

Data File : VV012317.D
Acq On : 21 Aug 2019 16:40
Operator : SY/MD
Sample : VSTD05062
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

Quant Time: Aug 22 02:24:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 02:21:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	236720	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	220614	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	117845	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57165	38.50	ug/L	0.00
7) Chloroethane-d5	1.58	69	40995	32.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	112172	40.22	ug/L	0.00
21) 2-Butanone-d5	3.92	46	91950	71.27	ug/L	0.00
24) Chloroform-d	4.40	84	163079	46.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	112219	49.56	ug/L	0.00
32) Benzene-d6	5.10	84	301779	44.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	80790	39.32	ug/L	0.00
41) Toluene-d8	7.36	98	297934	47.77	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	50304	46.56	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	71761	79.96	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	118206	39.29	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	131929	46.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	102790	50.668 ug/L	100
3) Chloromethane	1.25	50	59175	33.808 ug/L	100
5) Vinyl chloride	1.33	62	59586	33.563 ug/L	100
6) Bromomethane	1.52	94	28683	29.979 ug/L	100
8) Chloroethane	1.60	64	32431	32.680 ug/L	100
9) Trichlorofluoromethane	1.77	101	116616	46.997 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	53471	39.612 ug/L	100
12) 1,1-Dichloroethene	2.14	96	48753	38.171 ug/L	100
13) Acetone	2.18	43	62543	62.280 ug/L	100
14) Carbon disulfide	2.32	76	180590	42.627 ug/L	100
15) Methyl Acetate	2.45	43	63134	37.928 ug/L	100
16) Methylene chloride	2.53	84	72445	44.462 ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	72684	46.422 ug/L	100
18) Methyl tert-butyl Ether	2.80	73	246575	51.507 ug/L	100
19) 1,1-Dichloroethane	3.23	63	123015	44.122 ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	82729	47.683 ug/L	100
22) 2-Butanone	4.01	43	98452	76.940 ug/L	100
23) Bromochloromethane	4.30	128	45419	49.558 ug/L	100
25) Chloroform	4.42	83	149720	49.620 ug/L	100
27) 1,2-Dichloroethane	5.18	62	123531	53.904 ug/L	100
29) Cyclohexane	4.73	56	104737	43.565 ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	145258	56.373 ug/L	100
31) Carbon tetrachloride	4.87	117	135861	58.499 ug/L	100
33) Benzene	5.15	78	286195	46.708 ug/L	100
34) Trichloroethene	5.96	95	82081	49.597 ug/L	100
35) Methylcyclohexane	6.18	83	123708	47.477 ug/L	100
37) 1,2-Dichloropropane	6.22	63	66157	43.111 ug/L	100
38) Bromodichloromethane	6.55	83	113276	52.734 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	121870	49.112 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	181674	85.822 ug/L	100

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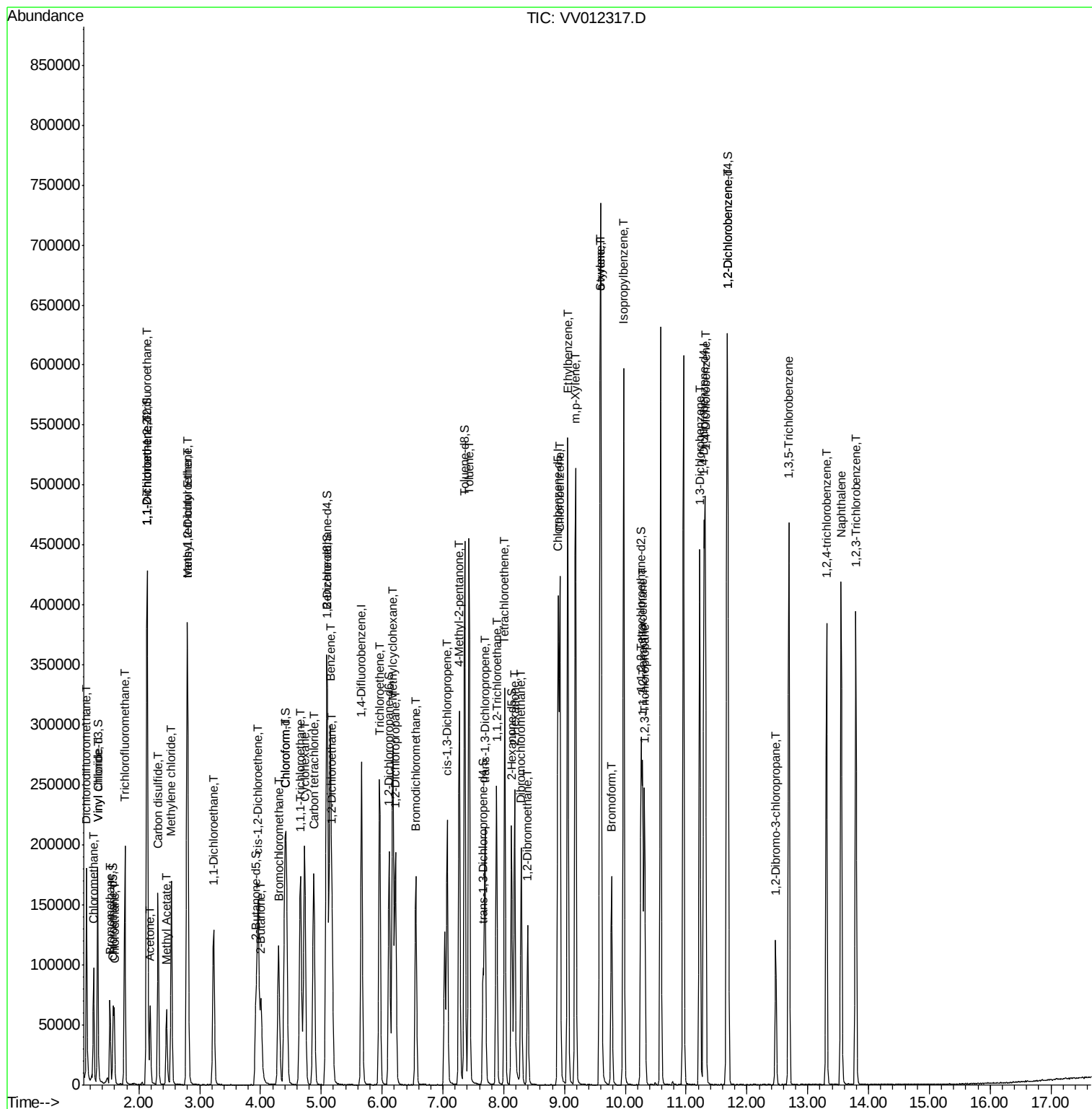
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	324948	49.354	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	118141	51.736	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	73611	47.638	ug/L	100
46) Tetrachloroethene	8.02	164	78938	54.900	ug/L	100
48) 2-Hexanone	8.18	43	139564	81.040	ug/L	100
49) Dibromochloromethane	8.29	129	101187	56.106	ug/L	100
50) 1,2-Dibromoethane	8.40	107	83499	49.993	ug/L	100
51) Chlorobenzene	8.92	112	221430	50.086	ug/L	100
52) Ethylbenzene	9.05	91	373449	51.086	ug/L	100
53) m,p-Xylene	9.18	106	145193	51.704	ug/L	100
54) o-xylene	9.59	106	142397	52.174	ug/L	100
55) Styrene	9.60	104	242084	51.880	ug/L	100
56) Isopropylbenzene	9.97	105	388177	53.643	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	110060	44.028	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	91070	46.164	ug/L	100
61) Bromoform	9.77	173	80421	57.465	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	188924	50.280	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	190239	49.628	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	194095	51.328	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	28100	48.475	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	151466	52.668	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	124627	52.592	ug/L	100
69) Naphthalene	13.55	128	341105	50.951	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	128417	51.636	ug/L	100

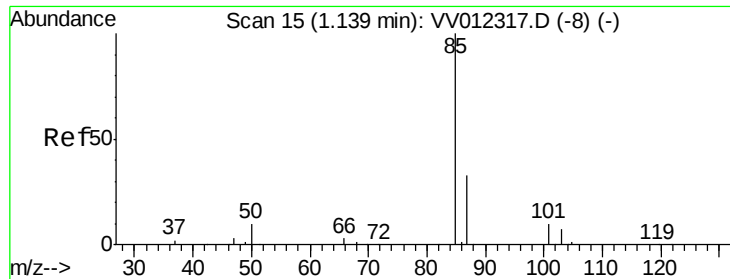
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.668 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampled :

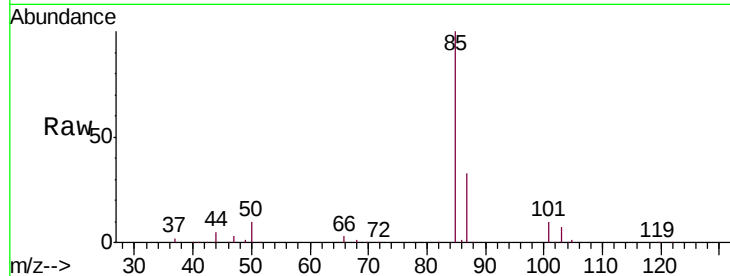
VSTD05062

Tgt Ion: 85 Resp: 102790

Ion Ratio Lower Upper

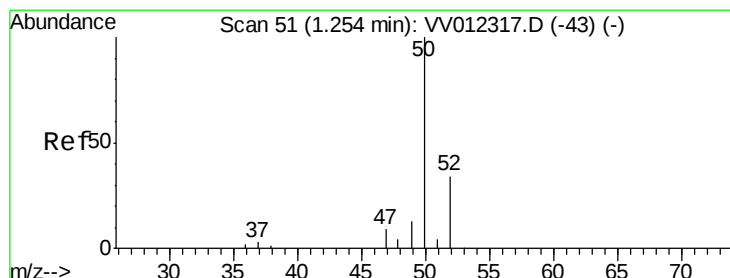
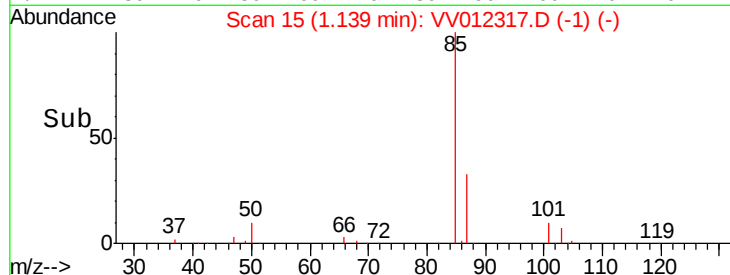
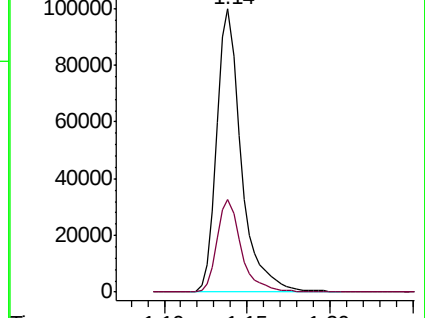
85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 33.808 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012317.D

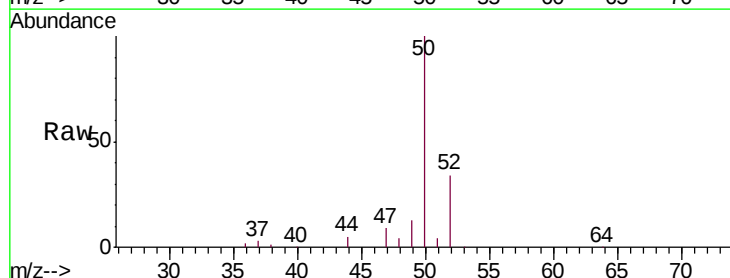
Acq: 21 Aug 2019 16:40

Tgt Ion: 50 Resp: 59175

Ion Ratio Lower Upper

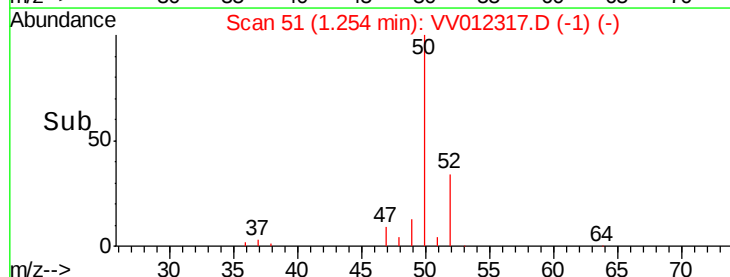
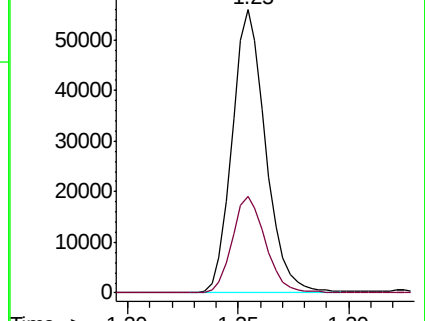
50 100

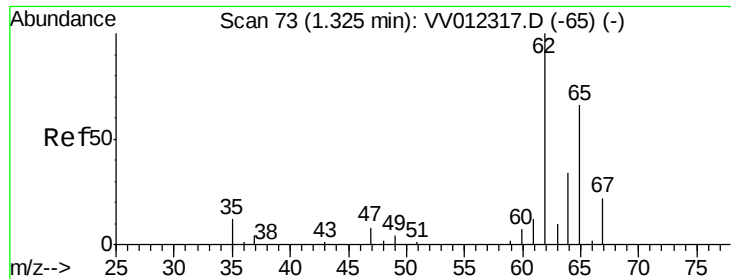
52 34.0 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 33.563 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

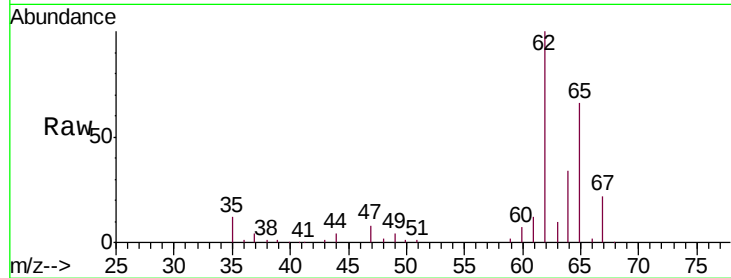
VSTD05062

Tgt Ion: 62 Resp: 59586

Ion Ratio Lower Upper

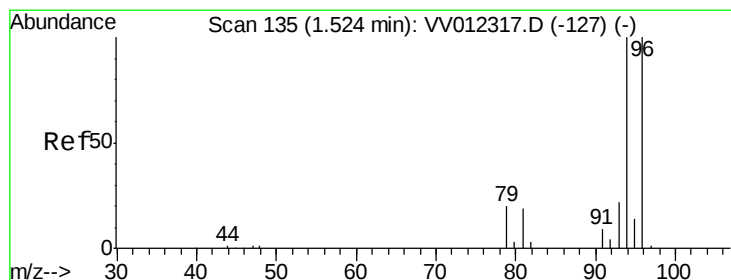
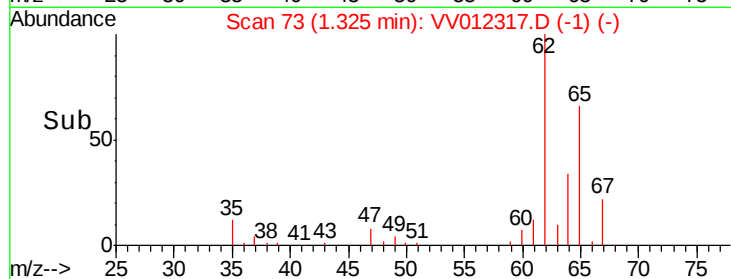
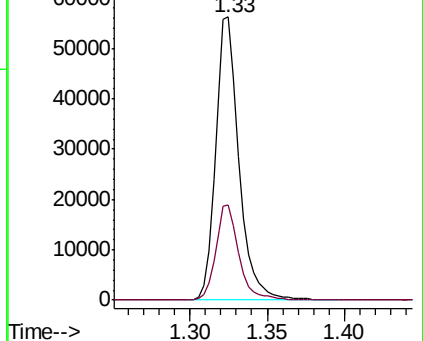
62 100

64 33.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 29.979 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV012317.D

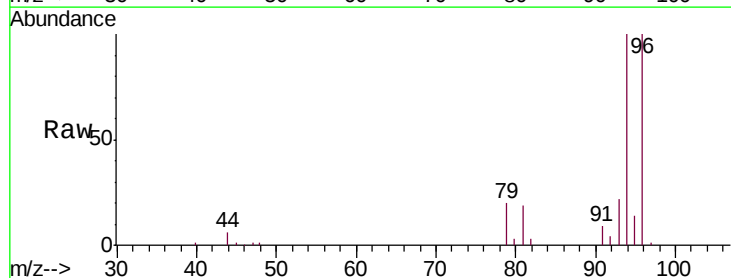
Acq: 21 Aug 2019 16:40

Tgt Ion: 94 Resp: 28683

Ion Ratio Lower Upper

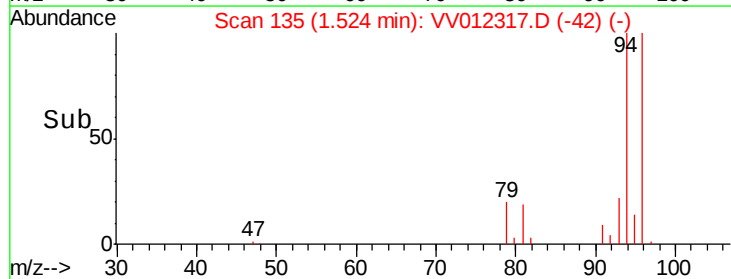
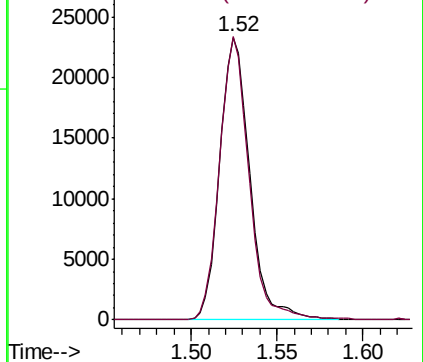
94 100

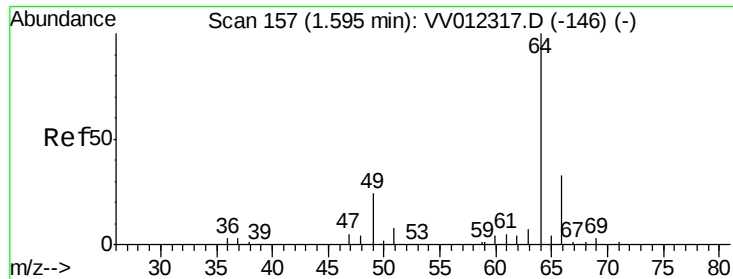
96 100.2 70.1 130.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 32.680 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

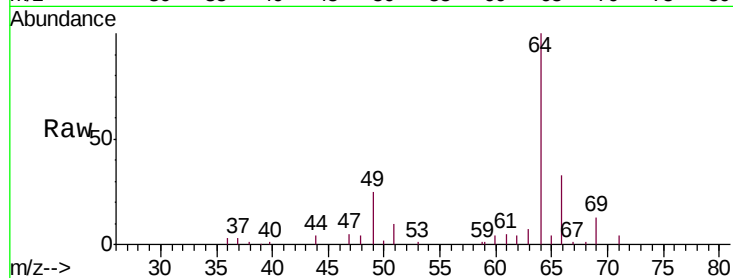
VSTD05062

Tgt Ion: 64 Resp: 32431

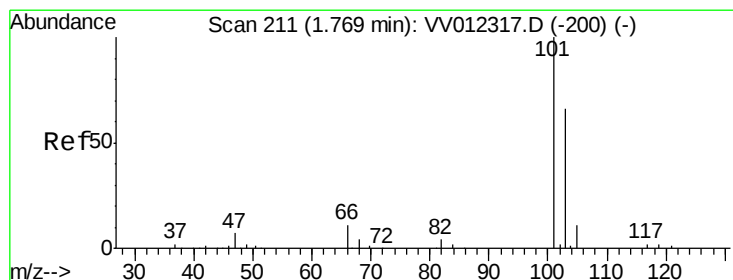
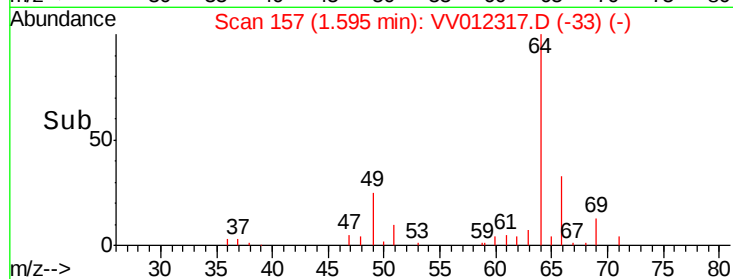
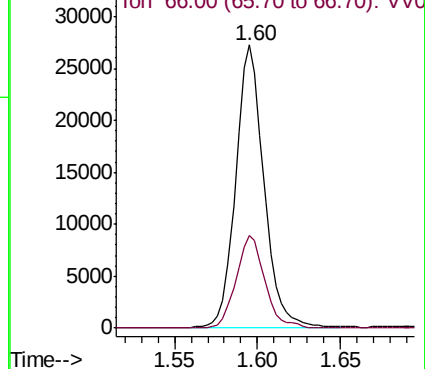
Ion Ratio Lower Upper

64 100

66 32.6 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV012317.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 46.997 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012317.D

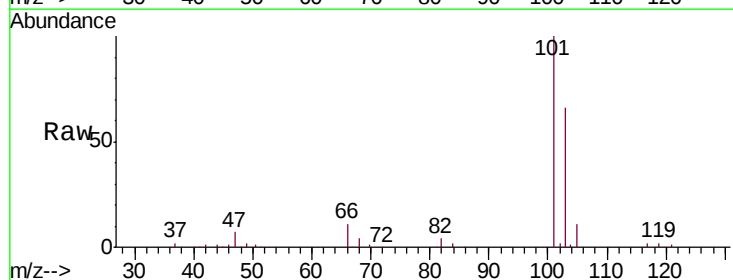
Acq: 21 Aug 2019 16:40

Tgt Ion: 101 Resp: 116616

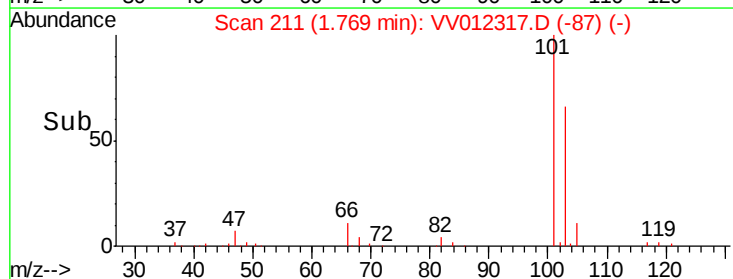
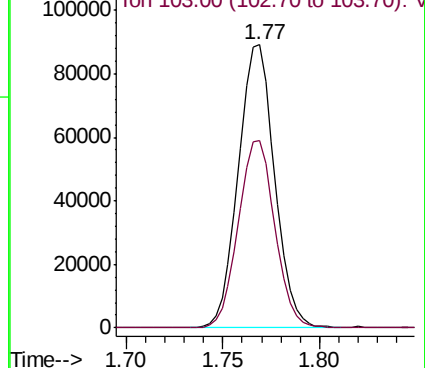
Ion Ratio Lower Upper

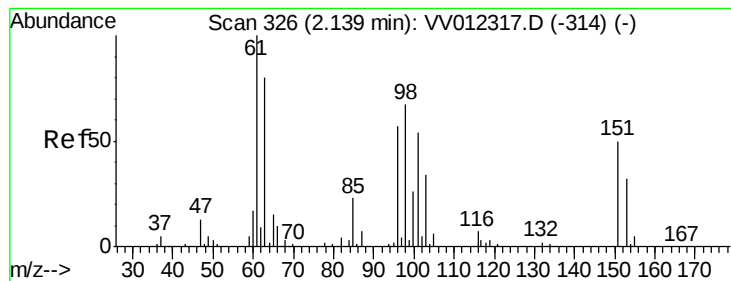
101 100

103 66.5 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VV012317.D (-200) (-)





#10

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

Concen: 39.612 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

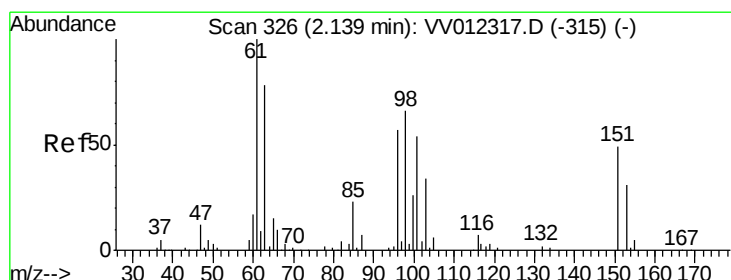
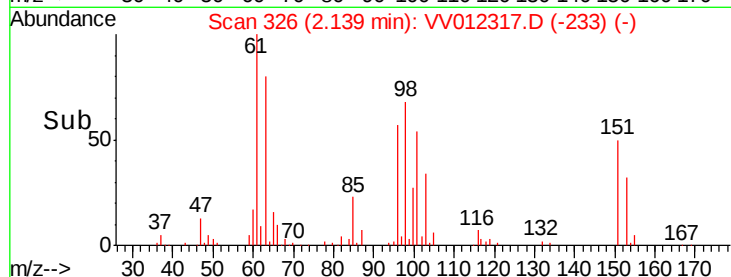
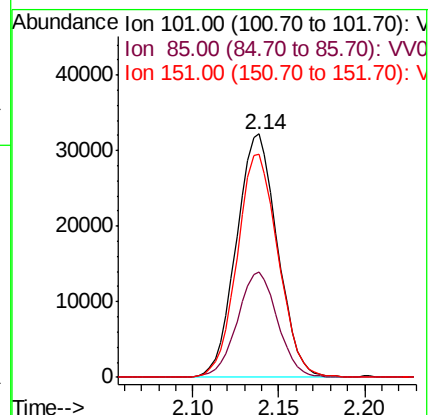
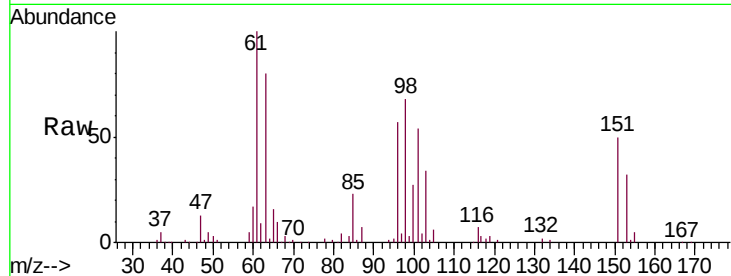
Tgt Ion:101 Resp: 53471

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

151 91.3 73.0 109.6



#12

1,1-Dichloroethene

Concen: 38.171 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

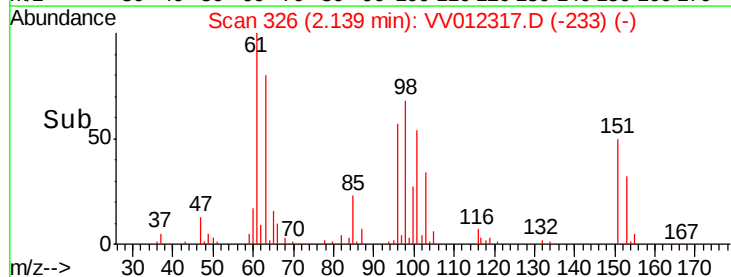
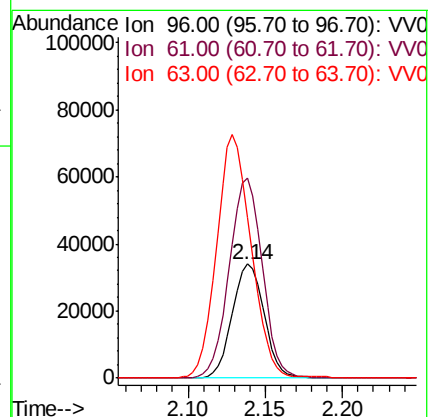
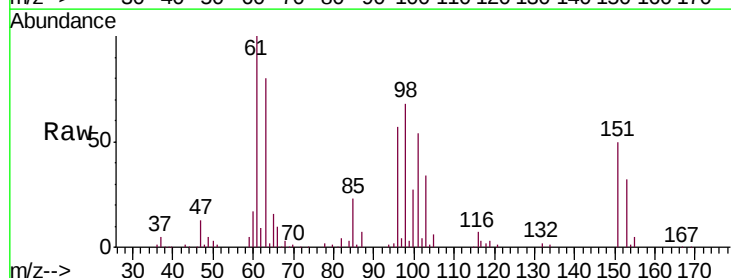
Tgt Ion: 96 Resp: 48753

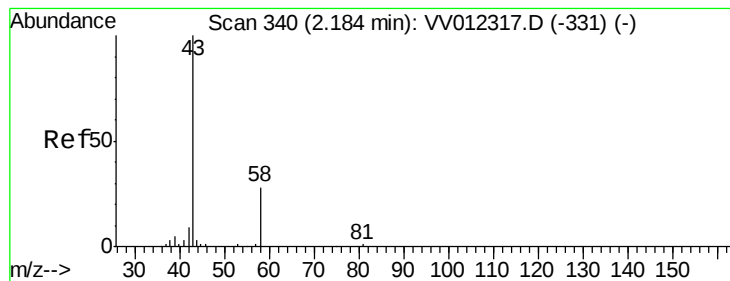
Ion Ratio Lower Upper

96 100

61 175.2 122.6 227.8

63 140.9 98.6 183.2





#13

Acetone

Concen: 62.280 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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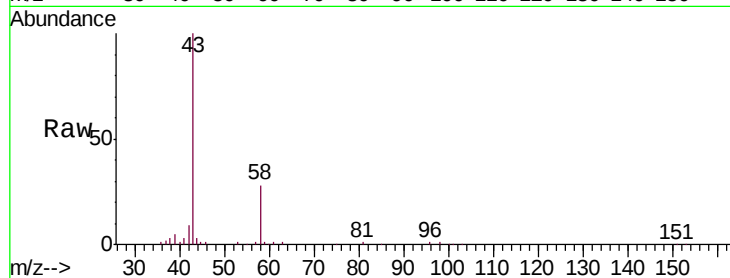
VSTD05062

Tgt Ion: 43 Resp: 62543

Ion Ratio Lower Upper

43 100

58 27.1 0.0 54.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.18

40000

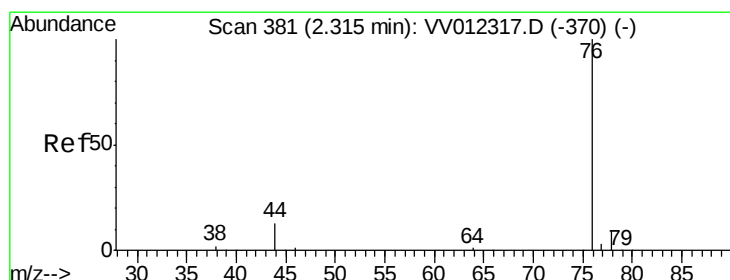
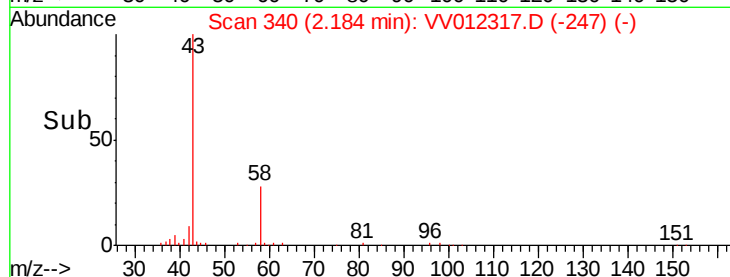
30000

20000

10000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 42.627 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012317.D

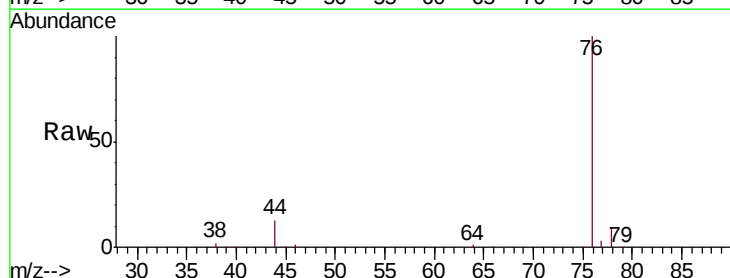
Acq: 21 Aug 2019 16:40

Tgt Ion: 76 Resp: 180590

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

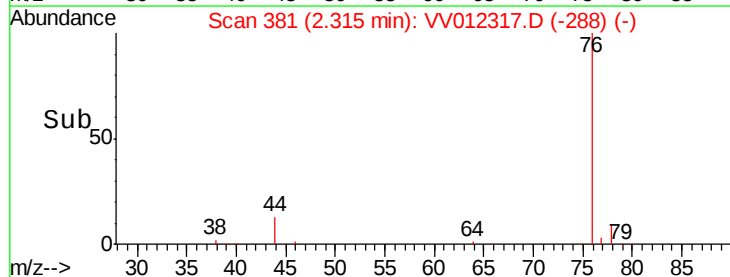
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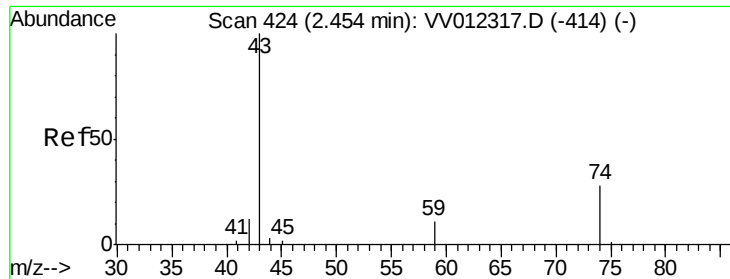
100000

50000

0

Time--> 2.25 2.30 2.35 2.40

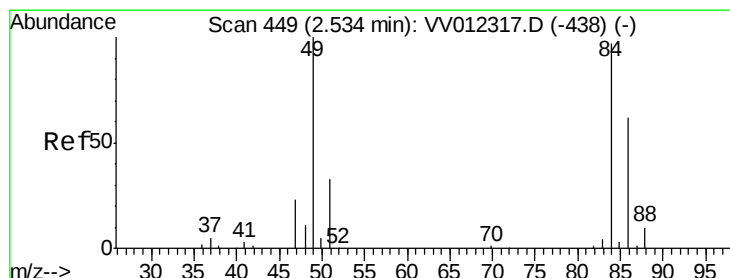
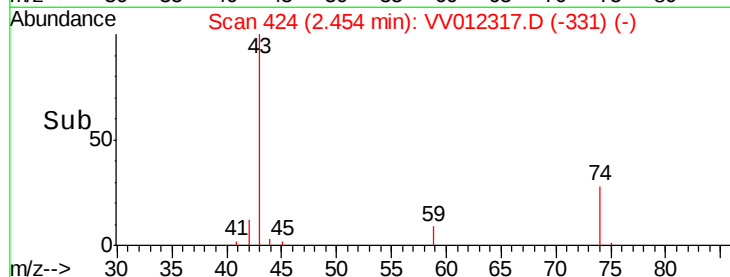
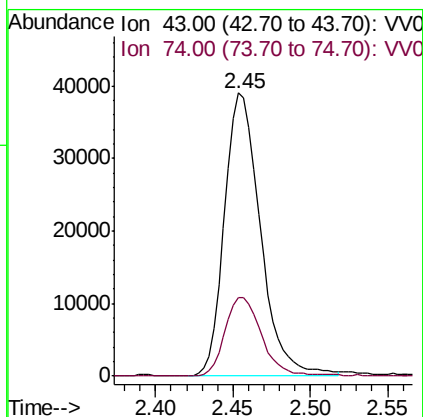
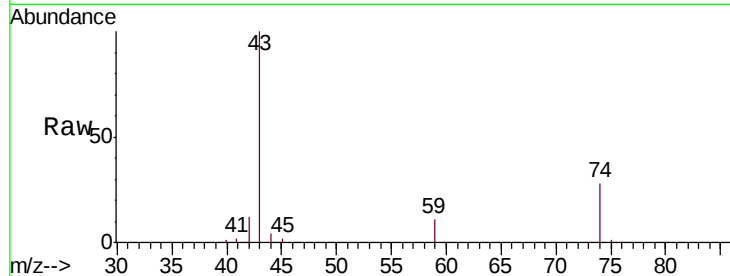




#15
Methyl Acetate
Concen: 37.928 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV012317.D
Acq: 21 Aug 2019 16:40

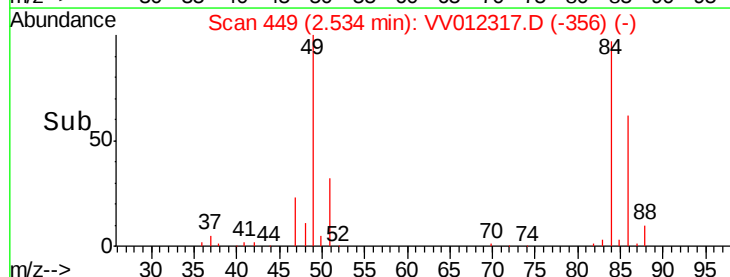
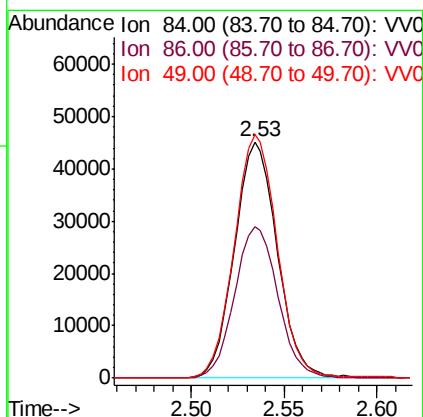
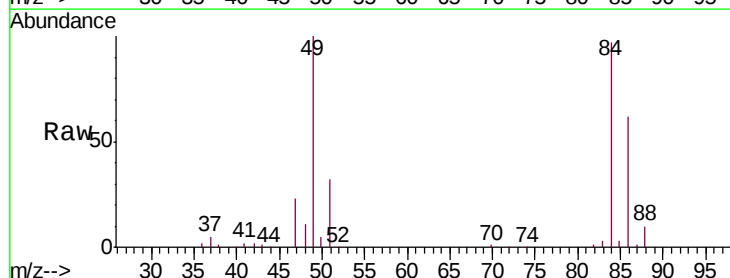
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

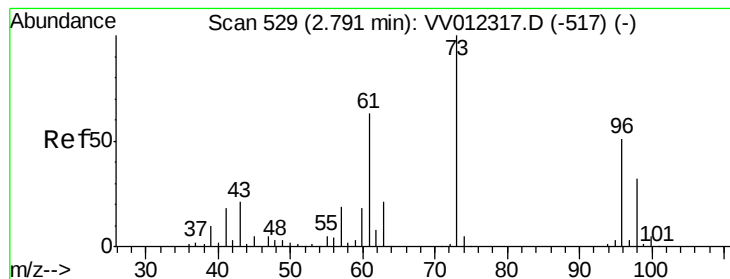
Tgt Ion: 43 Resp: 63134
Ion Ratio Lower Upper
43 100
74 28.2 22.6 33.8



#16
Methylene chloride
Concen: 44.462 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012317.D
Acq: 21 Aug 2019 16:40

Tgt Ion: 84 Resp: 72445
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 103.0 72.1 133.9





#17

trans-1,2-Dichloroethene

Concen: 46.422 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

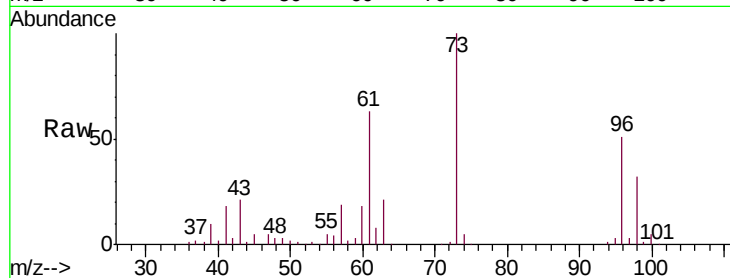
Tgt Ion: 96 Resp: 72684

Ion Ratio Lower Upper

96 100

61 124.3 87.0 161.6

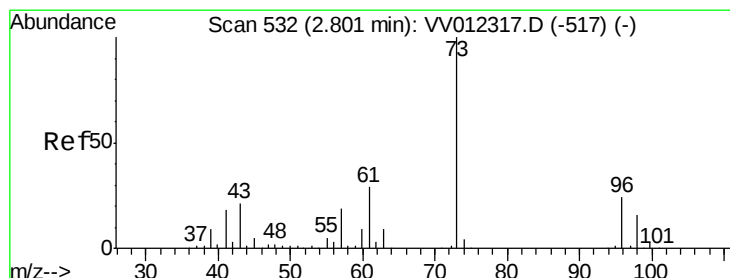
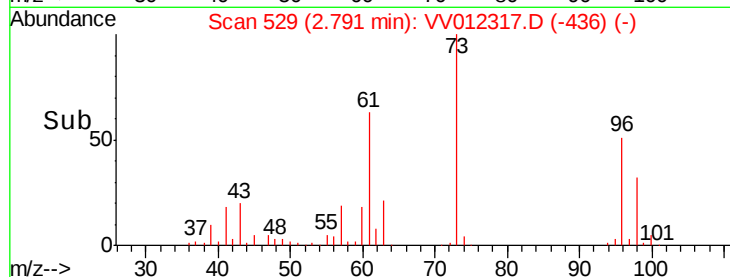
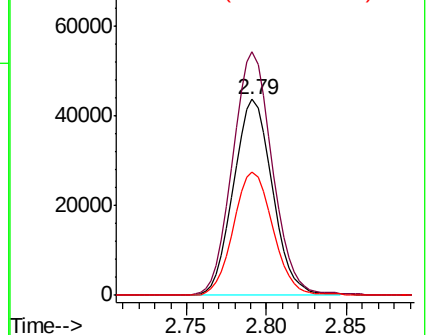
98 62.6 43.8 81.4



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: 51.507 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

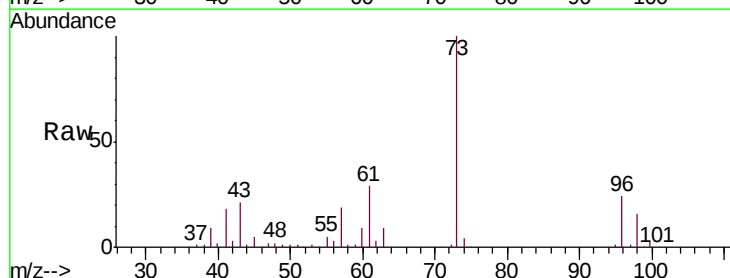
Tgt Ion: 73 Resp: 246575

Ion Ratio Lower Upper

73 100

43 20.8 16.6 25.0

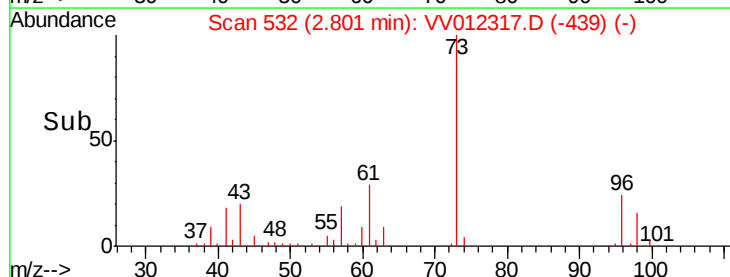
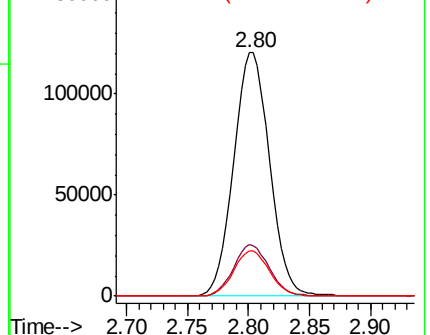
57 18.8 15.0 22.6

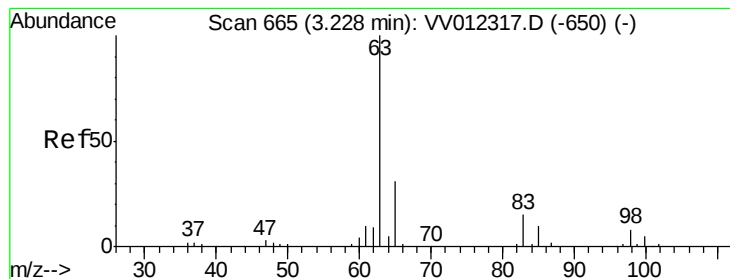


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 44.122 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

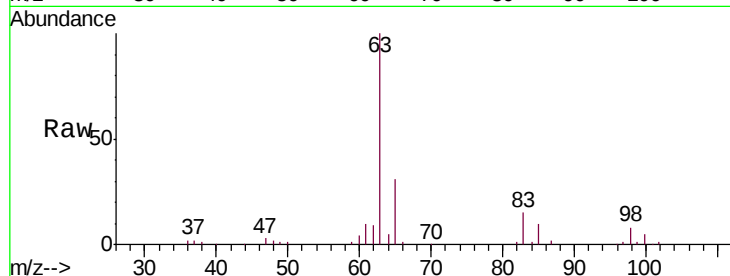
Tgt Ion: 63 Resp: 123015

Ion Ratio Lower Upper

63 100

65 31.0 21.7 40.3

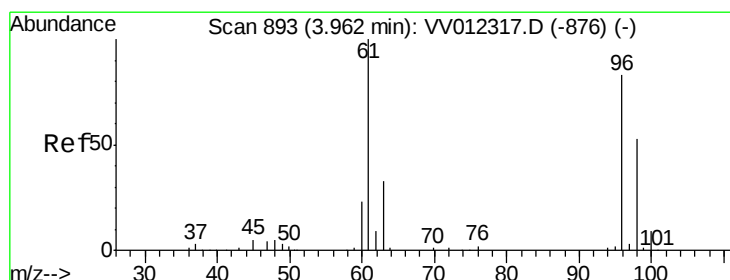
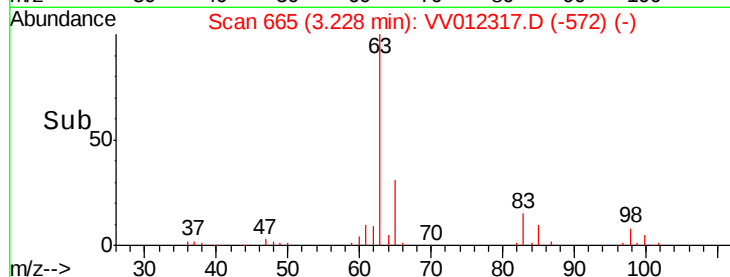
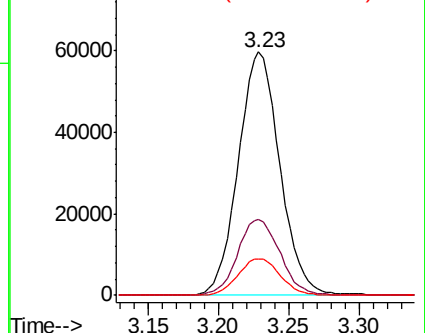
83 15.0 10.5 19.5



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: 47.683 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

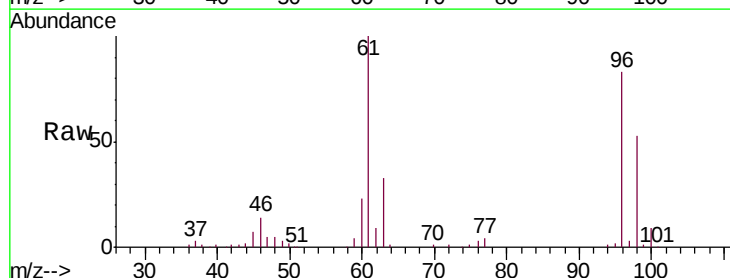
Tgt Ion: 96 Resp: 82729

Ion Ratio Lower Upper

96 100

61 120.5 84.4 156.7

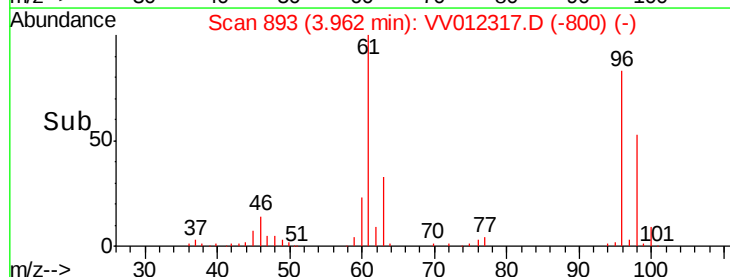
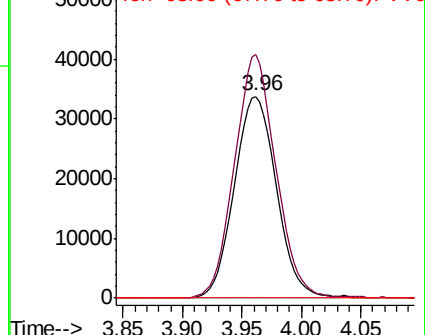
68 0.0 0.0 0.0

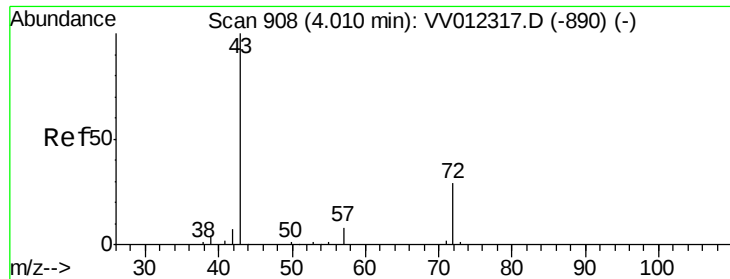


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 76.940 ug/L

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

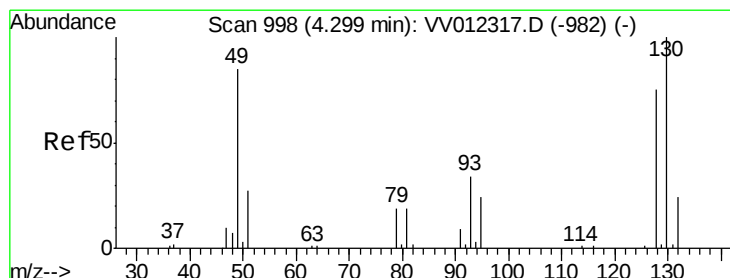
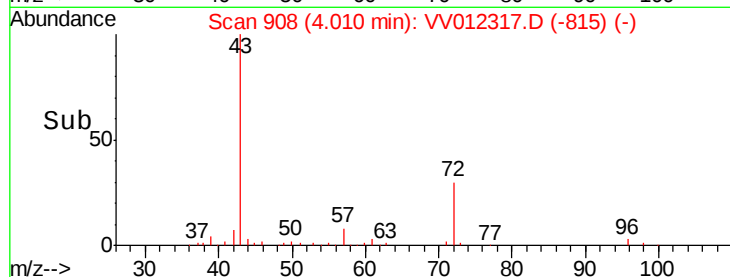
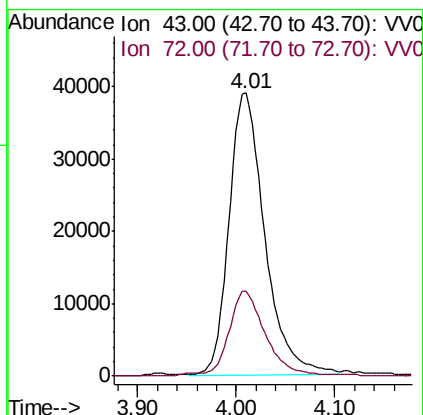
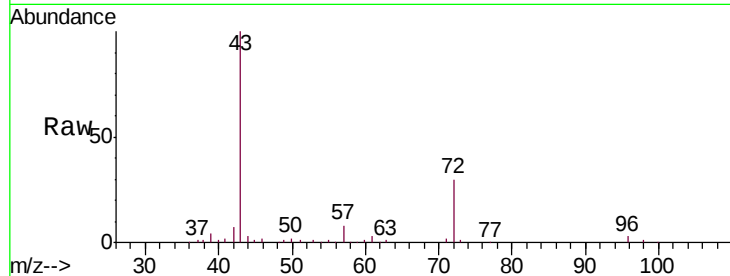
VSTD05062

Tgt Ion: 43 Resp: 98452

Ion Ratio Lower Upper

43 100

72 30.1 15.0 45.1



#23

Bromochloromethane

Concen: 49.558 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Tgt Ion: 128 Resp: 45419

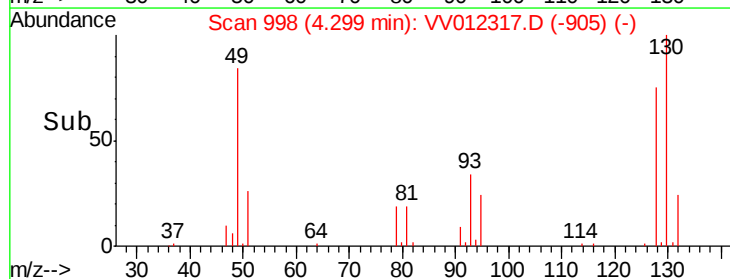
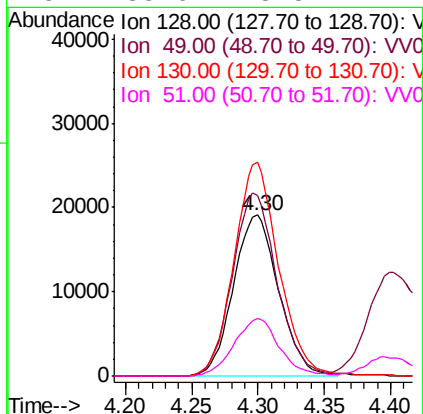
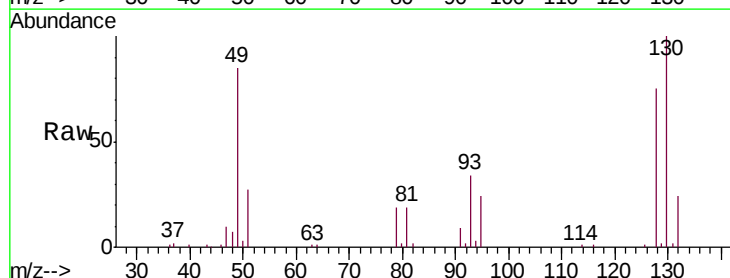
Ion Ratio Lower Upper

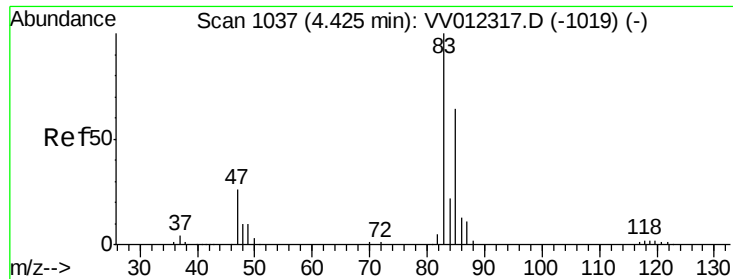
128 100

49 112.6 78.8 146.4

130 132.8 93.0 172.6

51 35.6 28.5 42.7

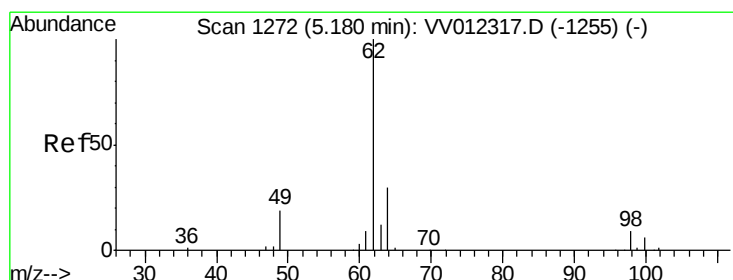
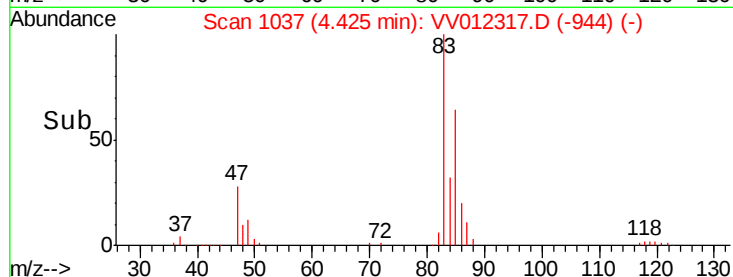
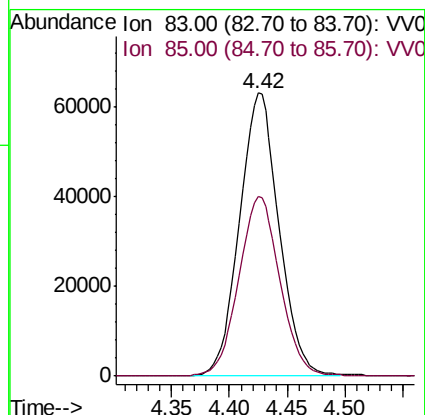
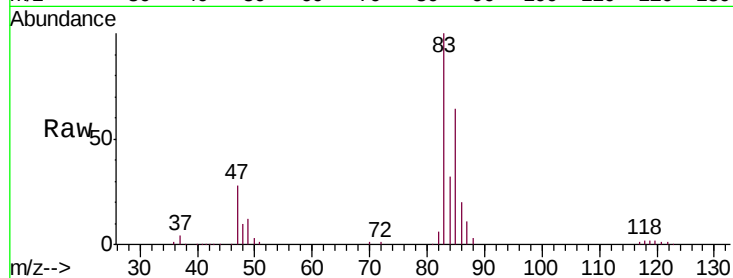




#25
Chloroform
Concen: 49.620 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012317.D
Acq: 21 Aug 2019 16:40

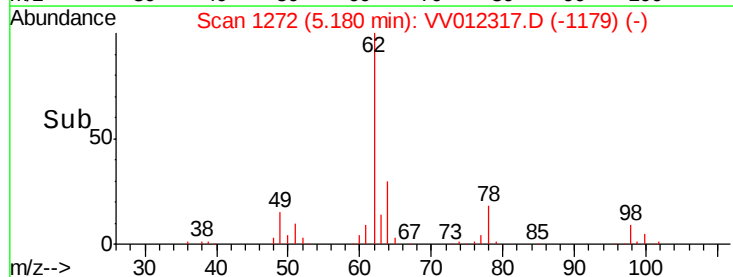
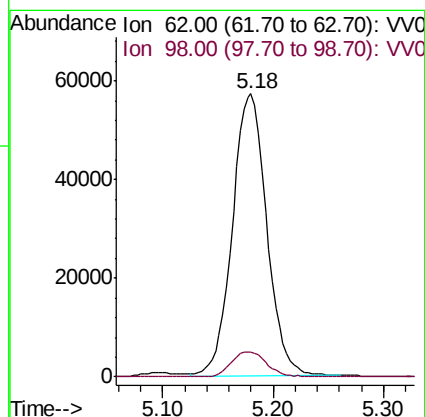
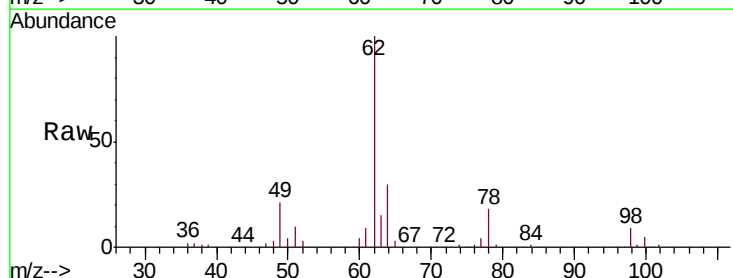
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

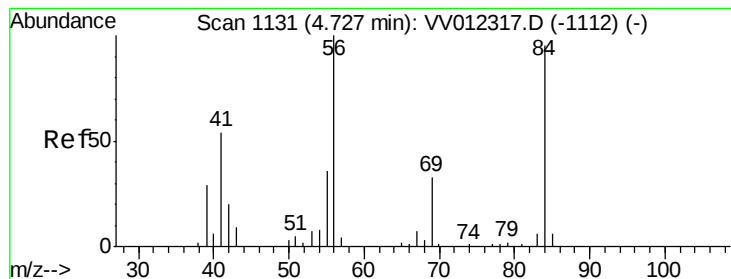
Tgt Ion: 83 Resp: 149720
Ion Ratio Lower Upper
83 100
85 63.6 44.5 82.7



#27
1,2-Dichloroethane
Concen: 53.904 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012317.D
Acq: 21 Aug 2019 16:40

Tgt Ion: 62 Resp: 123531
Ion Ratio Lower Upper
62 100
98 8.6 6.9 10.3





#29

Cyclohexane

Concen: 43.565 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

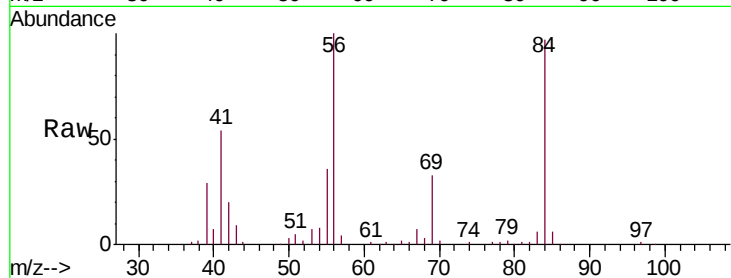
Tgt Ion: 56 Resp: 104737

Ion Ratio Lower Upper

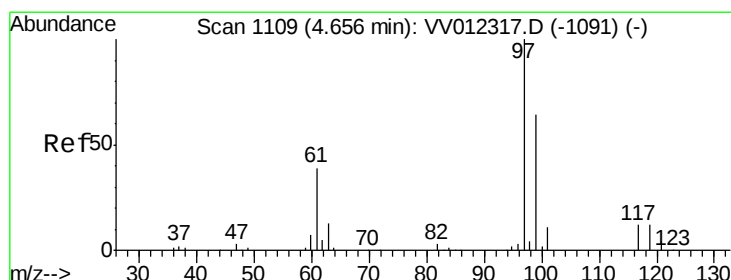
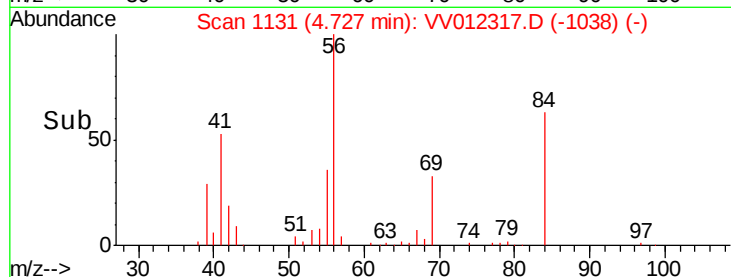
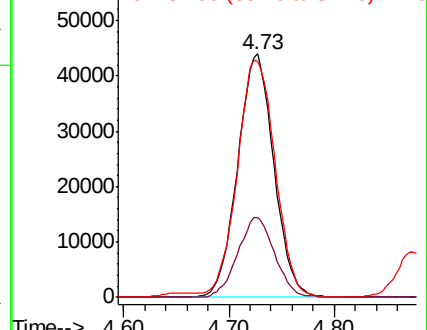
56 100

69 33.5 26.8 40.2

84 102.1 81.7 122.5



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: 56.373 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

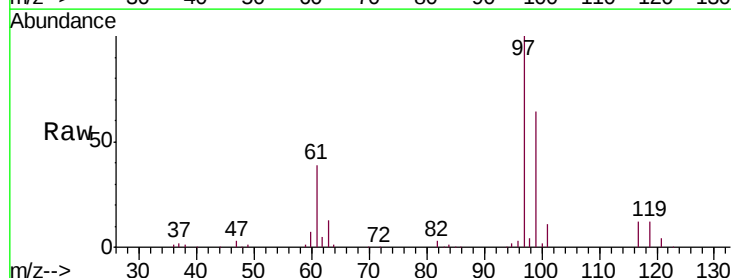
Tgt Ion: 97 Resp: 145258

Ion Ratio Lower Upper

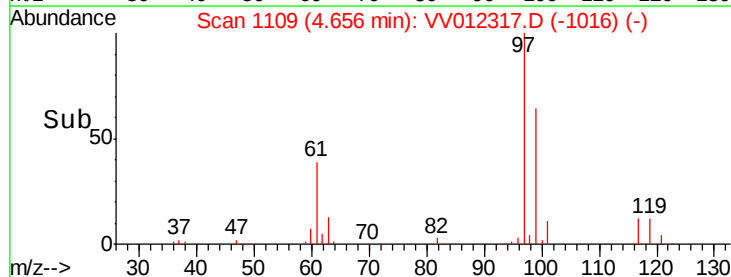
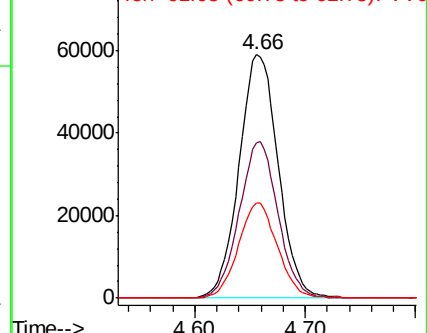
97 100

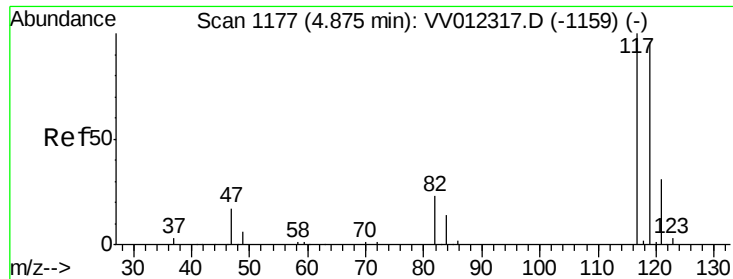
99 63.5 50.8 76.2

61 38.8 31.0 46.6



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

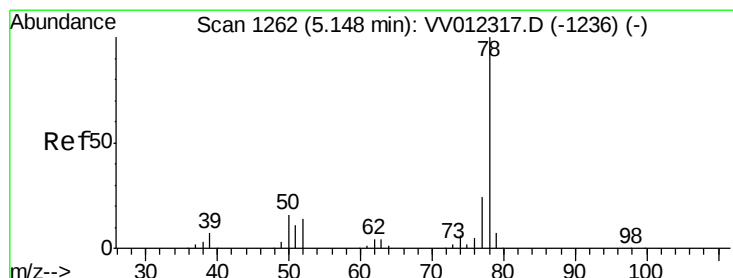
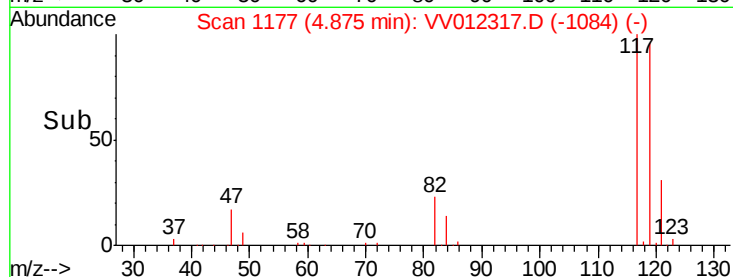
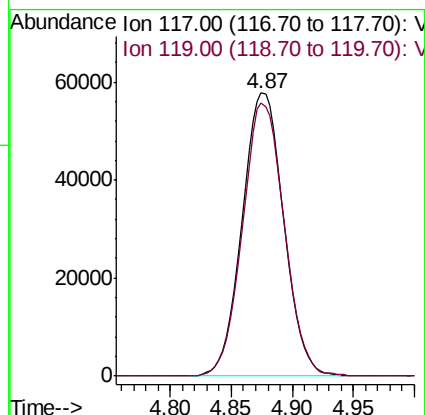
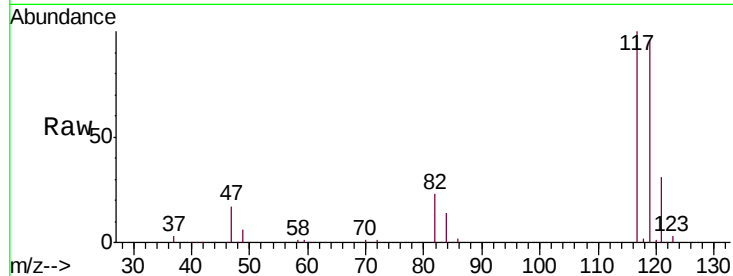




#31
Carbon tetrachloride
Concen: 58.499 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012317.D
Acq: 21 Aug 2019 16:40

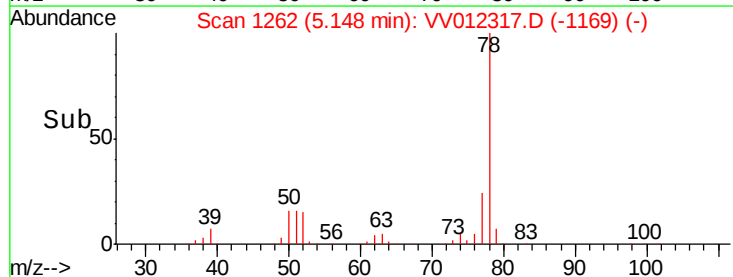
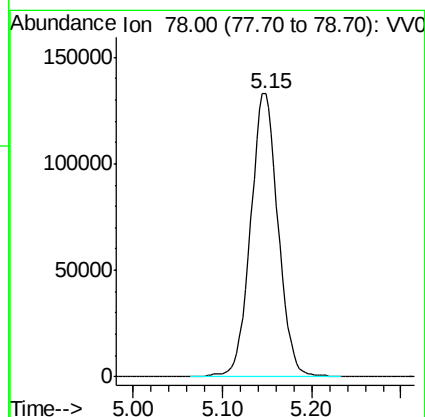
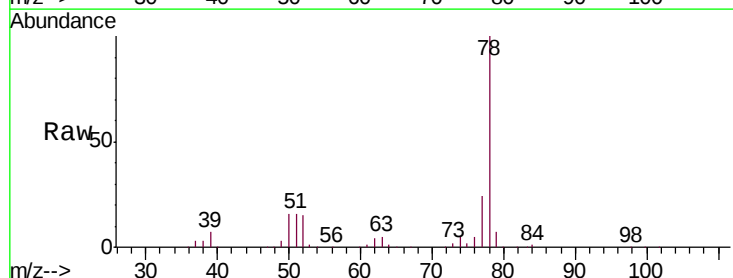
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

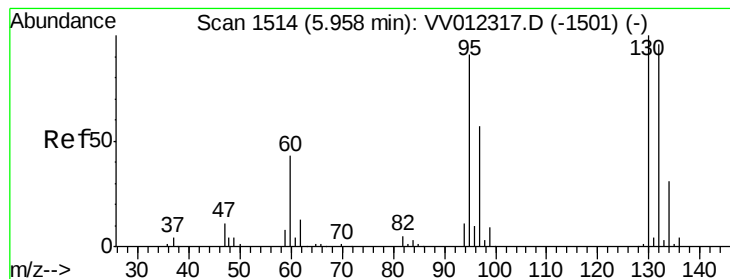
Tgt Ion:117 Resp: 135861
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5



#33
Benzene
Concen: 46.708 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012317.D
Acq: 21 Aug 2019 16:40

Tgt Ion: 78 Resp: 286195





#34

Trichloroethene

Concen: 49.597 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

Tgt Ion: 95 Resp: 82081

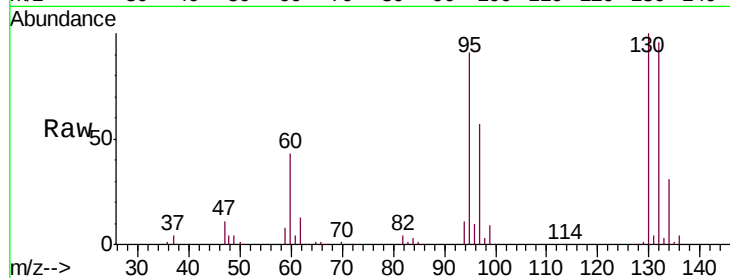
Ion Ratio Lower Upper

95 100

97 62.3 43.6 81.0

132 105.6 73.9 137.3

130 109.4 76.6 142.2

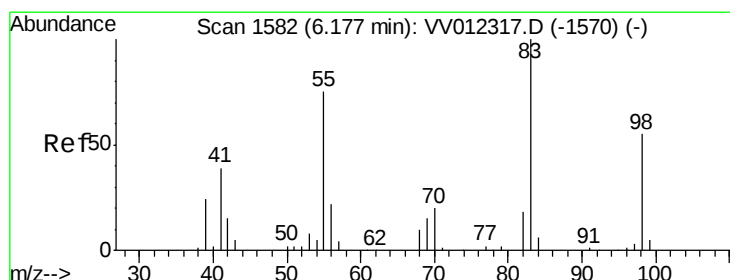
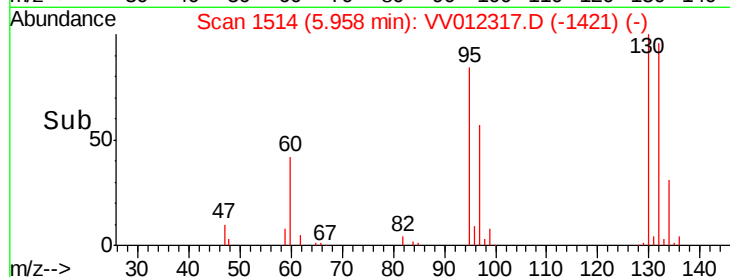
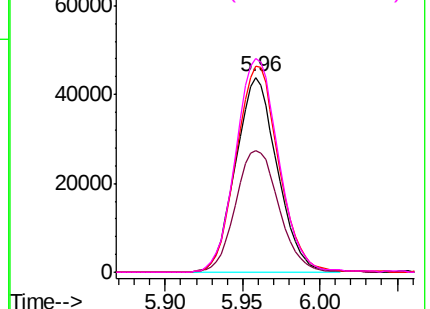


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 47.477 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

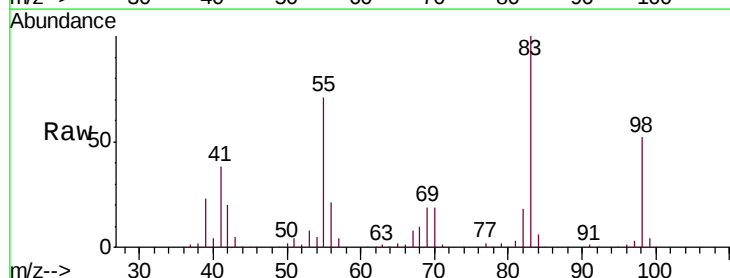
Tgt Ion: 83 Resp: 123708

Ion Ratio Lower Upper

83 100

55 70.3 56.2 84.4

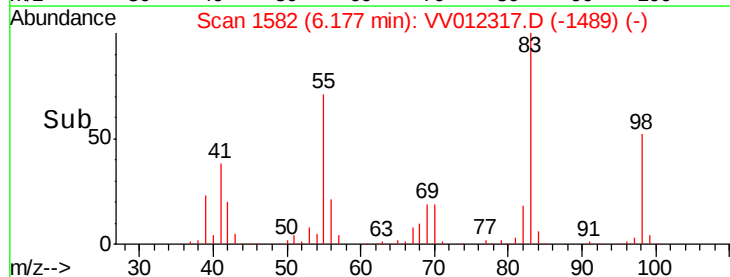
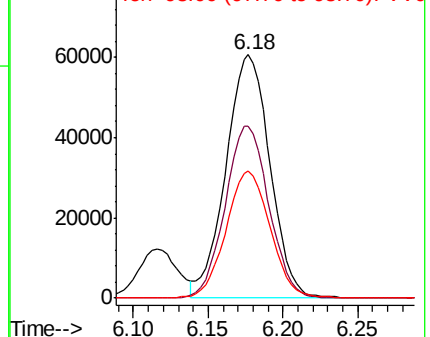
98 52.8 42.2 63.4

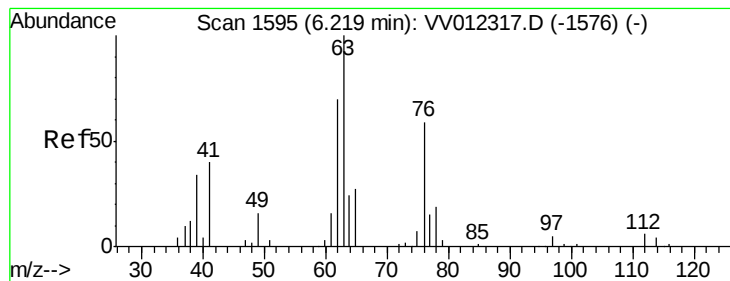


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 43.111 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

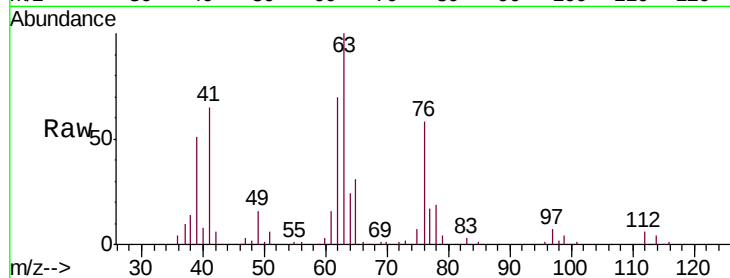
VSTD05062

Tgt Ion: 63 Resp: 66157

Ion Ratio Lower Upper

63 100

112 5.9 4.7 7.1

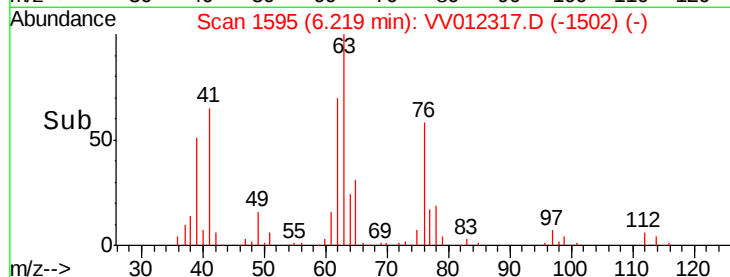


Abundance Ion 63.00 (62.70 to 63.70): VV012317.D (-1576) (-)

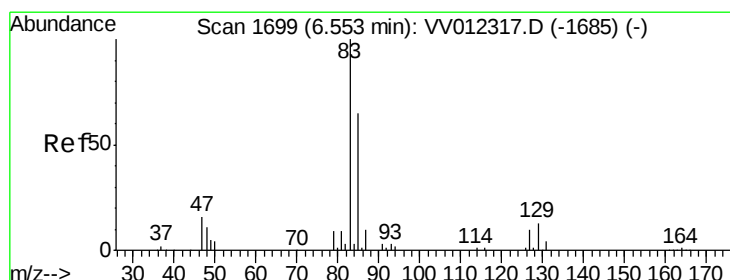
Ion 112.00 (111.70 to 112.70): VV012317.D (-1576) (-)

6.22

Time-->



Time-->



#38

Bromodichloromethane

Concen: 52.734 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

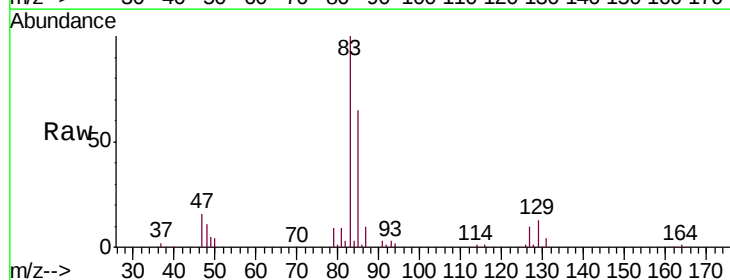
Tgt Ion: 83 Resp: 113276

Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9

127 9.8 7.8 11.8



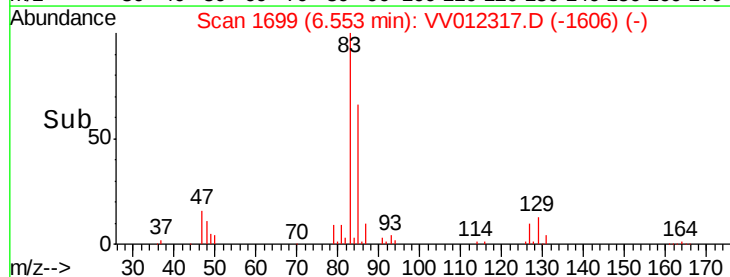
Abundance Ion 83.00 (82.70 to 83.70): VV012317.D (-1685) (-)

Ion 85.00 (84.70 to 85.70): VV012317.D (-1685) (-)

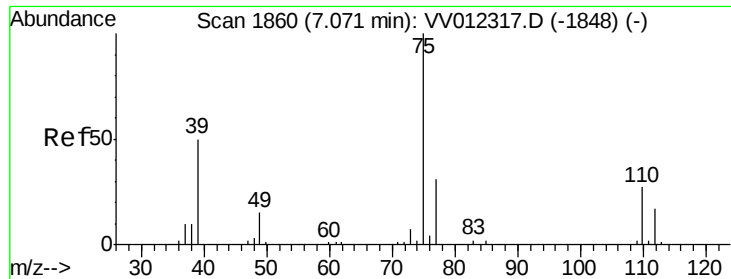
Ion 127.00 (126.70 to 127.70): VV012317.D (-1685) (-)

6.55

Time-->



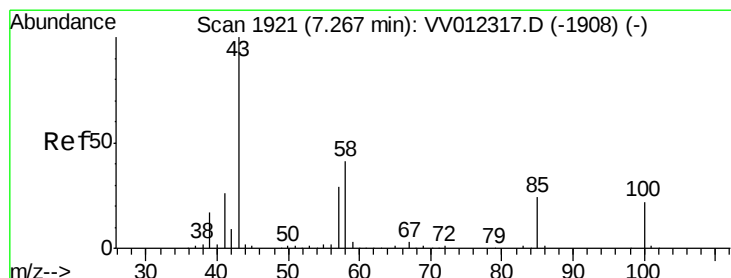
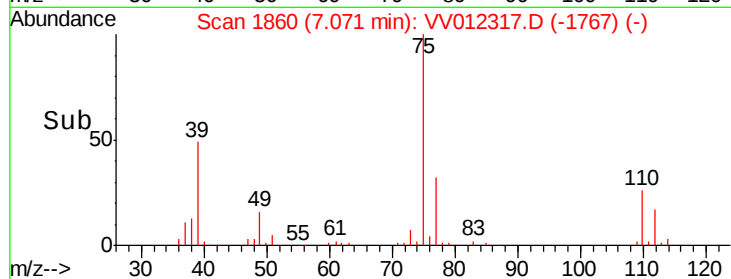
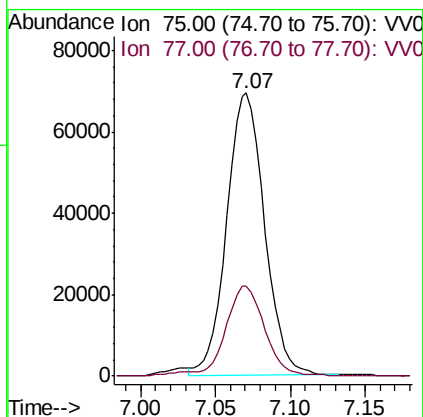
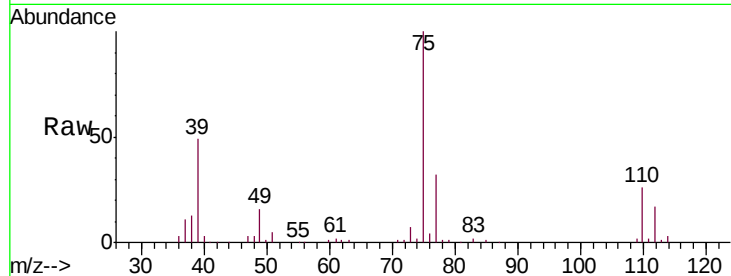
Time-->



#39
 cis-1,3-Dichloropropene
 Concen: 49.112 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012317.D
 Acq: 21 Aug 2019 16:40

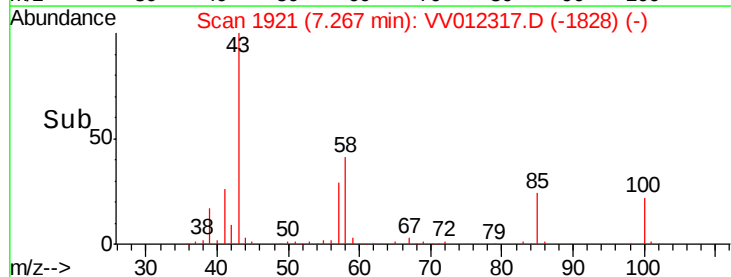
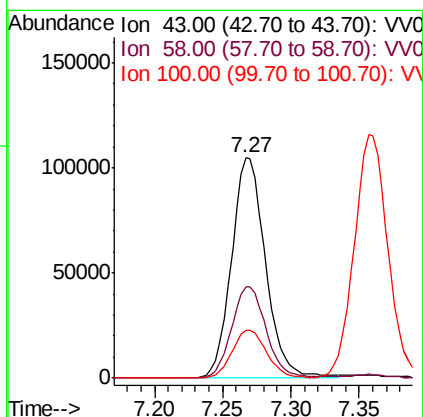
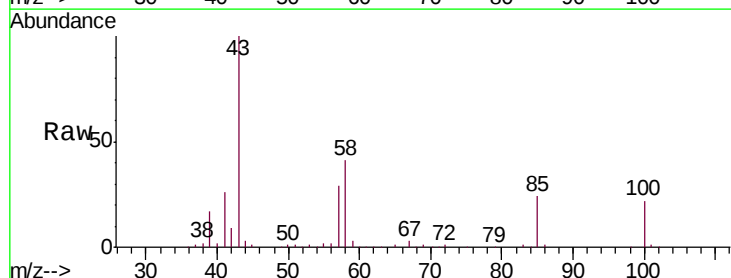
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

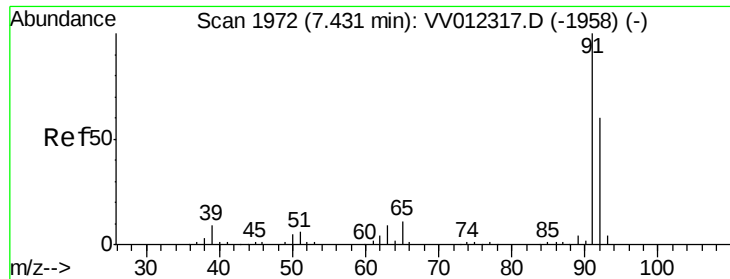
Tgt Ion: 75 Resp: 121870
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 85.822 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VV012317.D
 Acq: 21 Aug 2019 16:40

Tgt Ion: 43 Resp: 181674
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.7 50.5
 100 22.2 17.8 26.6





#42

Toluene

Concen: 49.354 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

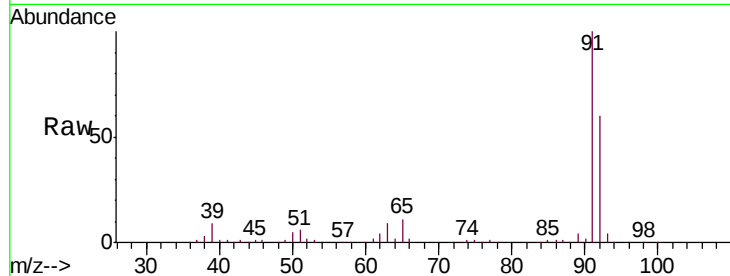
VSTD05062

Tgt Ion: 91 Resp: 324948

Ion Ratio Lower Upper

91 100

92 60.5 42.4 78.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

200000

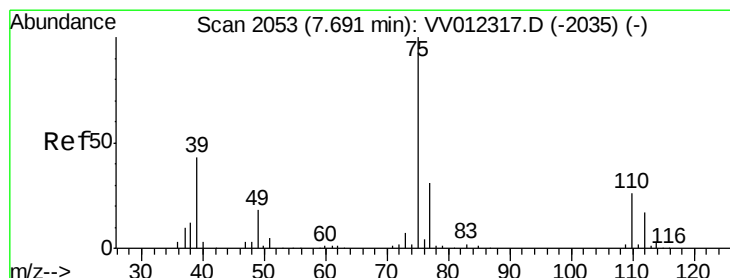
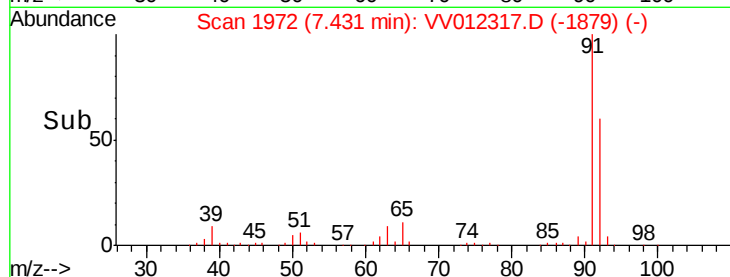
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.736 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012317.D

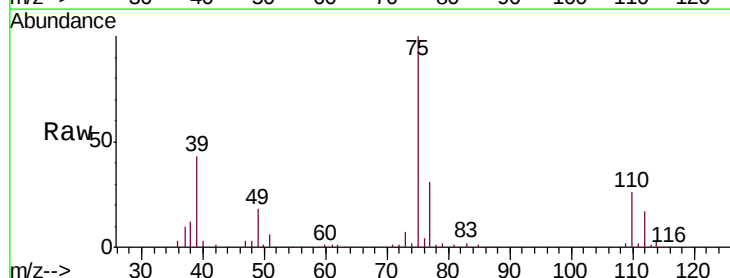
Acq: 21 Aug 2019 16:40

Tgt Ion: 75 Resp: 118141

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

80000

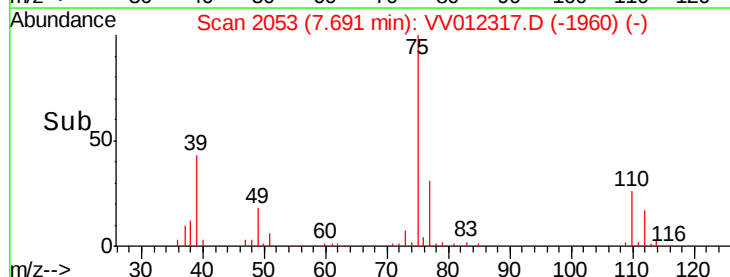
60000

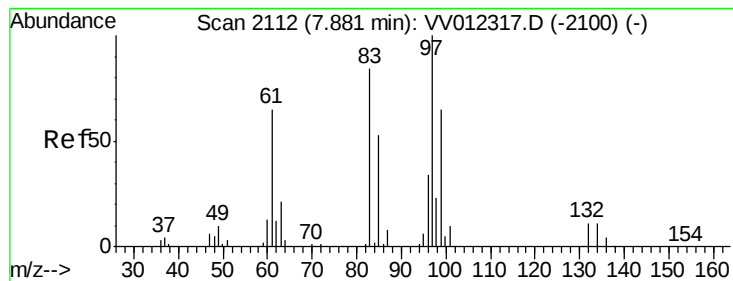
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 47.638 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

Tgt Ion: 97 Resp: 73611

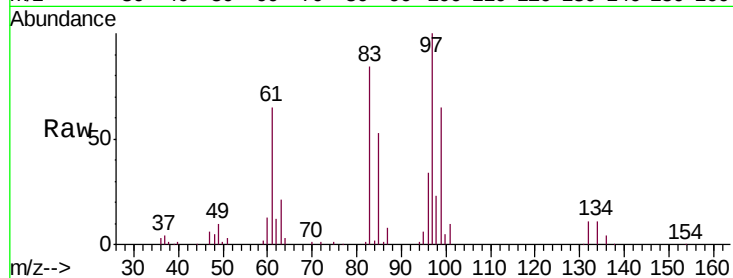
Ion Ratio Lower Upper

97 100

99 65.0 45.5 84.5

83 83.6 58.5 108.7

85 52.6 36.8 68.4



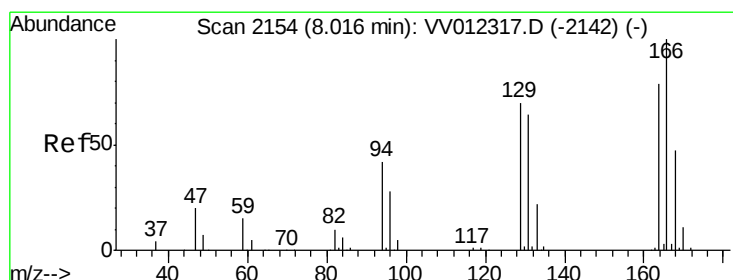
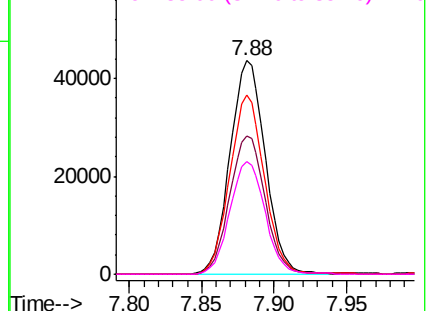
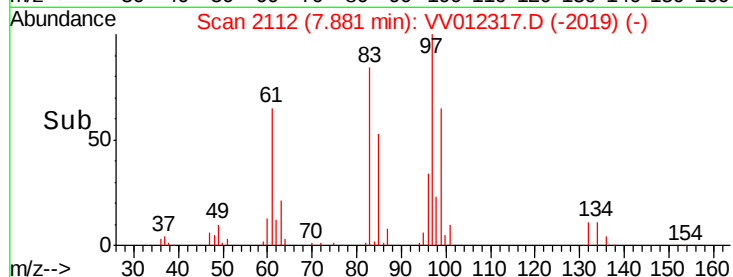
Abundance

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: 54.900 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Tgt Ion: 164 Resp: 78938

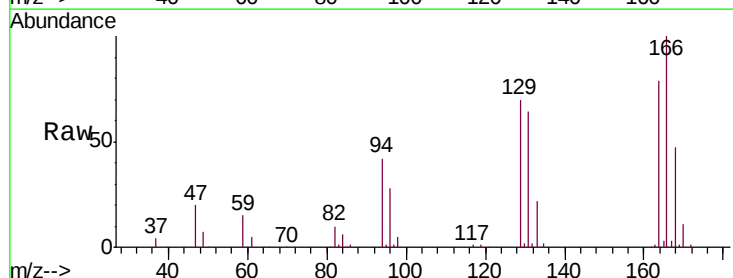
Ion Ratio Lower Upper

164 100

129 87.9 61.5 114.3

131 80.8 56.6 105.0

166 126.0 88.2 163.8



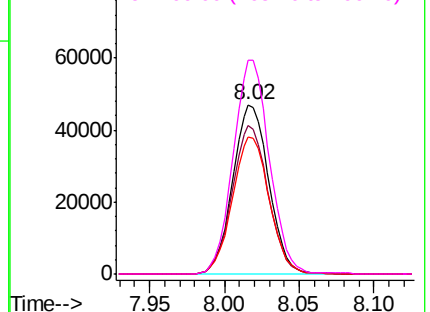
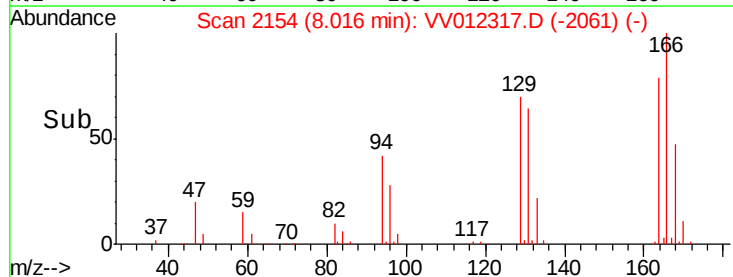
Abundance

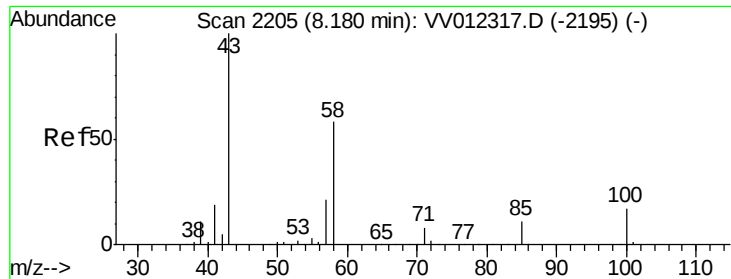
Ion 164.00 (163.70 to 164.70): V

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

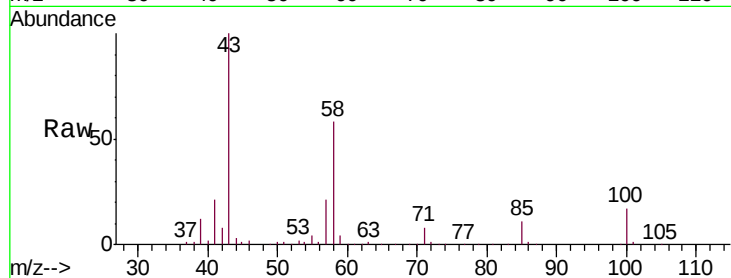




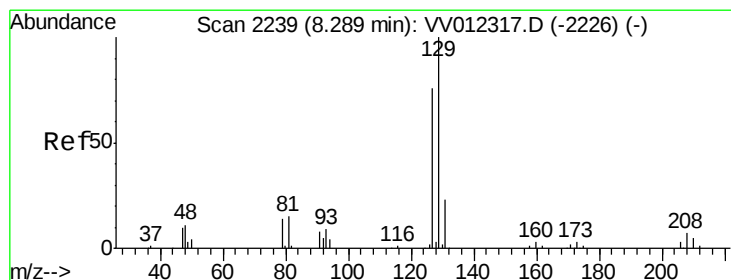
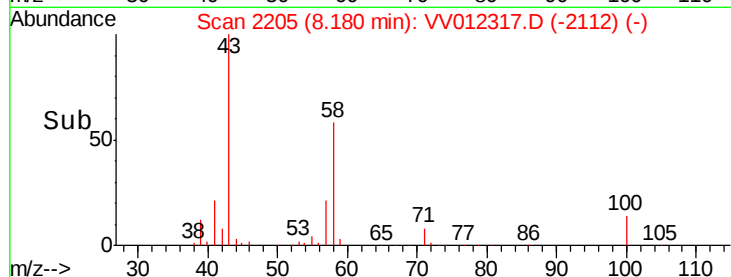
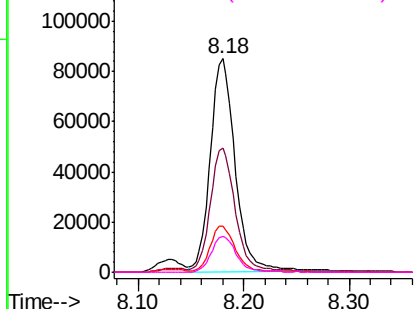
#48
2-Hexanone
Concen: 81.040 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV012317.D
Acq: 21 Aug 2019 16:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

Tgt Ion: 43 Resp: 139564
Ion Ratio Lower Upper
43 100
58 57.1 45.7 68.5
57 21.0 16.8 25.2
100 17.1 13.7 20.5

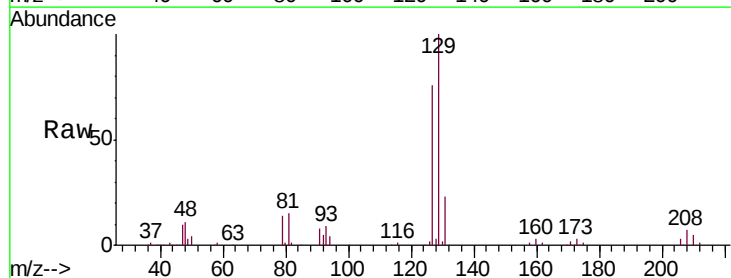


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

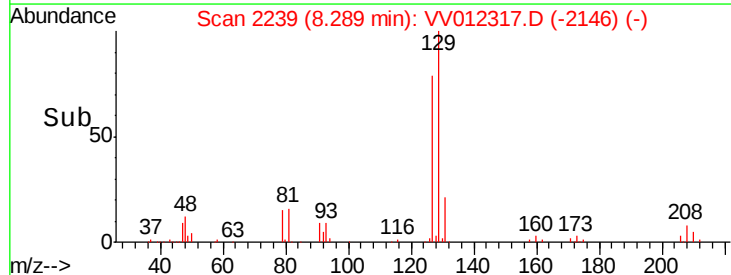
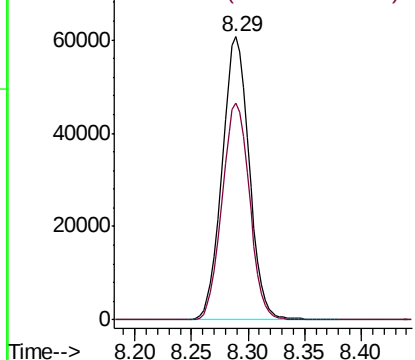


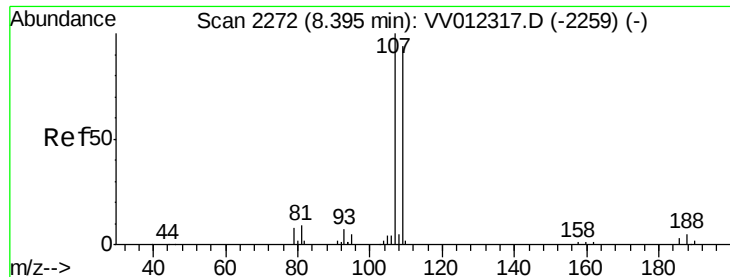
#49
Dibromochloromethane
Concen: 56.106 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012317.D
Acq: 21 Aug 2019 16:40

Tgt Ion: 129 Resp: 101187
Ion Ratio Lower Upper
129 100
127 76.5 53.5 99.5



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

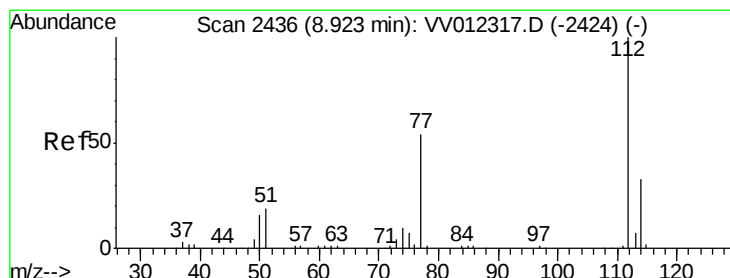
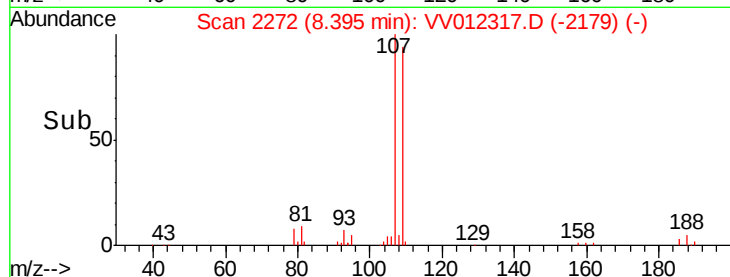
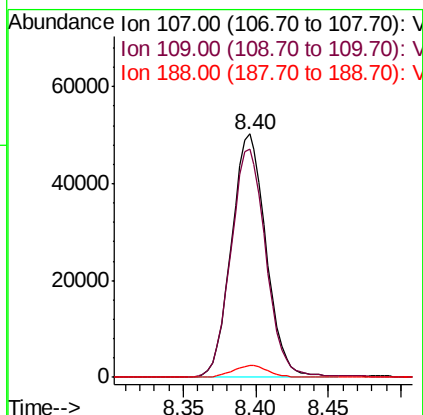
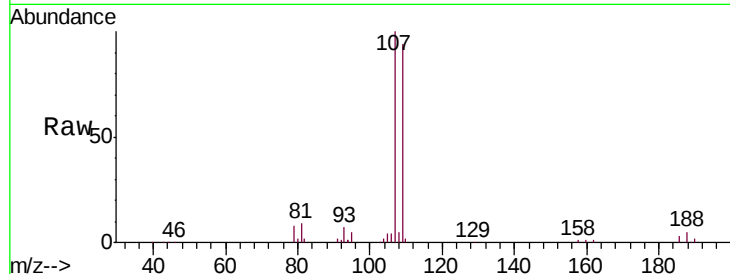




#50
1,2-Dibromoethane
Concen: 49.993 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012317.D
Acq: 21 Aug 2019 16:40

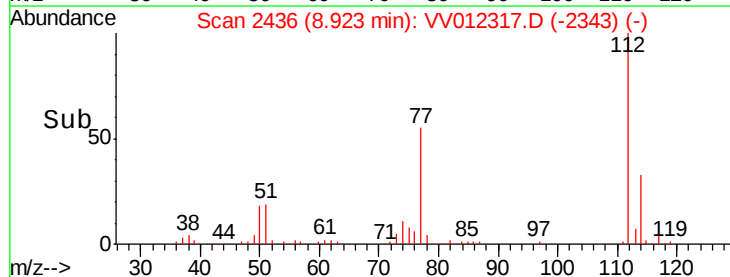
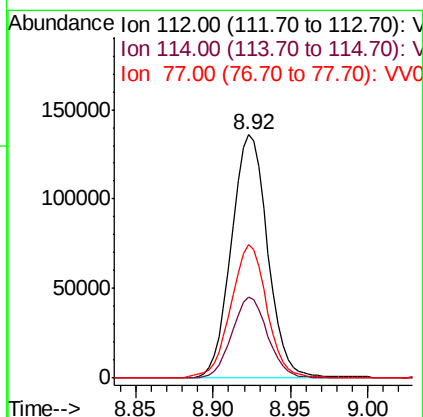
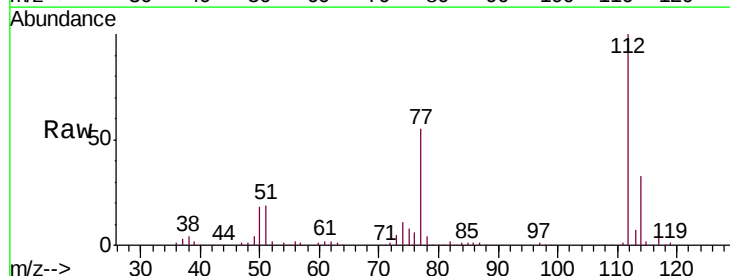
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

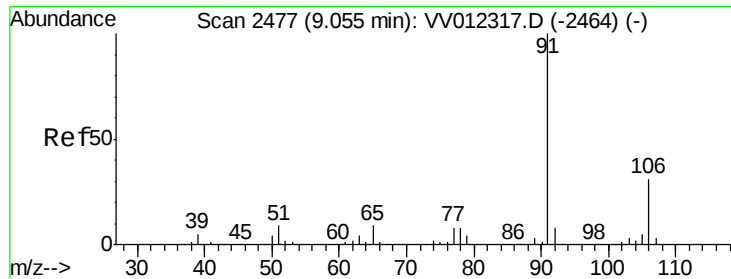
Tgt Ion:107 Resp: 83499
Ion Ratio Lower Upper
107 100
109 93.8 65.7 121.9
188 4.9 3.9 5.9



#51
Chlorobenzene
Concen: 50.086 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012317.D
Acq: 21 Aug 2019 16:40

Tgt Ion:112 Resp: 221430
Ion Ratio Lower Upper
112 100
114 33.5 23.4 43.6
77 54.7 43.8 65.6





#52

Ethylbenzene

Concen: 51.086 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

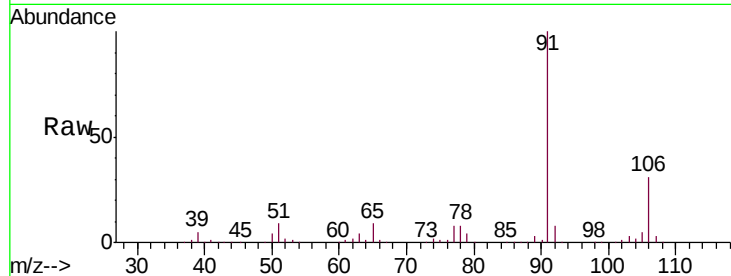
VSTD05062

Tgt Ion: 91 Resp: 373449

Ion Ratio Lower Upper

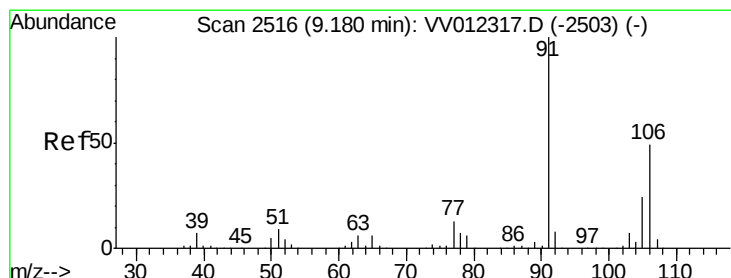
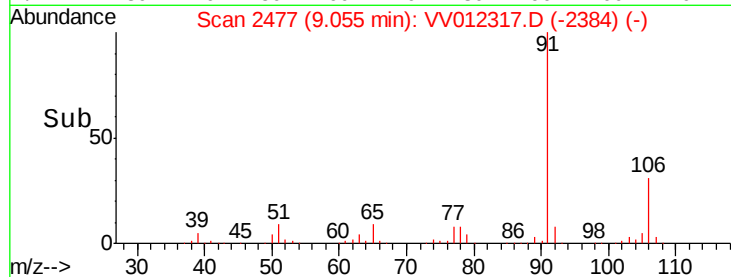
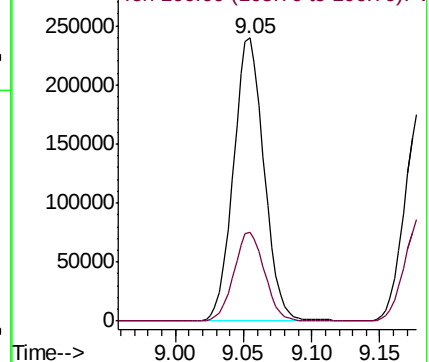
91 100

106 31.5 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 51.704 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012317.D

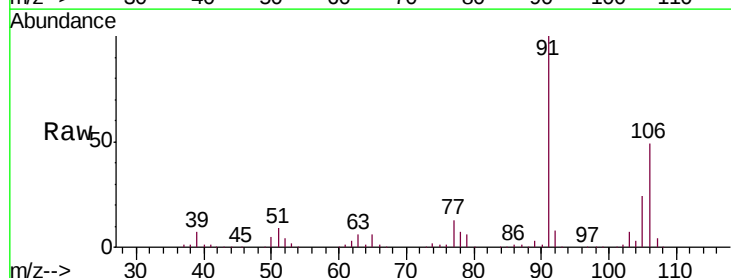
Acq: 21 Aug 2019 16:40

Tgt Ion: 106 Resp: 145193

Ion Ratio Lower Upper

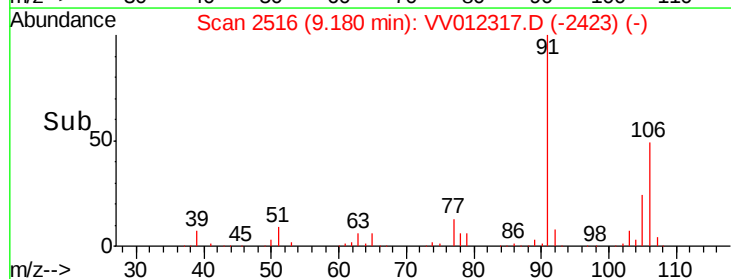
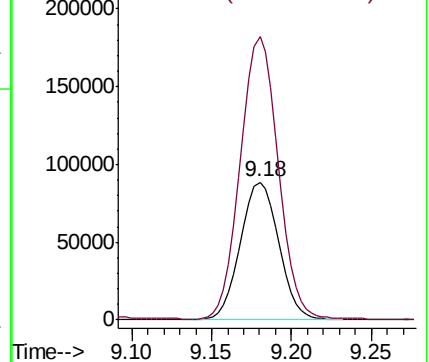
106 100

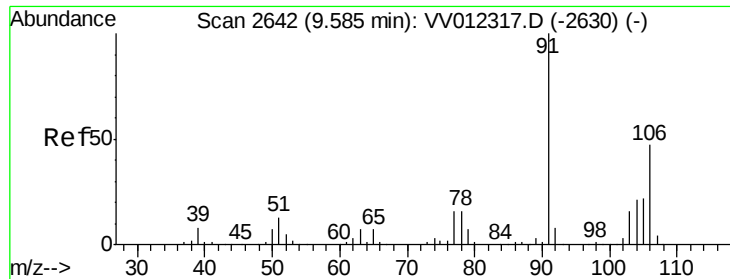
91 205.0 143.5 266.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#54

o-xylene

Concen: 52.174 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

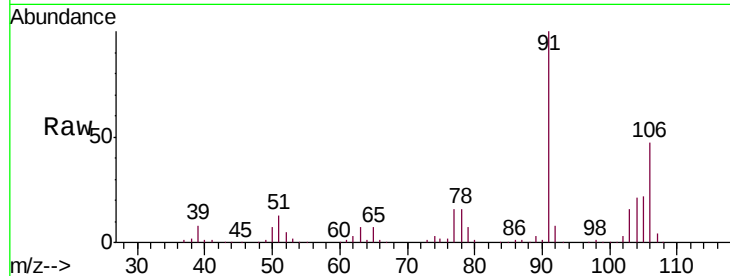
VSTD05062

Tgt Ion:106 Resp: 142397

Ion Ratio Lower Upper

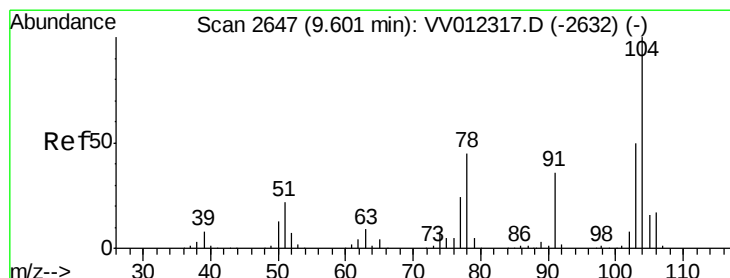
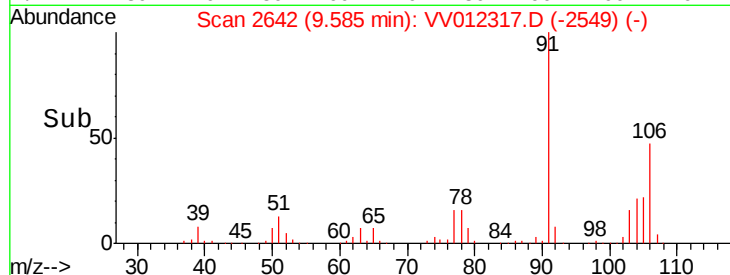
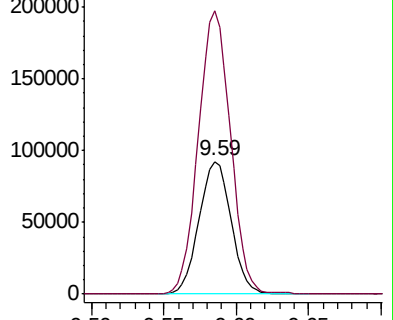
106 100

91 213.1 149.2 277.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.880 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012317.D

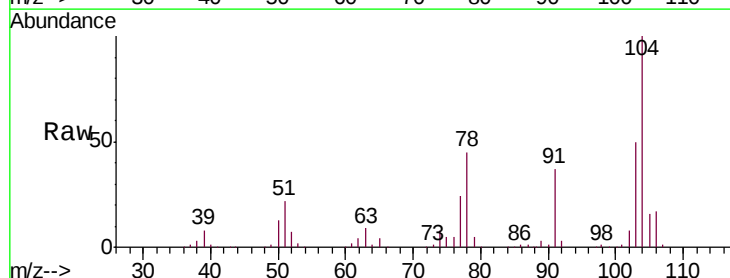
Acq: 21 Aug 2019 16:40

Tgt Ion:104 Resp: 242084

Ion Ratio Lower Upper

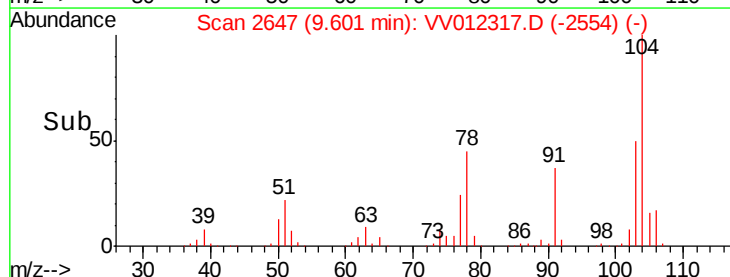
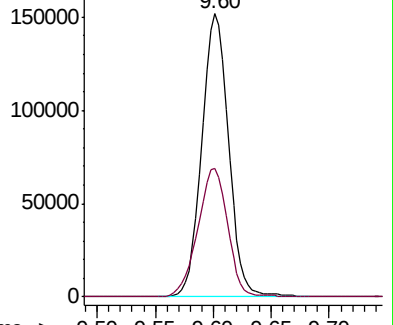
104 100

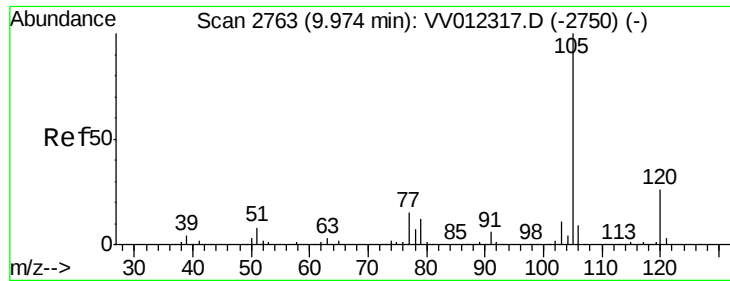
78 45.4 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.643 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

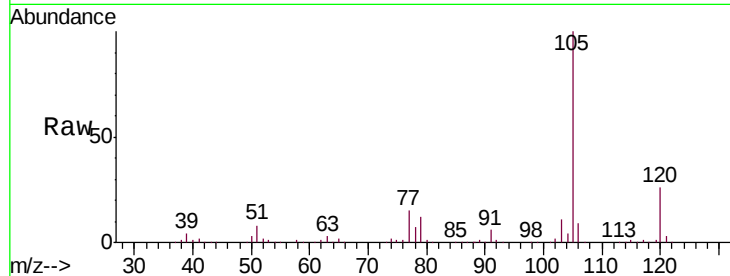
Tgt Ion: 105 Resp: 388177

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

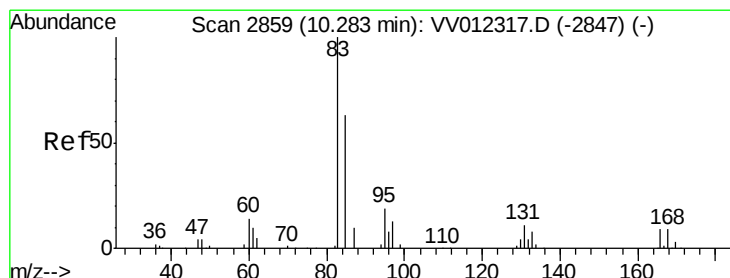
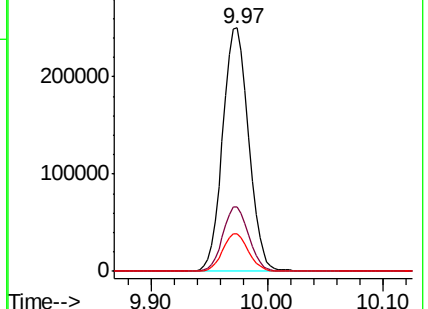
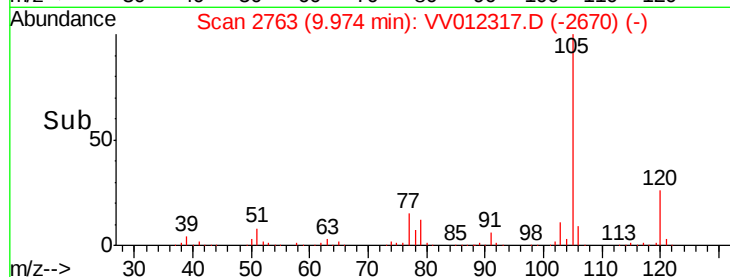
77 15.2 12.2 18.2



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: 44.028 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

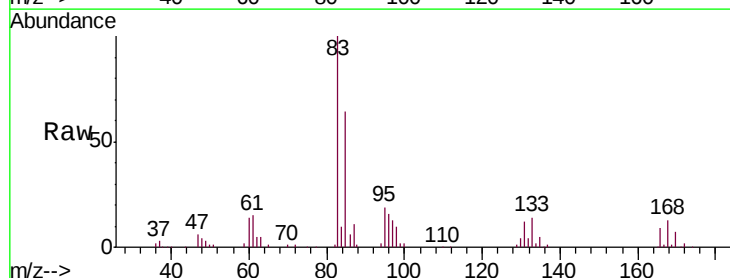
Tgt Ion: 83 Resp: 110060

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

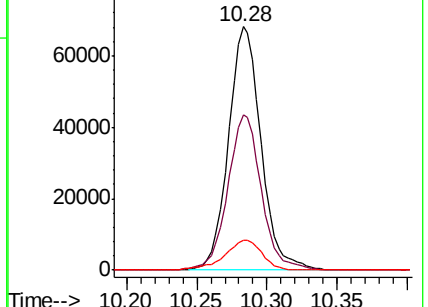
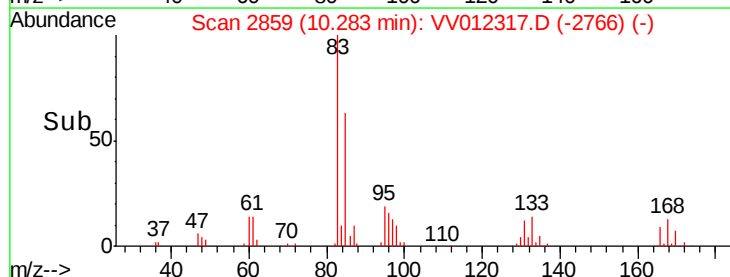
131 12.1 9.7 14.5

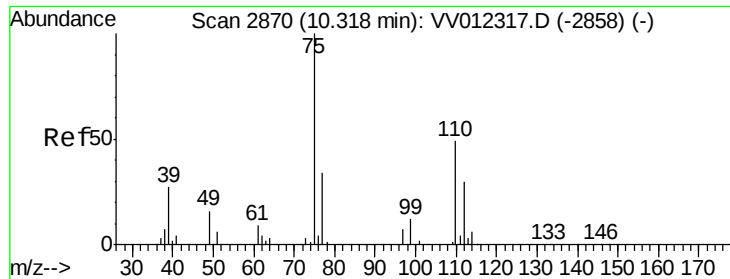


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.164 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

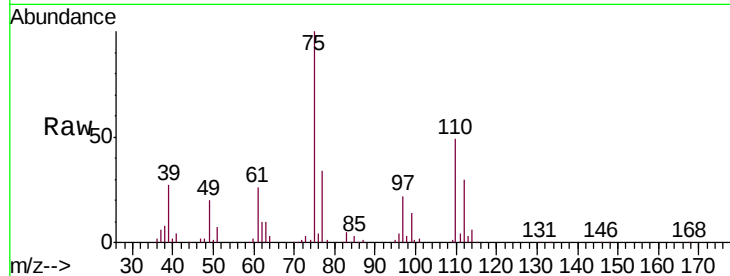
VSTD05062

Tgt Ion: 75 Resp: 91070

Ion Ratio Lower Upper

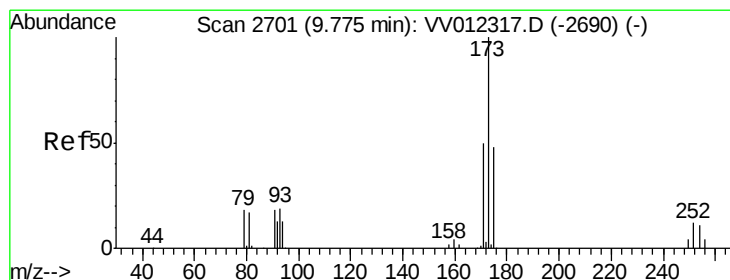
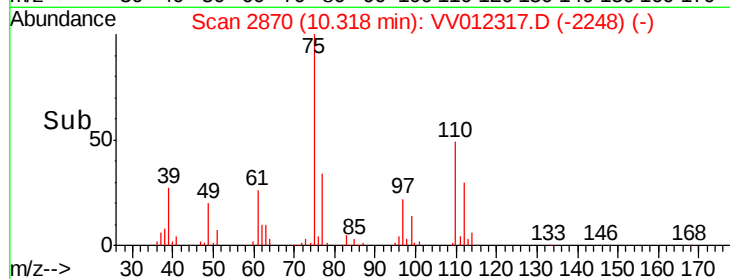
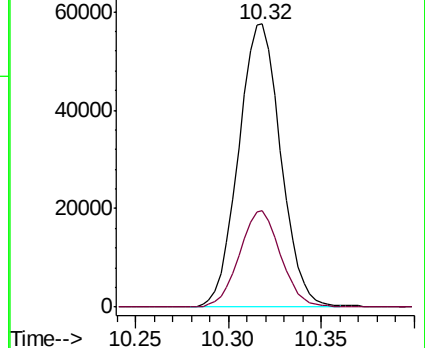
75 100

77 33.5 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 57.465 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

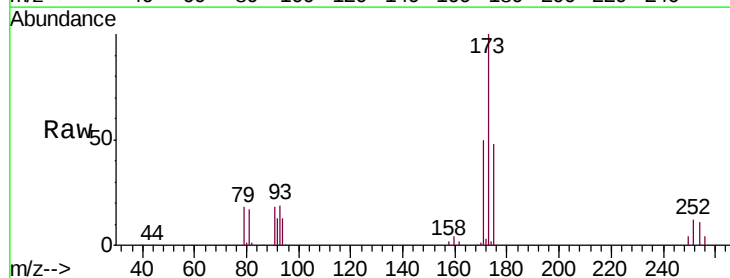
Tgt Ion: 173 Resp: 80421

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

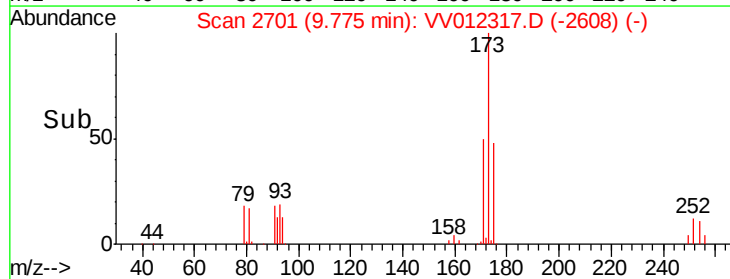
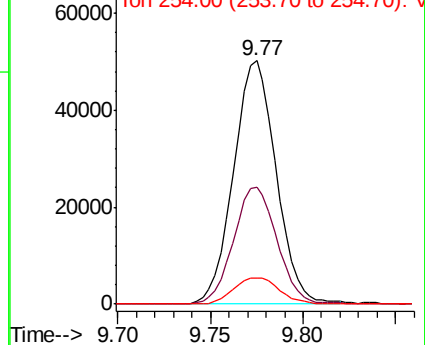
254 11.6 9.3 13.9

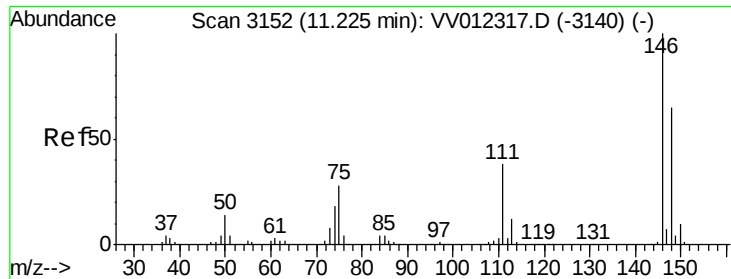


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 50.280 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

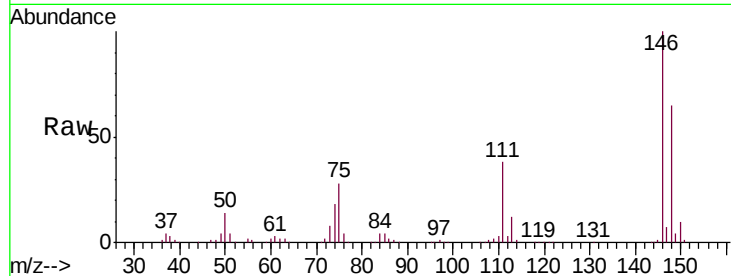
Tgt Ion:146 Resp: 188924

Ion Ratio Lower Upper

146 100

111 38.2 26.7 49.7

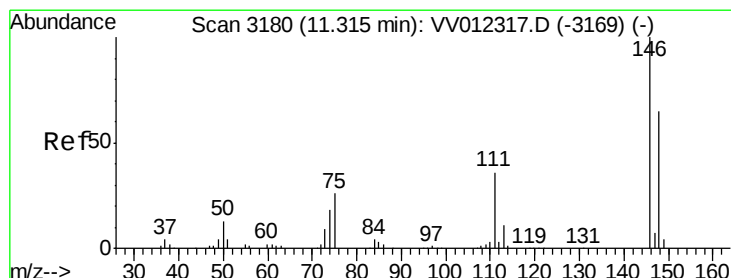
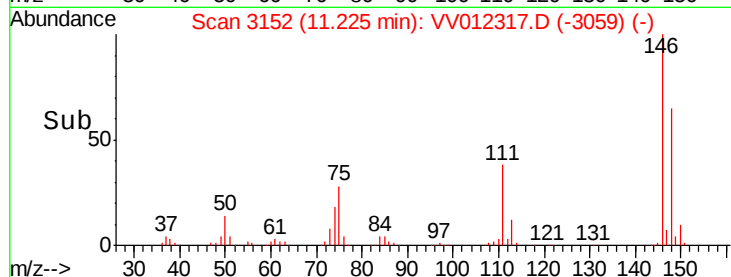
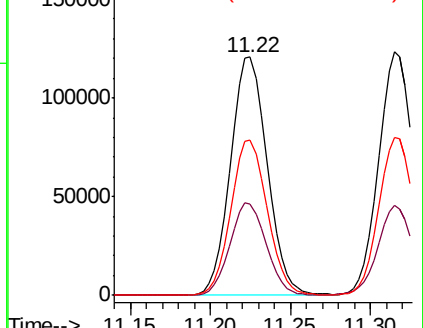
148 65.4 45.8 85.0



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: 49.628 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

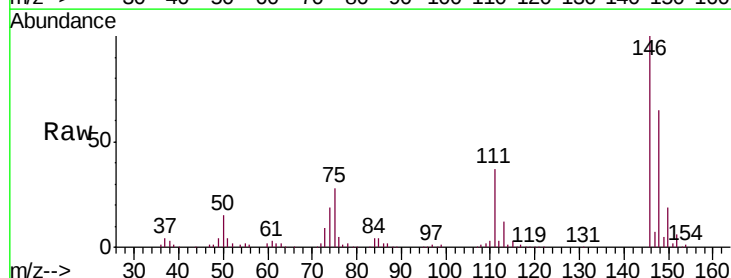
Tgt Ion:146 Resp: 190239

Ion Ratio Lower Upper

146 100

111 36.8 25.8 47.8

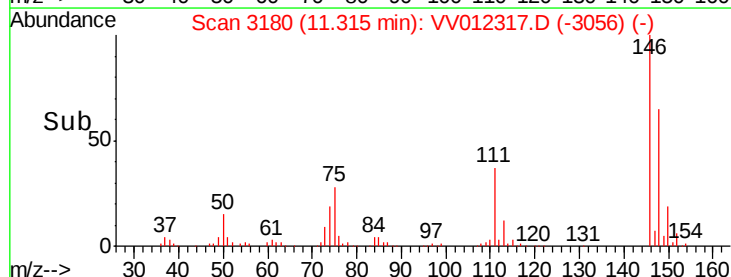
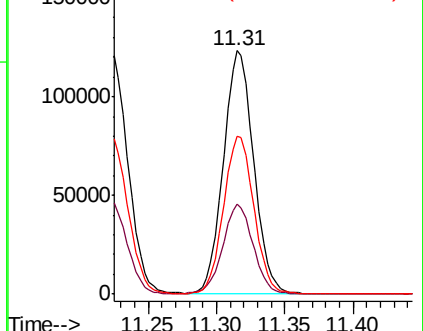
148 64.9 45.4 84.4

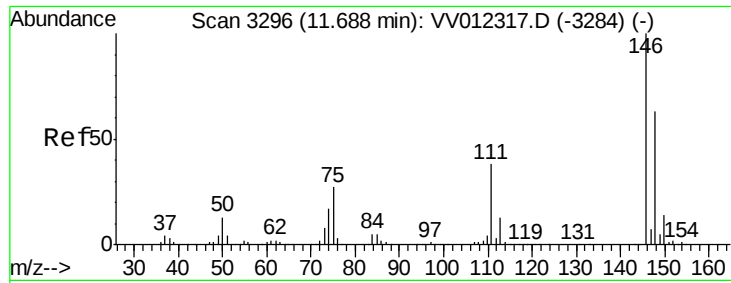


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.328 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

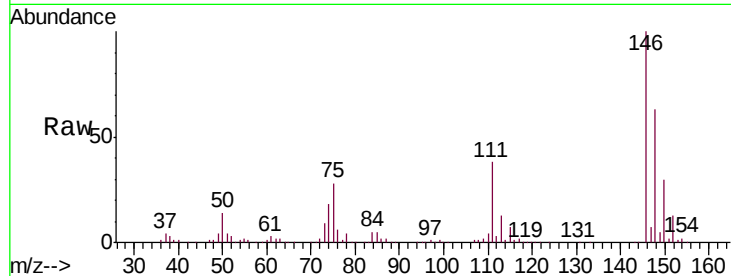
Tgt Ion: 146 Resp: 194095

Ion Ratio Lower Upper

146 100

111 38.1 30.5 45.7

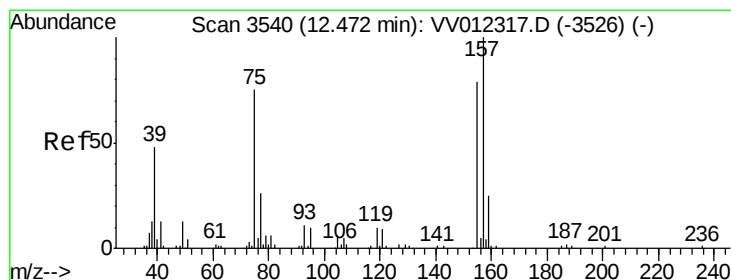
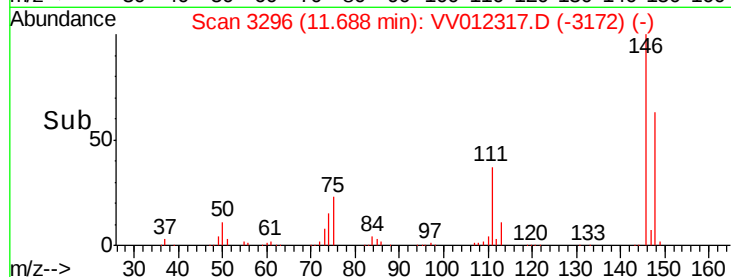
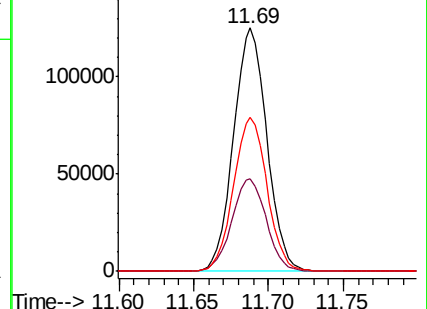
148 63.0 50.4 75.6



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: 48.475 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

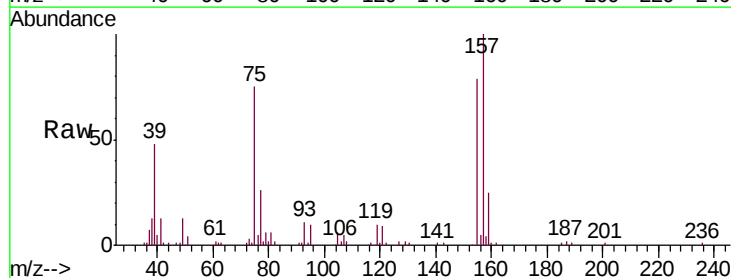
Tgt Ion: 75 Resp: 28100

Ion Ratio Lower Upper

75 100

155 104.5 83.6 125.4

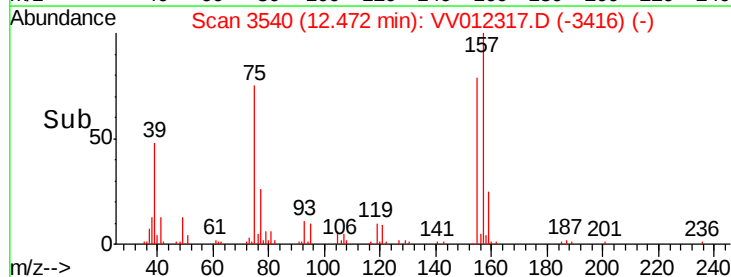
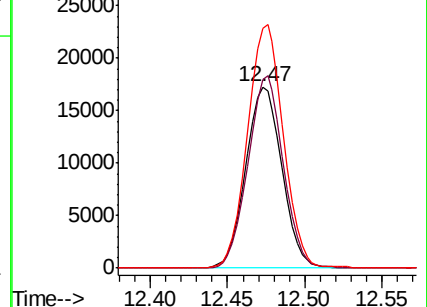
157 132.6 106.1 159.1

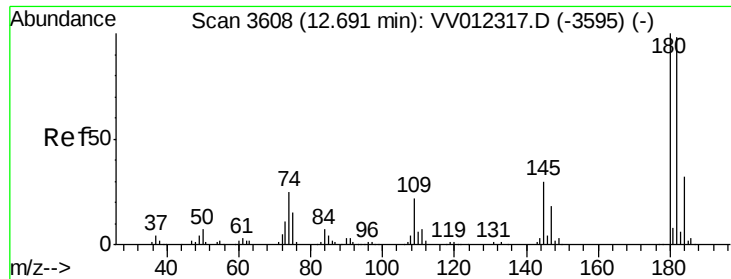


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

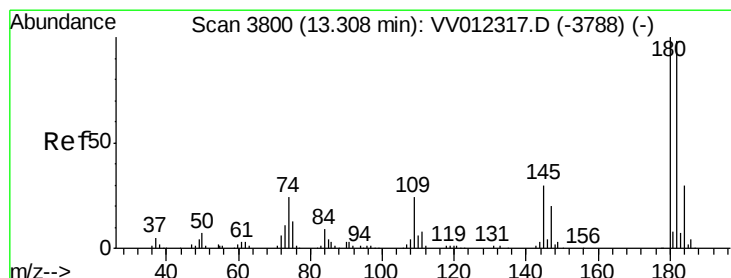
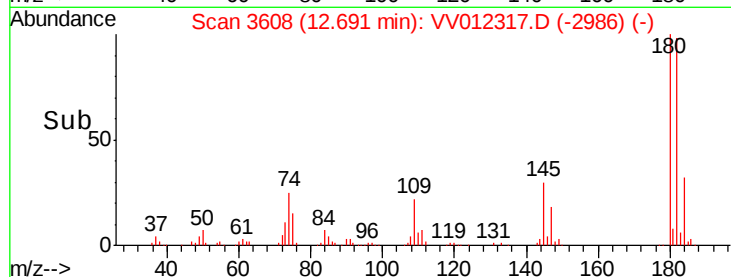
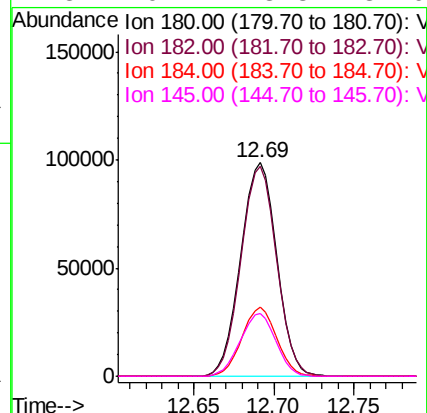
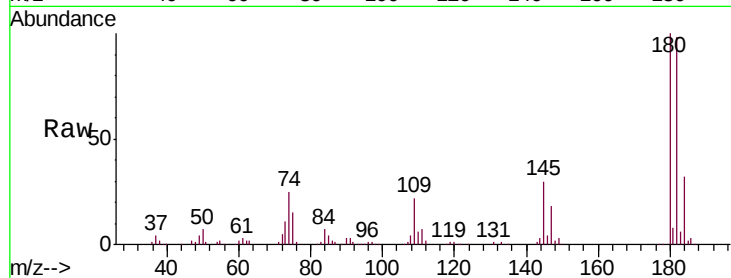




#67
 1,3,5-Trichlorobenzene
 Concen: 52.668 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012317.D
 Acq: 21 Aug 2019 16:40

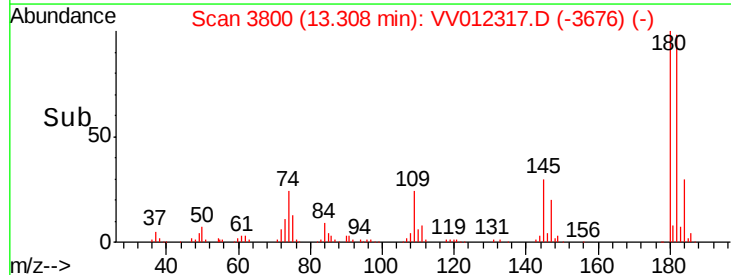
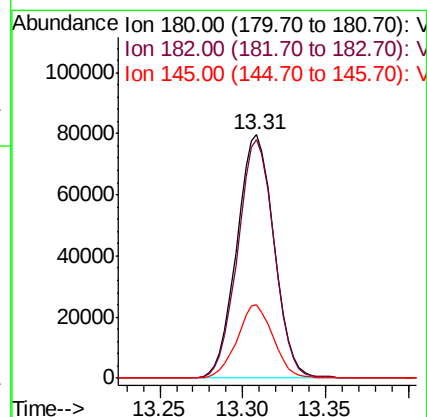
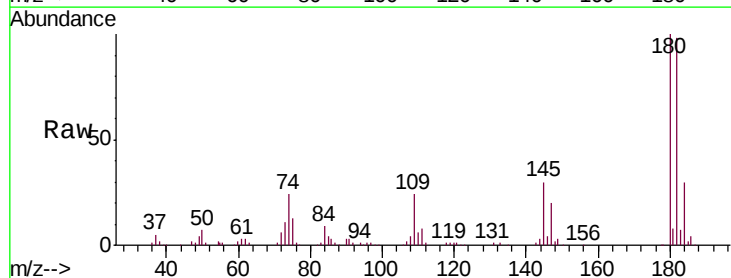
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

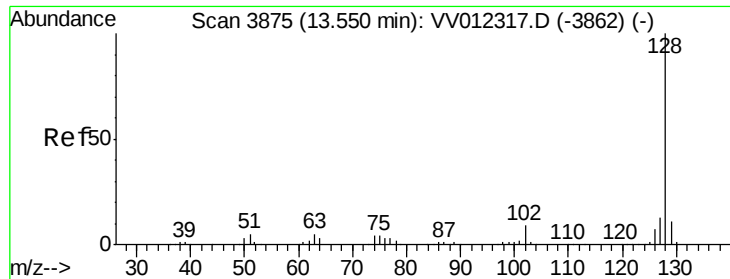
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.6	116.4
184	31.1	24.9	37.3
145	29.1	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 52.592 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012317.D
 Acq: 21 Aug 2019 16:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	29.3	23.4	35.2





#69

Naphthalene

Concen: 50.951 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

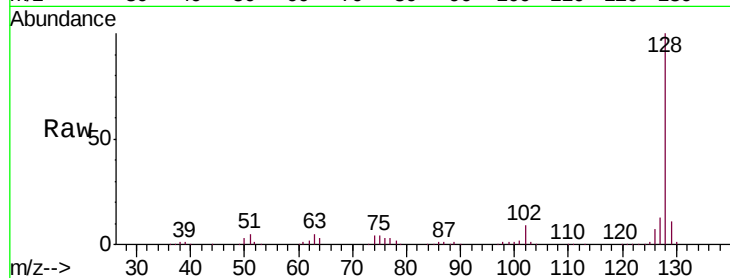
Tgt Ion:128 Resp: 341105

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

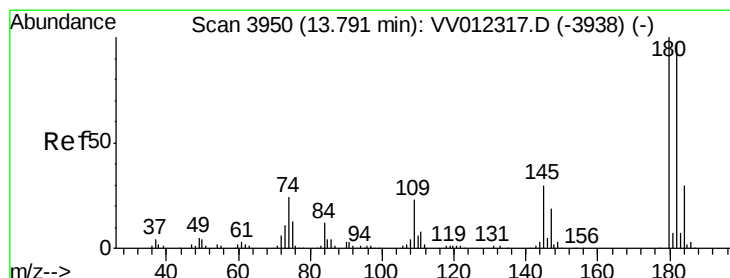
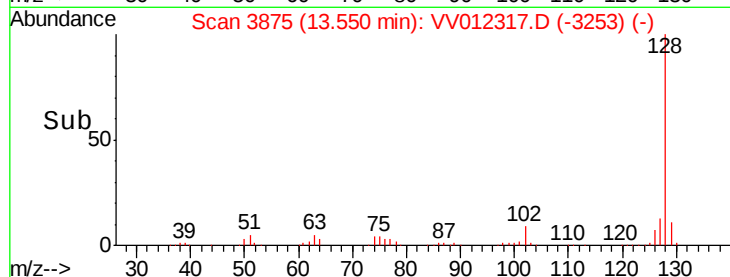
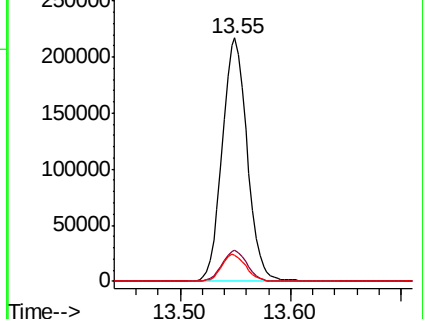
129 11.0 8.8 13.2



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: 51.636 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012317.D

Acq: 21 Aug 2019 16:40

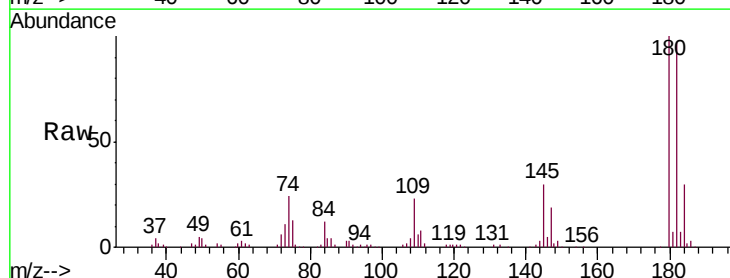
Tgt Ion:180 Resp: 128417

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 30.6 24.5 36.7



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

