
58 39.4 31.5 47.3
100 18.4 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 50.304 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

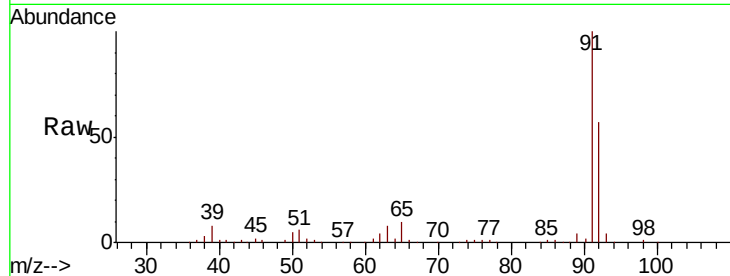
VSTD05065

Tgt Ion: 91 Resp: 271831

Ion Ratio Lower Upper

91 100

92 56.7 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

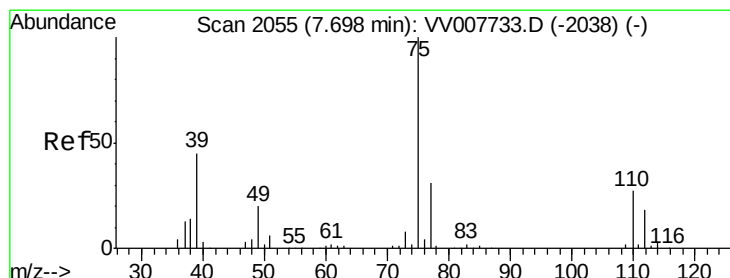
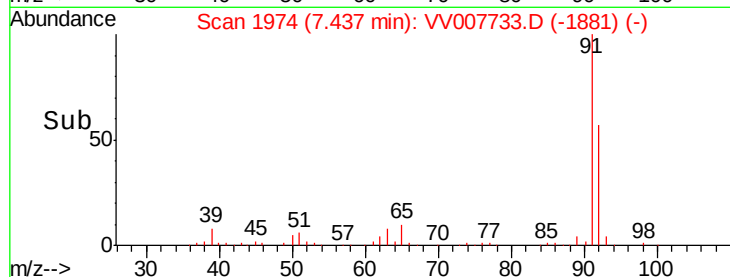
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.006 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007733.D

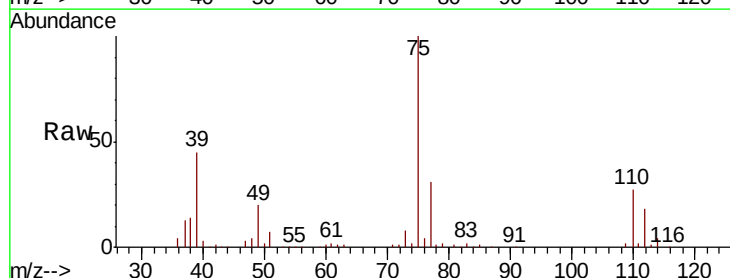
Acq: 22 Sep 2018 14:24

Tgt Ion: 75 Resp: 90629

Ion Ratio Lower Upper

75 100

77 31.4 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

60000

50000

40000

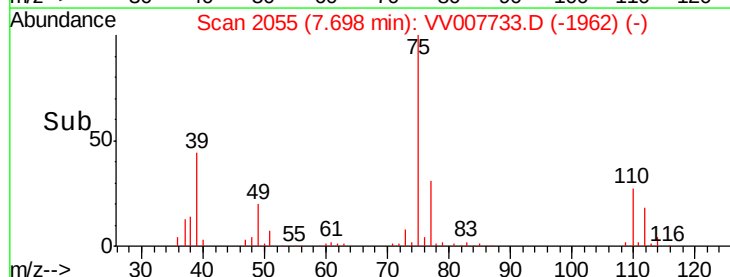
30000

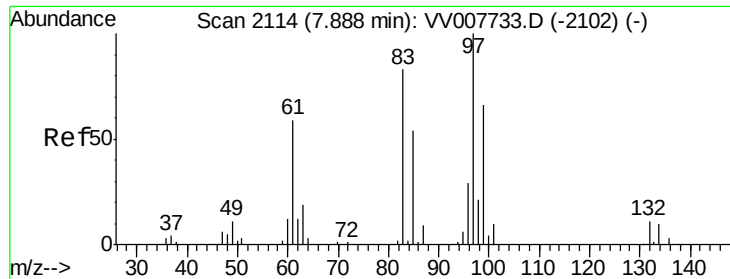
20000

10000

0

Time-->

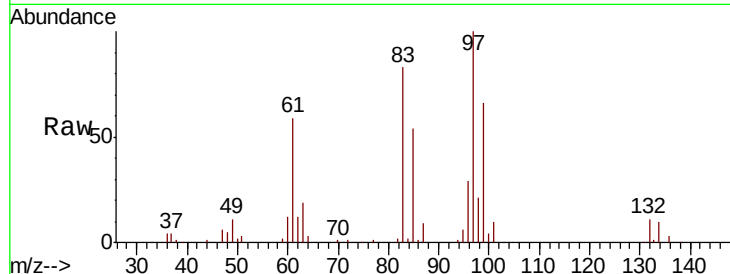




#45
 1,1,2-Trichloroethane
 Concen: 50.032 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV007733.D
 Acq: 22 Sep 2018 14:24

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05065

Tgt Ion:	97	Resp:	65058
Ion	Ratio	Lower	Upper
97	100		
99	65.5	45.8	85.2
83	83.1	58.2	108.0
85	54.3	38.0	70.6



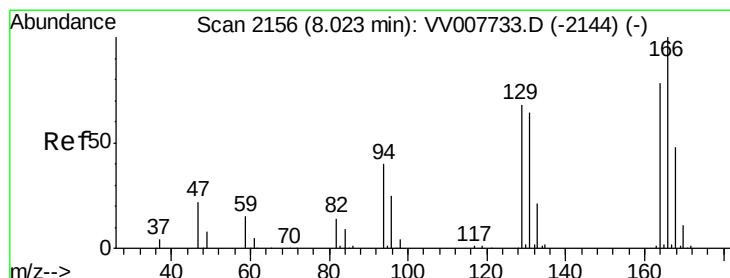
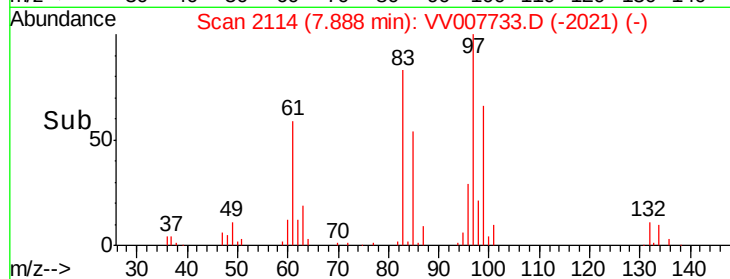
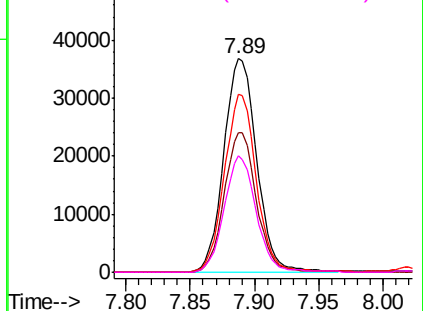
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

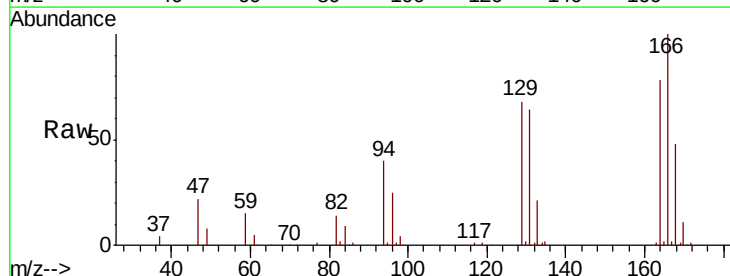
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 49.832 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007733.D
 Acq: 22 Sep 2018 14:24

Tgt Ion:	164	Resp:	68011
Ion	Ratio	Lower	Upper
164	100		
129	87.2	61.0	113.4
131	82.6	57.8	107.4
166	128.5	89.9	167.0



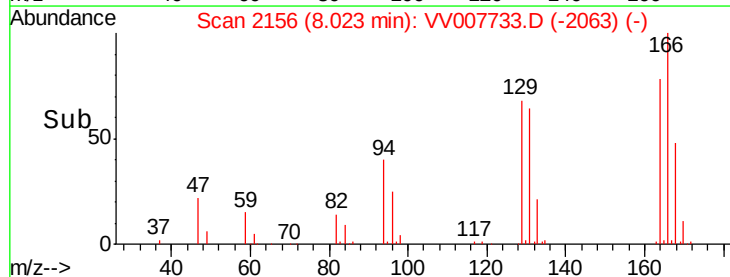
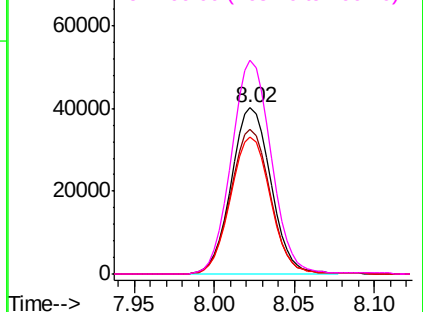
Abundance

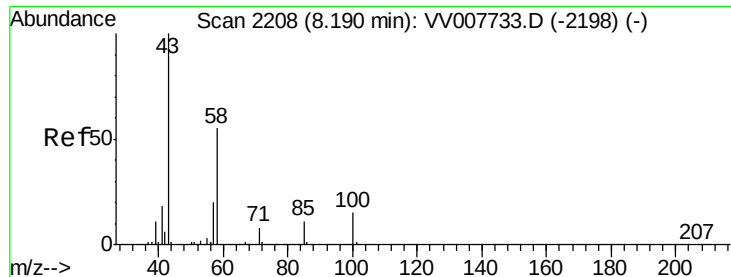
Ion 164.00 (163.70 to 164.70): V

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

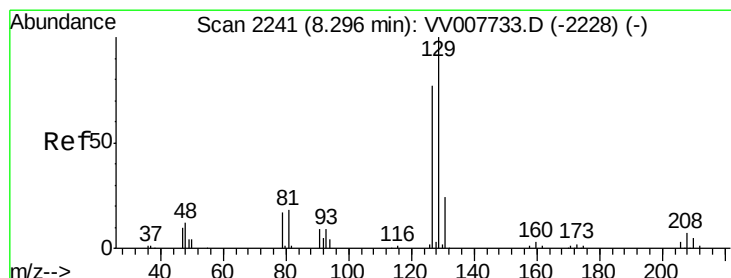
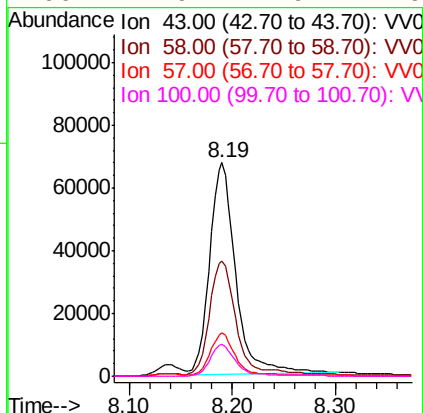
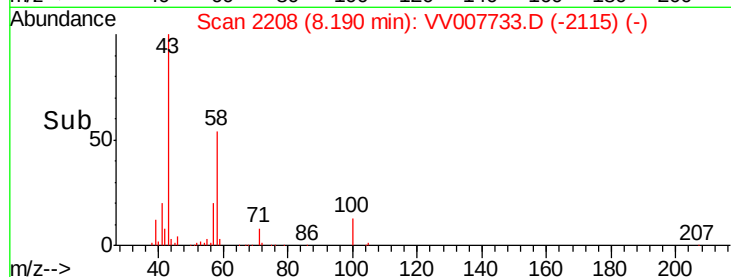
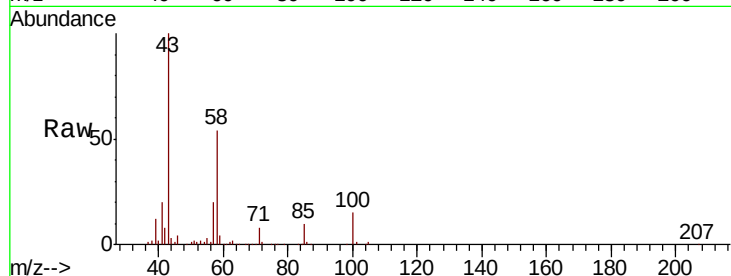




#48
2-Hexanone
Concen: 97.856 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV007733.D
Acq: 22 Sep 2018 14:24

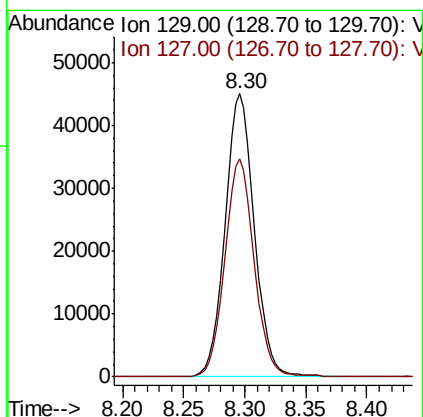
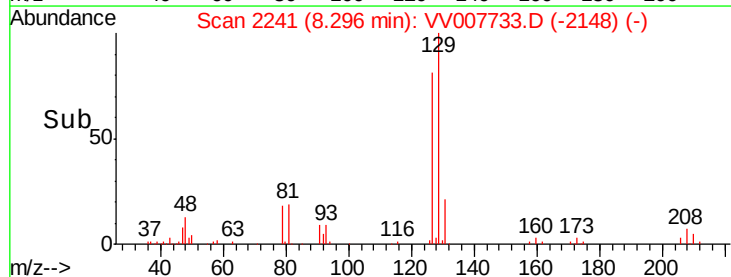
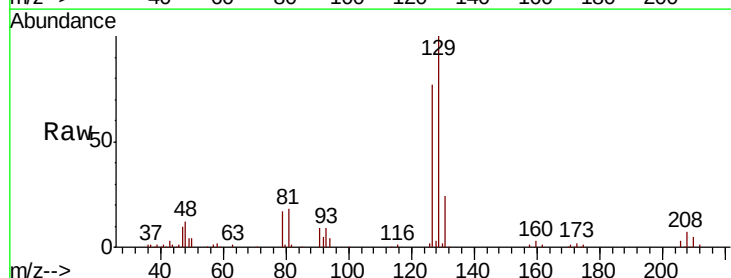
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

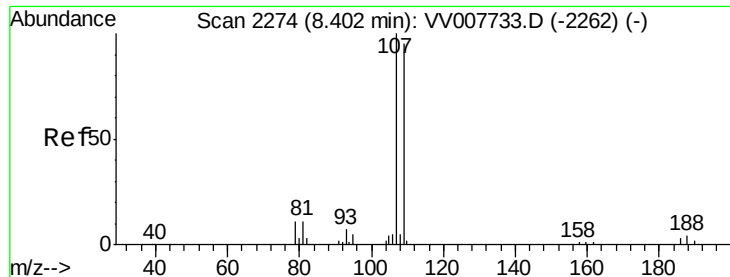
Tgt Ion: 43 Resp: 118986
Ion Ratio Lower Upper
43 100
58 51.7 41.4 62.0
57 20.0 16.0 24.0
100 14.9 11.9 17.9



#49
Dibromochloromethane
Concen: 51.574 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007733.D
Acq: 22 Sep 2018 14:24

Tgt Ion: 129 Resp: 75796
Ion Ratio Lower Upper
129 100
127 77.1 54.0 100.2

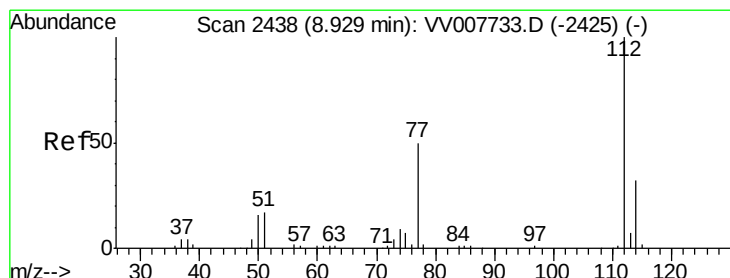
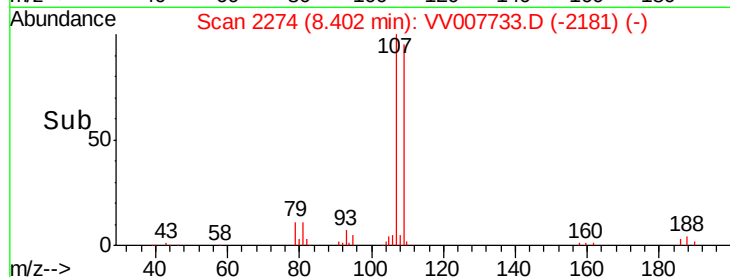
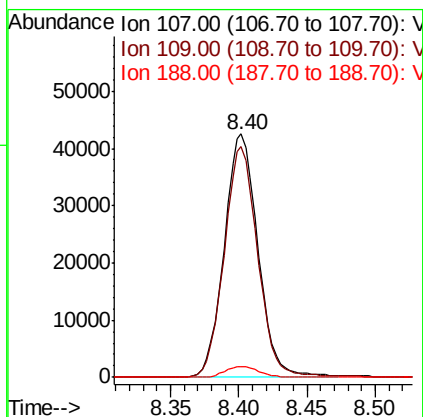
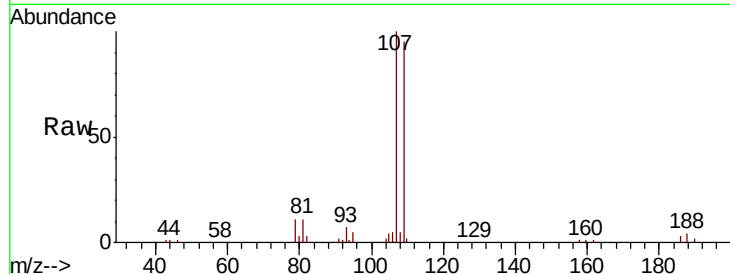




#50
1,2-Dibromoethane
Concen: 51.229 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007733.D
Acq: 22 Sep 2018 14:24

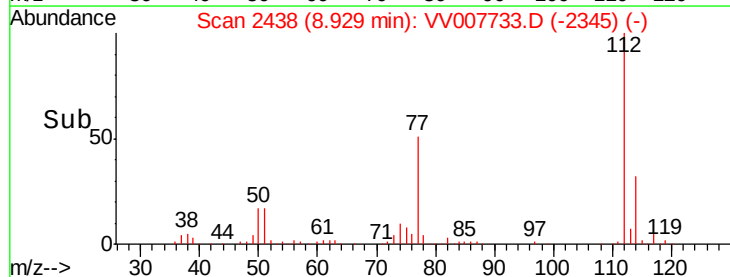
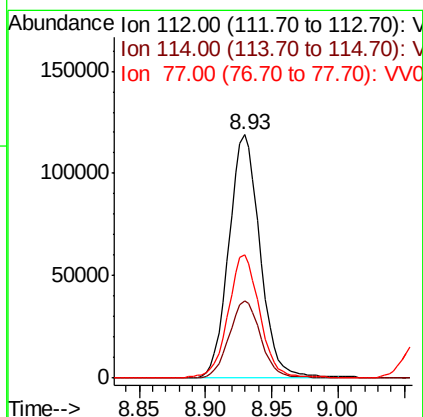
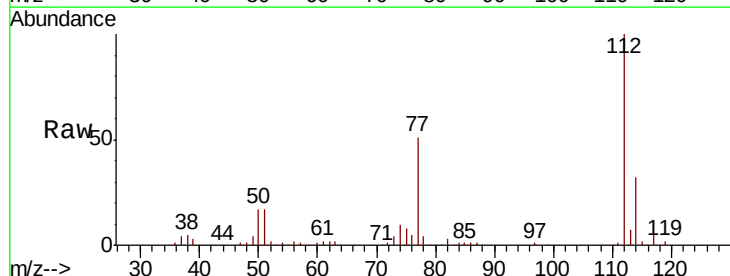
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

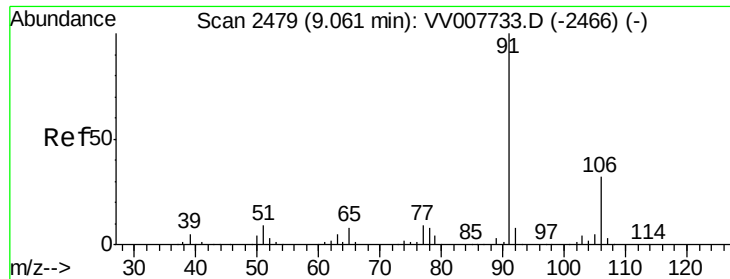
Tgt Ion:107 Resp: 73130
Ion Ratio Lower Upper
107 100
109 94.8 66.4 123.2
188 4.4 3.5 5.3



#51
Chlorobenzene
Concen: 50.017 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007733.D
Acq: 22 Sep 2018 14:24

Tgt Ion:112 Resp: 194640
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.3
77 50.7 40.6 60.8





#52

Ethylbenzene

Concen: 50.241 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

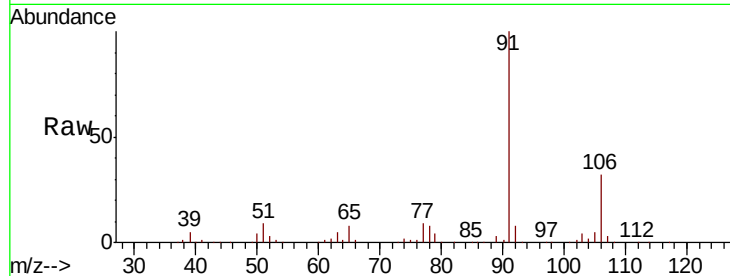
VSTD05065

Tgt Ion: 91 Resp: 310302

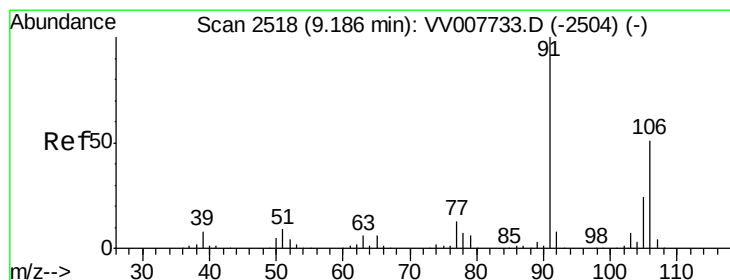
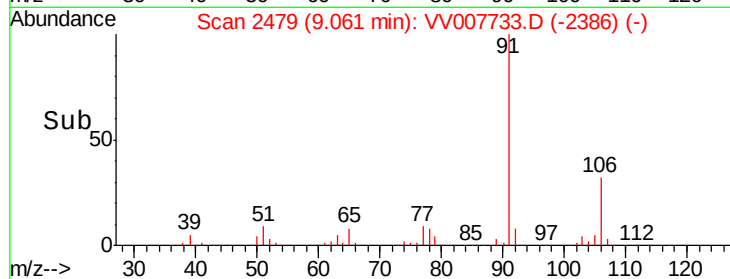
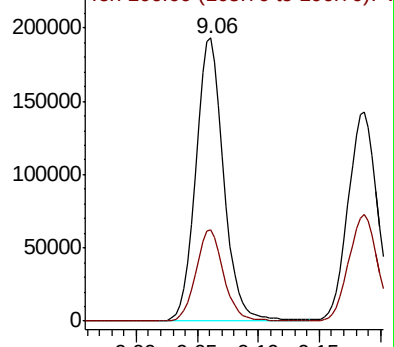
Ion Ratio Lower Upper

91 100

106 32.4 22.7 42.1



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



#53

m,p-Xylene

Concen: 49.754 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007733.D

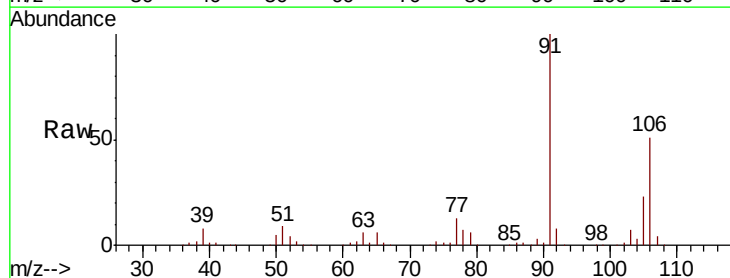
Acq: 22 Sep 2018 14:24

Tgt Ion: 106 Resp: 122090

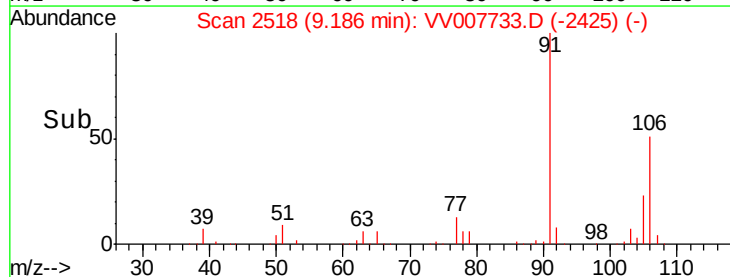
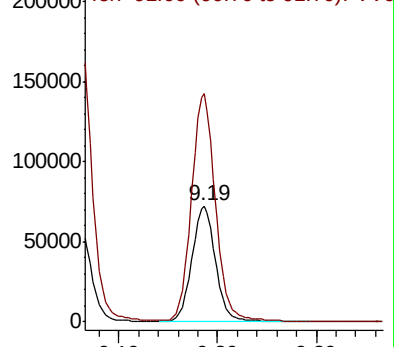
Ion Ratio Lower Upper

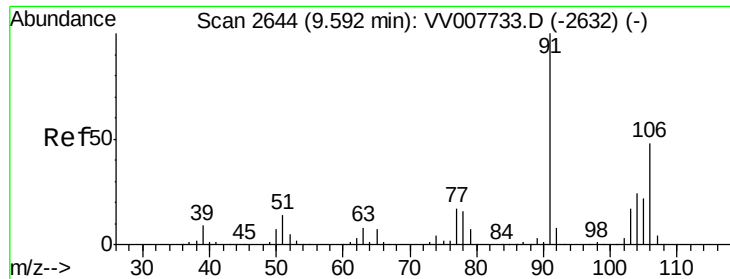
106 100

91 196.1 137.3 254.9



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

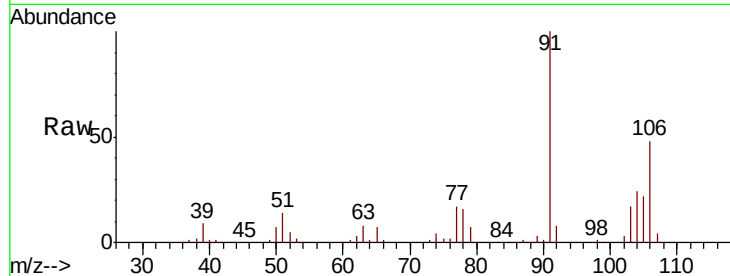




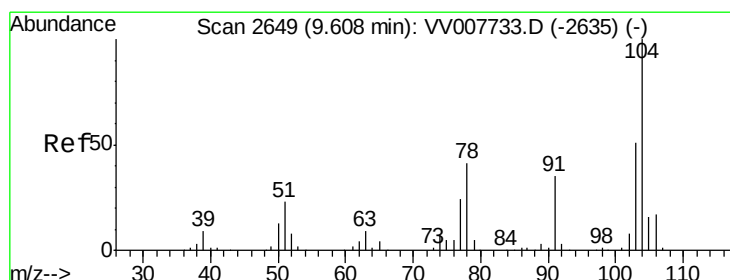
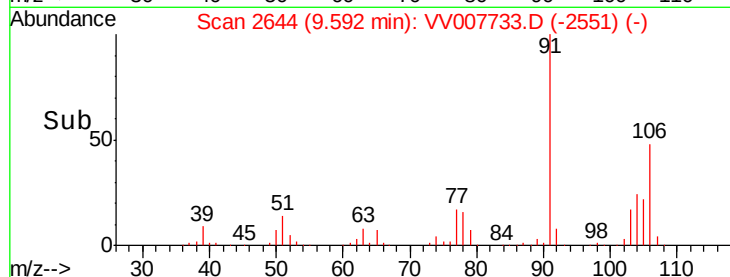
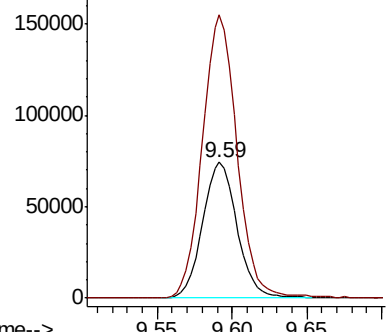
#54
o-xylene
Concen: 49.146 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007733.D
Acq: 22 Sep 2018 14:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion:106 Resp: 119714
Ion Ratio Lower Upper
106 100
91 207.9 145.5 270.3

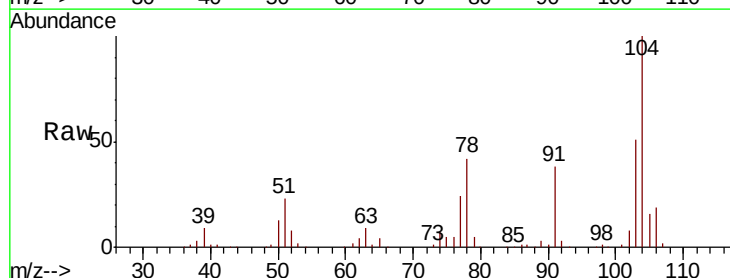


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

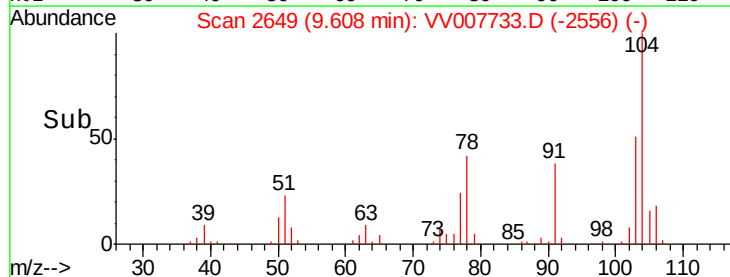
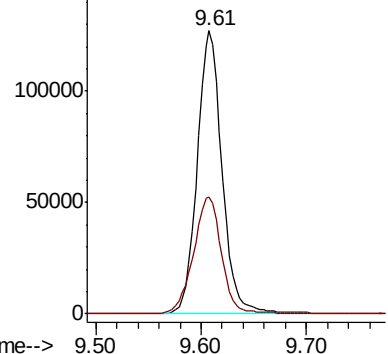


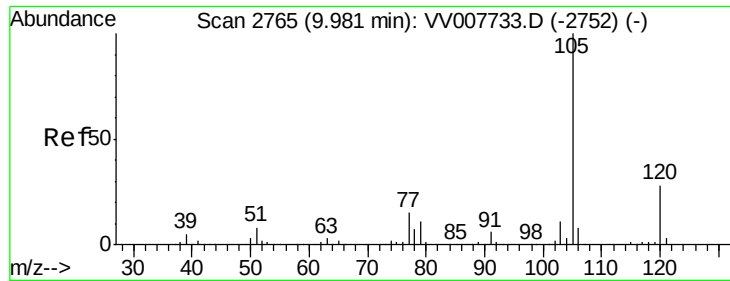
#55
Styrene
Concen: 50.215 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007733.D
Acq: 22 Sep 2018 14:24

Tgt Ion:104 Resp: 207235
Ion Ratio Lower Upper
104 100
78 41.6 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: 50.203 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

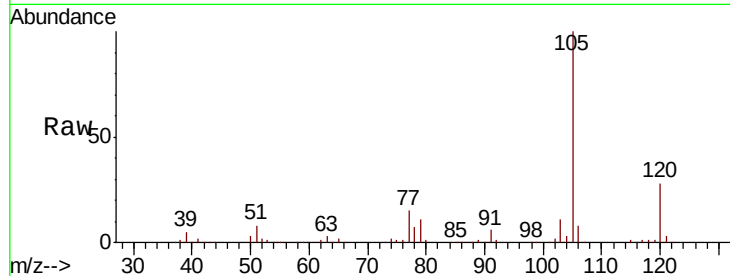
Tgt Ion: 105 Resp: 325678

Ion Ratio Lower Upper

105 100

120 27.5 22.0 33.0

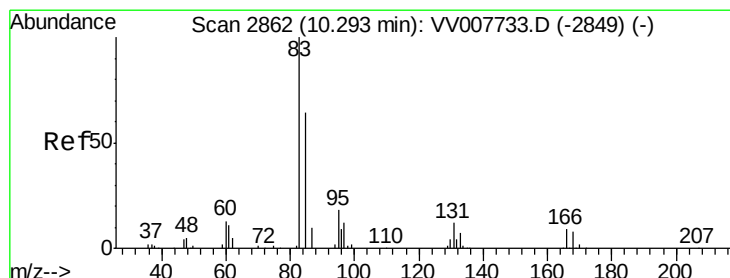
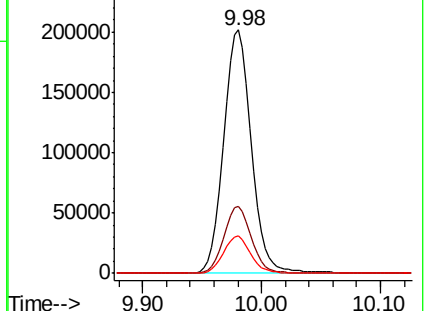
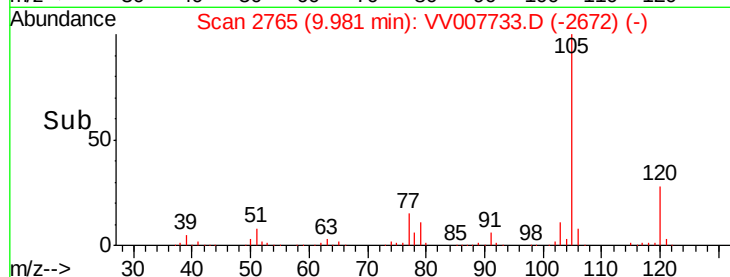
77 15.1 12.1 18.1



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: 47.617 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

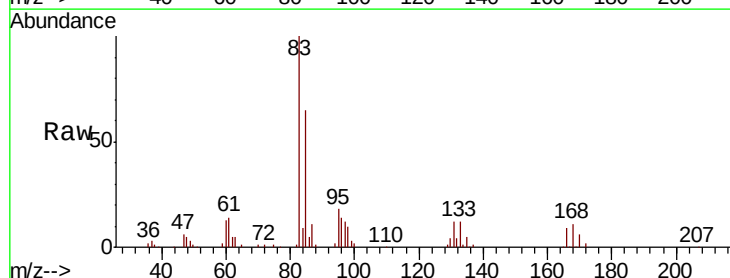
Tgt Ion: 83 Resp: 104257

Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.4

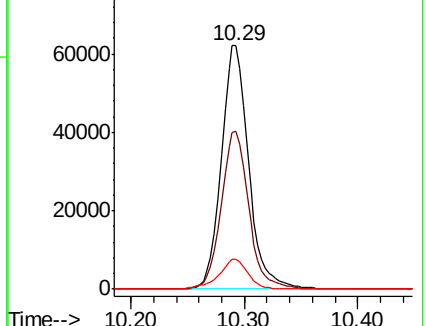
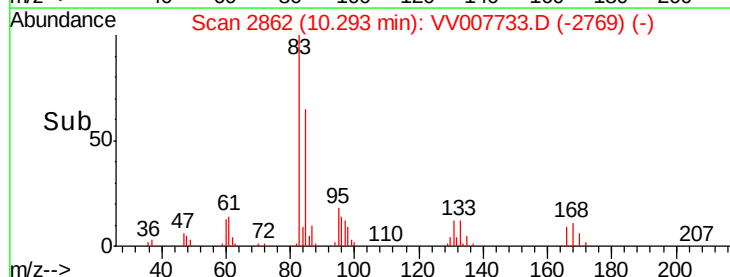
131 12.3 9.8 14.8

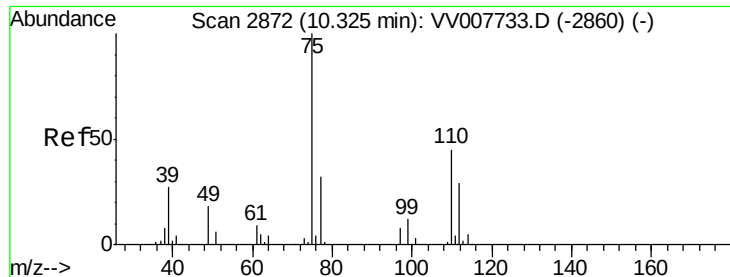


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

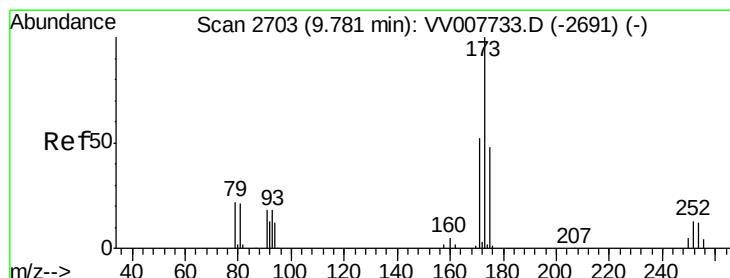
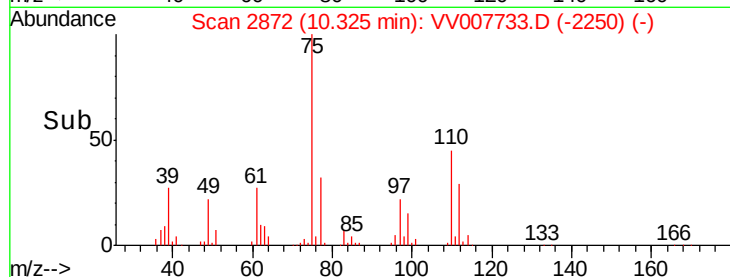
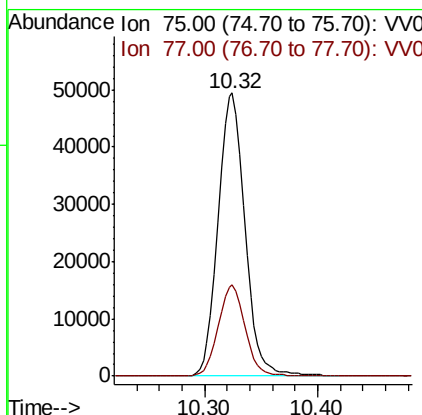
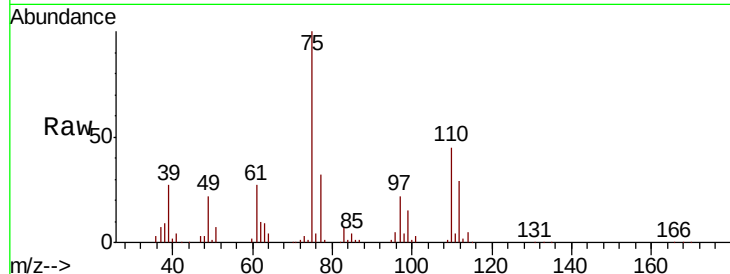




#59
 1,2,3-Trichloropropane
 Concen: 47.638 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV007733.D
 Acq: 22 Sep 2018 14:24

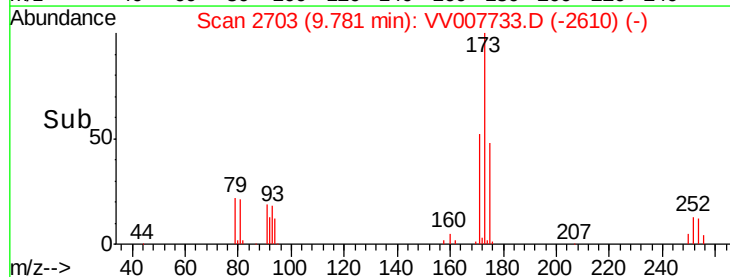
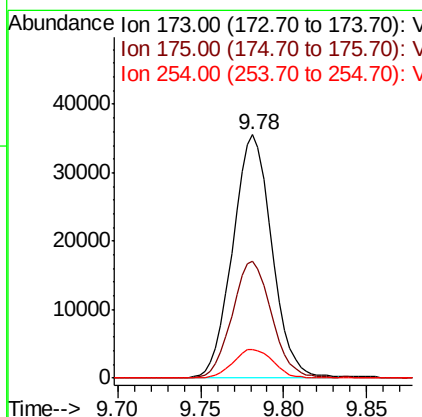
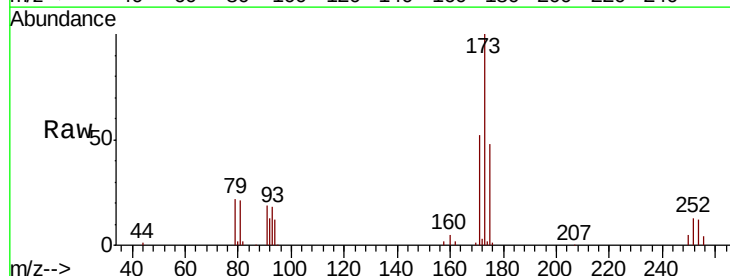
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05065

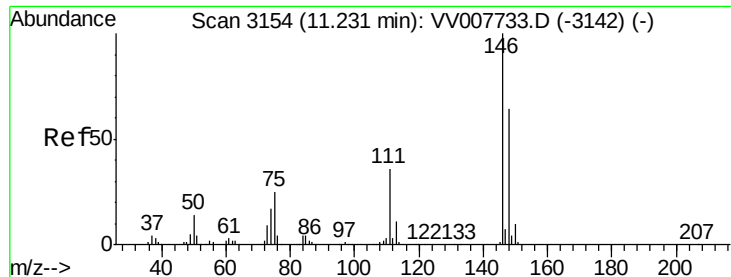
Tgt Ion: 75 Resp: 81817
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4



#61
 Bromoform
 Concen: 50.220 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV007733.D
 Acq: 22 Sep 2018 14:24

Tgt Ion: 173 Resp: 58492
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.7 58.1
 254 12.1 9.7 14.5





#62

1,3-Dichlorobenzene

Concen: 48.766 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampled :

VSTD05065

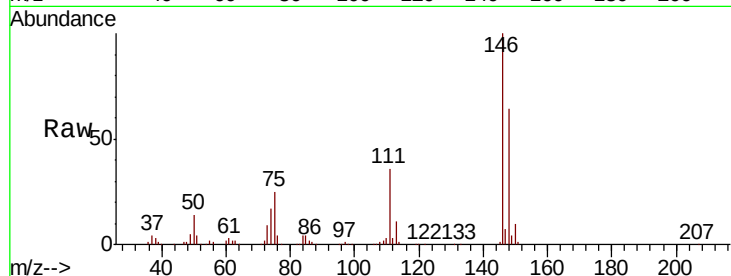
Tgt Ion:146 Resp: 171142

Ion Ratio Lower Upper

146 100

111 35.9 25.1 46.7

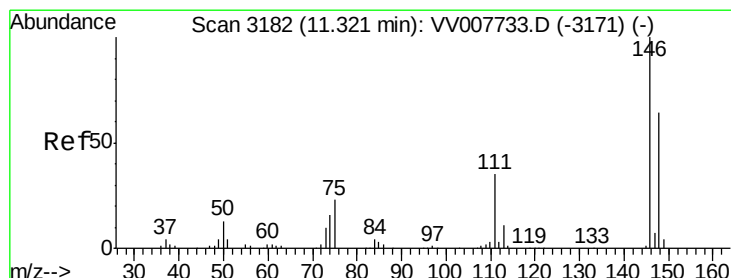
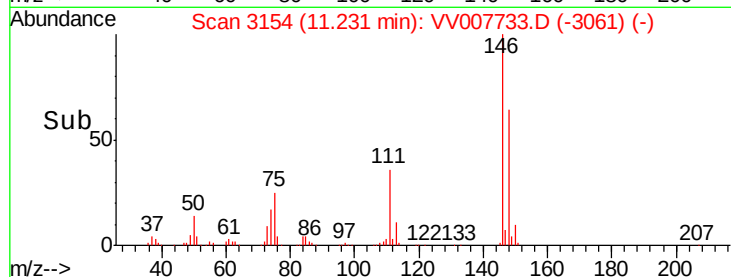
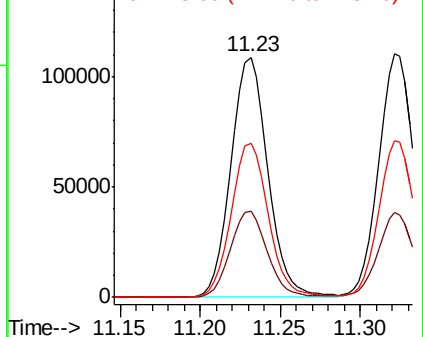
148 64.5 45.1 83.9



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: 49.060 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

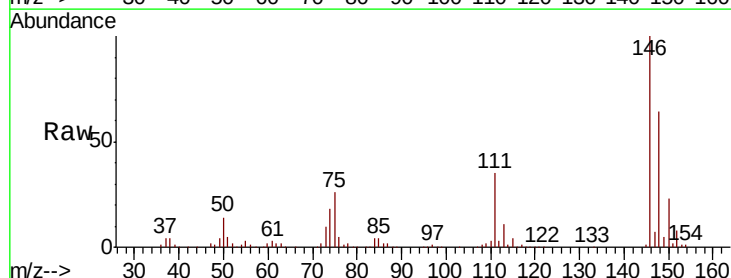
Tgt Ion:146 Resp: 175608

Ion Ratio Lower Upper

146 100

111 34.9 24.4 45.4

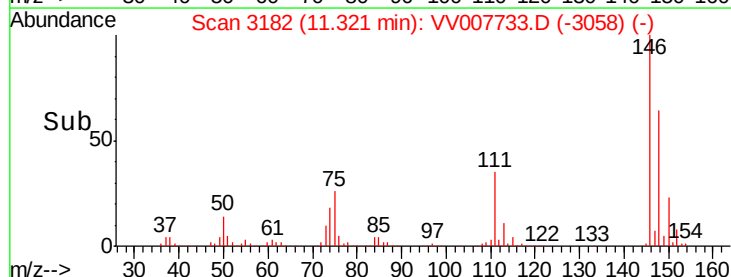
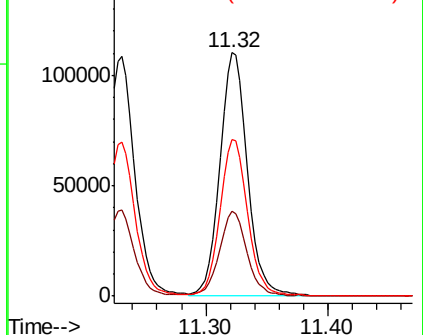
148 64.4 45.1 83.7

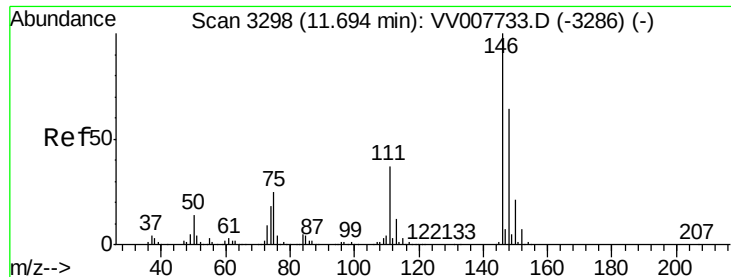


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.043 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

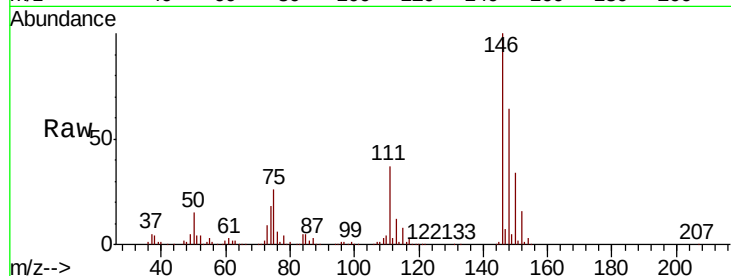
Tgt Ion:146 Resp: 175491

Ion Ratio Lower Upper

146 100

111 37.3 29.8 44.8

148 63.5 50.8 76.2

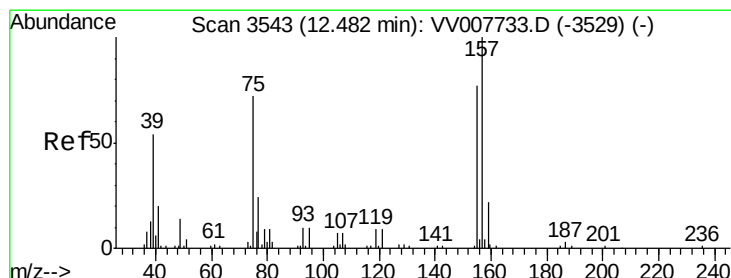
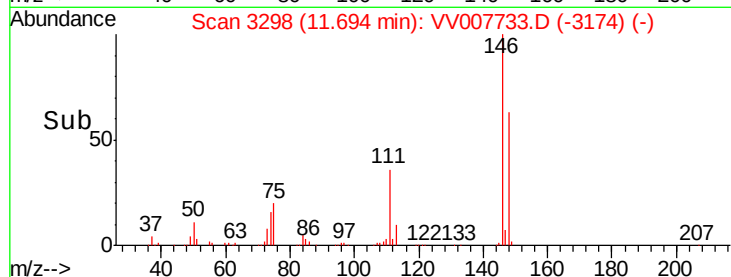
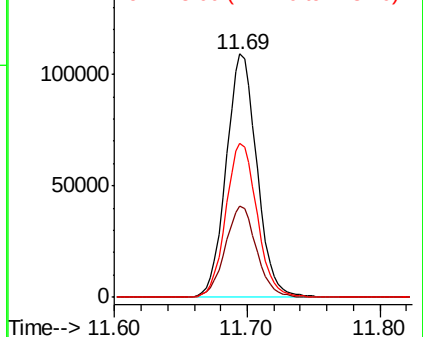


Abundance

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: 49.518 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

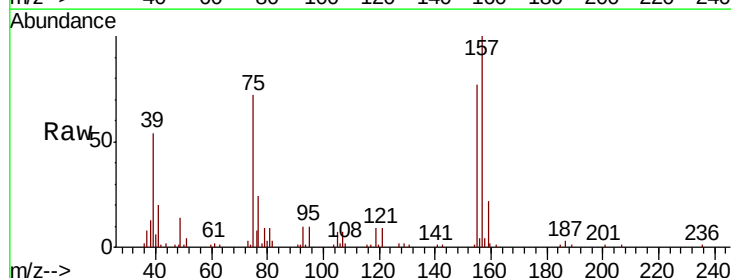
Tgt Ion: 75 Resp: 21351

Ion Ratio Lower Upper

75 100

155 107.5 86.0 129.0

157 139.4 111.5 167.3

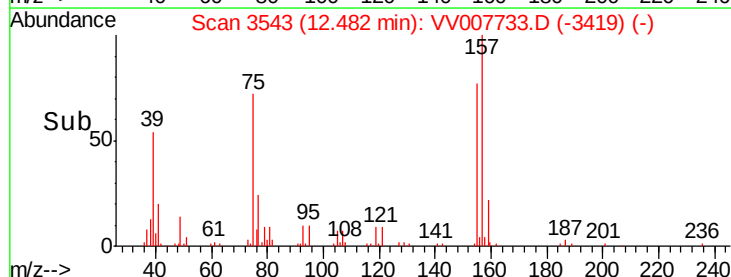
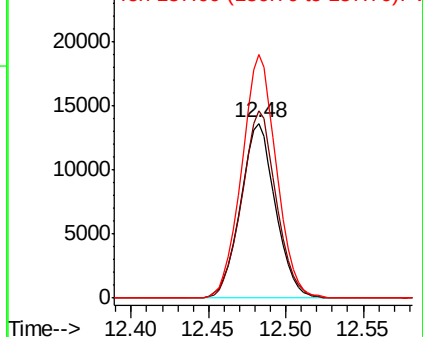


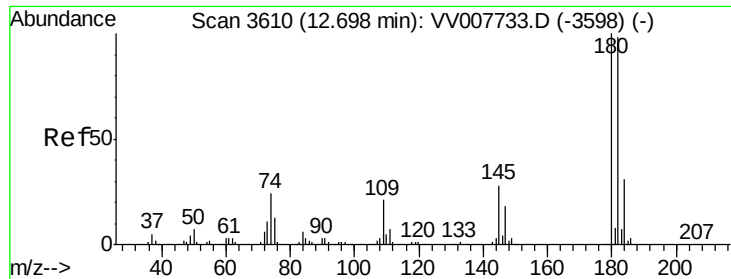
Abundance

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

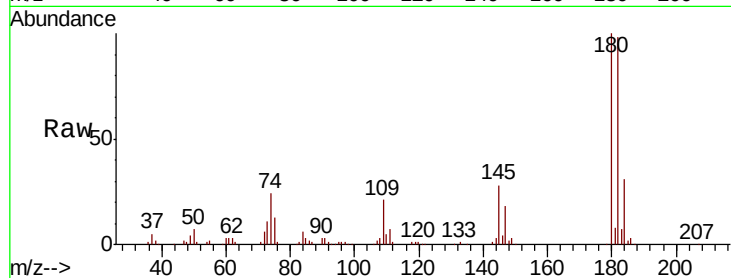




#67
 1,3,5-Trichlorobenzene
 Concen: 50.905 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007733.D
 Acq: 22 Sep 2018 14:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.6	116.4
184	30.9	24.7	37.1
145	27.3	21.8	32.8



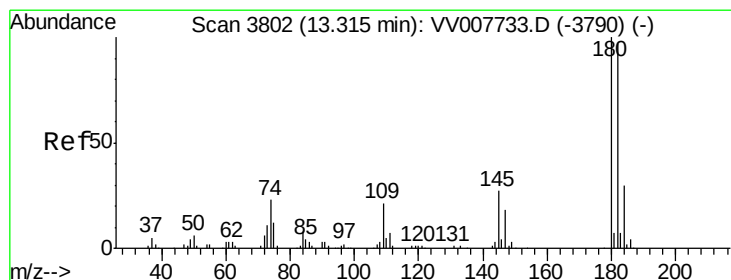
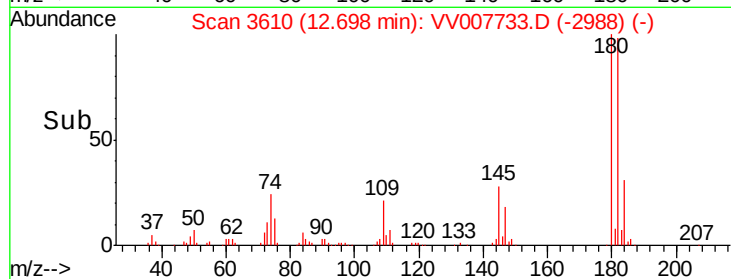
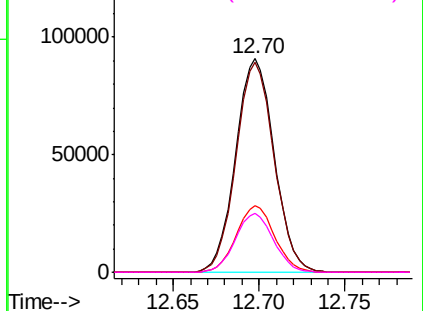
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

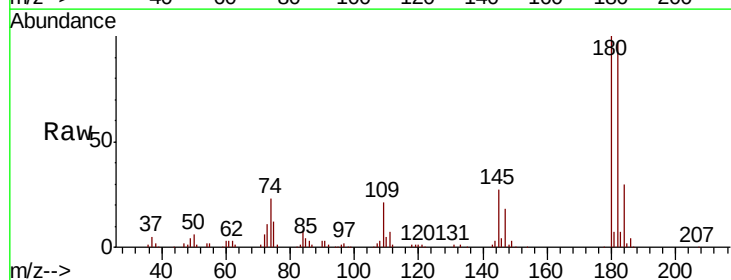
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.646 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007733.D
 Acq: 22 Sep 2018 14:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
145	27.7	22.2	33.2

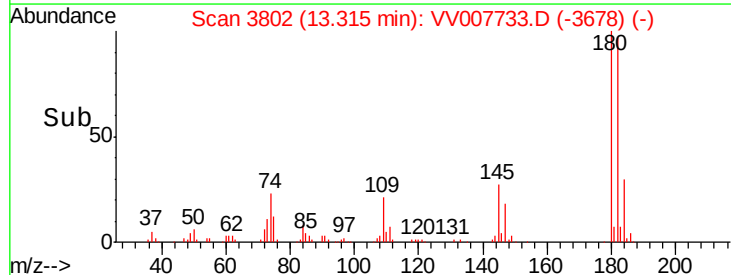
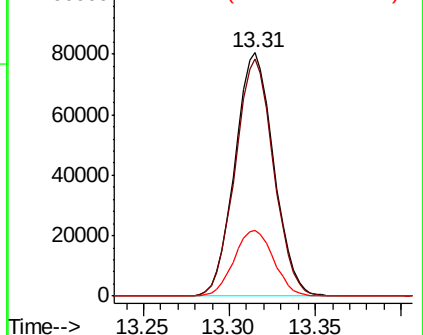


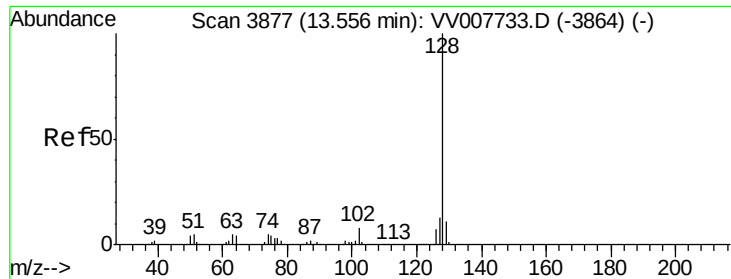
Abundance

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: 56.067 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

Instrument :

MSVOA_V

ClientSampled :

VSTD05065

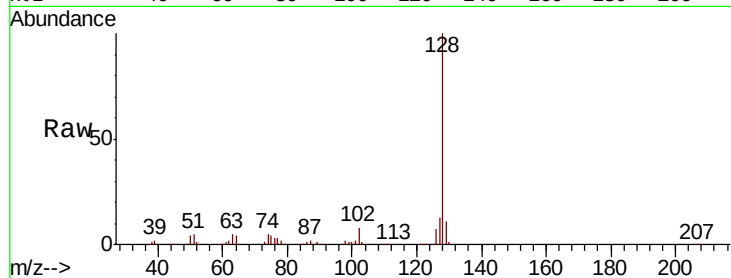
Tgt Ion:128 Resp: 334156

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

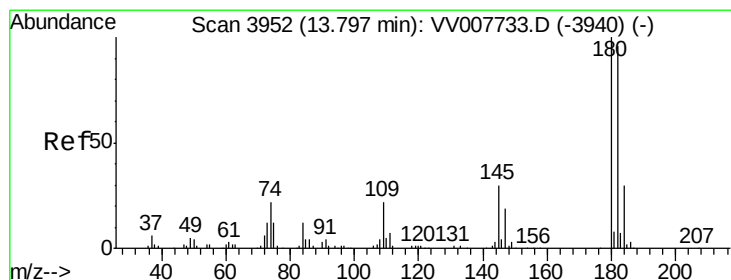
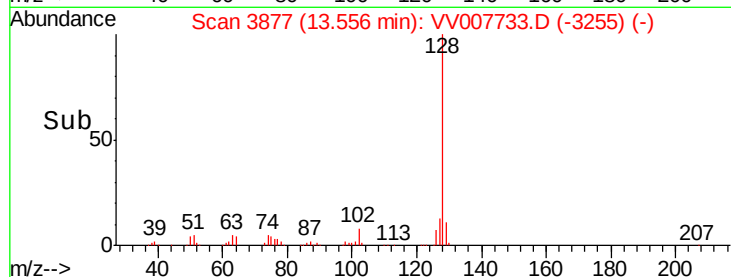
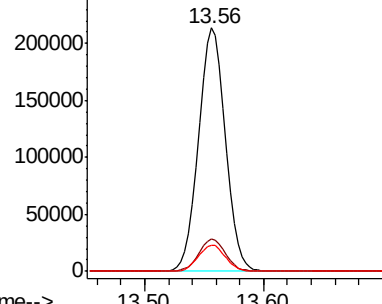
129 10.8 8.6 13.0



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: 53.652 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV007733.D

Acq: 22 Sep 2018 14:24

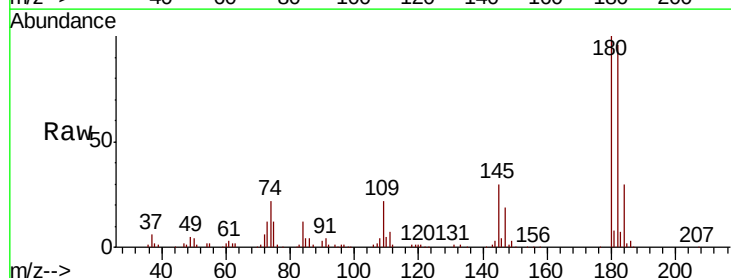
Tgt Ion:180 Resp: 127846

Ion Ratio Lower Upper

180 100

182 96.8 77.4 116.2

145 29.1 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

