

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007735.D
 Acq On : 22 Sep 2018 15:14
 Operator : SY/MD
 Sample : VSTD20067
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20067

Quant Time: Sep 24 02:14:01 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	197421	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	200106	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	121449	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	213706	217.43	ug/L	0.00
7) Chloroethane-d5	1.57	69	195784	214.59	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.14	63	505945	207.13	ug/L	0.00
21) 2-Butanone-d5	3.95	46	303055	429.91	ug/L	0.00
24) Chloroform-d	4.41	84	469814	230.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	303520	216.73	ug/L	0.00
32) Benzene-d6	5.11	84	906170	207.22	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	266092	206.86	ug/L	0.00
41) Toluene-d8	7.36	98	978756	215.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	154998	243.09	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	263475	438.47	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	449025	209.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	486469	203.98	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	267565	189.111	ug/L	99
3) Chloromethane	1.25	50	217119	195.957	ug/L	100
5) Vinyl chloride	1.33	62	254136	200.593	ug/L	99
6) Bromomethane	1.52	94	203055	271.871	ug/L	98
8) Chloroethane	1.59	64	160272	177.057	ug/L	98
9) Trichlorofluoromethane	1.77	101	513769	191.102	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	290560	190.371	ug/L	98
12) 1,1-Dichloroethene	2.15	96	261177	194.153	ug/L	96
13) Acetone	2.19	43	267612	388.605	ug/L	98
14) Carbon disulfide	2.32	76	706505	214.439	ug/L	100
15) Methyl Acetate	2.46	43	262559	196.703	ug/L	100
16) Methylene chloride	2.54	84	281275	189.542	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	286791	195.438	ug/L	100
18) Methyl tert-butyl Ether	2.81	73	878278	195.597	ug/L	100
19) 1,1-Dichloroethane	3.23	63	373974	196.253	ug/L	98
20) cis-1,2-Dichloroethene	3.97	96	269986	201.414	ug/L	99
22) 2-Butanone	4.03	43	326748	407.045	ug/L	99
23) Bromochloromethane	4.31	128	150470	205.136	ug/L	98
25) Chloroform	4.43	83	451814	187.825	ug/L	97
27) 1,2-Dichloroethane	5.19	62	368351	203.714	ug/L	99
29) Cyclohexane	4.73	56	340162	190.593	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	429219	196.488	ug/L	99
31) Carbon tetrachloride	4.88	117	406907	208.950	ug/L	100
33) Benzene	5.15	78	941364	193.539	ug/L	100
34) Trichloroethene	5.96	95	274172	196.043	ug/L	98
35) Methylcyclohexane	6.18	83	427460	197.907	ug/L	98
37) 1,2-Dichloropropane	6.23	63	236238	193.085	ug/L	100
38) Bromodichloromethane	6.56	83	354895	213.905	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	419878	221.134	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	646550	395.464	ug/L	98

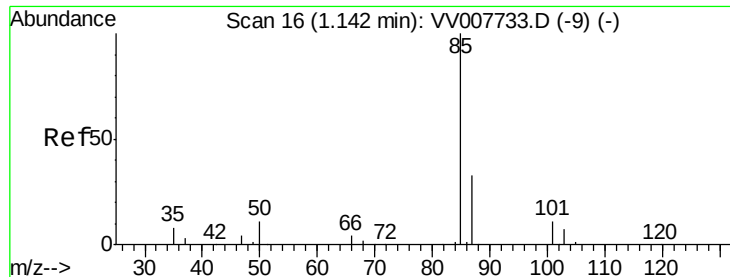
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
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 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 02:11:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	1139536	200.505	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	415209	230.899	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	269092	196.766	ug/L	99
46) Tetrachloroethene	8.02	164	281919	196.404	ug/L	98
48) 2-Hexanone	8.19	43	521790	408.024	ug/L	96
49) Dibromochloromethane	8.30	129	352159	227.838	ug/L	100
50) 1,2-Dibromoethane	8.40	107	311269	207.328	ug/L	100
51) Chlorobenzene	8.93	112	814948	199.120	ug/L	98
52) Ethylbenzene	9.06	91	1333366	205.267	ug/L	100
53) m,p-Xylene	9.19	106	534605	207.146	ug/L	99
54) o-xylene	9.59	106	529943	206.857	ug/L	100
55) Styrene	9.61	104	935819	215.604	ug/L	98
56) Isopropylbenzene	9.98	105	1438234	210.798	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	446329	193.825	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	346841	192.016	ug/L	99
61) Bromoform	9.78	173	296086	232.682	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	751094	195.892	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	763739	195.295	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	761752	190.876	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	107741	228.710	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	644641	211.794	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	599029	237.350	ug/L	99
69) Naphthalene	13.56	128	1676626	257.487	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	606035	232.788	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 189.111 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

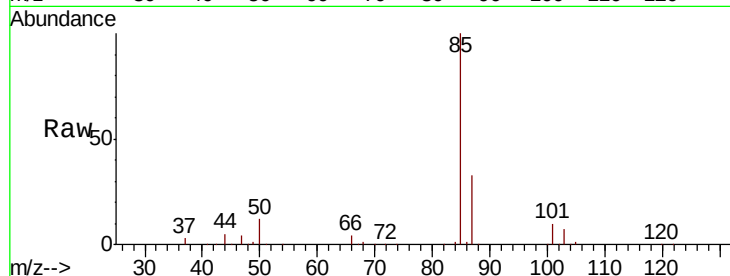
VSTD20067

Tgt Ion: 85 Resp: 267565

Ion Ratio Lower Upper

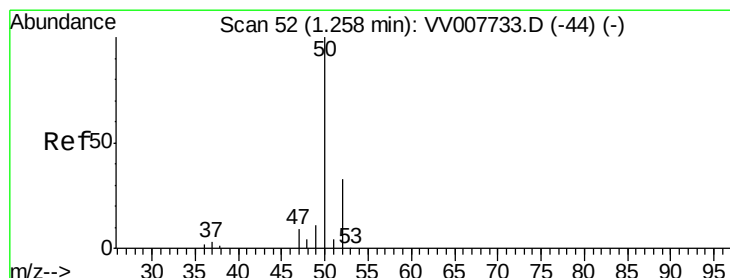
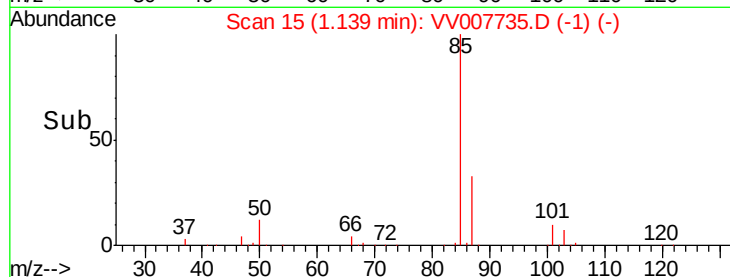
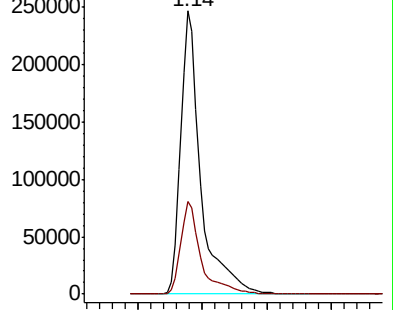
85 100

87 32.8 26.9 40.3



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

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



#3

Chloromethane

Concen: 195.957 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007735.D

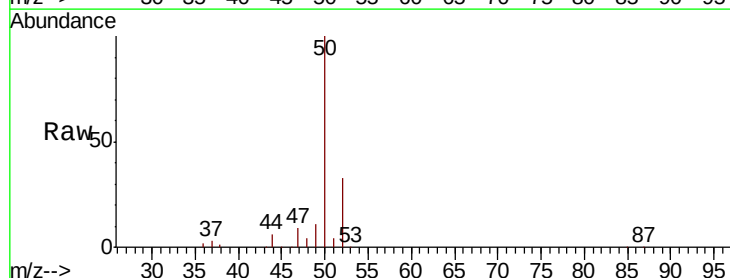
Acq: 22 Sep 2018 15:14

Tgt Ion: 50 Resp: 217119

Ion Ratio Lower Upper

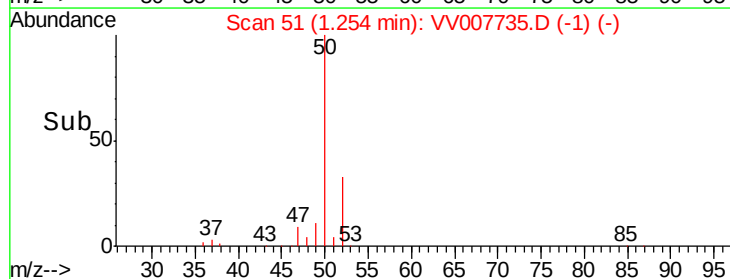
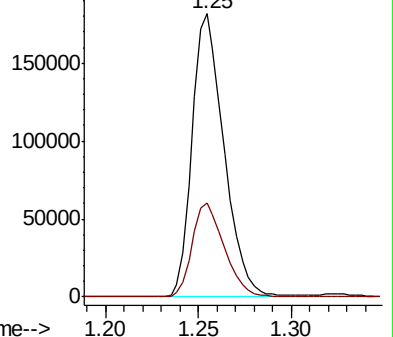
50 100

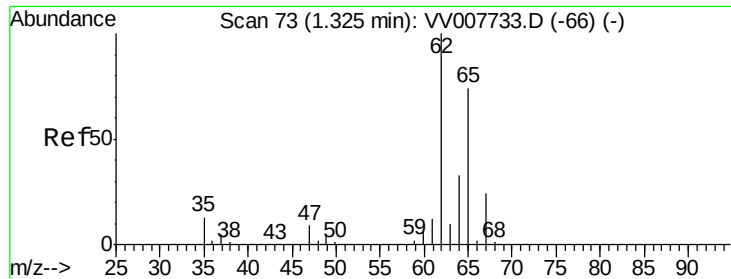
52 33.0 23.0 42.8



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

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





#5

Vinyl chloride

Concen: 200.593 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

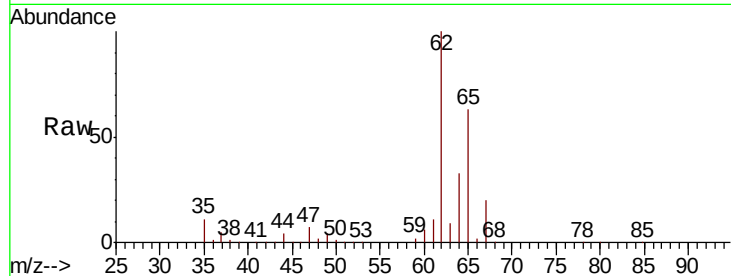
VSTD20067

Tgt Ion: 62 Resp: 254136

Ion Ratio Lower Upper

62 100

64 33.0 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.33

250000

200000

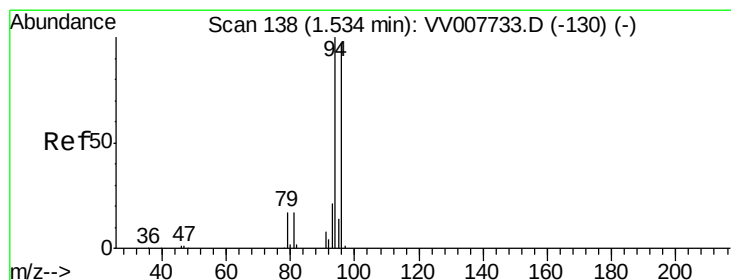
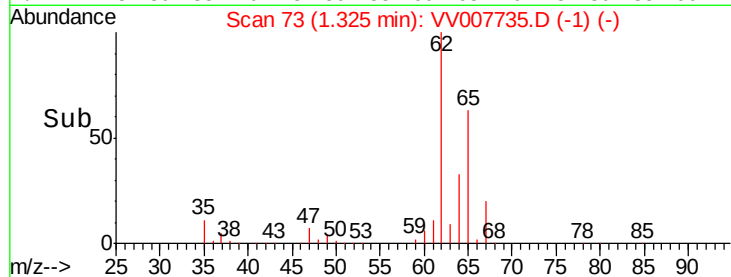
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 271.871 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.01 min

Lab File: VV007735.D

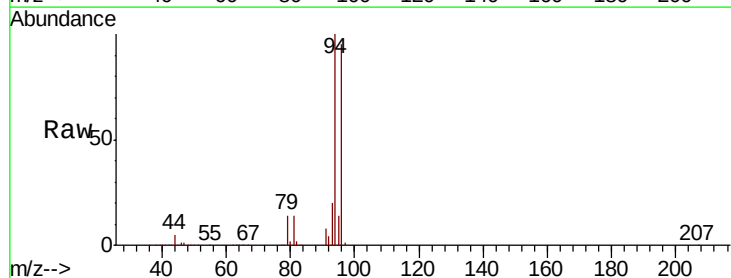
Acq: 22 Sep 2018 15:14

Tgt Ion: 94 Resp: 203055

Ion Ratio Lower Upper

94 100

96 95.2 68.2 126.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

200000

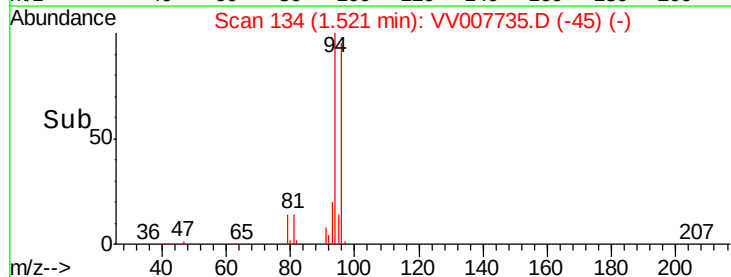
150000

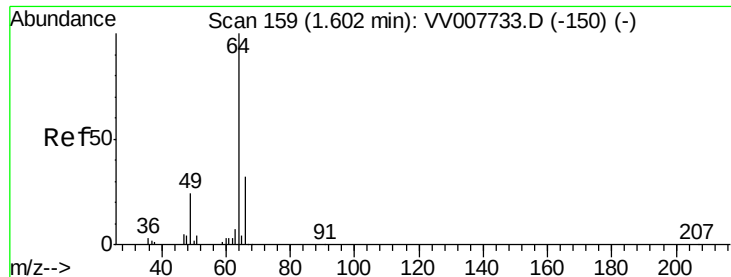
100000

50000

0

Time--> 1.50 1.55





#8

Chloroethane

Concen: 177.057 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

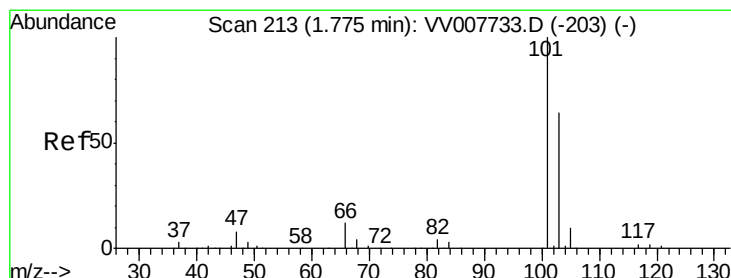
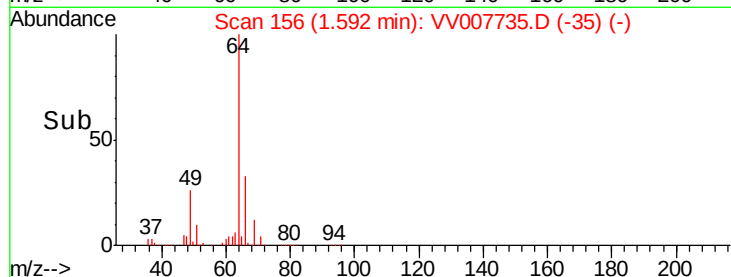
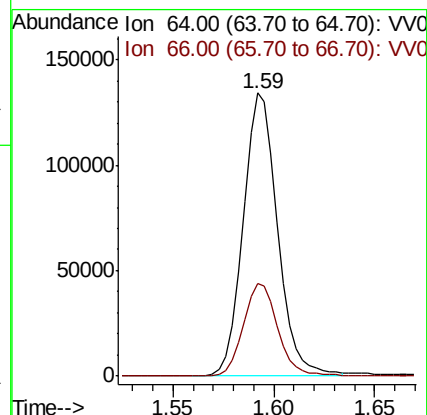
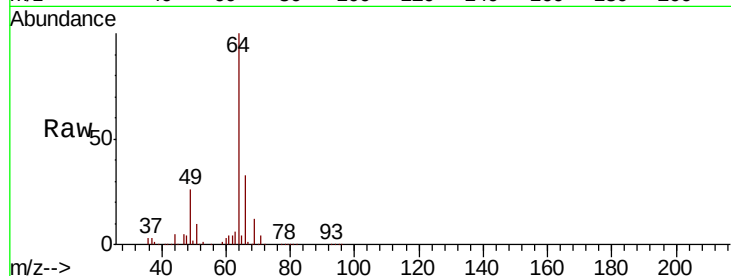
VSTD20067

Tgt Ion: 64 Resp: 160272

Ion Ratio Lower Upper

64 100

66 32.8 22.3 41.5



#9

Trichlorofluoromethane

Concen: 191.102 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.01 min

Lab File: VV007735.D

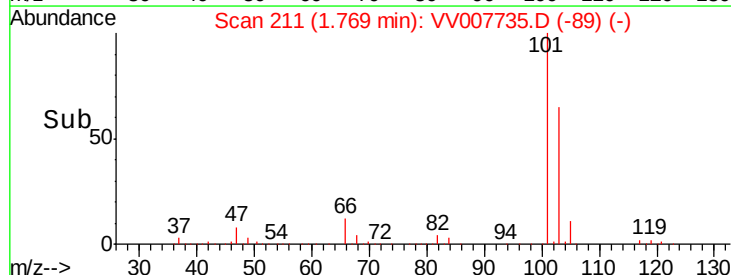
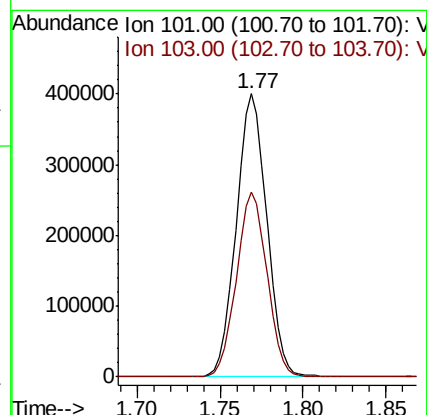
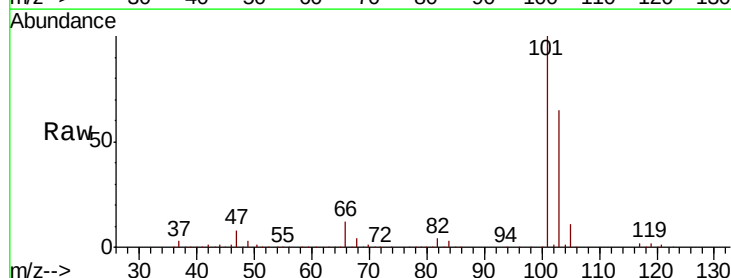
Acq: 22 Sep 2018 15:14

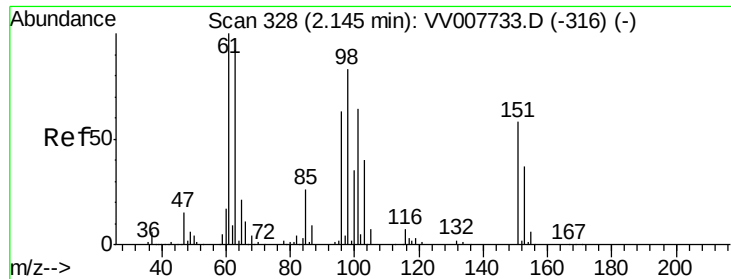
Tgt Ion: 101 Resp: 513769

Ion Ratio Lower Upper

101 100

103 65.3 51.4 77.2





#10

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

Concen: 190.371 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

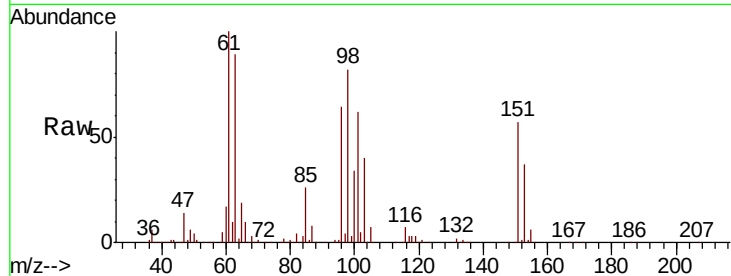
Tgt Ion:101 Resp: 290560

Ion Ratio Lower Upper

101 100

85 41.9 32.7 49.1

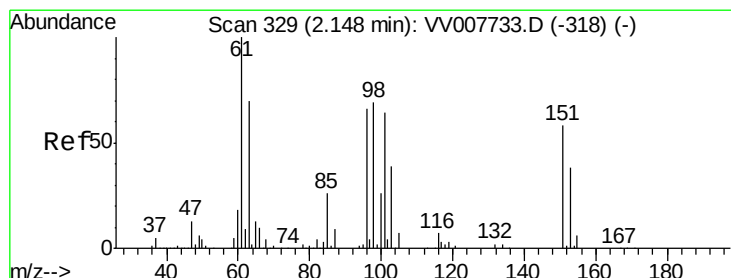
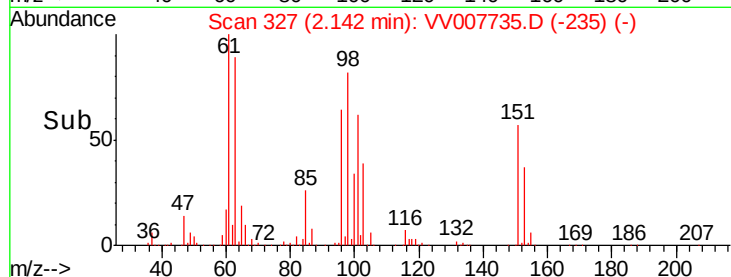
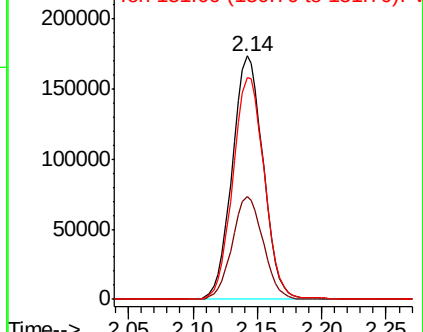
151 92.2 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): VV007735.D (-235) (-)

Ion 85.00 (84.70 to 85.70): VV007735.D (-235) (-)

Ion 151.00 (150.70 to 151.70): VV007735.D (-235) (-)



#12

1,1-Dichloroethene

Concen: 194.153 ug/L

RT: 2.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

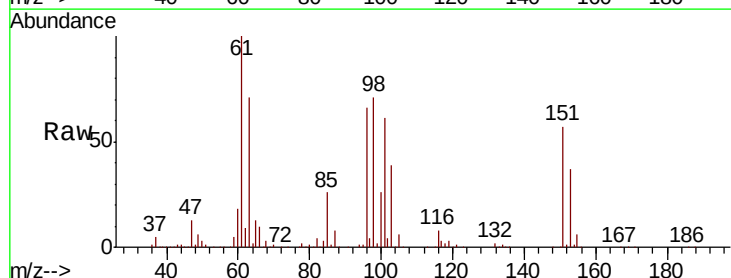
Tgt Ion: 96 Resp: 261177

Ion Ratio Lower Upper

96 100

61 150.8 107.3 199.3

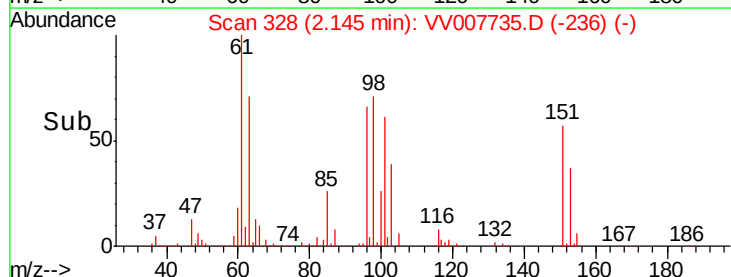
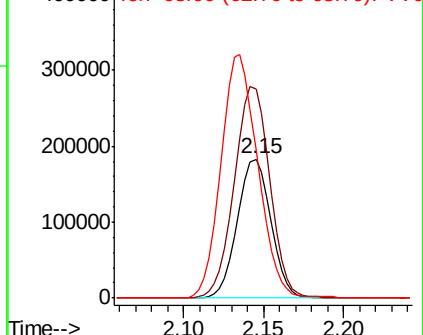
63 106.4 78.8 146.4

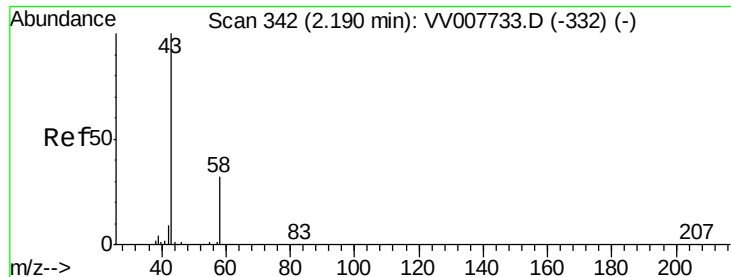


Abundance Ion 96.00 (95.70 to 96.70): VV007735.D (-236) (-)

Ion 61.00 (60.70 to 61.70): VV007735.D (-236) (-)

Ion 63.00 (62.70 to 63.70): VV007735.D (-236) (-)





#13

Acetone

Concen: 388.605 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

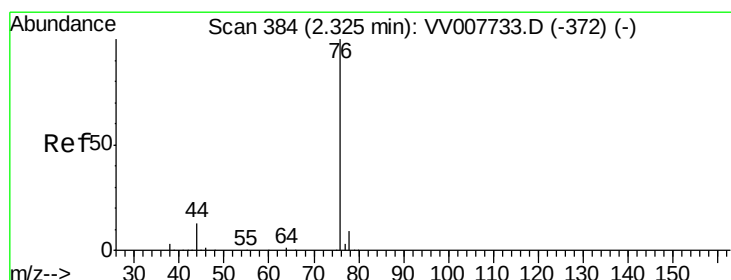
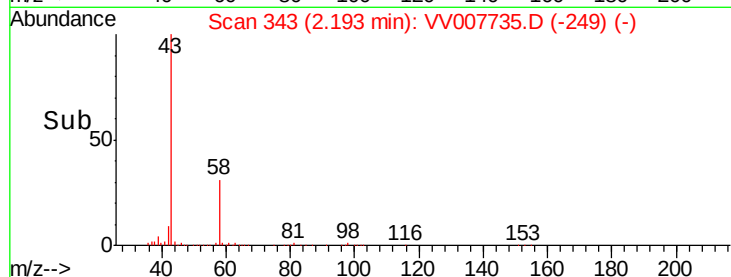
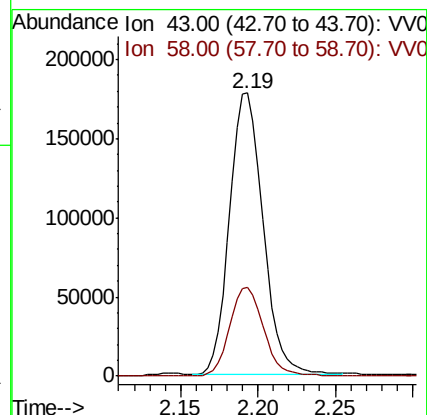
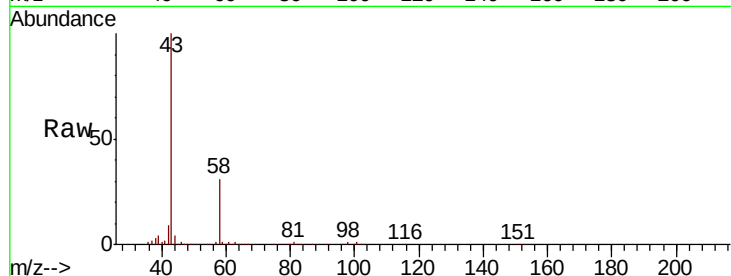
VSTD20067

Tgt Ion: 43 Resp: 267612

Ion Ratio Lower Upper

43 100

58 31.7 0.0 65.2



#14

Carbon disulfide

Concen: 214.439 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007735.D

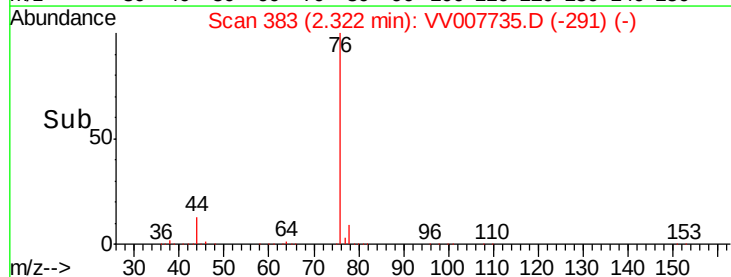
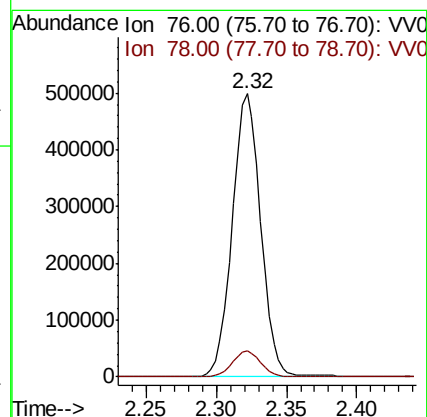
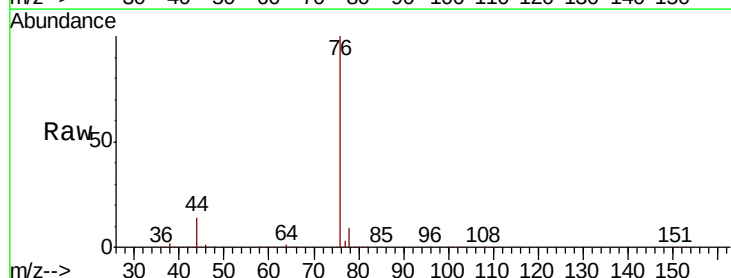
Acq: 22 Sep 2018 15:14

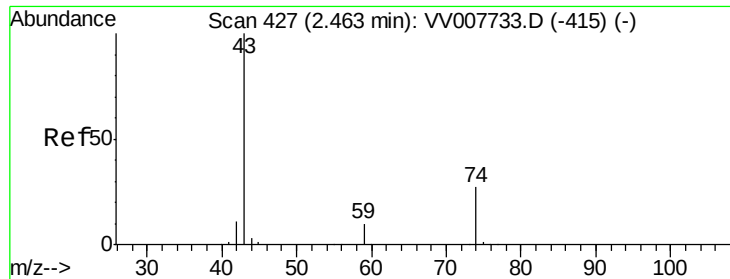
Tgt Ion: 76 Resp: 706505

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

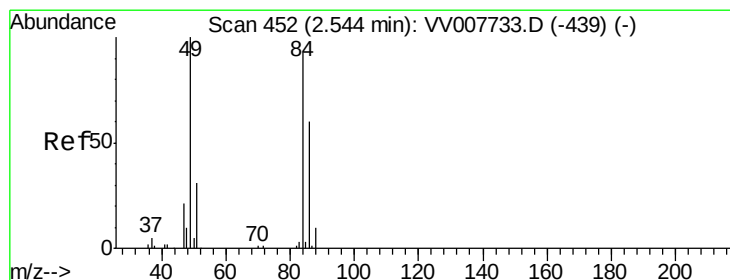
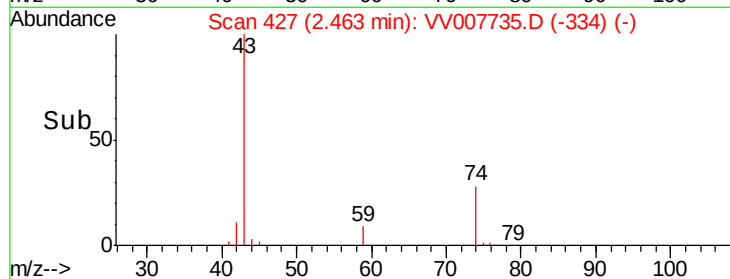
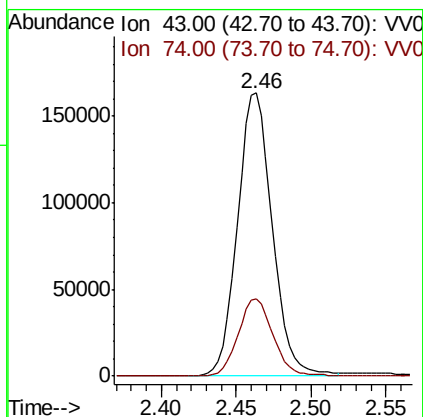
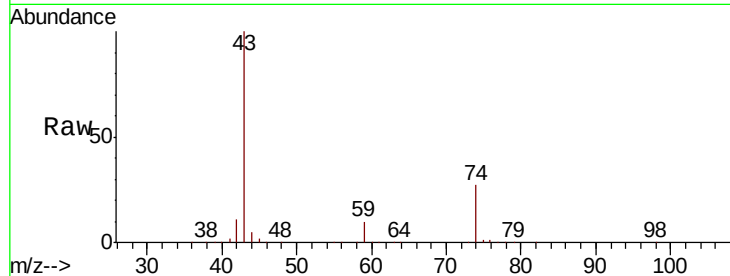




#15
Methyl Acetate
Concen: 196.703 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV007735.D
Acq: 22 Sep 2018 15:14

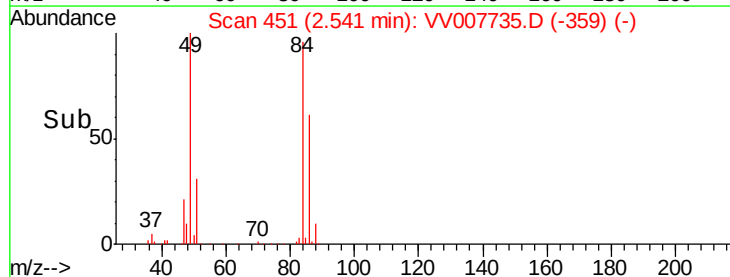
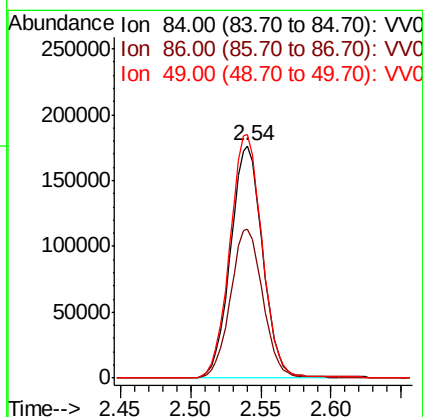
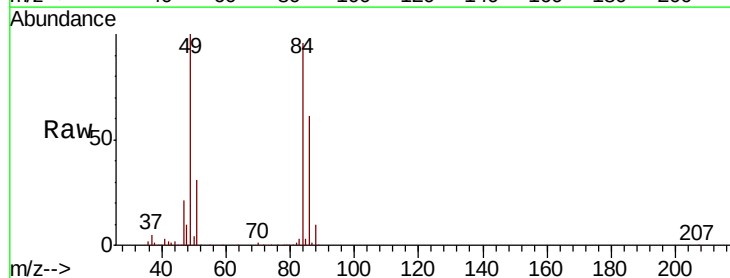
Instrument :
MSVOA_V
ClientSampleId :
VSTD20067

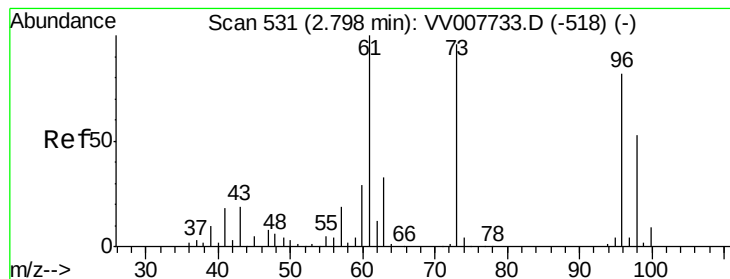
Tgt Ion: 43 Resp: 262559
Ion Ratio Lower Upper
43 100
74 27.6 22.2 33.2



#16
Methylene chloride
Concen: 189.542 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV007735.D
Acq: 22 Sep 2018 15:14

Tgt Ion: 84 Resp: 281275
Ion Ratio Lower Upper
84 100
86 64.3 45.4 84.4
49 104.7 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 195.438 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

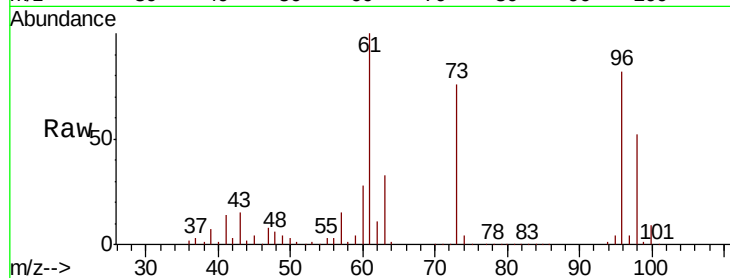
Tgt Ion: 96 Resp: 286791

Ion Ratio Lower Upper

96 100

61 121.7 84.9 157.7

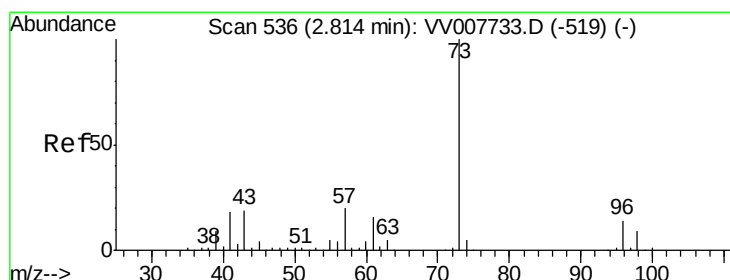
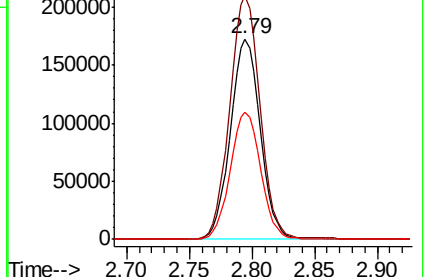
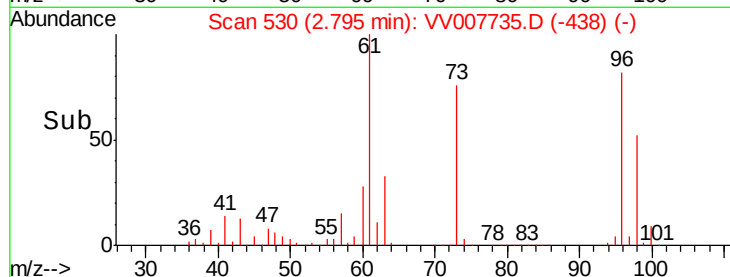
98 63.7 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV007735.D (-438) (-)

Ion 61.00 (60.70 to 61.70): VV007735.D (-438) (-)

Ion 98.00 (97.70 to 98.70): VV007735.D (-438) (-)



#18

Methyl tert-butyl Ether

Concen: 195.597 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

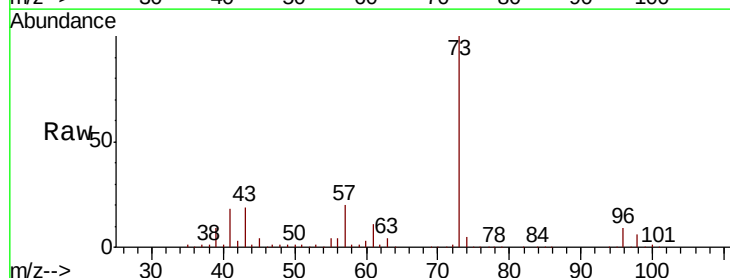
Tgt Ion: 73 Resp: 878278

Ion Ratio Lower Upper

73 100

43 18.8 15.0 22.6

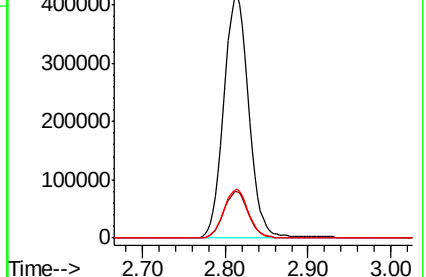
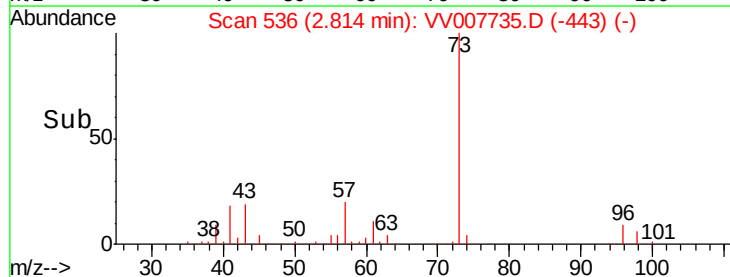
57 19.7 15.8 23.8

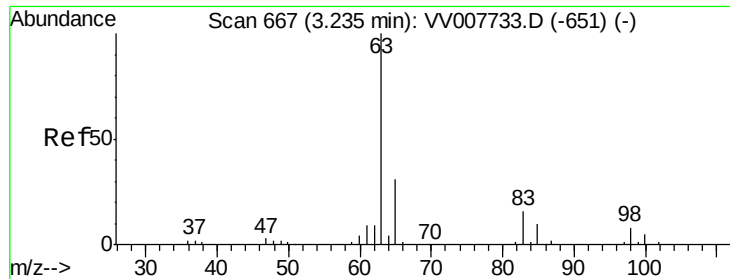


Abundance Ion 73.00 (72.70 to 73.70): VV007735.D (-443) (-)

Ion 43.00 (42.70 to 43.70): VV007735.D (-443) (-)

Ion 57.00 (56.70 to 57.70): VV007735.D (-443) (-)

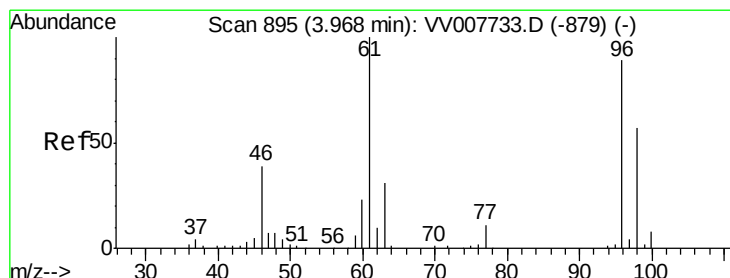
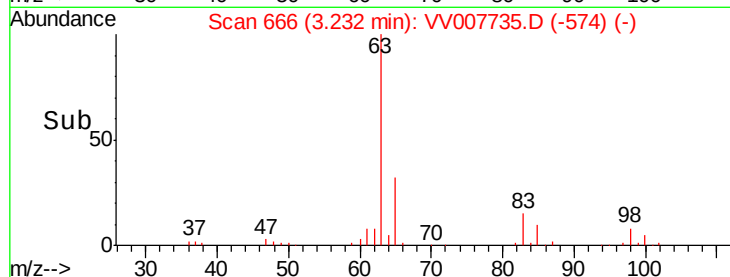
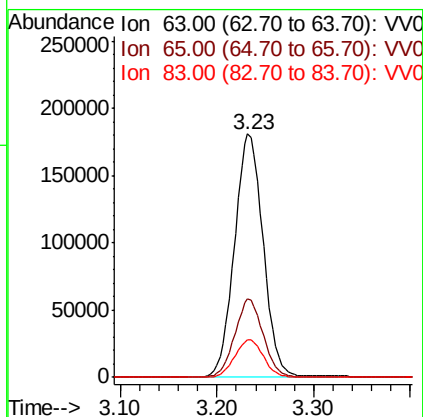
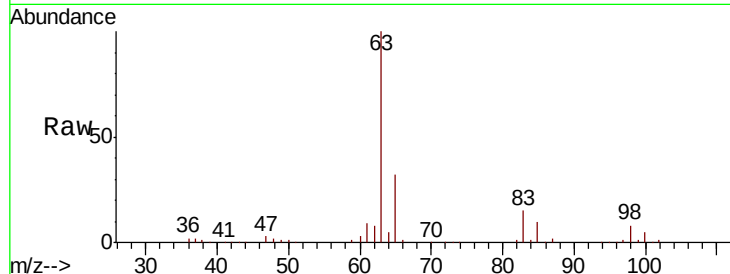




#19
 1,1-Dichloroethane
 Concen: 196.253 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV007735.D
 Acq: 22 Sep 2018 15:14

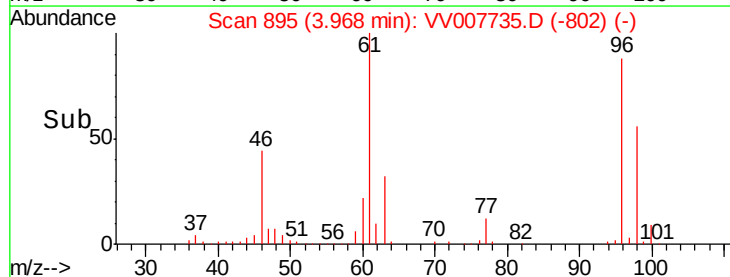
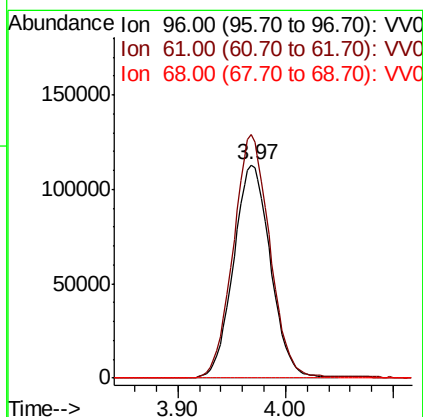
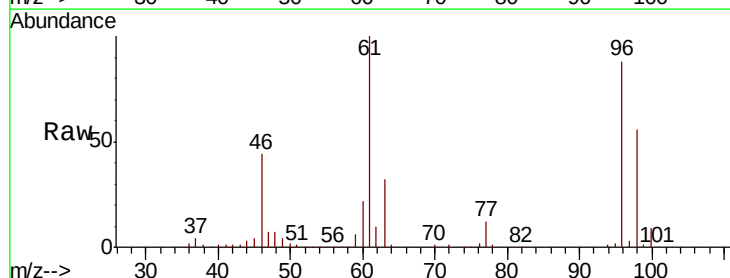
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20067

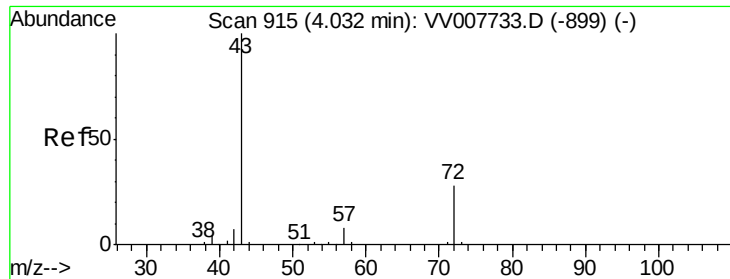
Tgt Ion: 63 Resp: 373974
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.6 40.2
 83 15.3 11.2 20.8



#20
 cis-1,2-Dichloroethene
 Concen: 201.414 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007735.D
 Acq: 22 Sep 2018 15:14

Tgt Ion: 96 Resp: 269986
 Ion Ratio Lower Upper
 96 100
 61 114.1 78.8 146.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 407.045 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampled :

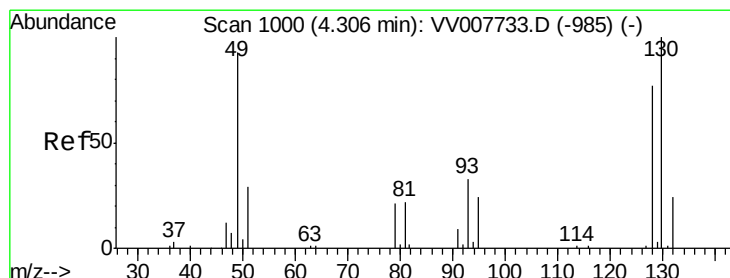
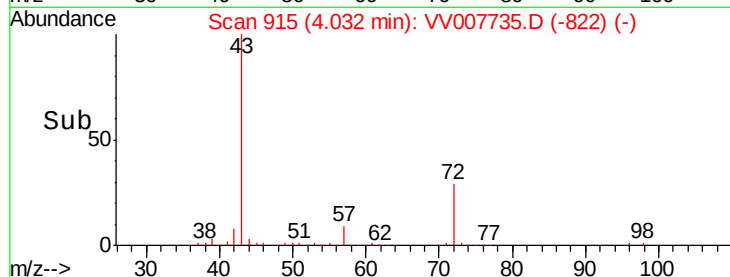
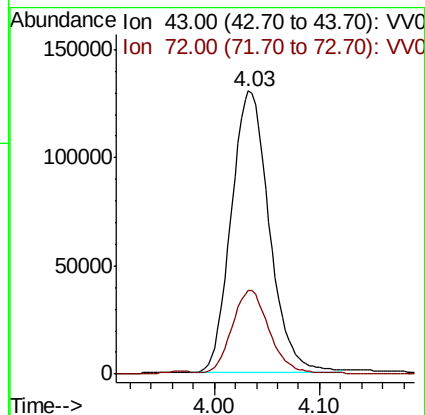
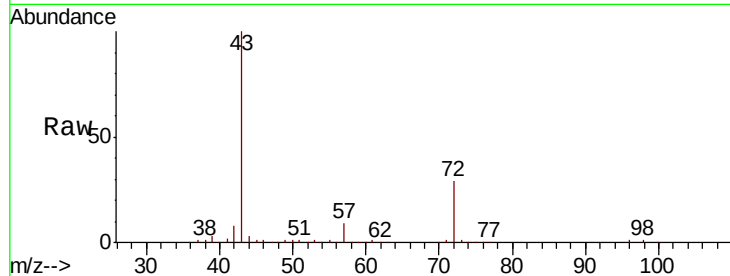
VSTD20067

Tgt Ion: 43 Resp: 326748

Ion Ratio Lower Upper

43 100

72 28.8 14.2 42.6



#23

Bromochloromethane

Concen: 205.136 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Tgt Ion: 128 Resp: 150470

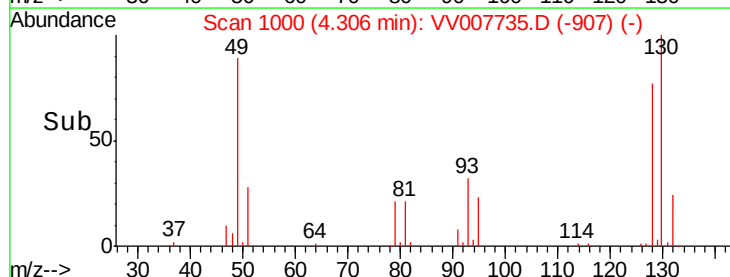
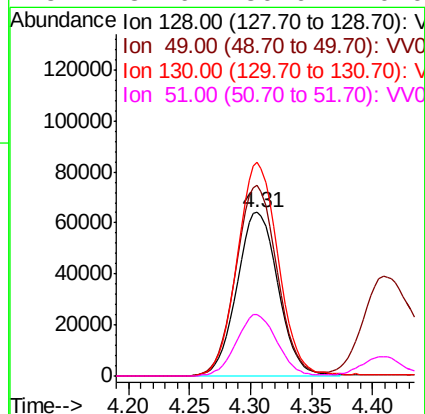
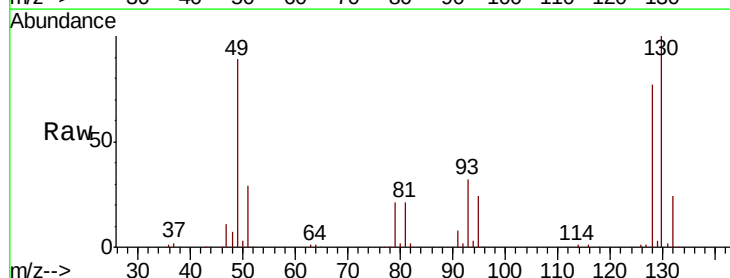
Ion Ratio Lower Upper

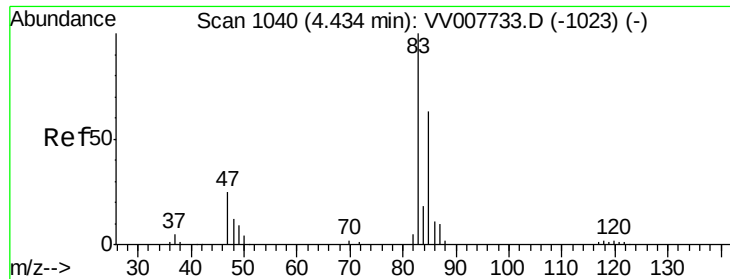
128 100

49 116.2 84.8 157.4

130 130.4 90.9 168.9

51 37.6 30.6 46.0

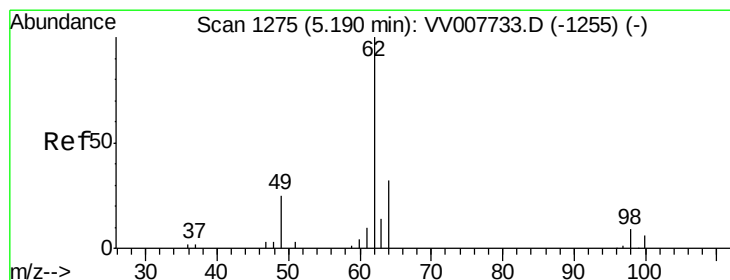
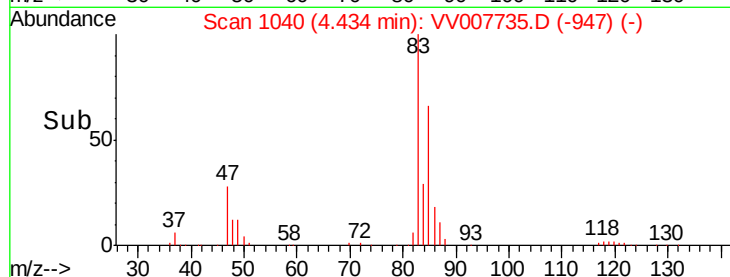
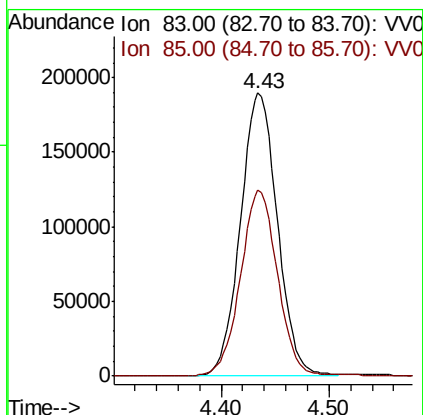
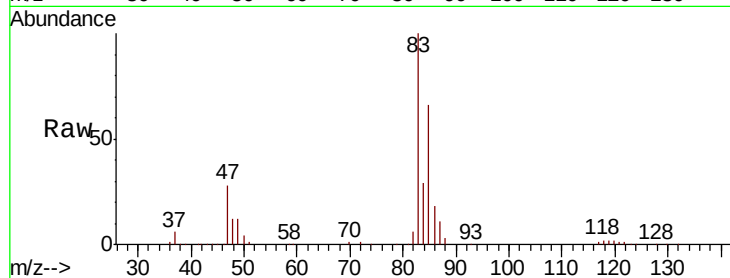




#25
Chloroform
Concen: 187.825 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV007735.D
Acq: 22 Sep 2018 15:14

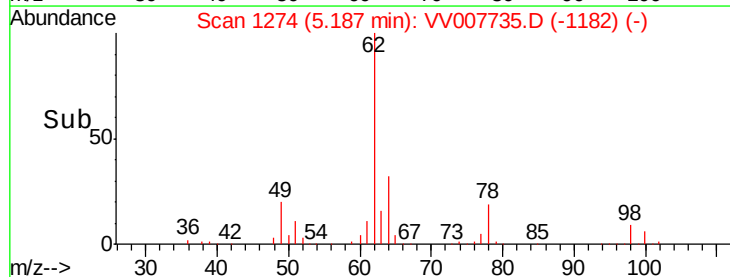
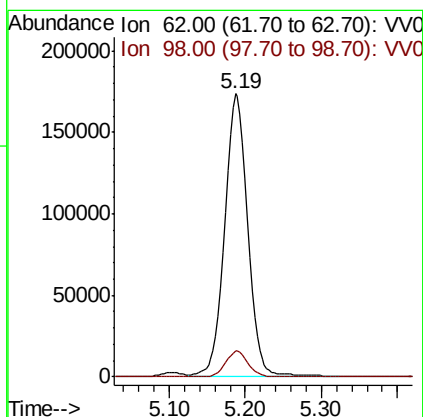
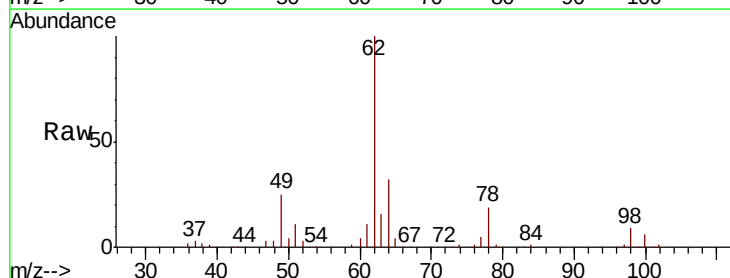
Instrument :
MSVOA_V
ClientSampleId :
VSTD20067

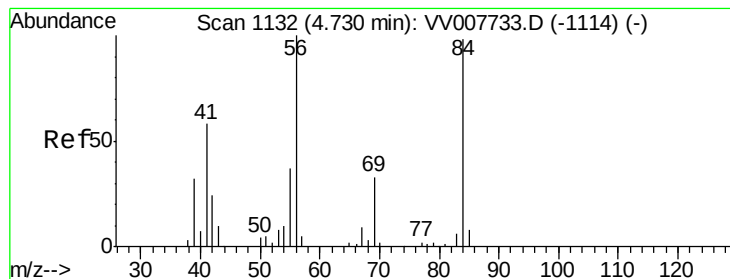
Tgt Ion: 83 Resp: 451814
Ion Ratio Lower Upper
83 100
85 65.6 44.0 81.8



#27
1,2-Dichloroethane
Concen: 203.714 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007735.D
Acq: 22 Sep 2018 15:14

Tgt Ion: 62 Resp: 368351
Ion Ratio Lower Upper
62 100
98 9.2 7.5 11.3





#29

Cyclohexane

Concen: 190.593 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

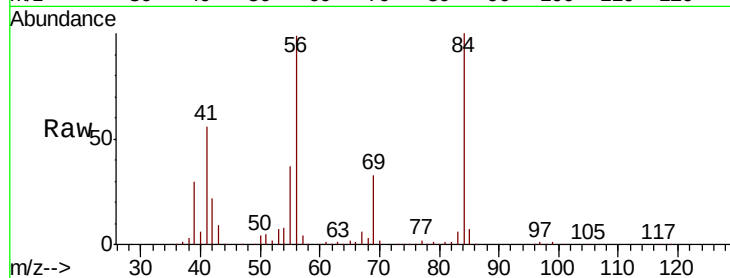
Tgt Ion: 56 Resp: 340162

Ion Ratio Lower Upper

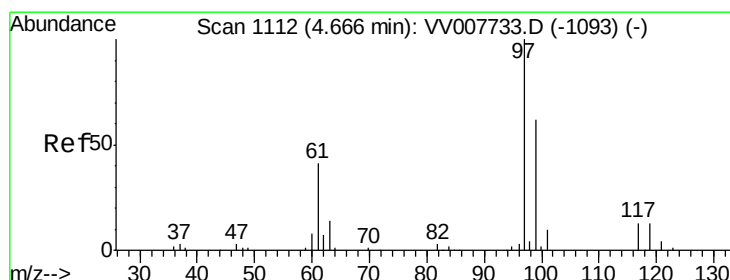
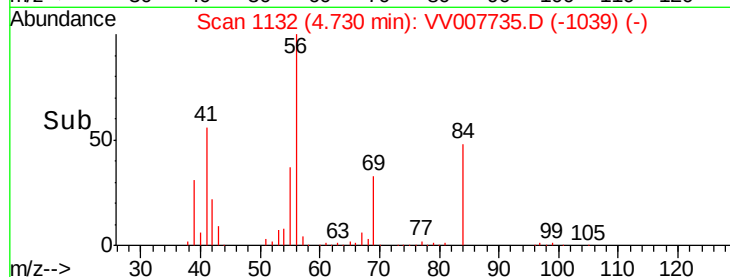
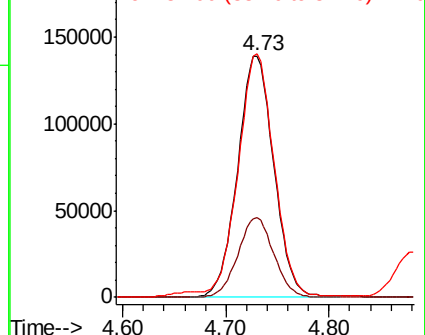
56 100

69 32.7 26.1 39.1

84 99.5 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: 196.488 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

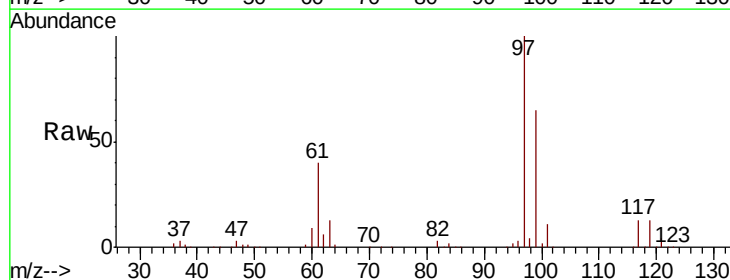
Tgt Ion: 97 Resp: 429219

Ion Ratio Lower Upper

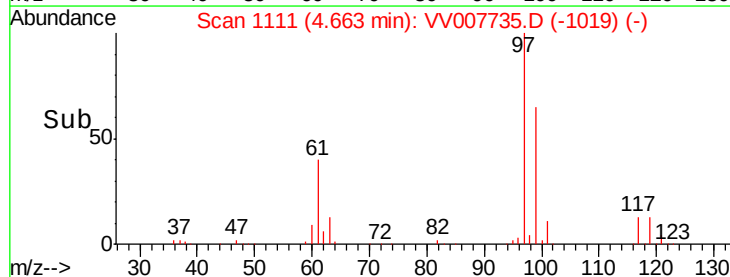
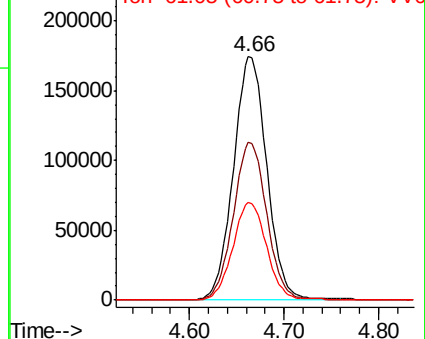
97 100

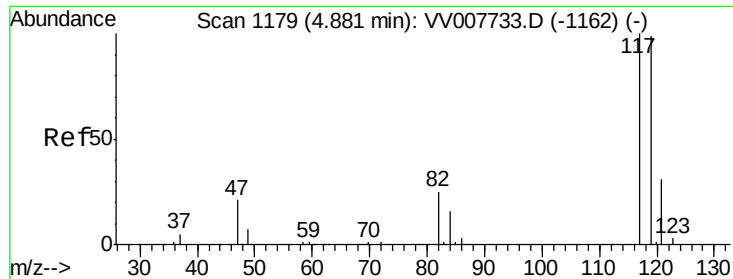
99 64.6 51.8 77.8

61 40.3 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: 208.950 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

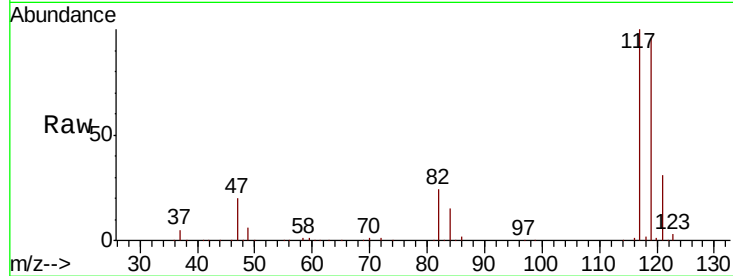
VSTD20067

Tgt Ion:117 Resp: 406907

Ion Ratio Lower Upper

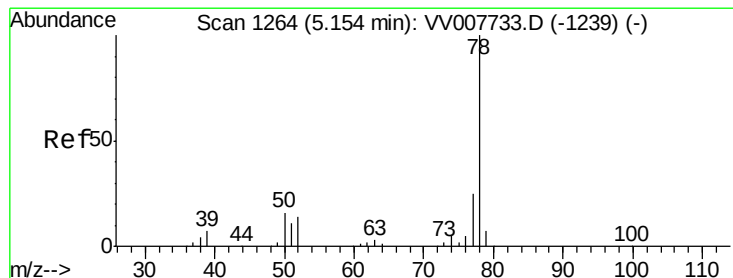
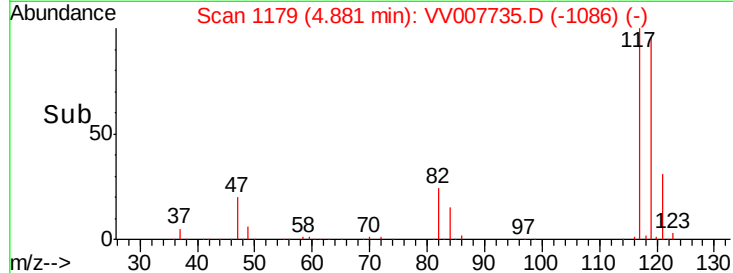
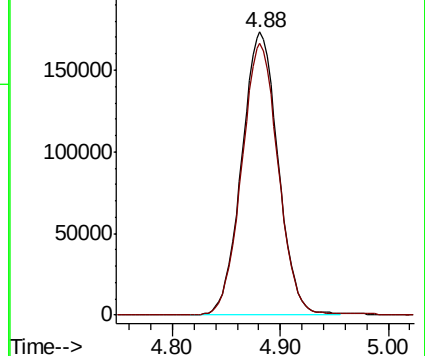
117 100

119 96.1 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: 193.539 ug/L

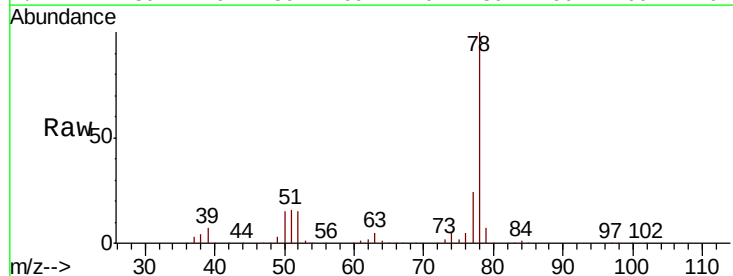
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

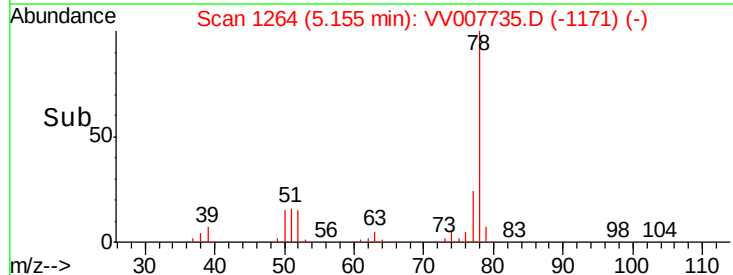
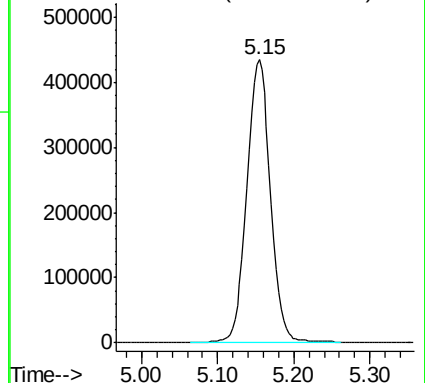
Lab File: VV007735.D

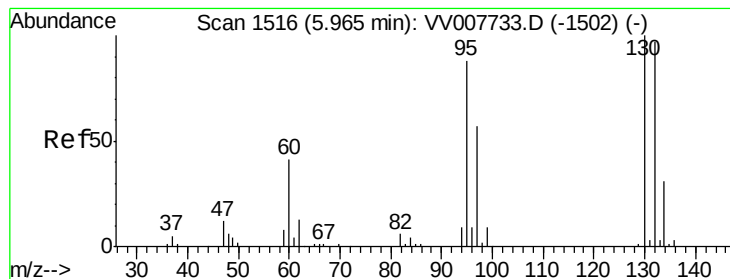
Acq: 22 Sep 2018 15:14

Tgt Ion: 78 Resp: 941364



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 196.043 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

Tgt Ion: 95 Resp: 274172

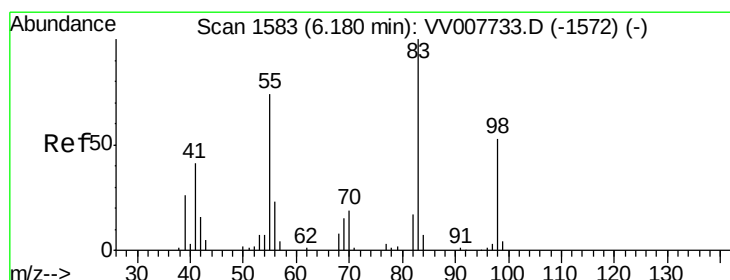
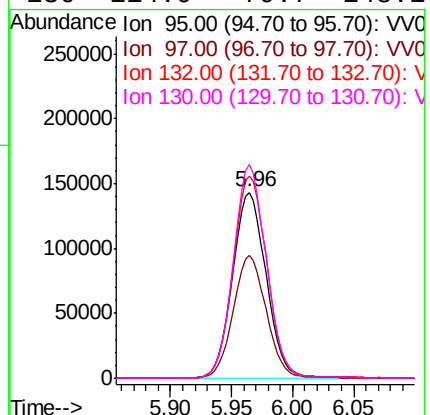
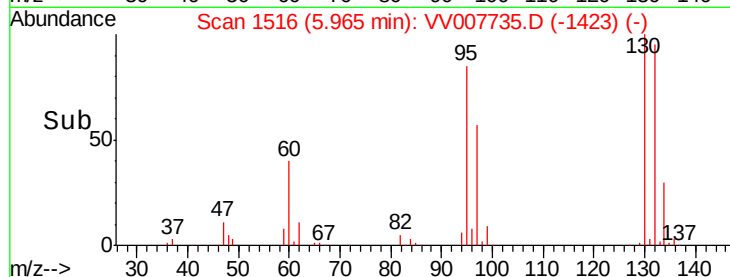
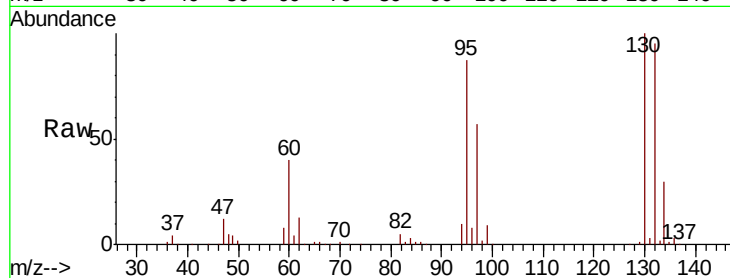
Ion Ratio Lower Upper

95 100

97 66.0 45.2 84.0

132 108.9 77.7 144.3

130 114.9 79.7 148.1



#35

Methylcyclohexane

Concen: 197.907 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

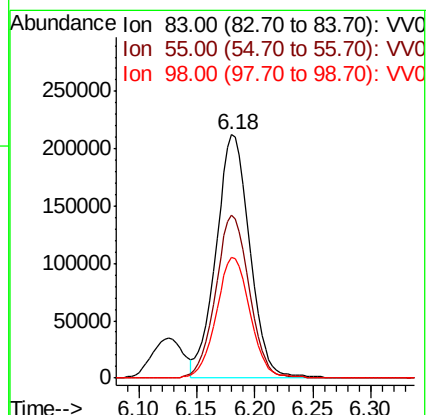
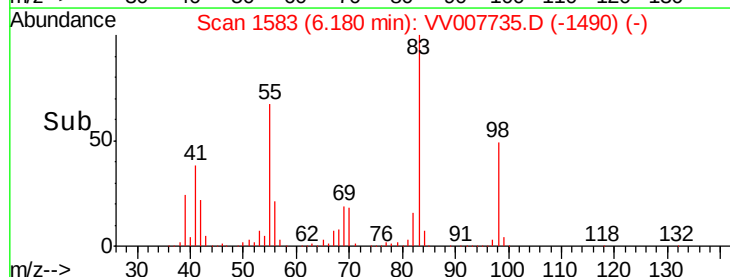
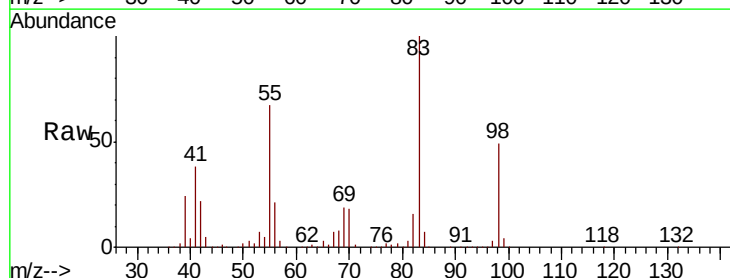
Tgt Ion: 83 Resp: 427460

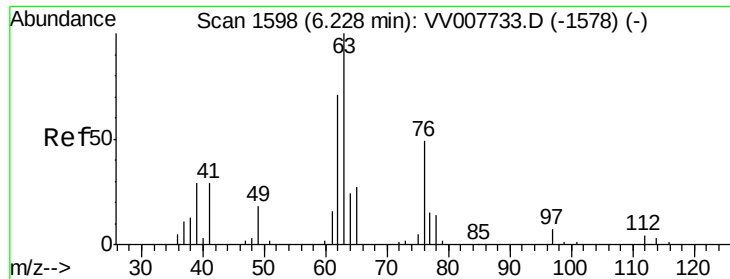
Ion Ratio Lower Upper

83 100

55 67.1 54.6 82.0

98 50.5 39.0 58.6

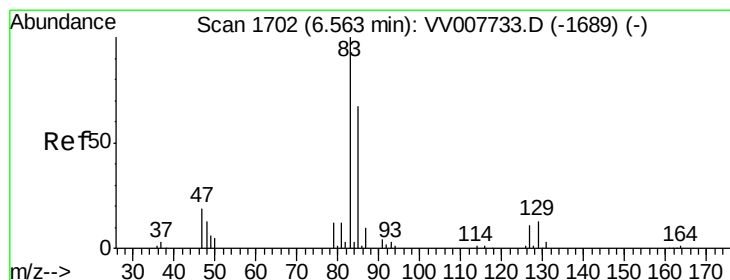
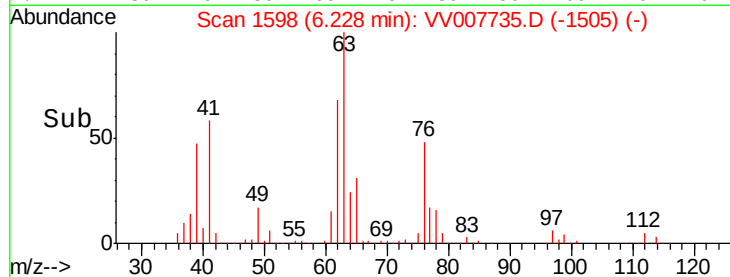
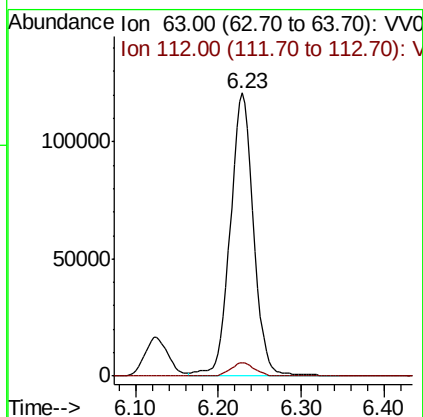
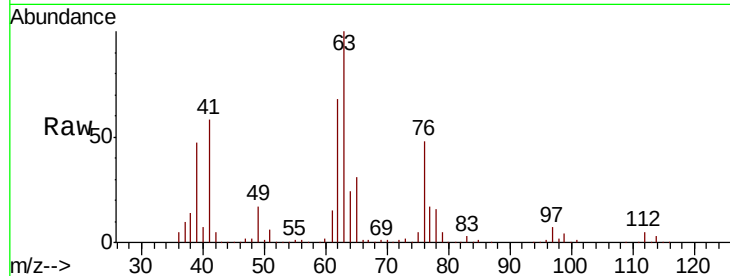




#37
 1,2-Dichloropropane
 Concen: 193.085 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007735.D
 Acq: 22 Sep 2018 15:14

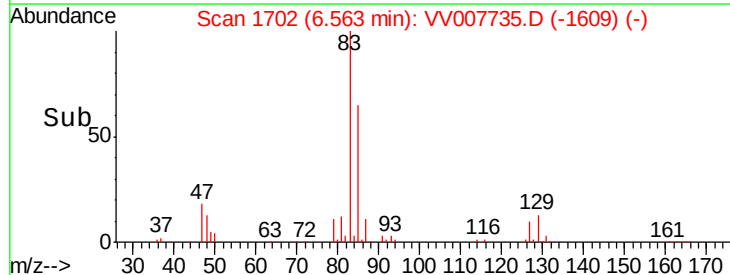
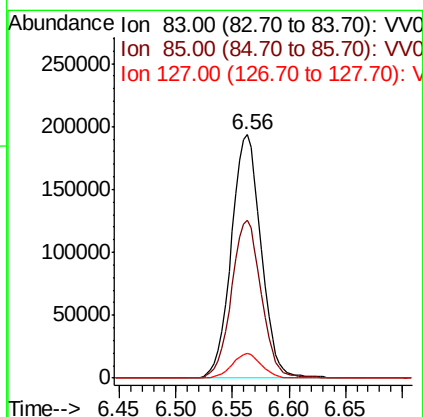
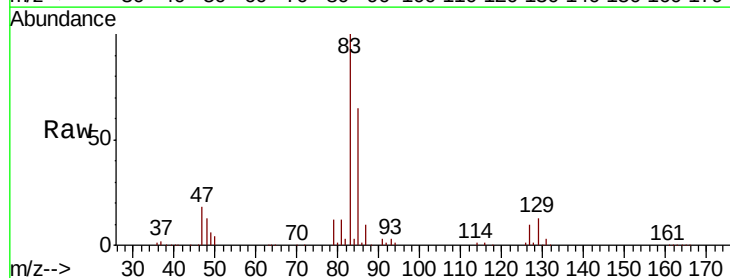
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20067

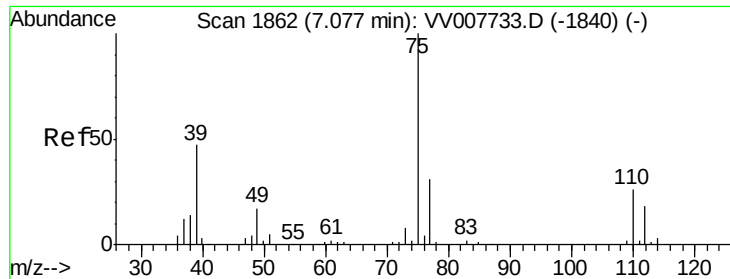
Tgt Ion: 63 Resp: 236238
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.6



#38
 Bromodichloromethane
 Concen: 213.905 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007735.D
 Acq: 22 Sep 2018 15:14

Tgt Ion: 83 Resp: 354895
 Ion Ratio Lower Upper
 83 100
 85 64.9 46.6 86.6
 127 10.0 8.7 13.1

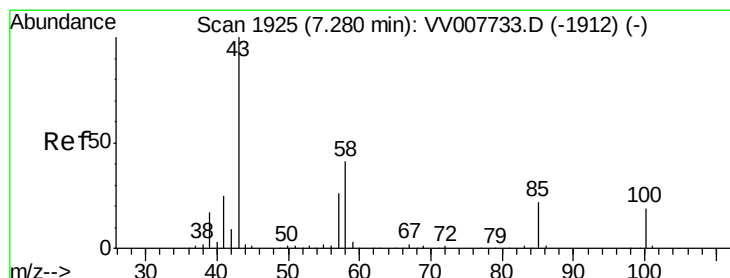
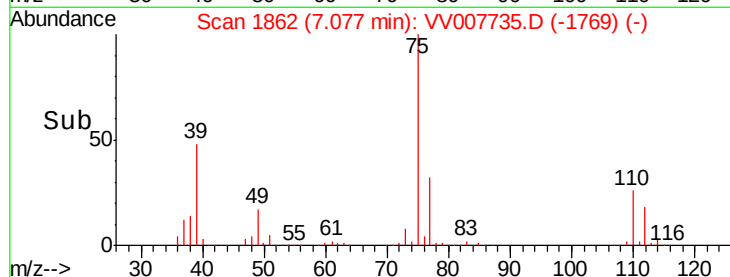
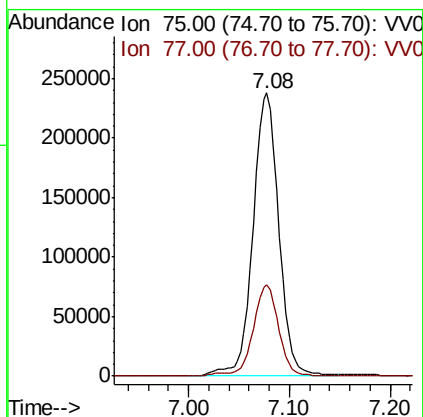
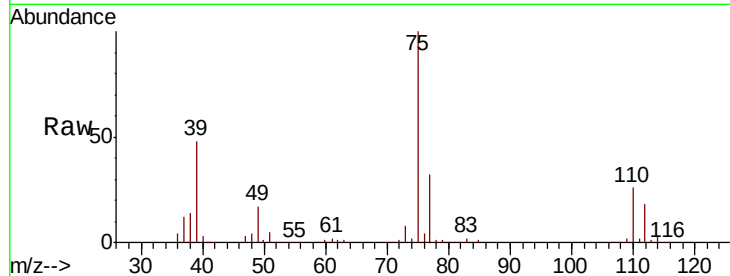




#39
 cis-1,3-Dichloropropene
 Concen: 221.134 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007735.D
 Acq: 22 Sep 2018 15:14

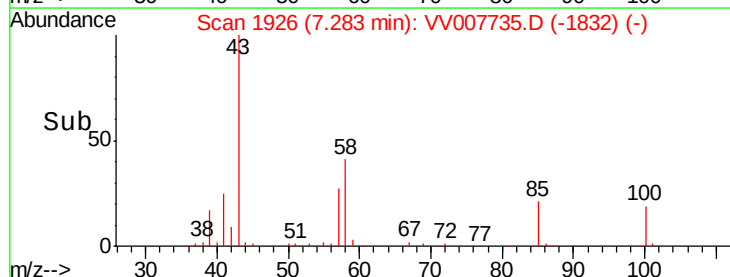
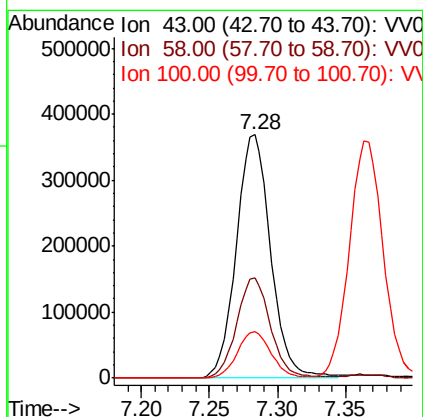
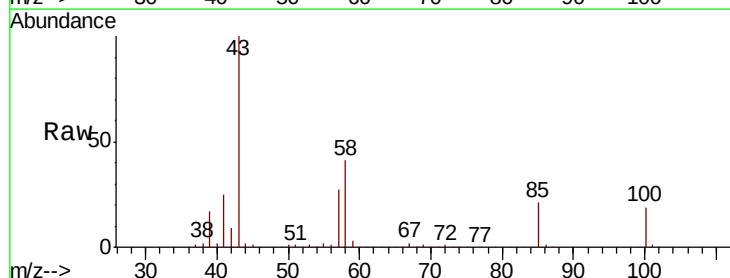
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20067

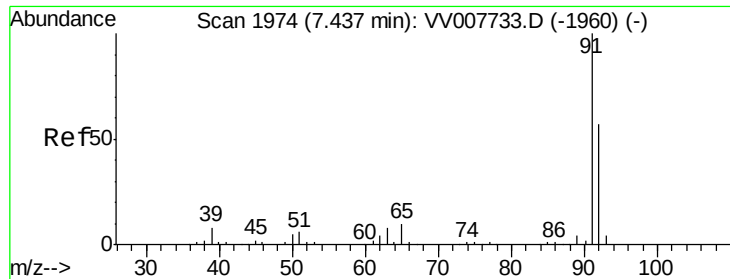
Tgt Ion: 75 Resp: 419878
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 395.464 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV007735.D
 Acq: 22 Sep 2018 15:14

Tgt Ion: 43 Resp: 646550
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.5 47.3
 100 18.8 14.7 22.1





#42

Toluene

Concen: 200.505 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

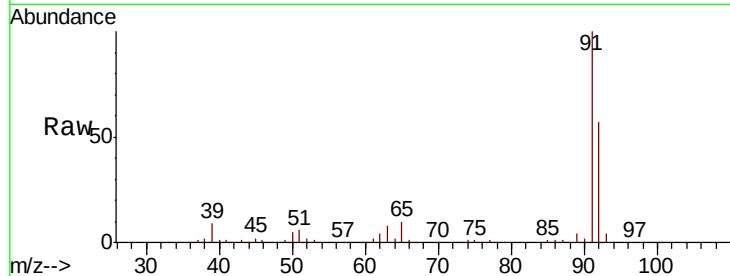
VSTD20067

Tgt Ion: 91 Resp: 1139536

Ion Ratio Lower Upper

91 100

92 57.3 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VV007735.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV007735.D (-1960) (-)

7.44

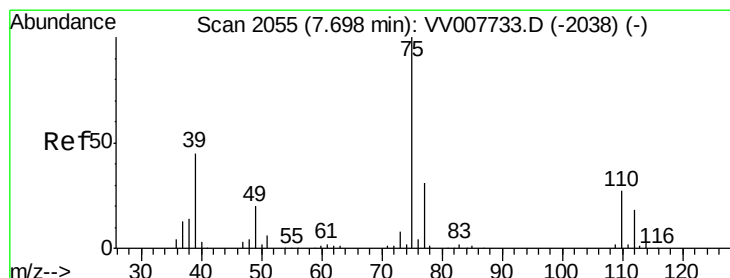
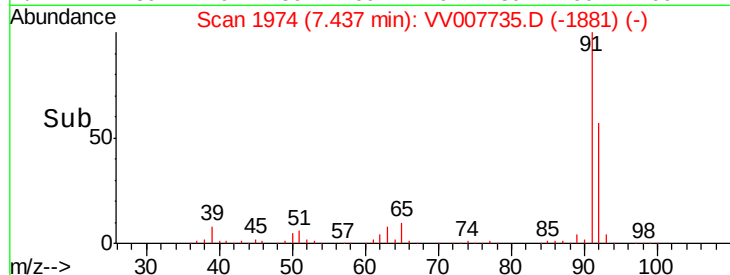
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 230.899 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007735.D

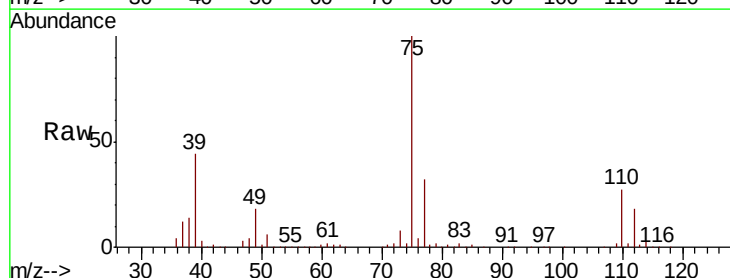
Acq: 22 Sep 2018 15:14

Tgt Ion: 75 Resp: 415209

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV007735.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV007735.D (-2038) (-)

7.70

250000

200000

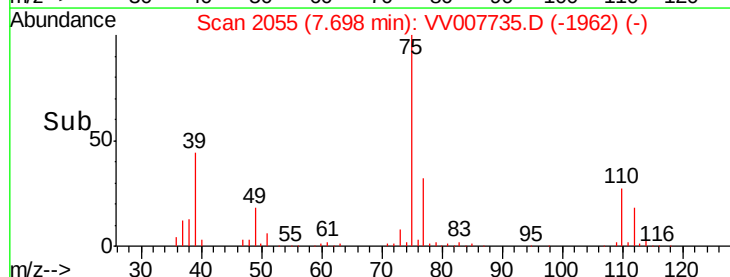
150000

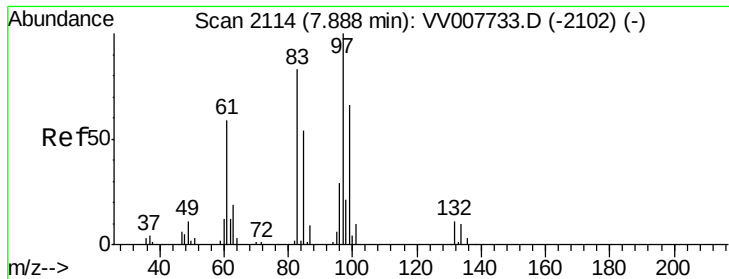
100000

50000

0

Time-->

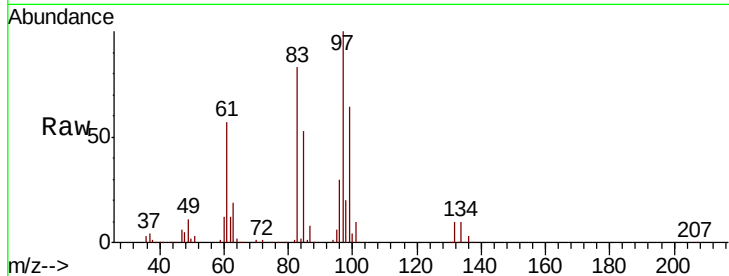




#45
 1,1,2-Trichloroethane
 Concen: 196.766 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV007735.D
 Acq: 22 Sep 2018 15:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20067

Tgt Ion:	97	Resp:	269092
Ion	Ratio	Lower	Upper
97	100		
99	63.5	45.8	85.2
83	82.5	58.2	108.0
85	53.3	38.0	70.6



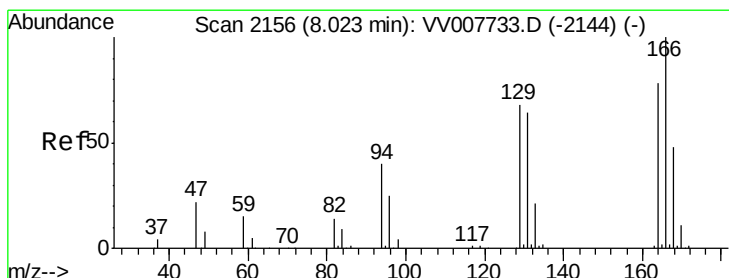
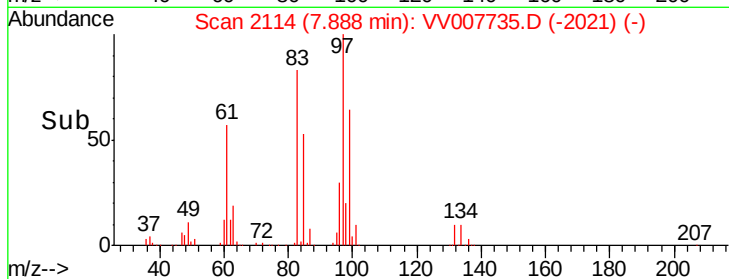
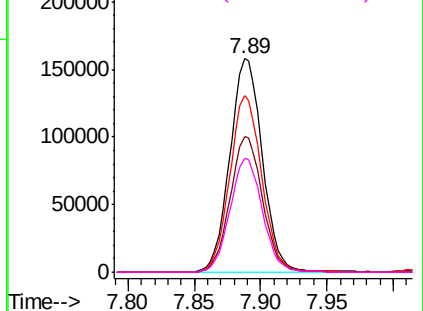
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

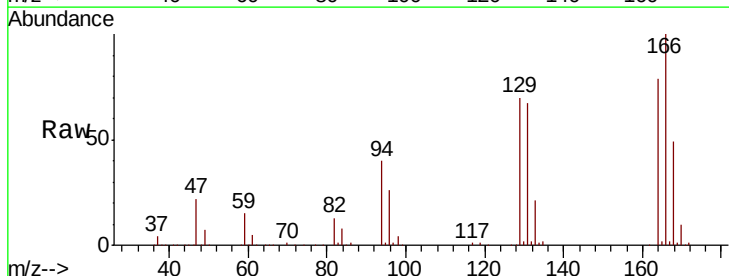
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 196.404 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007735.D
 Acq: 22 Sep 2018 15:14

Tgt Ion:	164	Resp:	281919
Ion	Ratio	Lower	Upper
164	100		
129	88.4	61.0	113.4
131	85.0	57.8	107.4
166	127.1	89.9	167.0



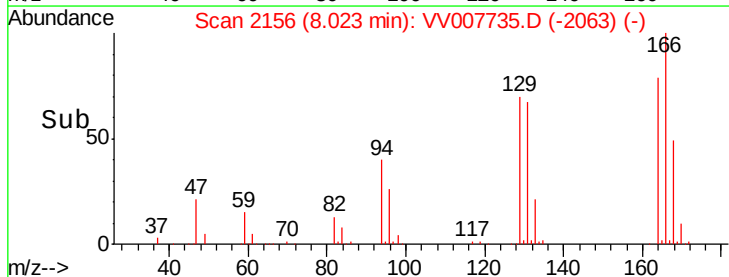
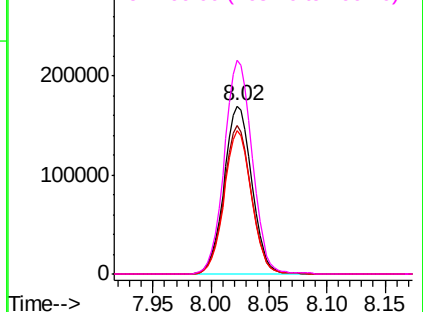
Abundance

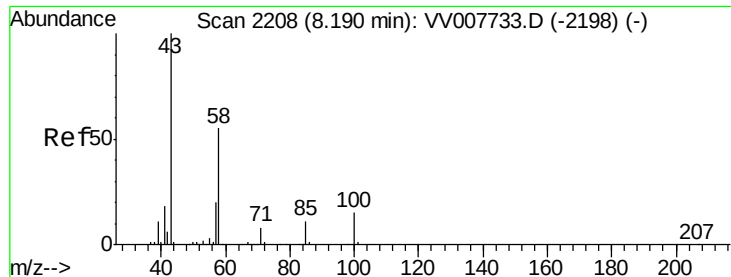
Ion 164.00 (163.70 to 164.70): V

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

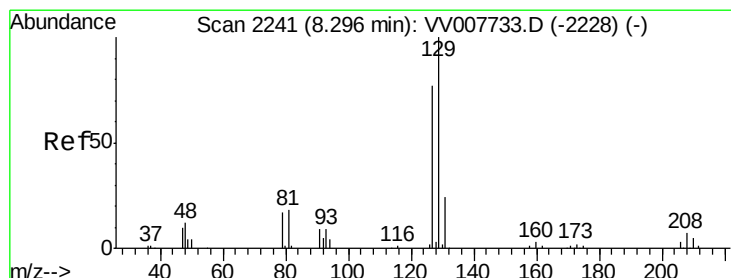
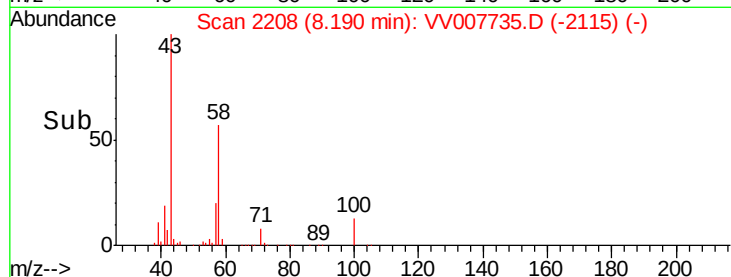
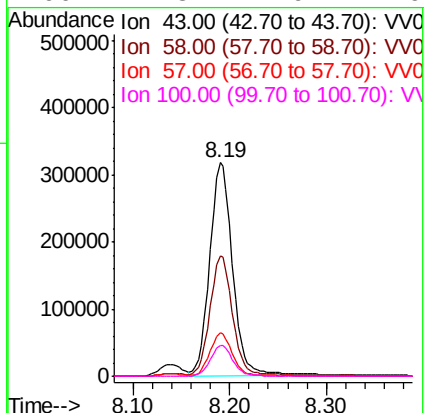
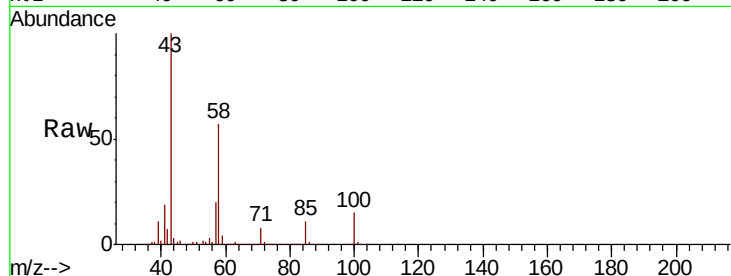




#48
2-Hexanone
Concen: 408.024 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV007735.D
Acq: 22 Sep 2018 15:14

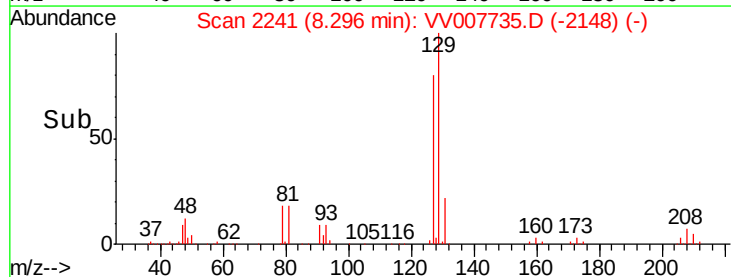
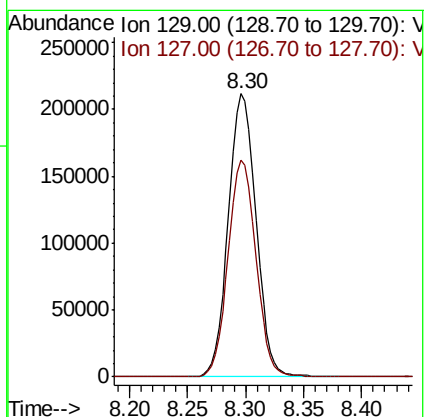
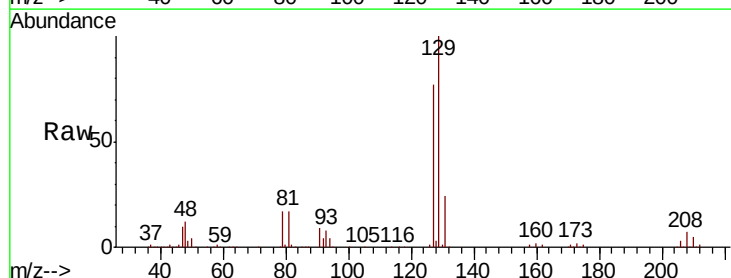
Instrument :
MSVOA_V
ClientSampleId :
VSTD20067

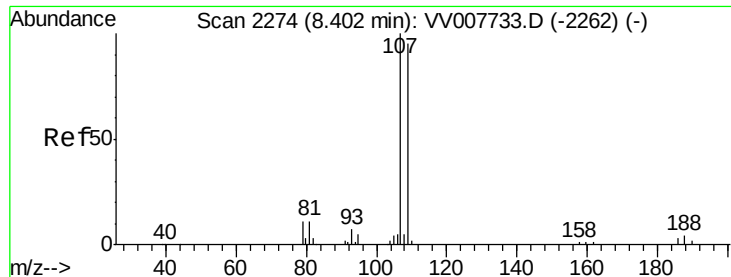
Tgt Ion:	43	Resp:	521790
Ion	Ratio	Lower	Upper
43	100		
58	55.3	41.4	62.0
57	19.5	16.0	24.0
100	14.3	11.9	17.9



#49
Dibromochloromethane
Concen: 227.838 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007735.D
Acq: 22 Sep 2018 15:14

Tgt Ion:	129	Resp:	352159
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.0	100.2

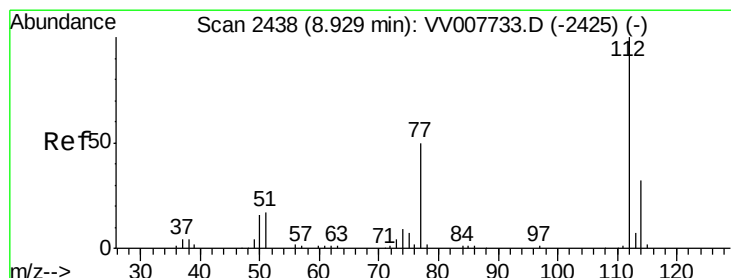
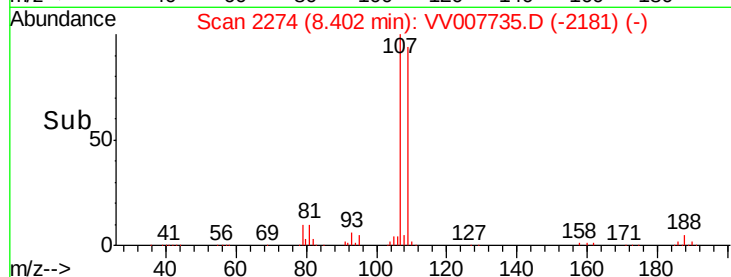
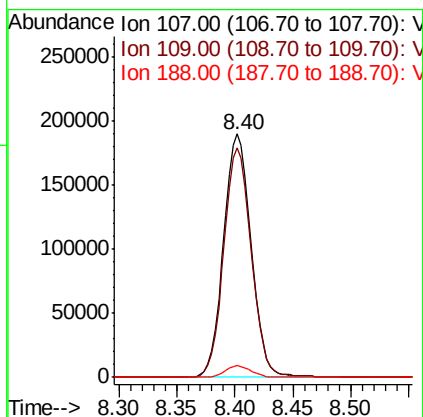
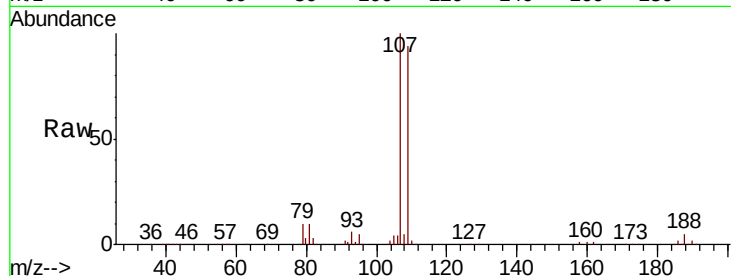




#50
1,2-Dibromoethane
Concen: 207.328 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007735.D
Acq: 22 Sep 2018 15:14

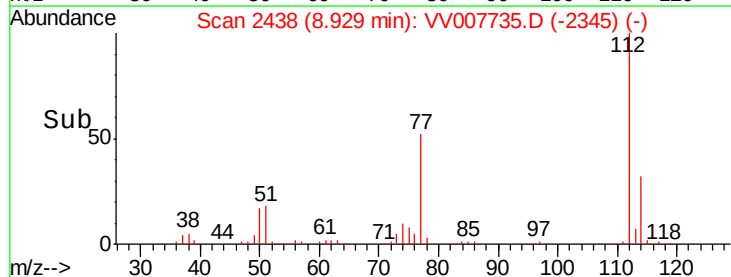
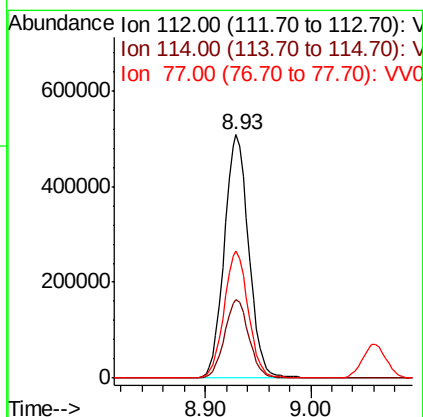
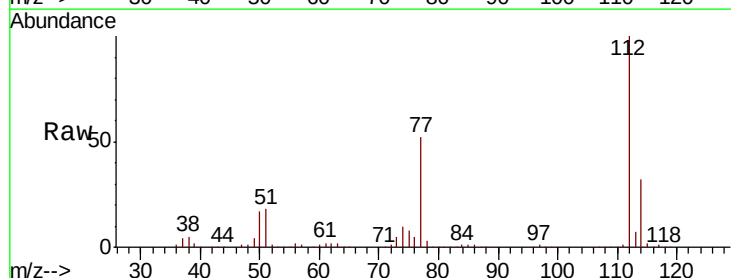
Instrument :
MSVOA_V
ClientSampleId :
VSTD20067

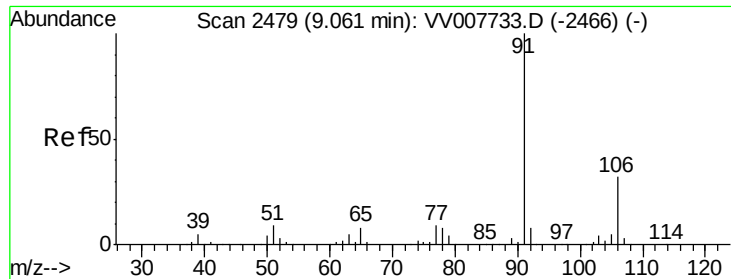
Tgt Ion:107 Resp: 311269
Ion Ratio Lower Upper
107 100
109 94.4 66.4 123.2
188 4.7 3.5 5.3



#51
Chlorobenzene
Concen: 199.120 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007735.D
Acq: 22 Sep 2018 15:14

Tgt Ion:112 Resp: 814948
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.3
77 52.1 40.6 60.8





#52

Ethylbenzene

Concen: 205.267 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

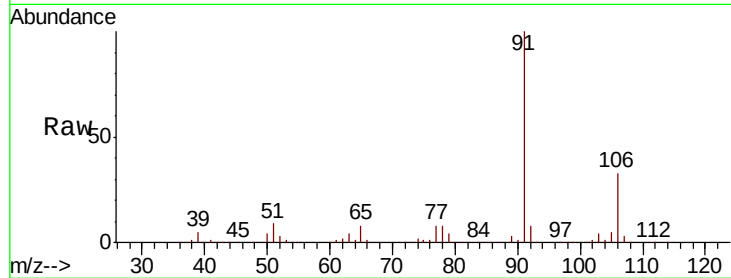
VSTD20067

Tgt Ion: 91 Resp: 1333366

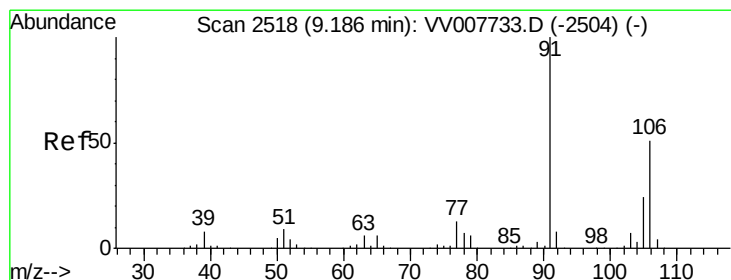
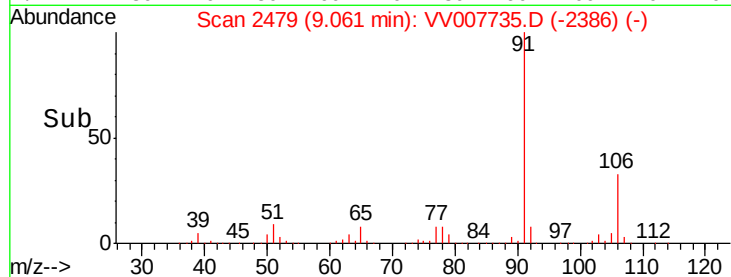
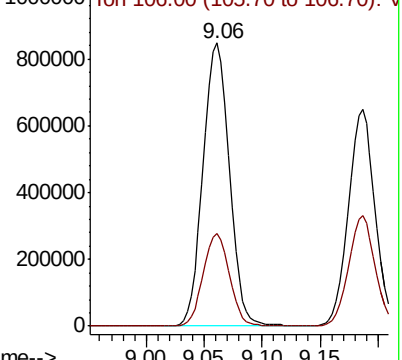
Ion Ratio Lower Upper

91 100

106 32.6 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VV007735.D (-2466) (-)



#53

m,p-Xylene

Concen: 207.146 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007735.D

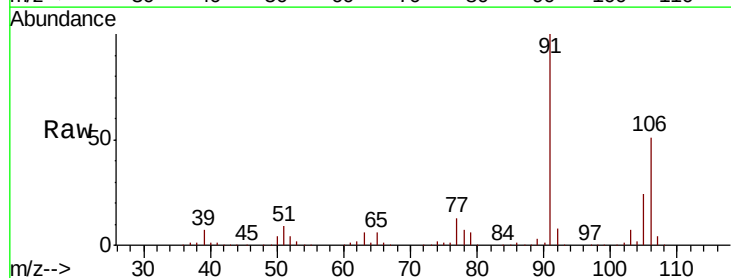
Acq: 22 Sep 2018 15:14

Tgt Ion: 106 Resp: 534605

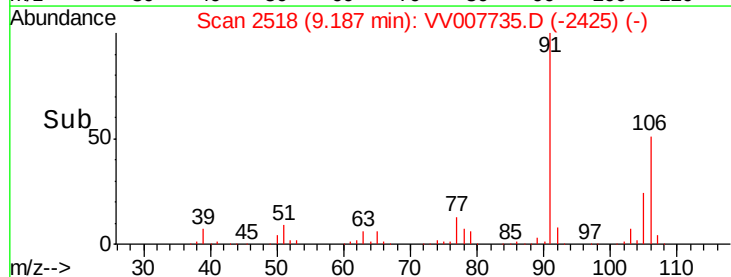
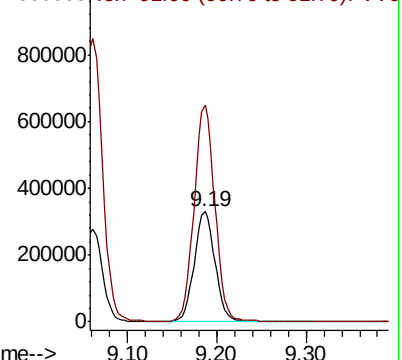
Ion Ratio Lower Upper

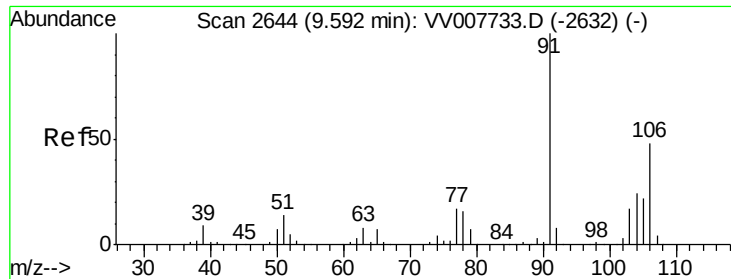
106 100

91 197.2 137.3 254.9



Abundance Ion 106.00 (105.70 to 106.70): VV007735.D (-2504) (-)





#54

o-xylene

Concen: 206.857 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

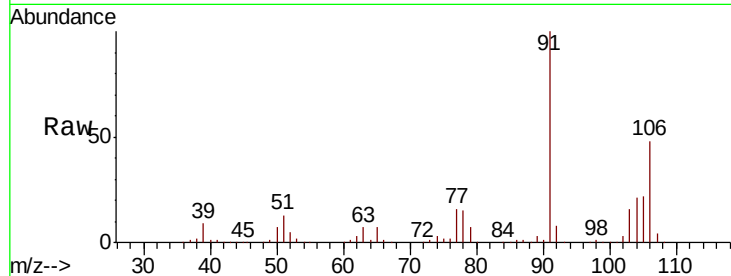
VSTD20067

Tgt Ion:106 Resp: 529943

Ion Ratio Lower Upper

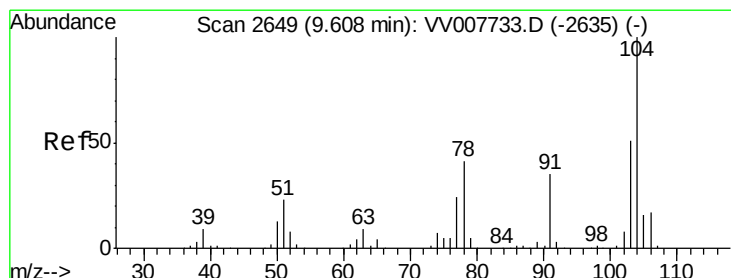
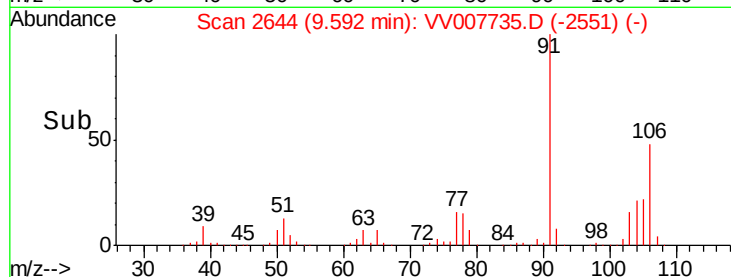
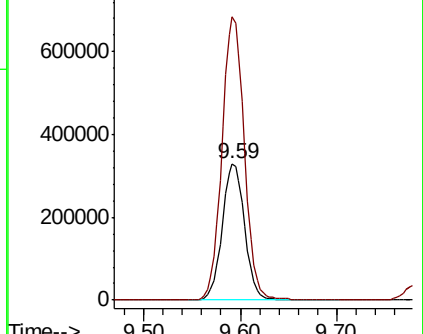
106 100

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: 215.604 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007735.D

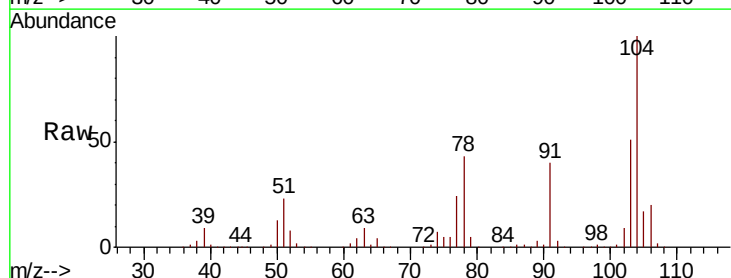
Acq: 22 Sep 2018 15:14

Tgt Ion:104 Resp: 935819

Ion Ratio Lower Upper

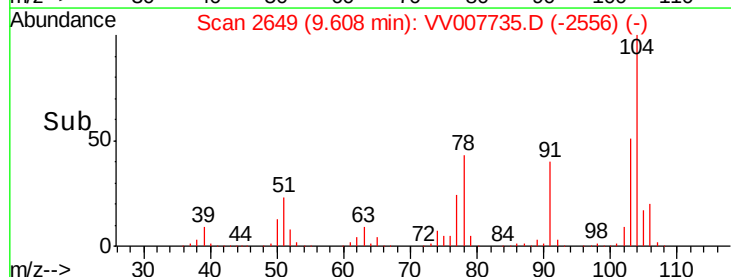
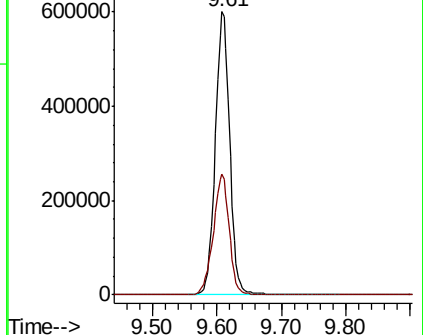
104 100

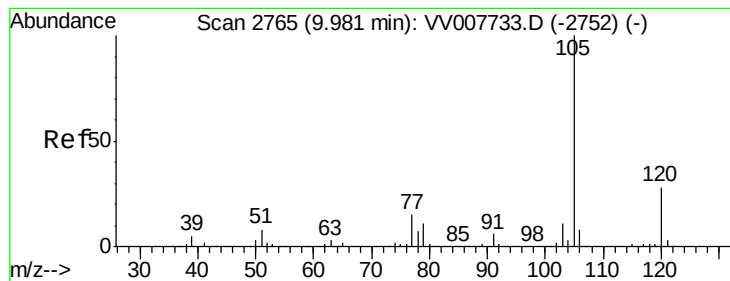
78 42.6 29.1 54.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 210.798 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

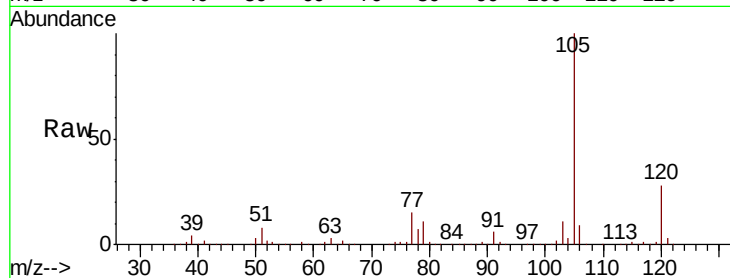
Tgt Ion:105 Resp: 1438234

Ion Ratio Lower Upper

105 100

120 27.8 22.0 33.0

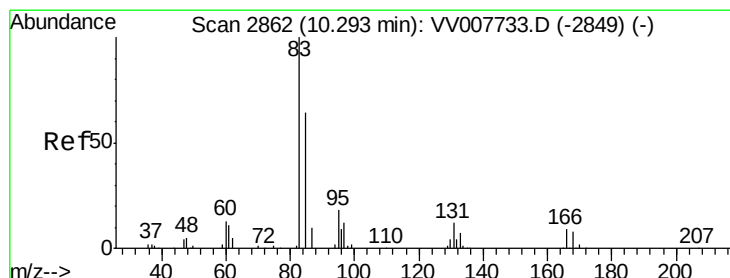
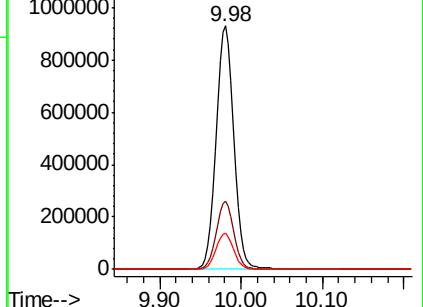
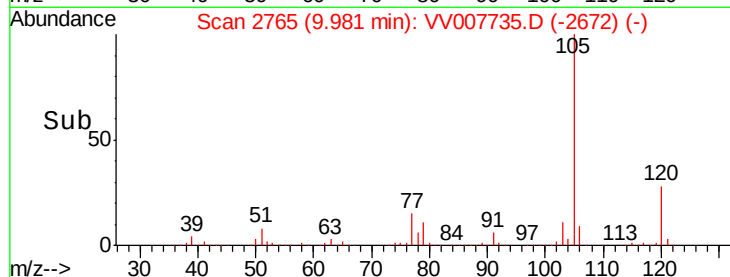
77 14.7 12.1 18.1



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: 193.825 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

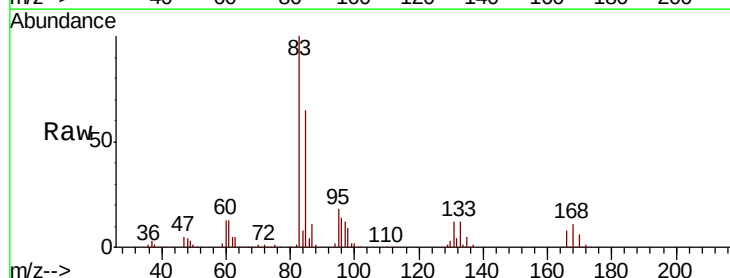
Tgt Ion: 83 Resp: 446329

Ion Ratio Lower Upper

83 100

85 65.0 45.4 84.4

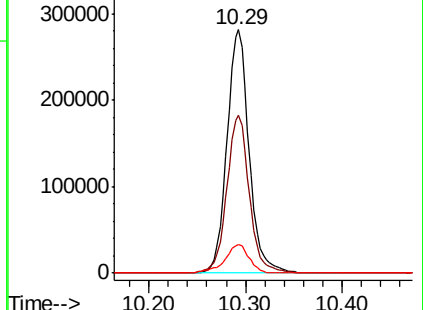
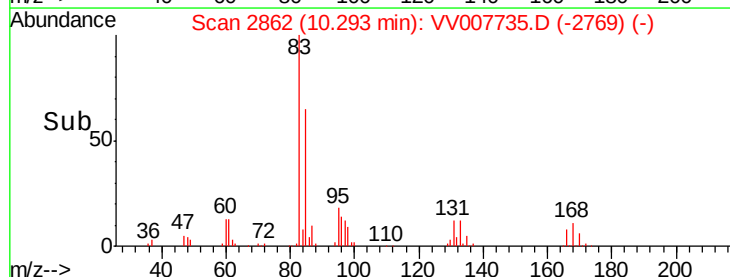
131 11.8 9.8 14.8

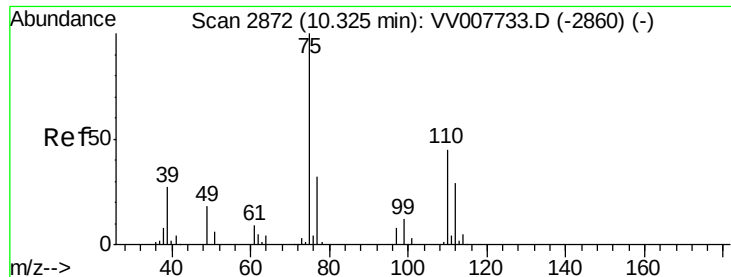


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 192.016 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

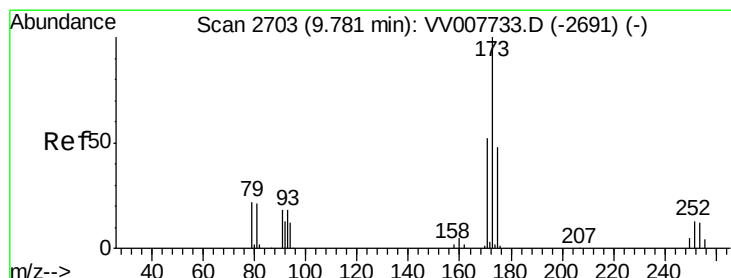
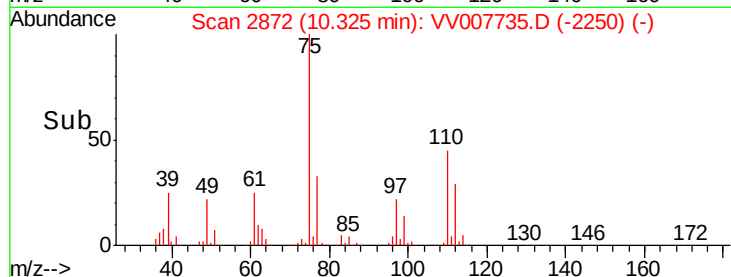
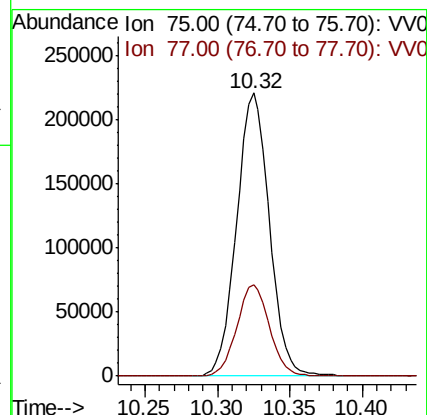
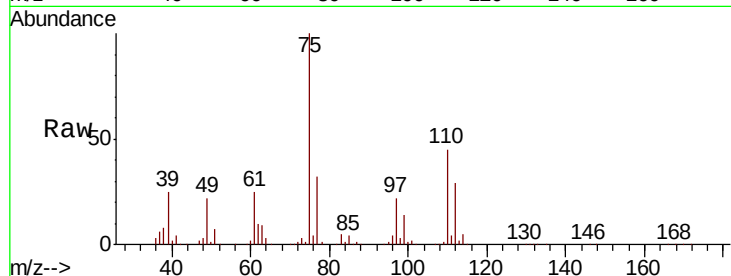
VSTD20067

Tgt Ion: 75 Resp: 346841

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4



#61

Bromoform

Concen: 232.682 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

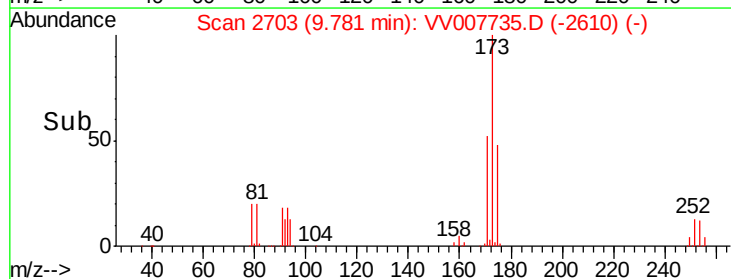
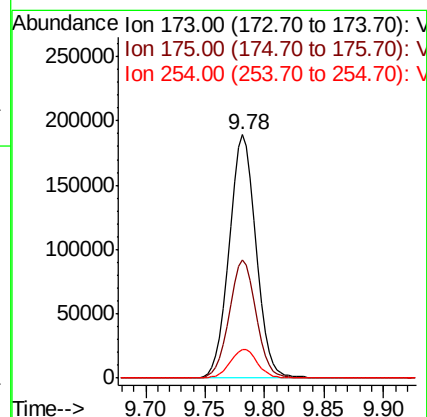
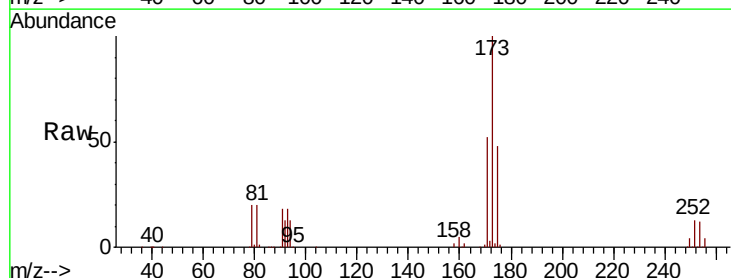
Tgt Ion: 173 Resp: 296086

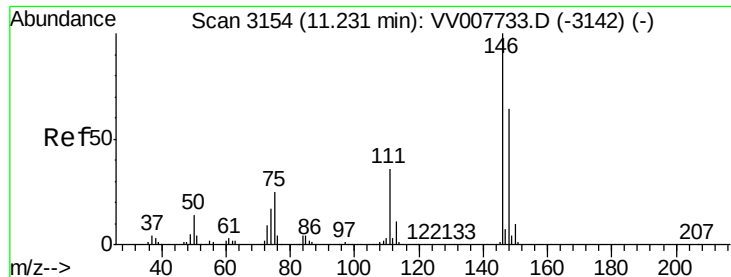
Ion Ratio Lower Upper

173 100

175 48.5 38.7 58.1

254 12.0 9.7 14.5





#62

1,3-Dichlorobenzene

Concen: 195.892 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

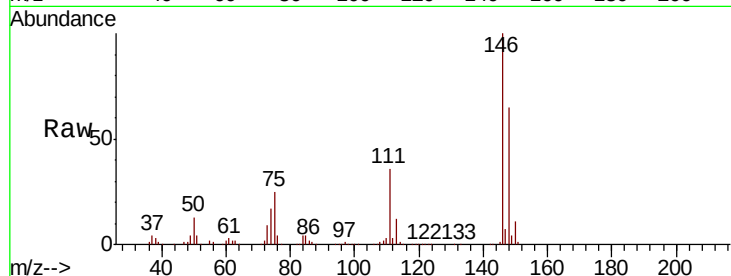
Tgt Ion:146 Resp: 751094

Ion Ratio Lower Upper

146 100

111 36.0 25.1 46.7

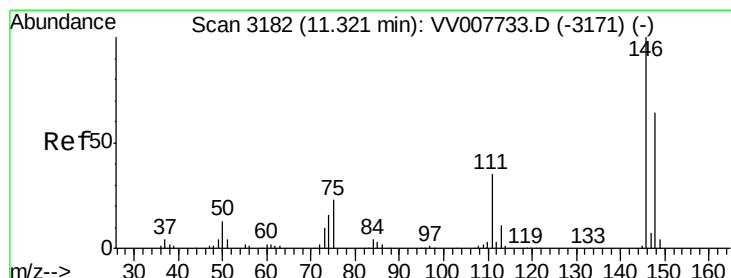
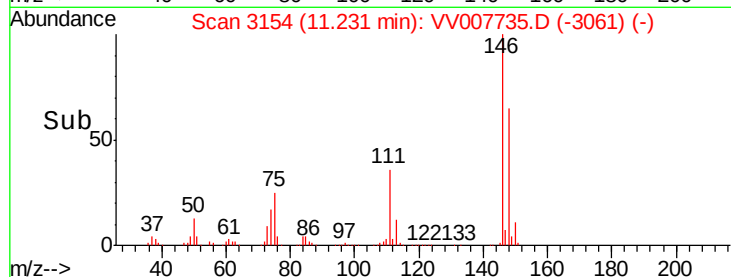
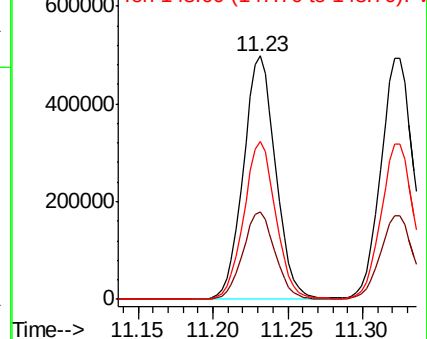
148 64.6 45.1 83.9



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: 195.295 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

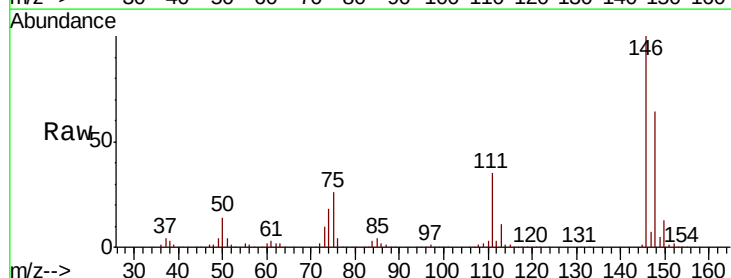
Tgt Ion:146 Resp: 763739

Ion Ratio Lower Upper

146 100

111 34.8 24.4 45.4

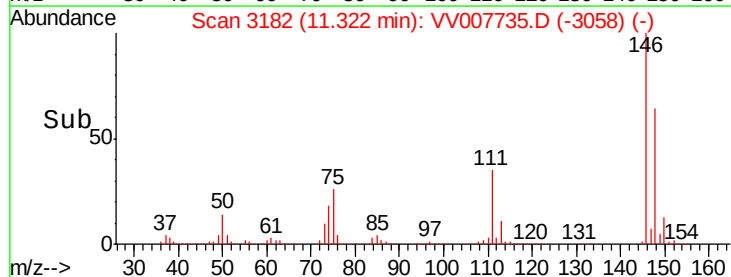
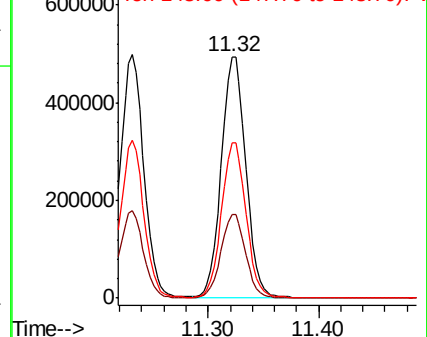
148 64.1 45.1 83.7

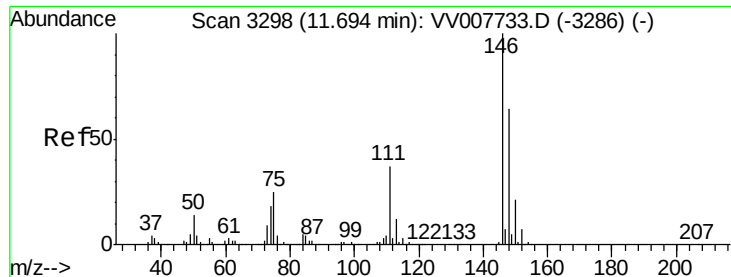


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 190.876 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

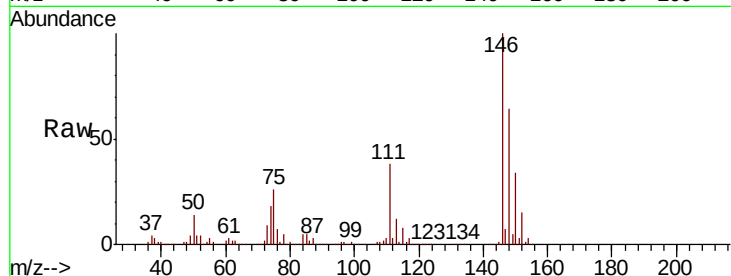
Tgt Ion:146 Resp: 761752

Ion Ratio Lower Upper

146 100

111 37.8 29.8 44.8

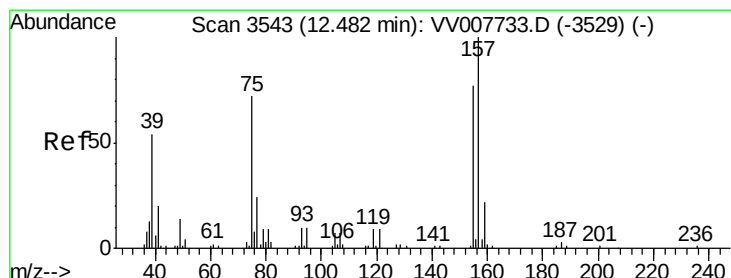
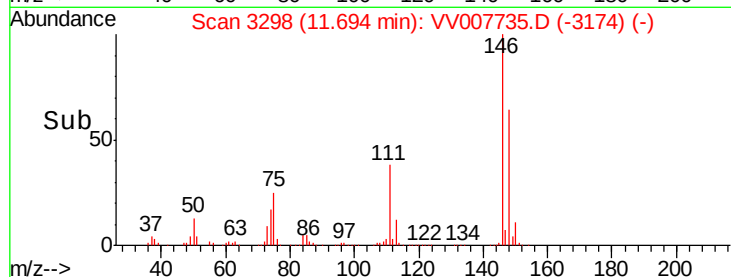
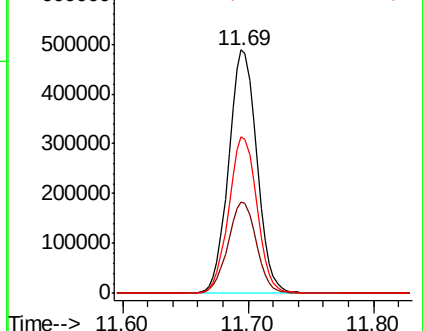
148 64.3 50.8 76.2



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: 228.710 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007735.D

Acq: 22 Sep 2018 15:14

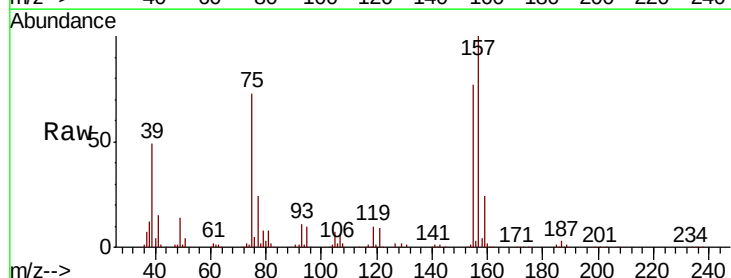
Tgt Ion: 75 Resp: 107741

Ion Ratio Lower Upper

75 100

155 105.0 86.0 129.0

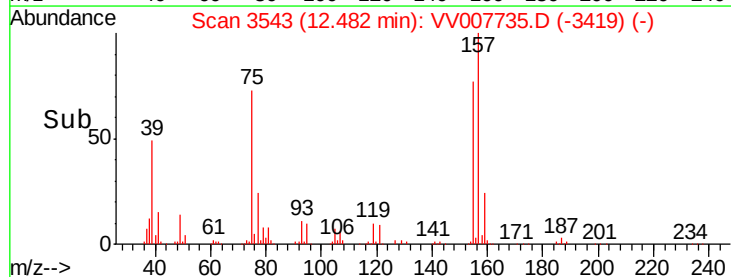
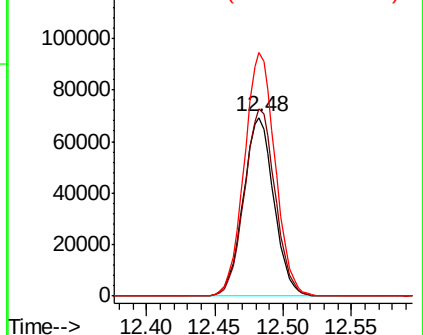
157 136.5 111.5 167.3

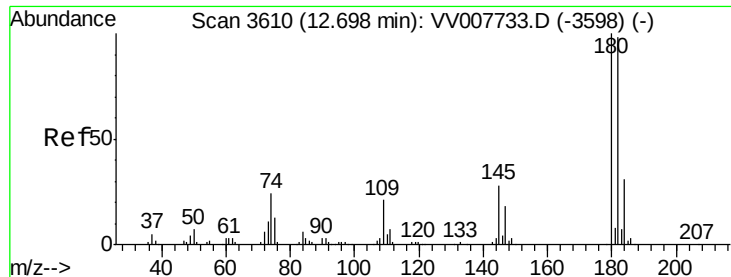


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

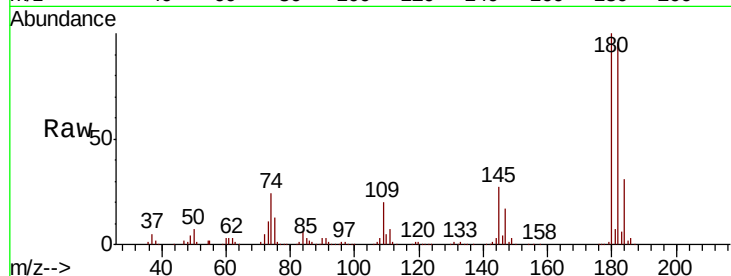




#67
 1,3,5-Trichlorobenzene
 Concen: 211.794 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007735.D
 Acq: 22 Sep 2018 15:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20067

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.6	116.4
184	30.8	24.7	37.1
145	27.2	21.8	32.8



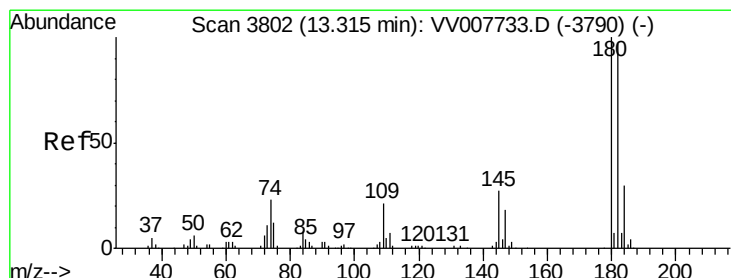
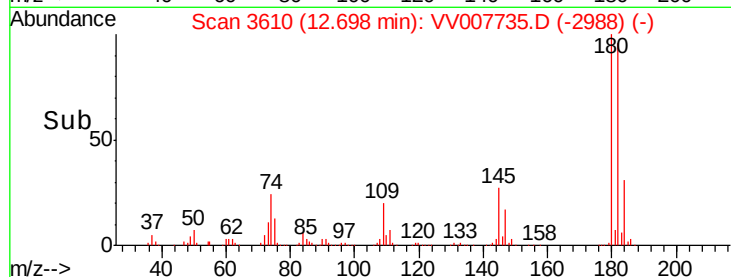
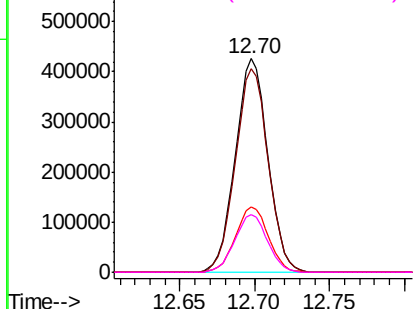
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

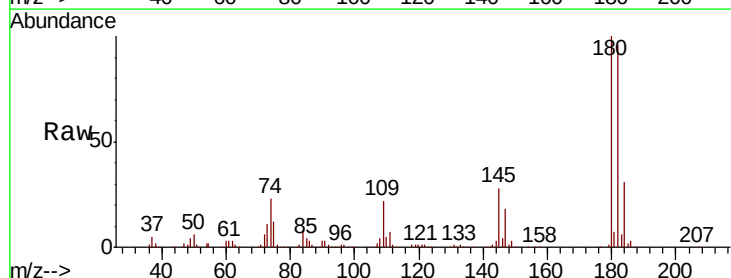
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 237.350 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007735.D
 Acq: 22 Sep 2018 15:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.6
145	27.7	22.2	33.2

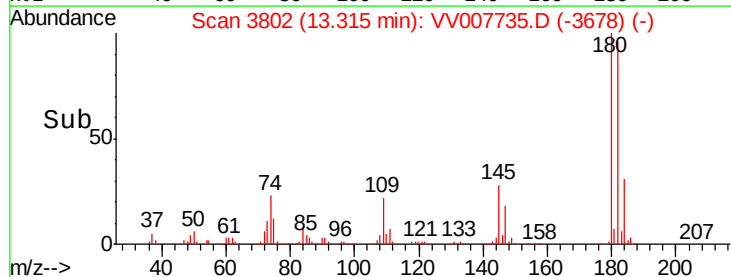
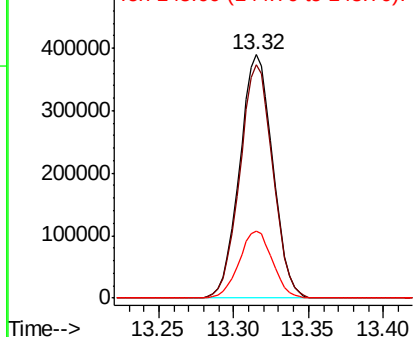


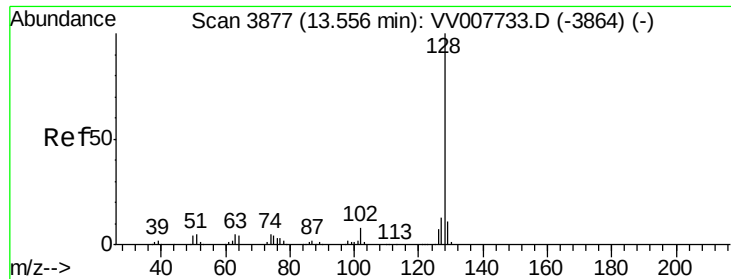
Abundance

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

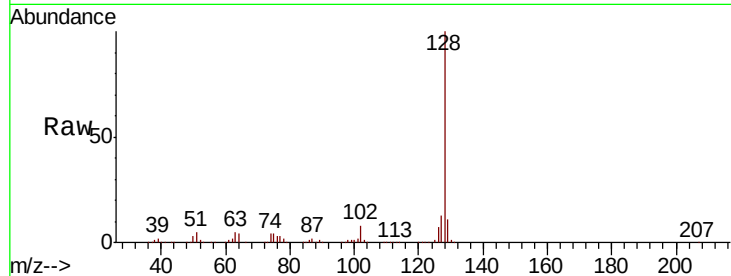




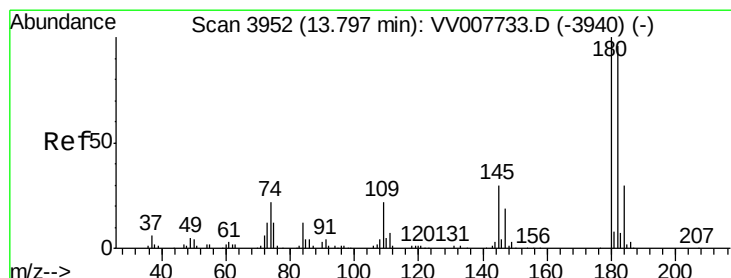
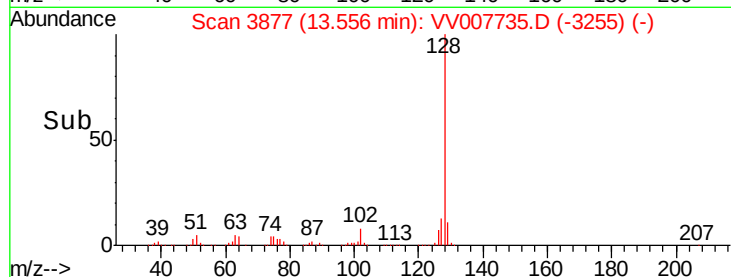
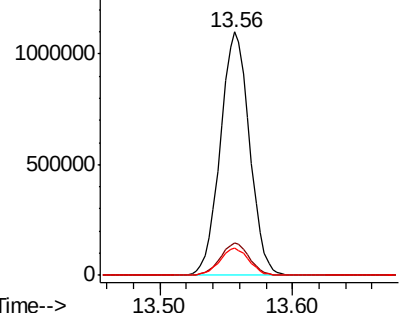
#69
Naphthalene
Concen: 257.487 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV007735.D
Acq: 22 Sep 2018 15:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD20067

Tgt Ion:128 Resp: 1676626
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.0 8.6 13.0

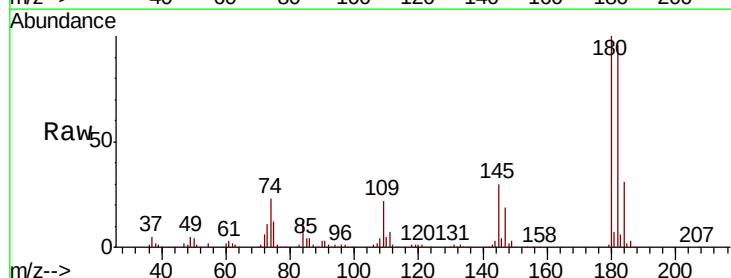


Abundance Ion 128.00 (127.70 to 128.70): V
1500000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 232.788 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV007735.D
Acq: 22 Sep 2018 15:14

Tgt Ion:180 Resp: 606035
Ion Ratio Lower Upper
180 100
182 95.5 77.4 116.2
145 29.7 23.3 34.9



Abundance Ion 180.00 (179.70 to 180.70): V
500000 Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

