

Data File : VV012318.D
Acq On : 21 Aug 2019 17:05
Operator : SY/MD
Sample : VSTD10063
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

Quant Time: Aug 22 02:24:58 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	234687	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	214203	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	117670	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	112031	76.11	ug/L	0.00
7) Chloroethane-d5	1.57	69	81135	64.66	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	218760	79.12	ug/L	0.00
21) 2-Butanone-d5	3.92	46	193123	150.98	ug/L	0.00
24) Chloroform-d	4.40	84	327049	94.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	222274	99.02	ug/L	0.00
32) Benzene-d6	5.10	84	593948	90.05	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	158655	79.53	ug/L	0.00
41) Toluene-d8	7.36	98	583954	96.43	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	102882	98.07	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	146697	168.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	232375	79.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	264469	94.34	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	203245	101.053	ug/L	99
3) Chloromethane	1.25	50	115505	66.563	ug/L	99
5) Vinyl chloride	1.32	62	115576	65.665	ug/L	99
6) Bromomethane	1.52	94	58819	62.009	ug/L	94
8) Chloroethane	1.59	64	63702	64.747	ug/L	97
9) Trichlorofluoromethane	1.77	101	232525	94.521	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	103137	77.066	ug/L	98
12) 1,1-Dichloroethene	2.14	96	95044	75.058	ug/L	92
13) Acetone	2.18	43	118394	118.917	ug/L	99
14) Carbon disulfide	2.32	76	355648	84.676	ug/L	100
15) Methyl Acetate	2.45	43	127550	77.290	ug/L	100
16) Methylene chloride	2.53	84	144185	89.258	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	144055	92.802	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	496411	104.593	ug/L	99
19) 1,1-Dichloroethane	3.23	63	246454	89.161	ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	165403	96.161	ug/L	99
22) 2-Butanone	4.01	43	197015	155.301	ug/L	100
23) Bromochloromethane	4.30	128	90846	99.983	ug/L	99
25) Chloroform	4.42	83	294991	98.613	ug/L	99
27) 1,2-Dichloroethane	5.18	62	248433	109.346	ug/L	100
29) Cyclohexane	4.72	56	206790	88.588	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	287972	115.103	ug/L	99
31) Carbon tetrachloride	4.87	117	272935	121.038	ug/L	100
33) Benzene	5.14	78	565533	95.060	ug/L	100
34) Trichloroethene	5.96	95	162822	101.328	ug/L	98
35) Methylcyclohexane	6.18	83	249518	98.628	ug/L	99
37) 1,2-Dichloropropane	6.22	63	128756	86.414	ug/L	99
38) Bromodichloromethane	6.55	83	229296	109.940	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	245855	102.042	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	362547	176.392	ug/L	99

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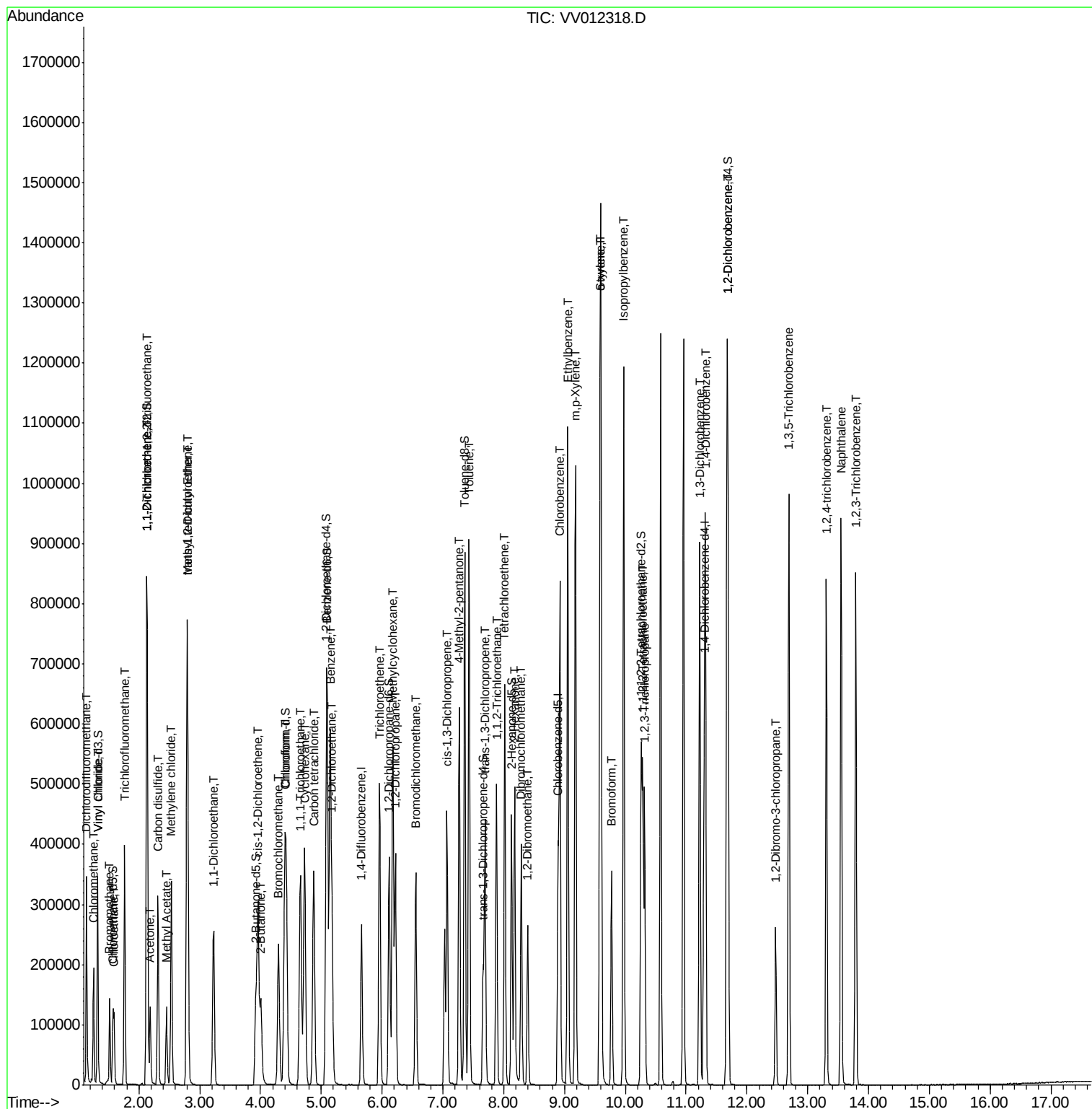
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	639363	100.014	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	238868	107.735	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	149973	99.961	ug/L	96
46) Tetrachloroethene	8.02	164	157247	112.635	ug/L	98
48) 2-Hexanone	8.18	43	268094	160.332	ug/L	99
49) Dibromochloromethane	8.29	129	205700	117.470	ug/L	99
50) 1,2-Dibromoethane	8.40	107	169109	104.279	ug/L	100
51) Chlorobenzene	8.92	112	437828	101.998	ug/L	99
52) Ethylbenzene	9.05	91	746666	105.198	ug/L	100
53) m,p-Xylene	9.18	106	287924	105.600	ug/L	99
54) o-xylene	9.59	106	284551	107.380	ug/L	100
55) Styrene	9.60	104	488352	107.790	ug/L	99
56) Isopropylbenzene	9.97	105	772727	109.981	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	219563	90.463	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	183647	95.879	ug/L	98
61) Bromoform	9.77	173	165949	118.755	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	386235	102.945	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	381401	99.645	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	381626	101.070	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	60656	104.793	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	317058	110.411	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	271873	114.900	ug/L	99
69) Naphthalene	13.55	128	753754	112.755	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	274692	110.618	ug/L	99

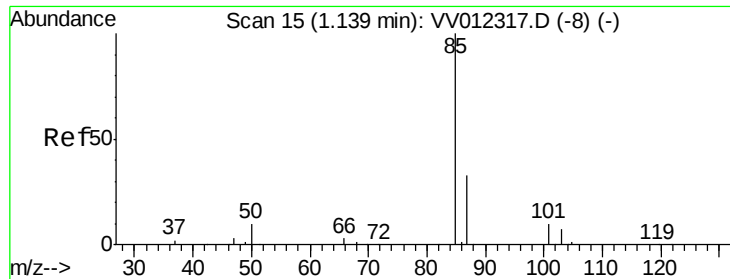
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 101.053 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

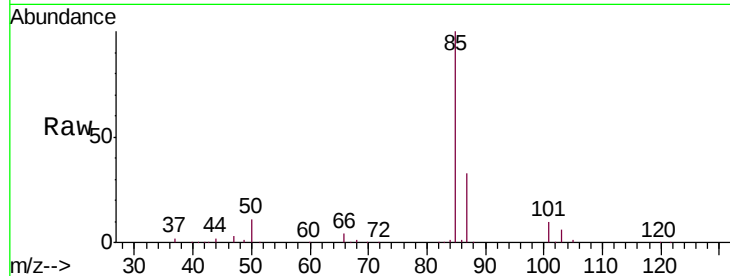
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

Tgt Ion: 85 Resp: 203245

Ion Ratio Lower Upper

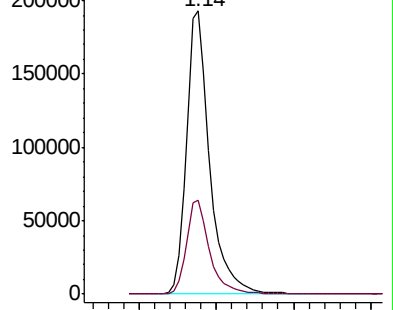
85 100

87 32.9 25.9 38.9

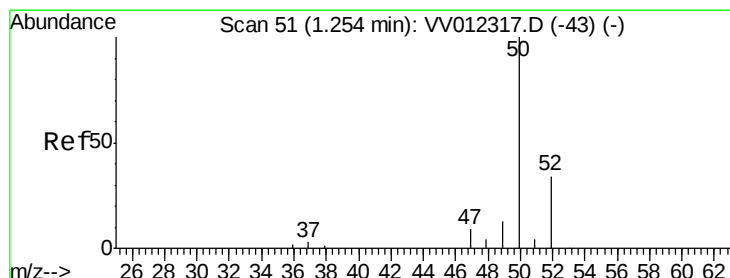
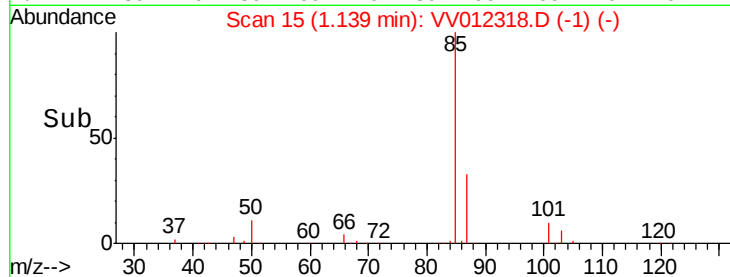


Abundance Ion 85.00 (84.70 to 85.70): VV012317.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012318.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 66.563 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012318.D

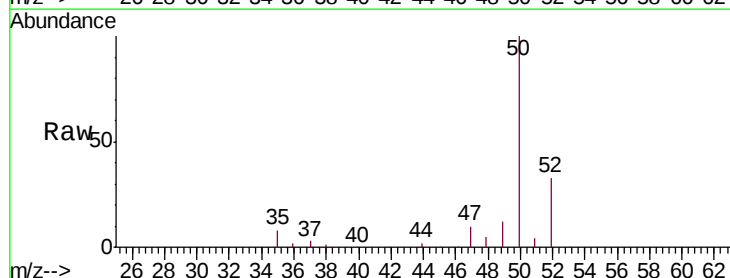
Acq: 21 Aug 2019 17:05

Tgt Ion: 50 Resp: 115505

Ion Ratio Lower Upper

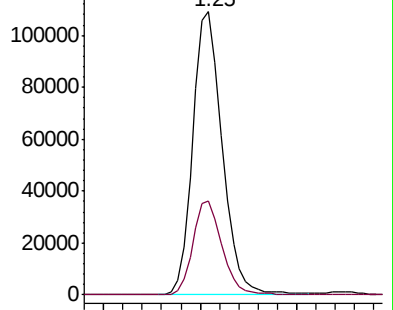
50 100

52 33.3 23.8 44.2

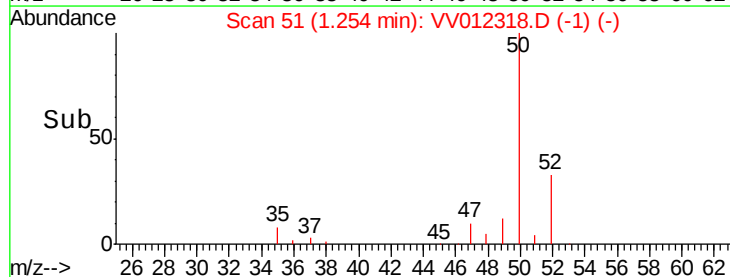


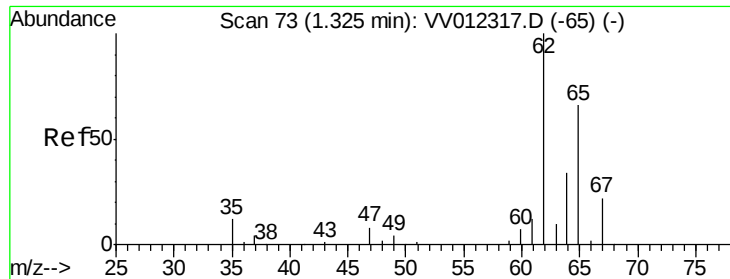
Abundance Ion 50.00 (49.70 to 50.70): VV012317.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV012318.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 65.665 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

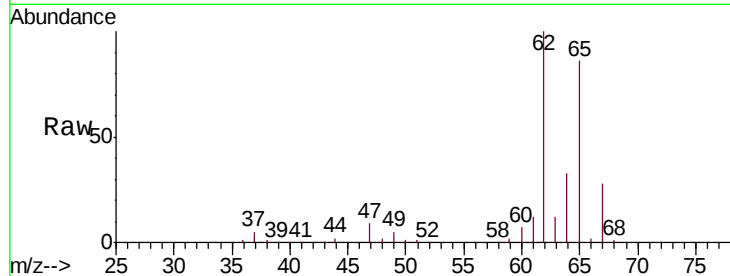
VSTD10063

Tgt Ion: 62 Resp: 115576

Ion Ratio Lower Upper

62 100

64 33.1 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

120000

100000

80000

60000

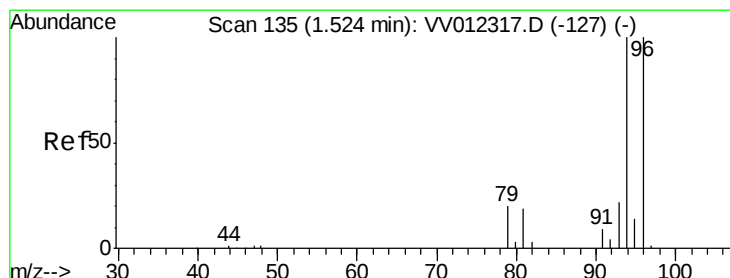
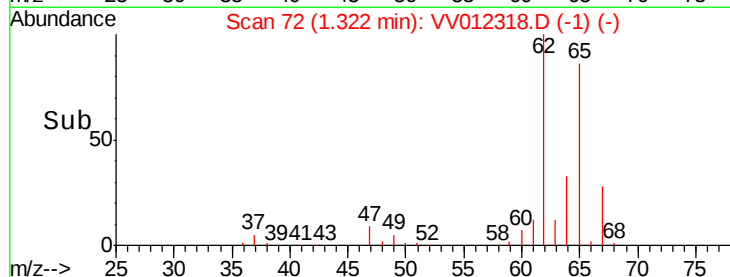
40000

20000

0

Time-->

1.30 1.35 1.40



#6

Bromomethane

Concen: 62.009 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV012318.D

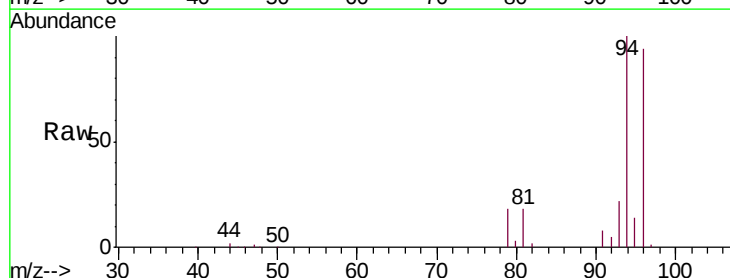
Acq: 21 Aug 2019 17:05

Tgt Ion: 94 Resp: 58819

Ion Ratio Lower Upper

94 100

96 94.3 70.1 130.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

50000

40000

30000

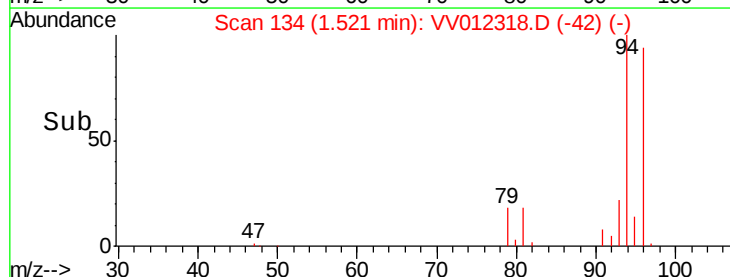
20000

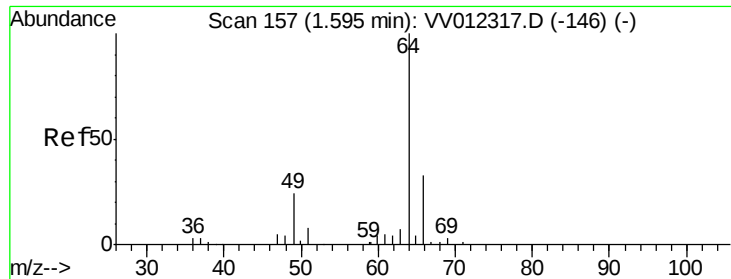
10000

0

Time-->

1.50 1.55





#8

Chloroethane

Concen: 64.747 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

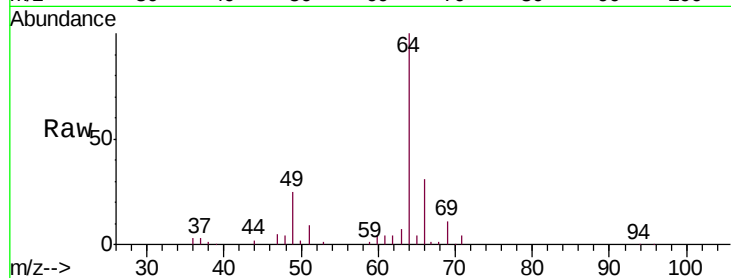
VSTD10063

Tgt Ion: 64 Resp: 63702

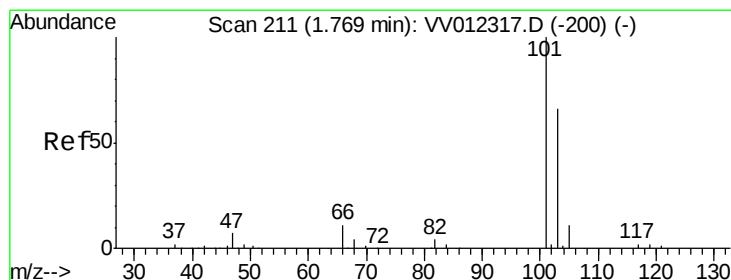
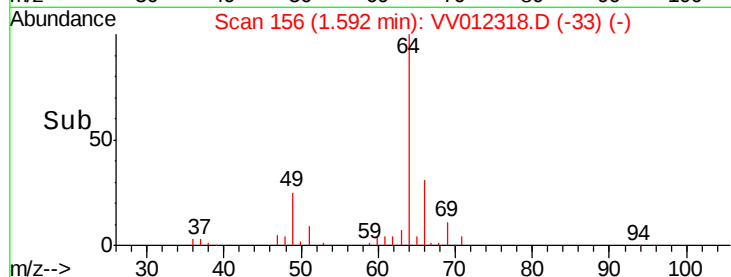
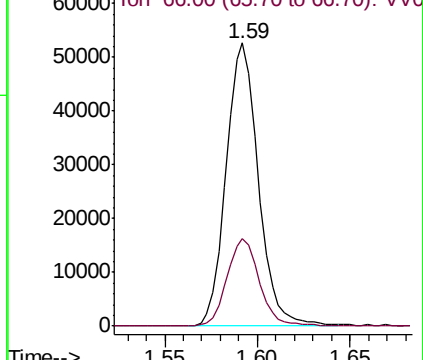
Ion Ratio Lower Upper

64 100

66 31.0 22.8 42.4



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



#9

Trichlorofluoromethane

Concen: 94.521 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV012318.D

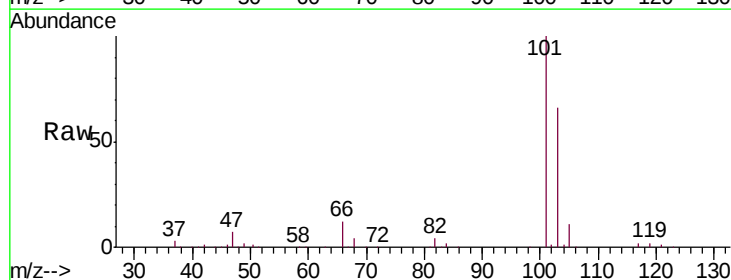
Acq: 21 Aug 2019 17:05

Tgt Ion: 101 Resp: 232525

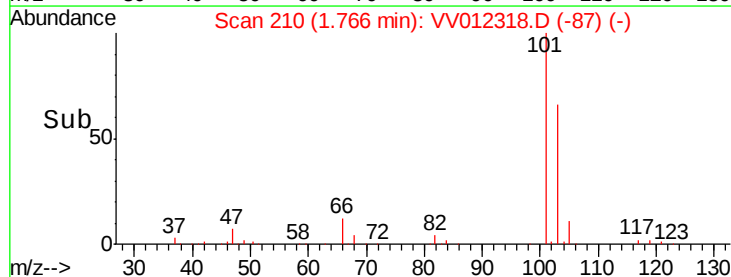
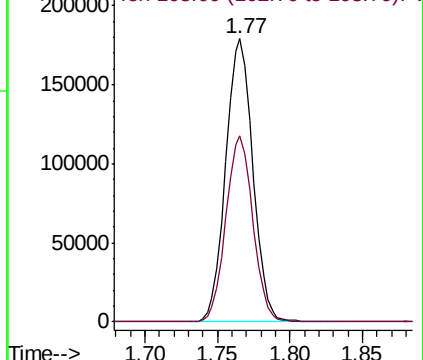
Ion Ratio Lower Upper

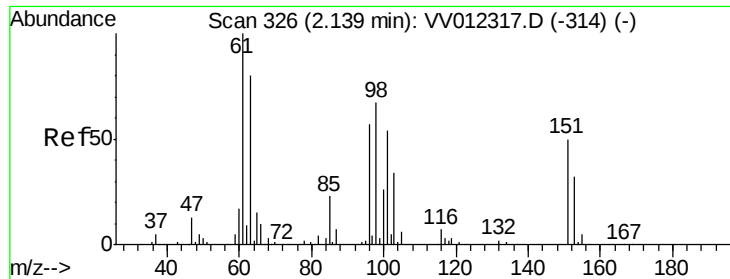
101 100

103 65.1 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: 77.066 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

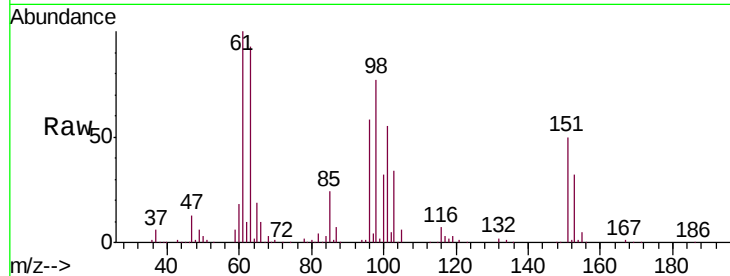
Tgt Ion: 101 Resp: 103137

Ion Ratio Lower Upper

101 100

85 43.3 33.7 50.5

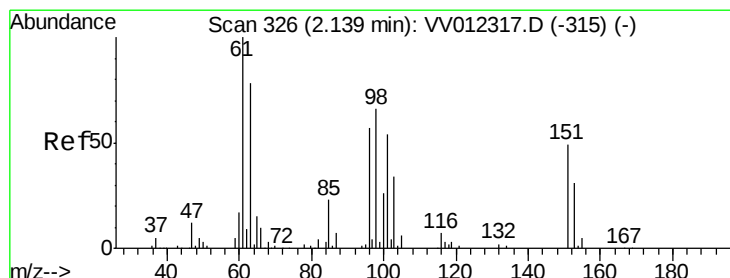
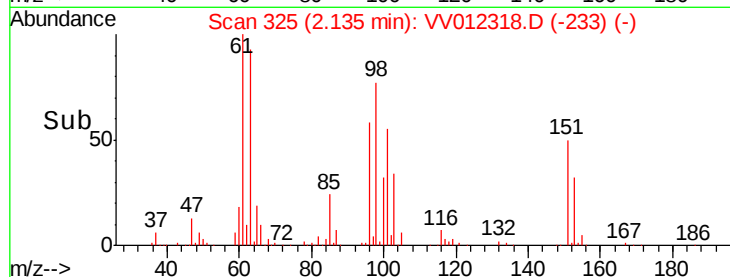
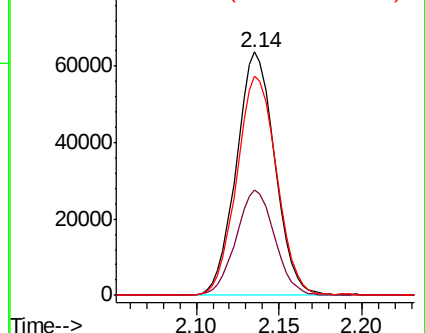
151 92.8 73.0 109.6



Abundance Ion 101.00 (100.70 to 101.70): VV012317.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV012317.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV012317.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 75.058 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

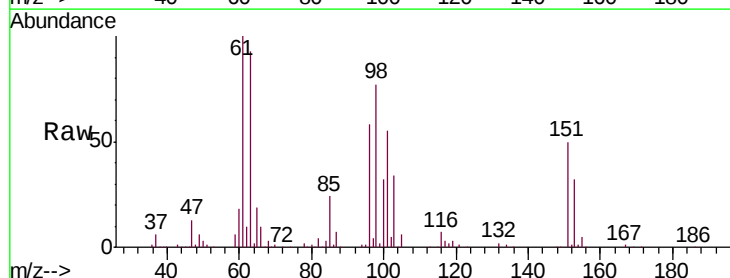
Tgt Ion: 96 Resp: 95044

Ion Ratio Lower Upper

96 100

61 173.6 122.6 227.8

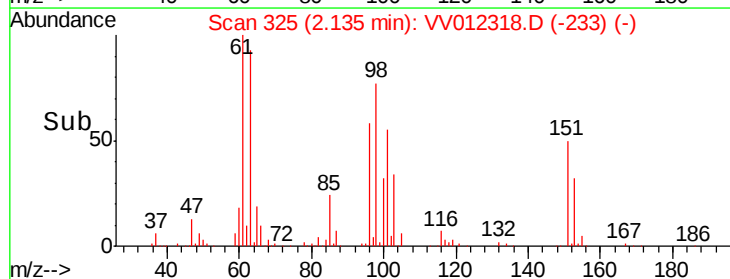
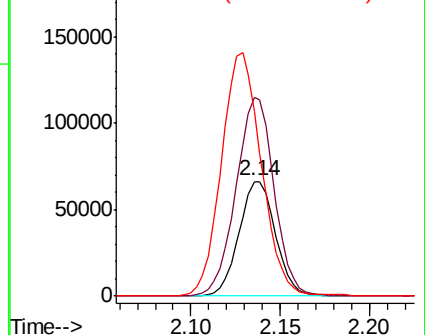
63 161.1 98.6 183.2

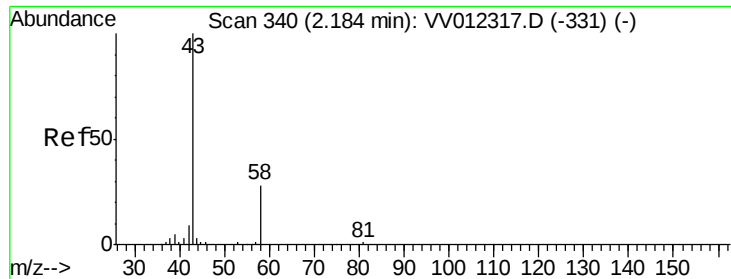


Abundance Ion 96.00 (95.70 to 96.70): VV012318.D (-233) (-)

Ion 61.00 (60.70 to 61.70): VV012318.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV012318.D (-233) (-)





#13

Acetone

Concen: 118.917 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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Acq: 21 Aug 2019 17:05

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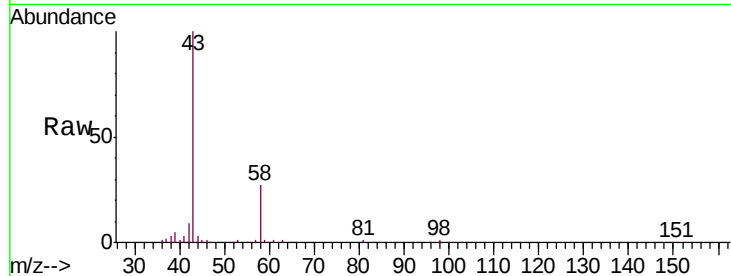
VSTD10063

Tgt Ion: 43 Resp: 118394

Ion Ratio Lower Upper

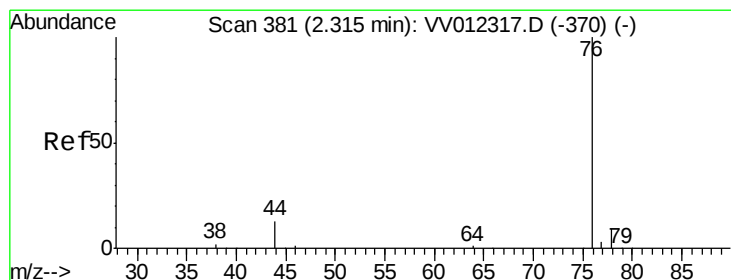
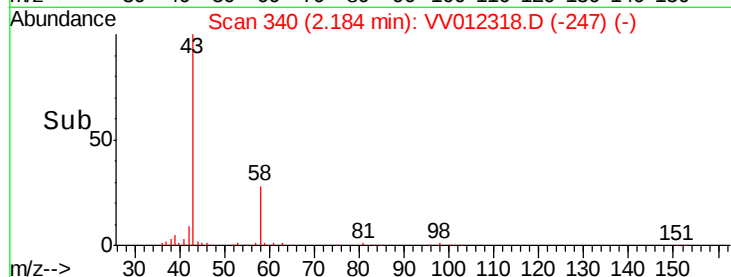
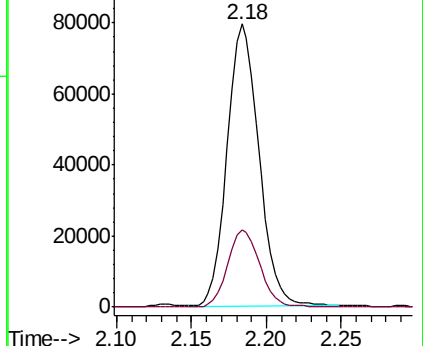
43 100

58 27.9 0.0 54.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 84.676 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012318.D

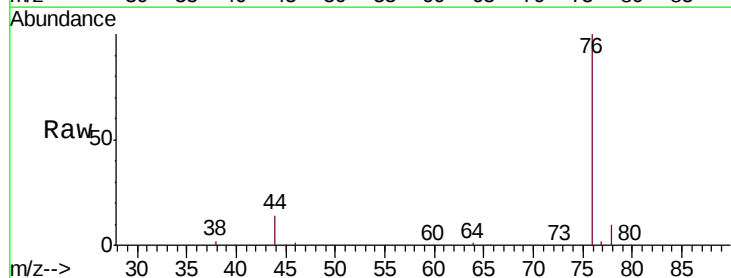
Acq: 21 Aug 2019 17:05

Tgt Ion: 76 Resp: 355648

Ion Ratio Lower Upper

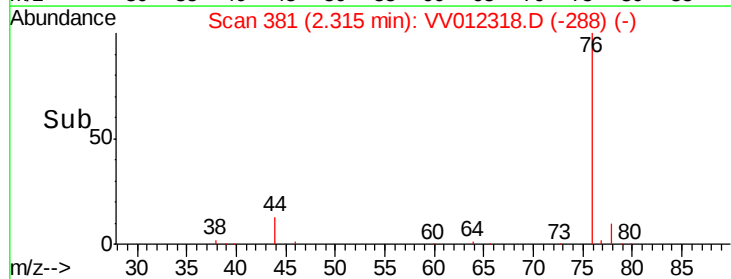
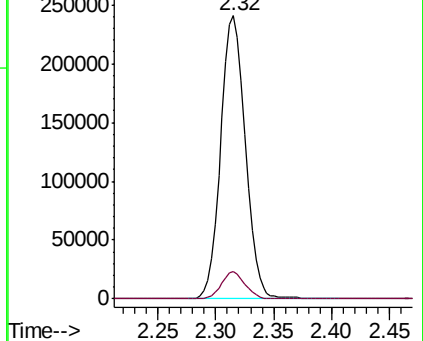
76 100

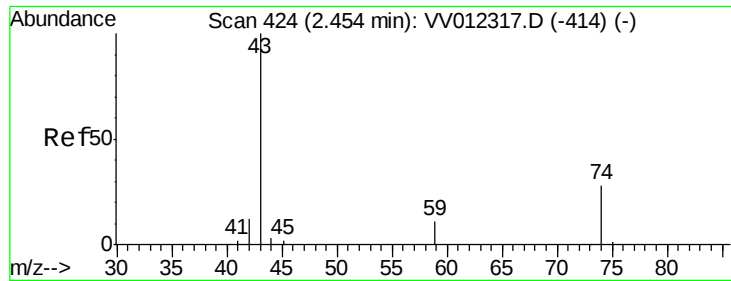
78 9.5 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

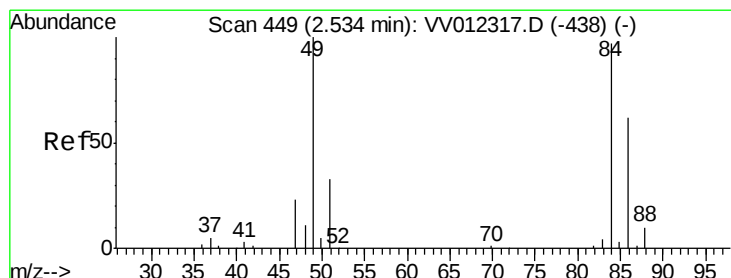
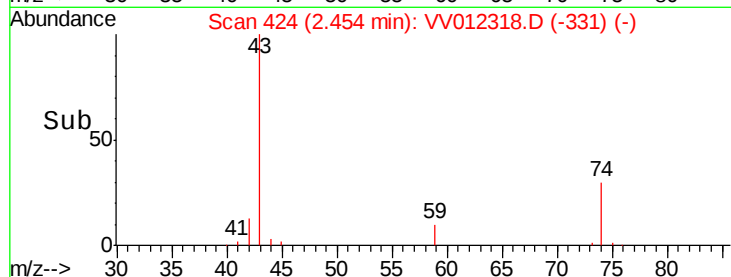
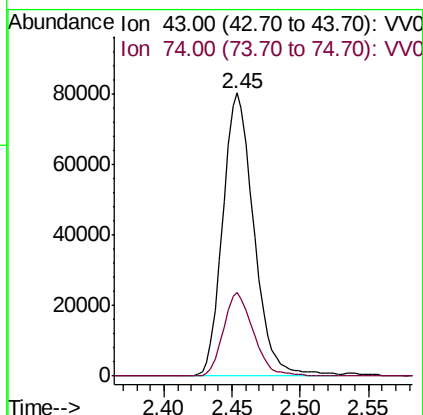
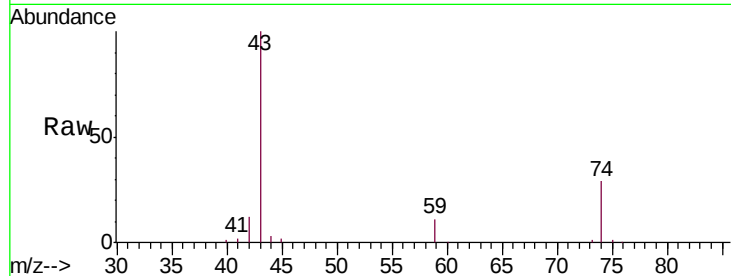




#15
Methyl Acetate
Concen: 77.290 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV012318.D
Acq: 21 Aug 2019 17:05

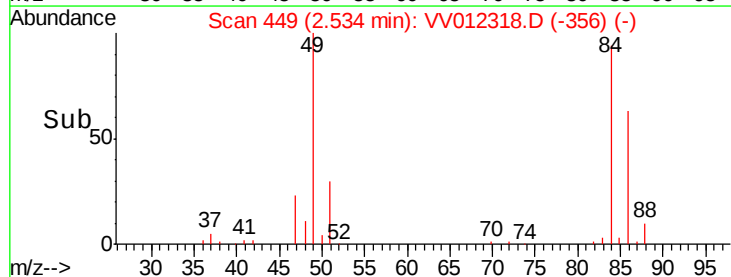
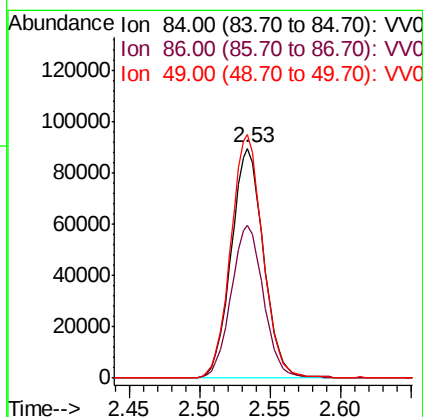
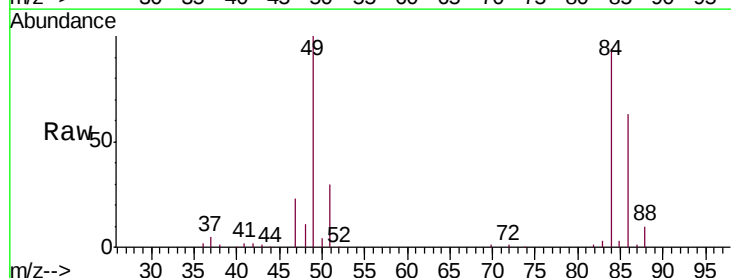
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

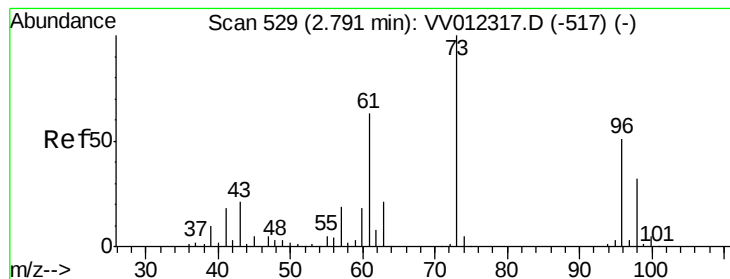
Tgt Ion: 43 Resp: 127550
Ion Ratio Lower Upper
43 100
74 28.4 22.6 33.8



#16
Methylene chloride
Concen: 89.258 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012318.D
Acq: 21 Aug 2019 17:05

Tgt Ion: 84 Resp: 144185
Ion Ratio Lower Upper
84 100
86 66.7 44.7 83.1
49 106.1 72.1 133.9





#17

trans-1,2-Dichloroethene

Concen: 92.802 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

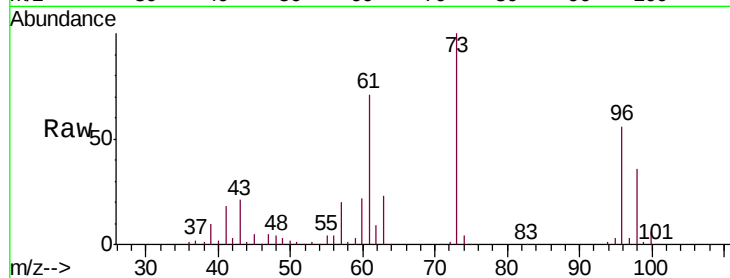
Tgt Ion: 96 Resp: 144055

Ion Ratio Lower Upper

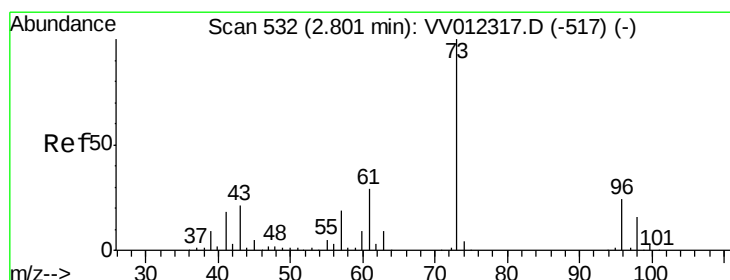
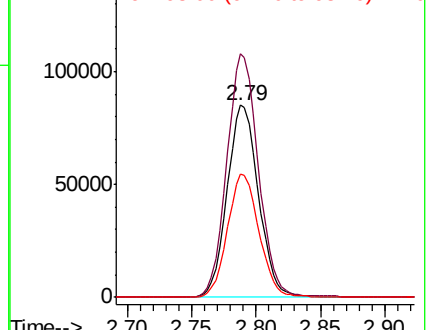
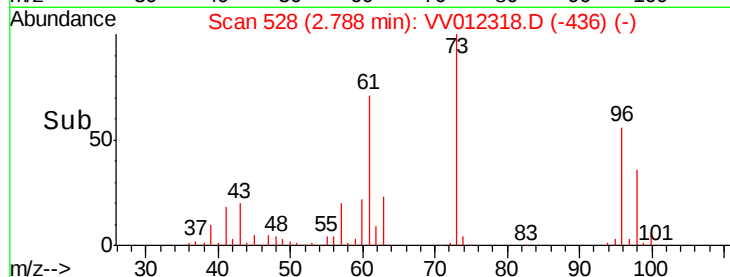
96 100

61 126.7 87.0 161.6

98 63.9 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VV012318.D (-436) (-)



#18

Methyl tert-butyl Ether

Concen: 104.593 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

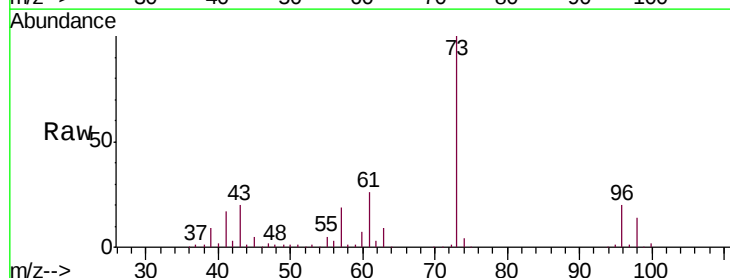
Tgt Ion: 73 Resp: 496411

Ion Ratio Lower Upper

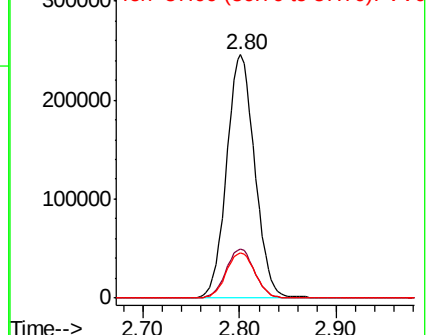
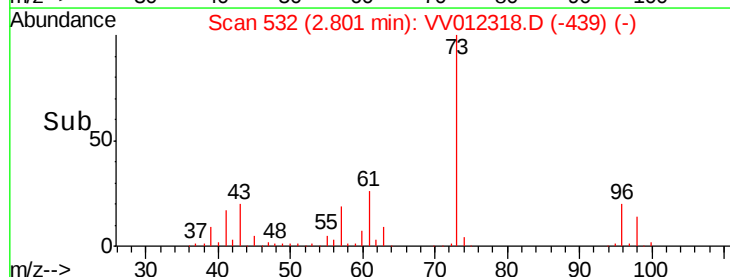
73 100

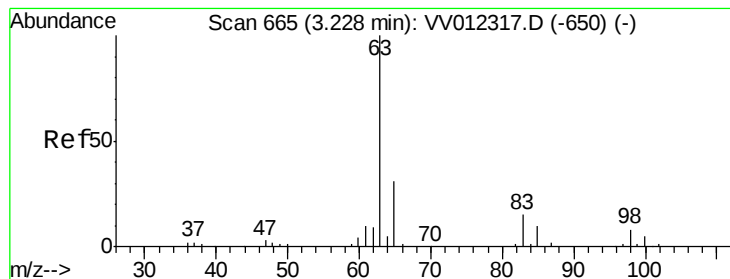
43 20.4 16.6 25.0

57 19.2 15.0 22.6



Abundance Ion 73.00 (72.70 to 73.70): VV012318.D (-439) (-)





#19

1,1-Dichloroethane

Concen: 89.161 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

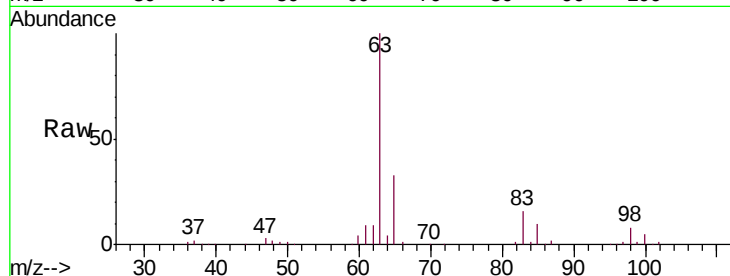
Tgt Ion: 63 Resp: 246454

Ion Ratio Lower Upper

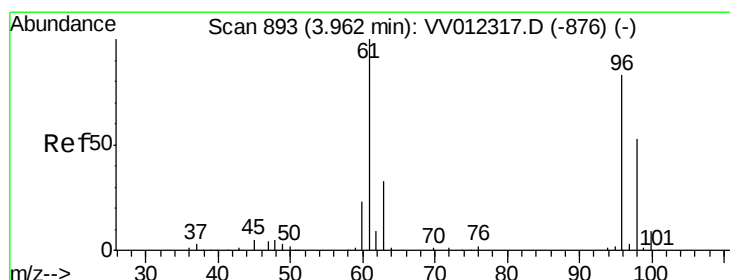
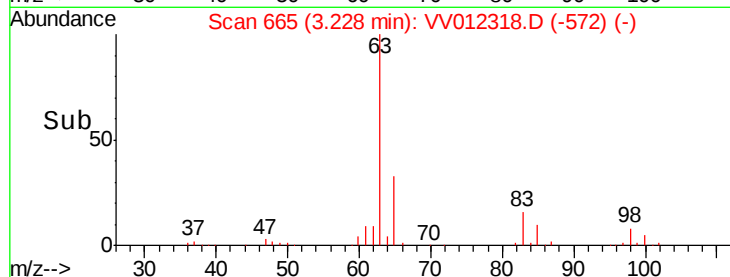
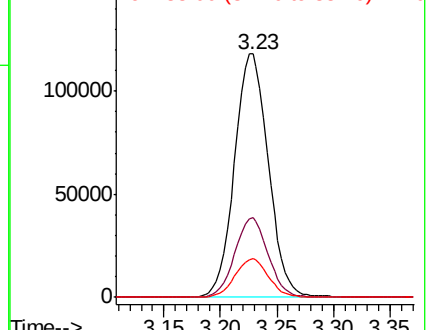
63 100

65 32.8 21.7 40.3

83 15.9 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: 96.161 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

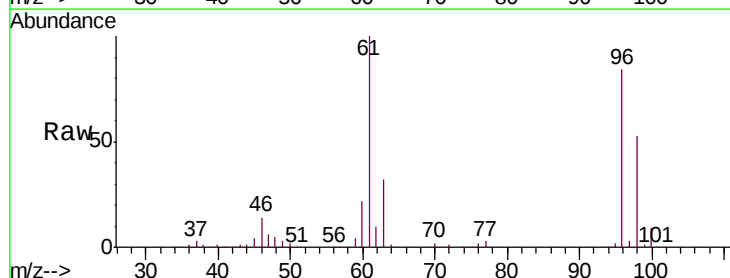
Tgt Ion: 96 Resp: 165403

Ion Ratio Lower Upper

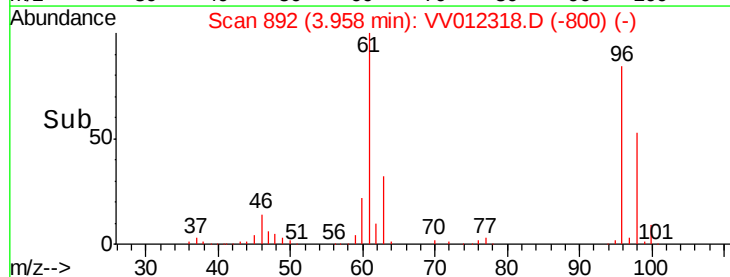
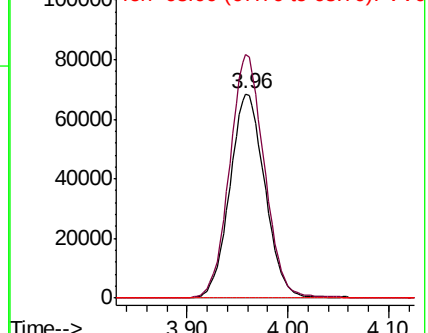
96 100

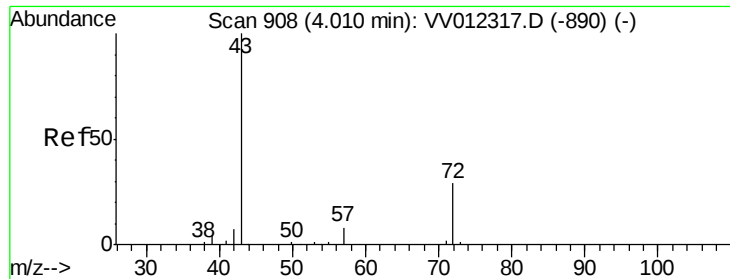
61 119.3 84.4 156.7

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: 155.301 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

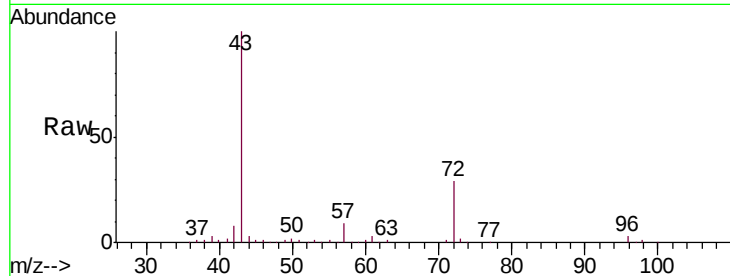
VSTD10063

Tgt Ion: 43 Resp: 197015

Ion Ratio Lower Upper

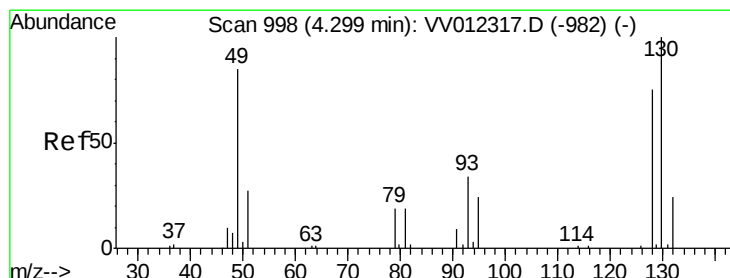
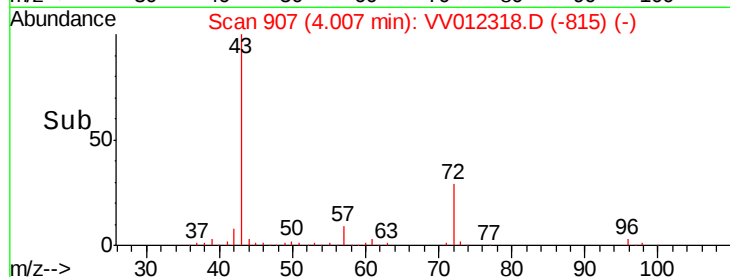
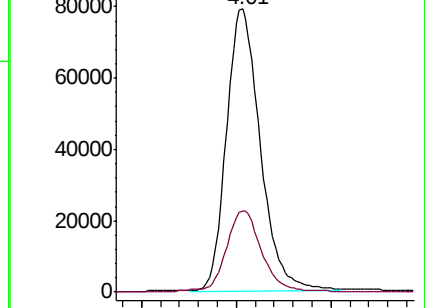
43 100

72 29.9 15.0 45.1



Abundance Ion 43.00 (42.70 to 43.70): VV012317.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VV012317.D (-890) (-)



#23

Bromochloromethane

Concen: 99.983 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Tgt Ion: 128 Resp: 90846

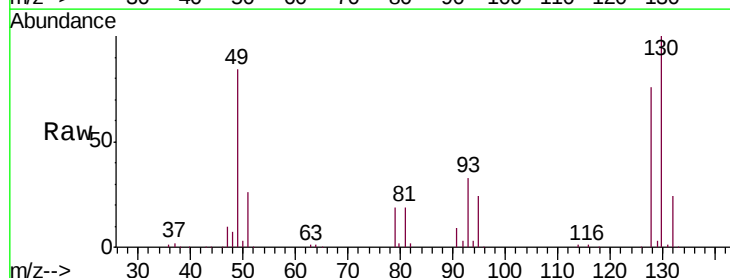
Ion Ratio Lower Upper

128 100

49 110.8 78.8 146.4

130 132.1 93.0 172.6

51 34.3 28.5 42.7

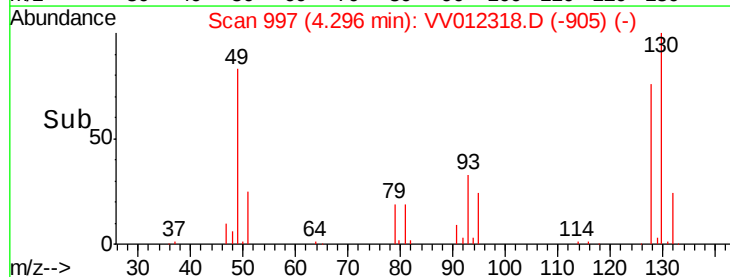
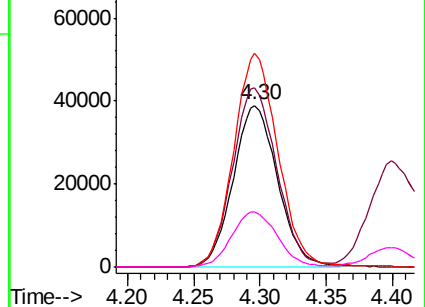


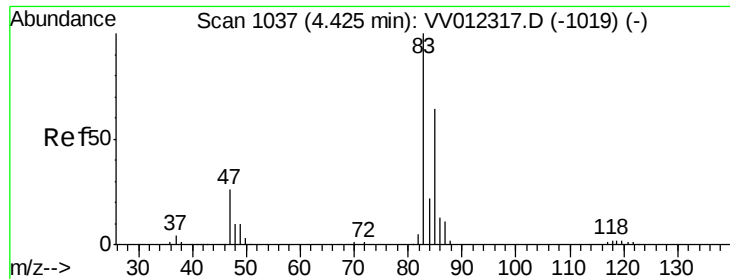
Abundance Ion 128.00 (127.70 to 128.70): VV012318.D (-905) (-)

Ion 49.00 (48.70 to 49.70): VV012318.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV012318.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VV012318.D (-905) (-)

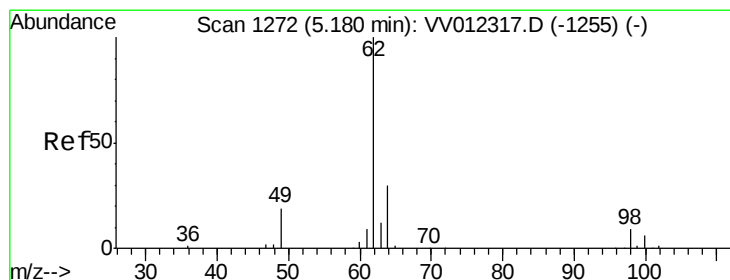
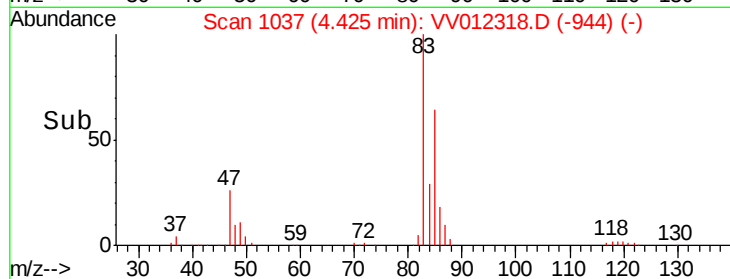
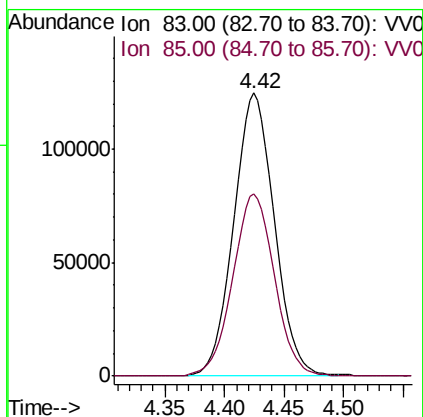
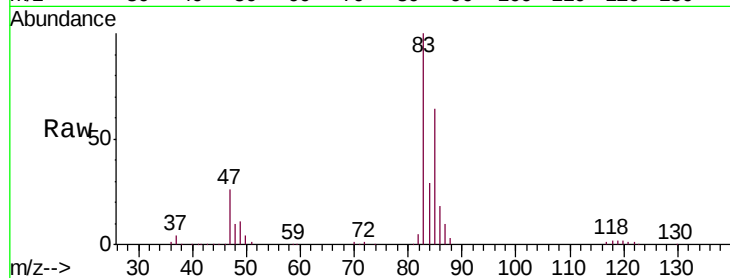




#25
Chloroform
Concen: 98.613 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012318.D
Acq: 21 Aug 2019 17:05

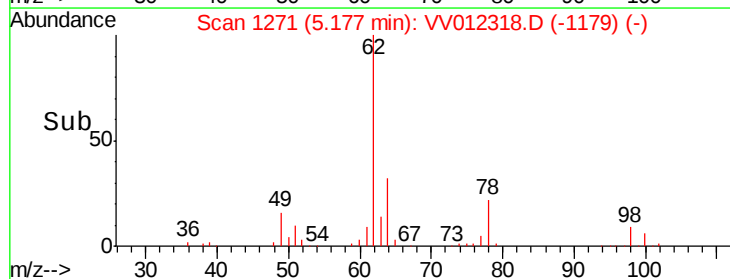
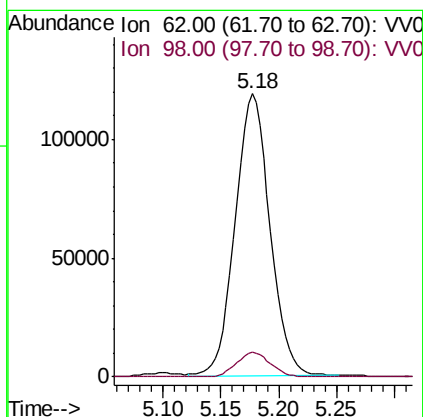
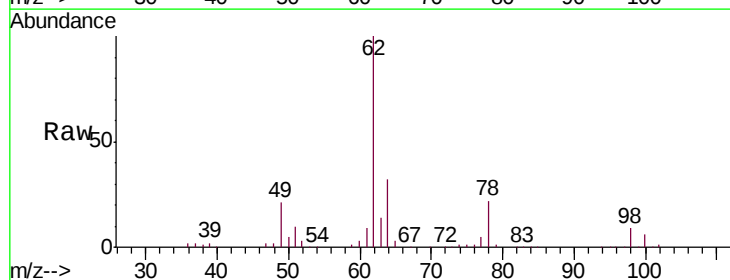
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

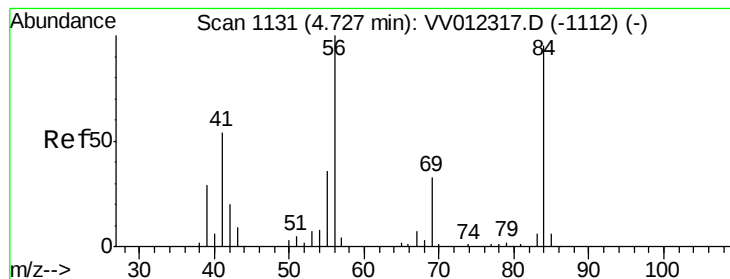
Tgt Ion: 83 Resp: 294991
Ion Ratio Lower Upper
83 100
85 64.3 44.5 82.7



#27
1,2-Dichloroethane
Concen: 109.346 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012318.D
Acq: 21 Aug 2019 17:05

Tgt Ion: 62 Resp: 248433
Ion Ratio Lower Upper
62 100
98 8.6 6.9 10.3





#29

Cyclohexane

Concen: 88.588 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

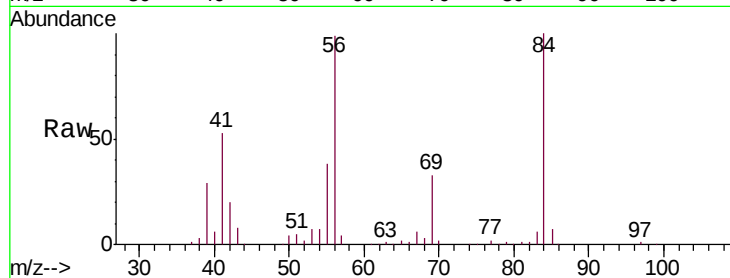
Tgt Ion: 56 Resp: 206790

Ion Ratio Lower Upper

56 100

69 34.0 26.8 40.2

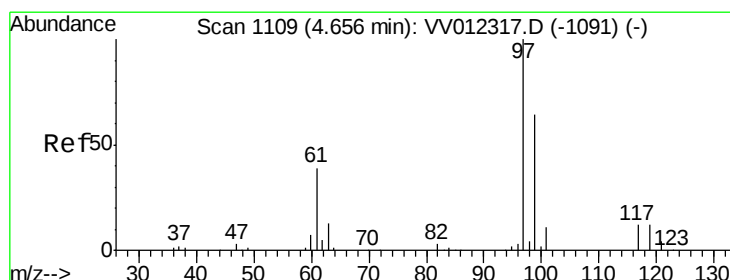
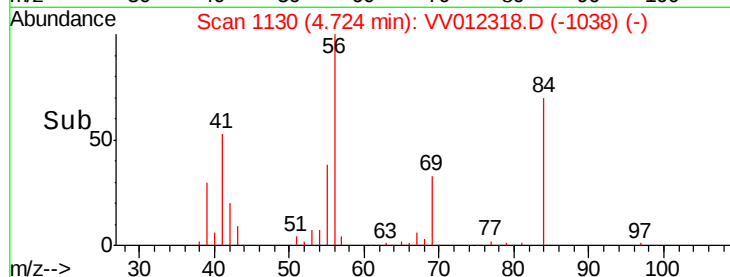
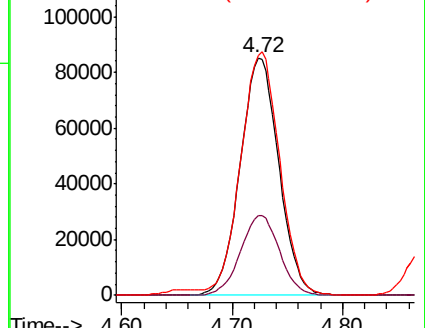
84 103.2 81.7 122.5



Abundance Ion 56.00 (55.70 to 56.70): VV012317.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VV012317.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VV012317.D (-1112) (-)



#30

1,1,1-Trichloroethane

Concen: 115.103 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

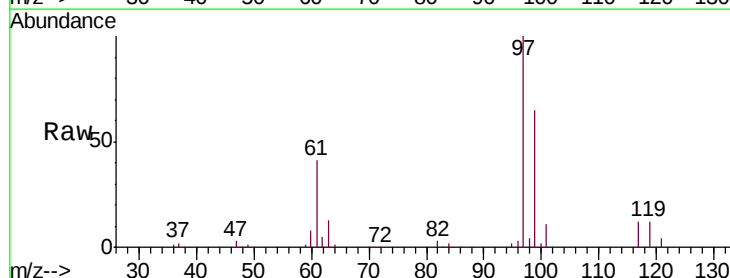
Tgt Ion: 97 Resp: 287972

Ion Ratio Lower Upper

97 100

99 64.7 50.8 76.2

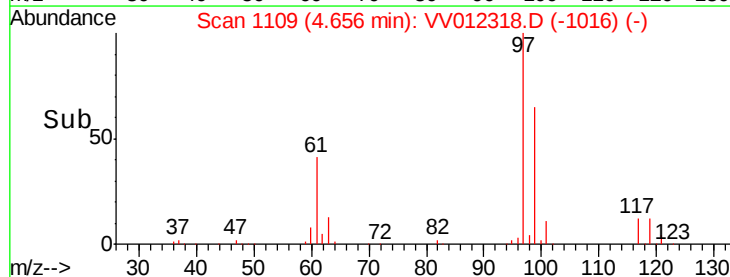
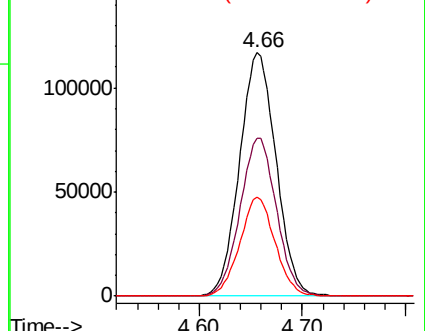
61 39.4 31.0 46.6

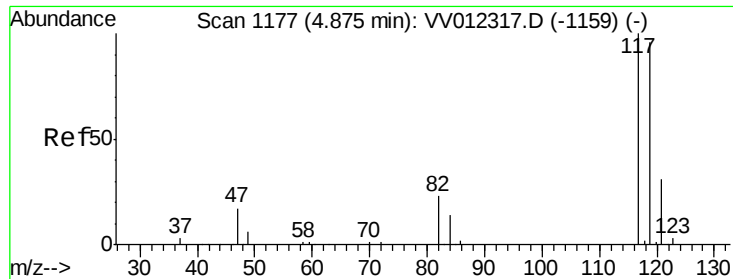


Abundance Ion 97.00 (96.70 to 97.70): VV012317.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV012317.D (-1091) (-)

Ion 61.05 (60.75 to 61.75): VV012317.D (-1091) (-)

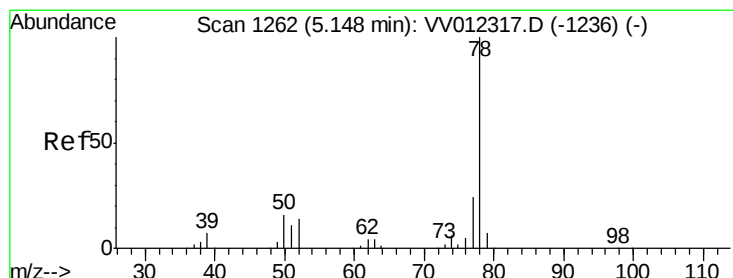
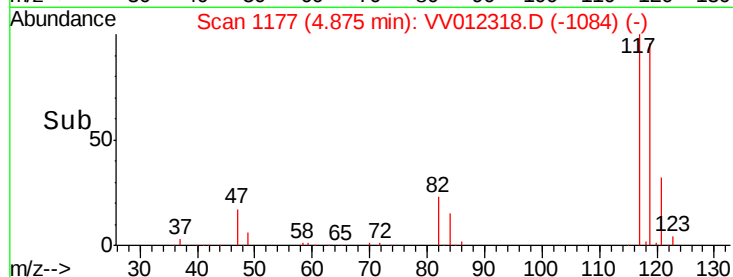
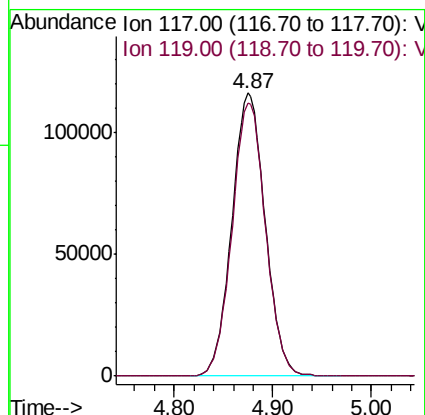
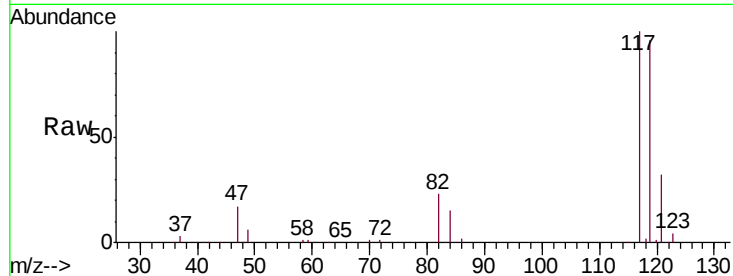




#31
Carbon tetrachloride
Concen: 121.038 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012318.D
Acq: 21 Aug 2019 17:05

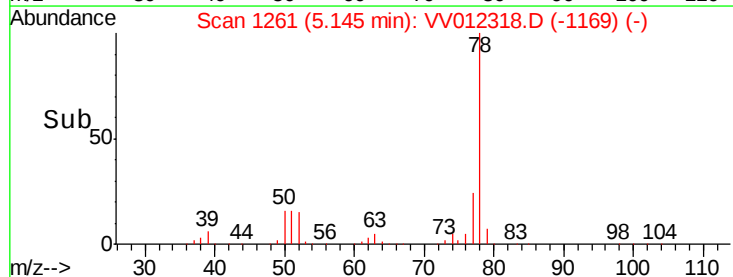
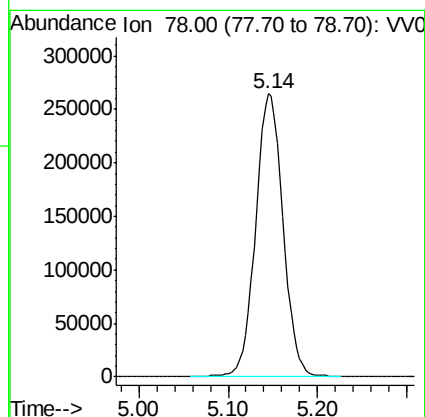
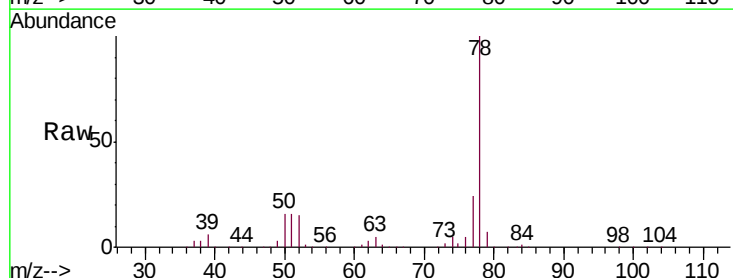
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

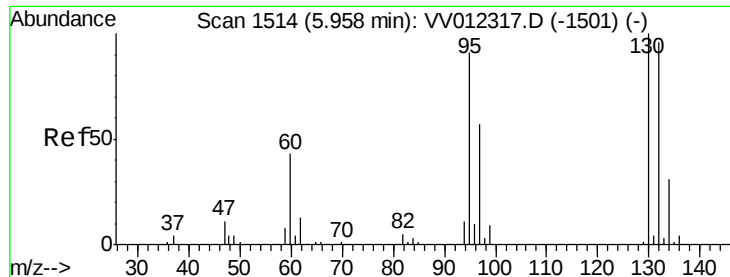
Tgt Ion:117 Resp: 272935
Ion Ratio Lower Upper
117 100
119 96.7 77.7 116.5



#33
Benzene
Concen: 95.060 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012318.D
Acq: 21 Aug 2019 17:05

Tgt Ion: 78 Resp: 565533

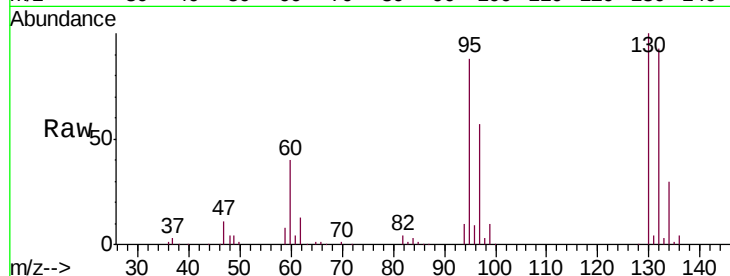




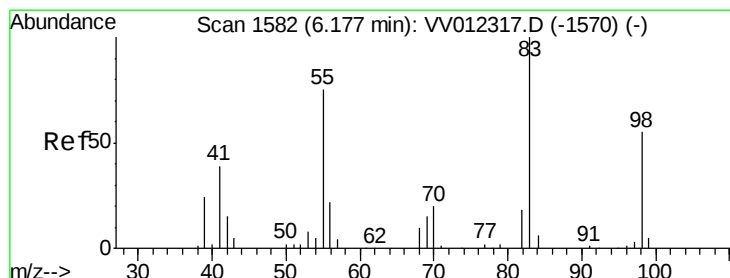
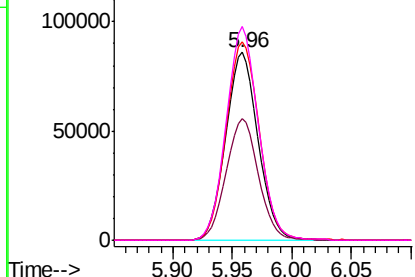
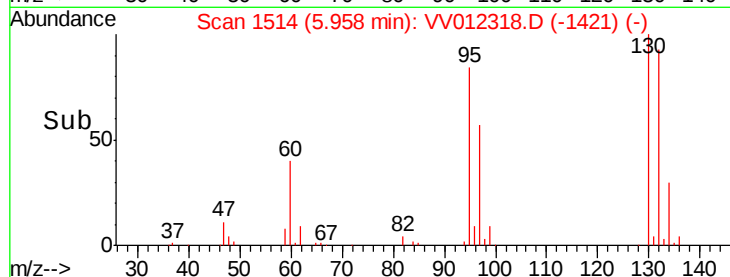
#34
 Trichloroethene
 Concen: 101.328 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012318.D
 Acq: 21 Aug 2019 17:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

Tgt Ion: 95 Resp: 162822
 Ion Ratio Lower Upper
 95 100
 97 64.7 43.6 81.0
 132 105.7 73.9 137.3
 130 113.7 76.6 142.2

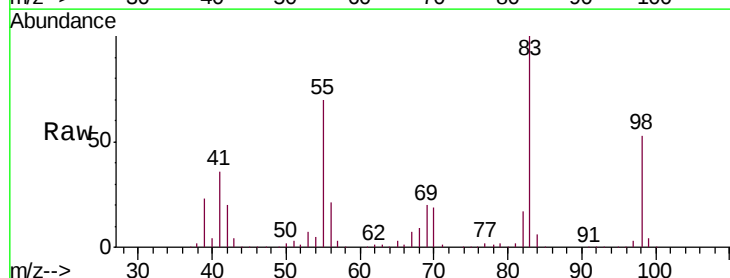


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

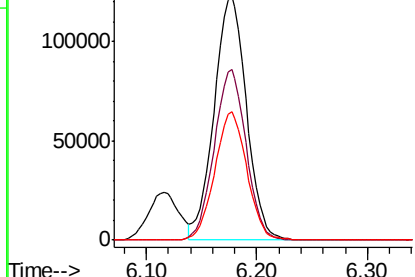
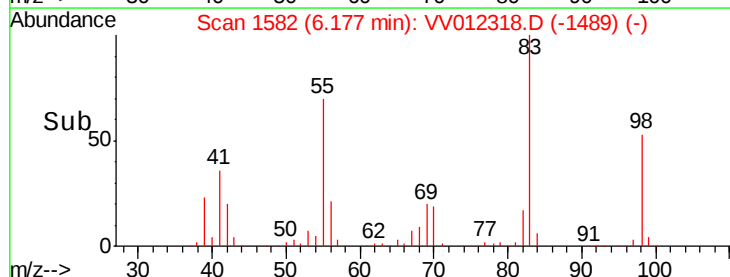


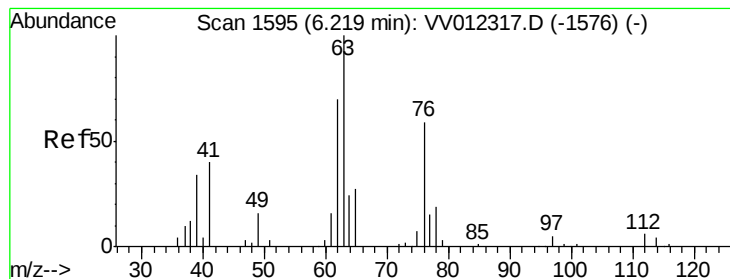
#35
 Methylcyclohexane
 Concen: 98.628 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012318.D
 Acq: 21 Aug 2019 17:05

Tgt Ion: 83 Resp: 249518
 Ion Ratio Lower Upper
 83 100
 55 69.0 56.2 84.4
 98 52.2 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: 86.414 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

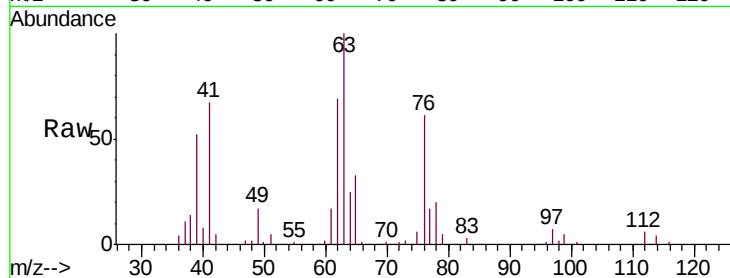
VSTD10063

Tgt Ion: 63 Resp: 128756

Ion Ratio Lower Upper

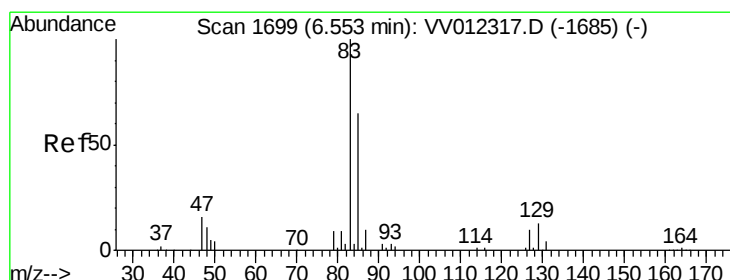
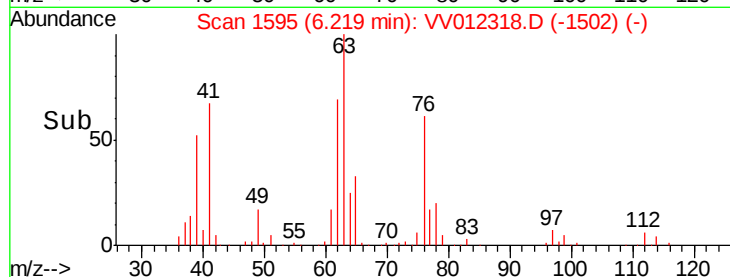
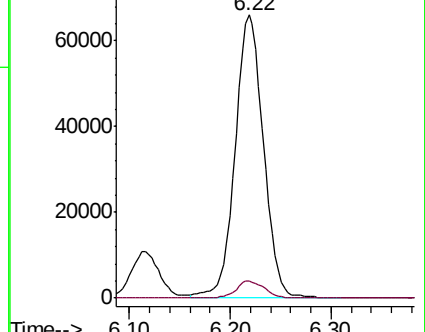
63 100

112 6.1 4.7 7.1



Abundance Ion 63.00 (62.70 to 63.70): VV012318.D (-1502) (-)

Ion 112.00 (111.70 to 112.70): VV012318.D (-1502) (-)



#38

Bromodichloromethane

Concen: 109.940 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

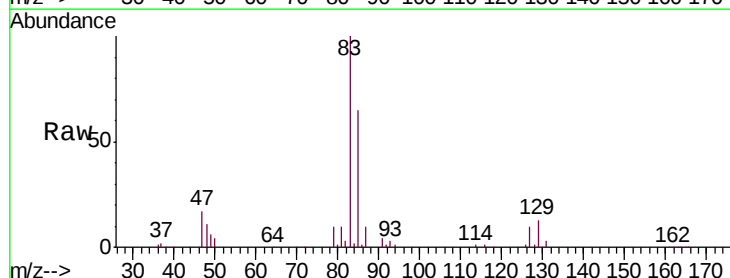
Tgt Ion: 83 Resp: 229296

Ion Ratio Lower Upper

83 100

85 65.0 45.7 84.9

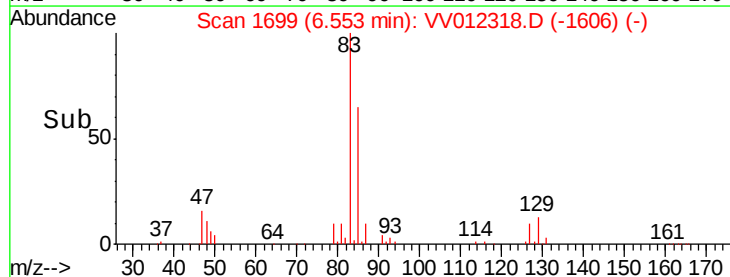
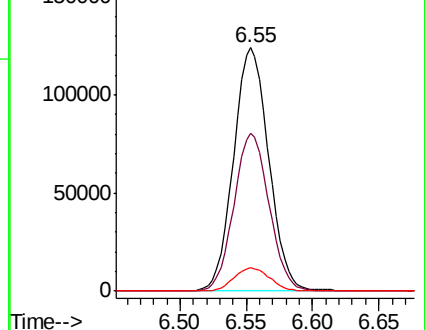
127 9.7 7.8 11.8

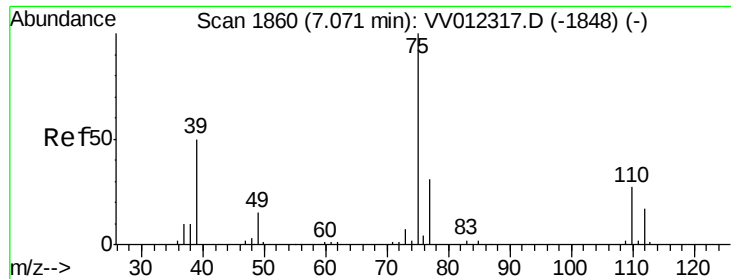


Abundance Ion 83.00 (82.70 to 83.70): VV012318.D (-1606) (-)

Ion 85.00 (84.70 to 85.70): VV012318.D (-1606) (-)

Ion 127.00 (126.70 to 127.70): VV012318.D (-1606) (-)

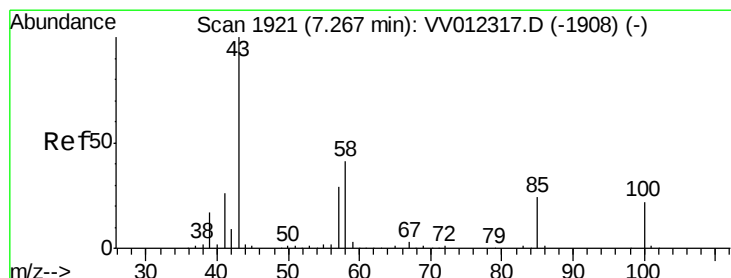
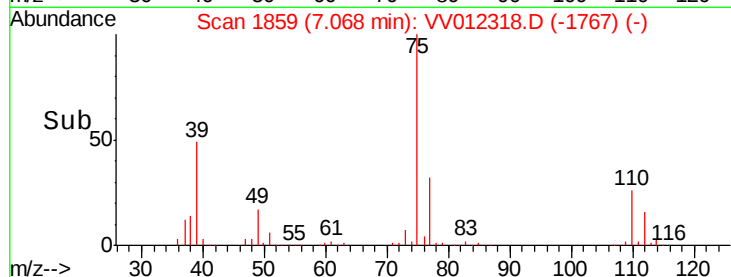
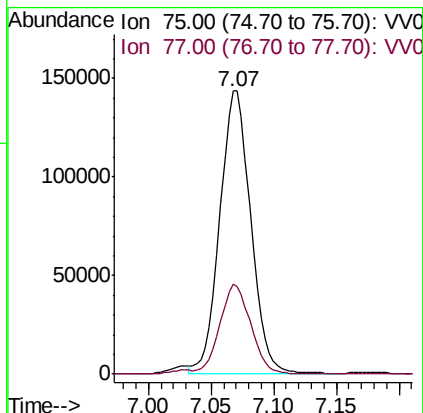
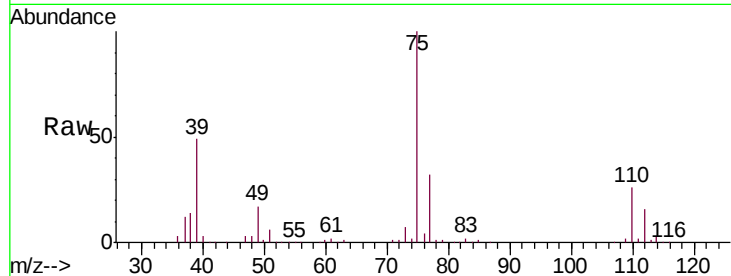




#39
 cis-1,3-Dichloropropene
 Concen: 102.042 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012318.D
 Acq: 21 Aug 2019 17:05

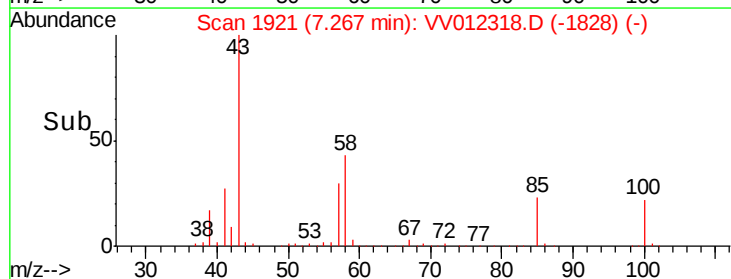
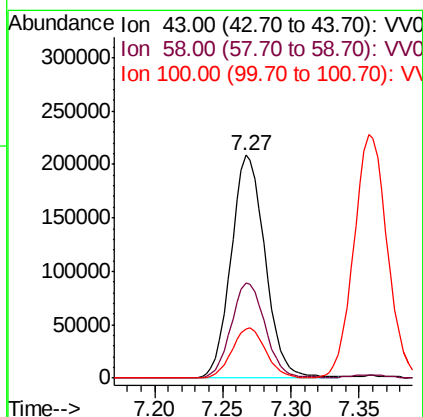
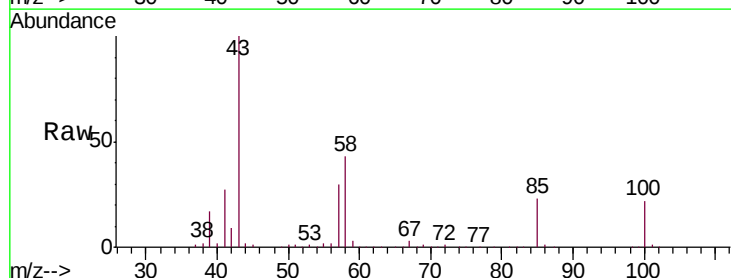
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

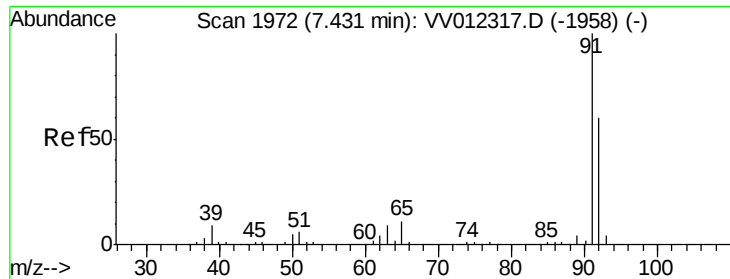
Tgt Ion: 75 Resp: 245855
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 176.392 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VV012318.D
 Acq: 21 Aug 2019 17:05

Tgt Ion: 43 Resp: 362547
 Ion Ratio Lower Upper
 43 100
 58 42.8 33.7 50.5
 100 22.3 17.8 26.6





#42

Toluene

Concen: 100.014 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

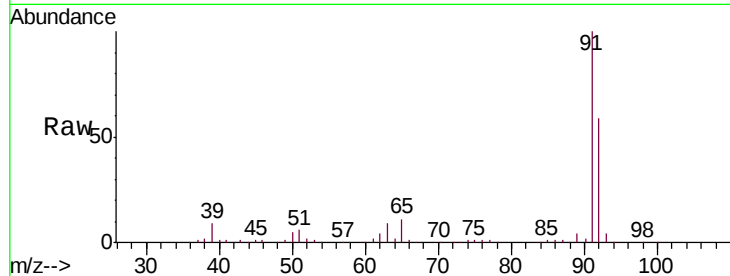
VSTD10063

Tgt Ion: 91 Resp: 639363

Ion Ratio Lower Upper

91 100

92 59.1 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

400000

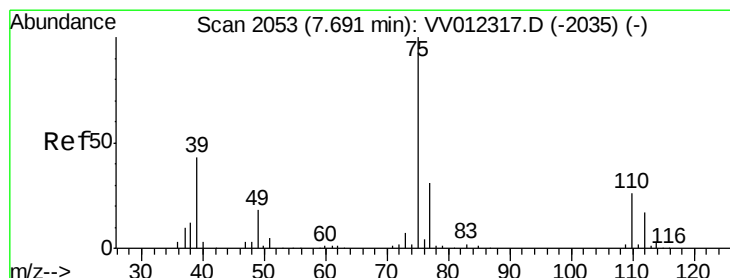
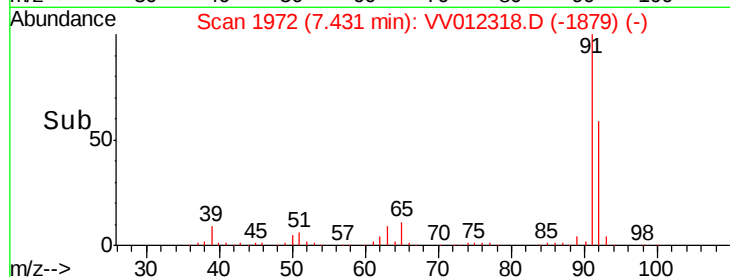
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 107.735 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012318.D

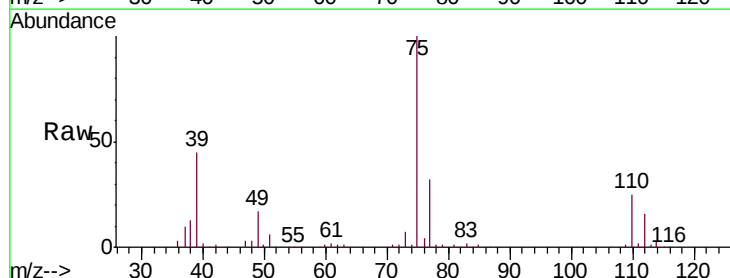
Acq: 21 Aug 2019 17:05

Tgt Ion: 75 Resp: 238868

Ion Ratio Lower Upper

75 100

77 31.8 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

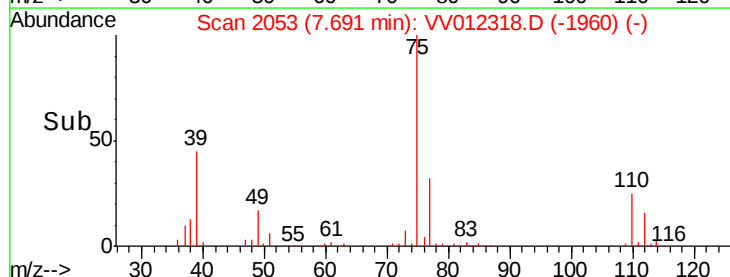
150000

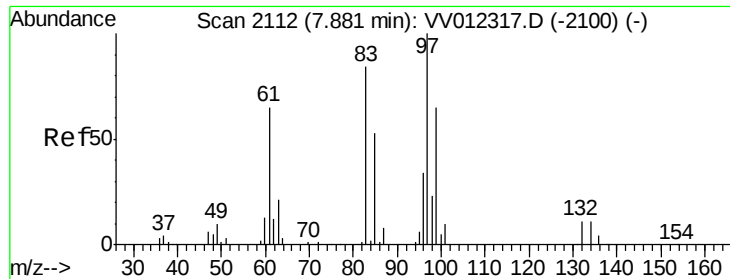
100000

50000

0

Time-->

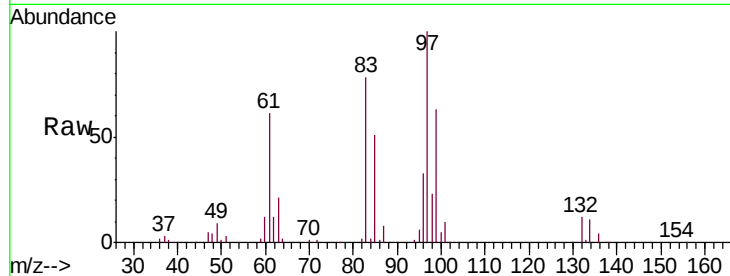




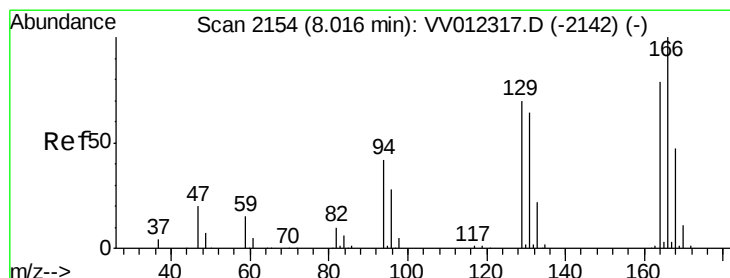
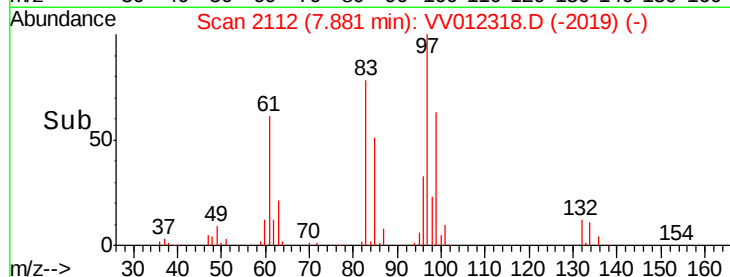
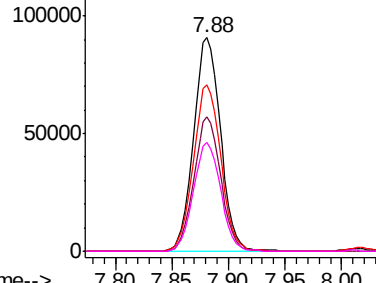
#45
 1,1,2-Trichloroethane
 Concen: 99.961 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012318.D
 Acq: 21 Aug 2019 17:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

Tgt Ion:	97	Resp:	149973
Ion	Ratio	Lower	Upper
97	100		
99	62.9	45.5	84.5
83	77.9	58.5	108.7
85	50.7	36.8	68.4

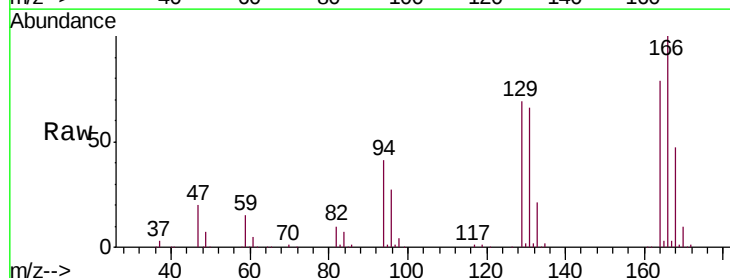


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

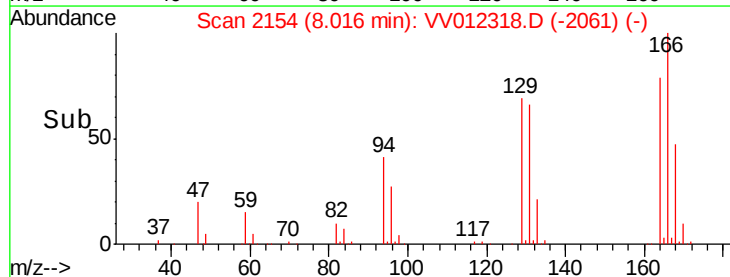
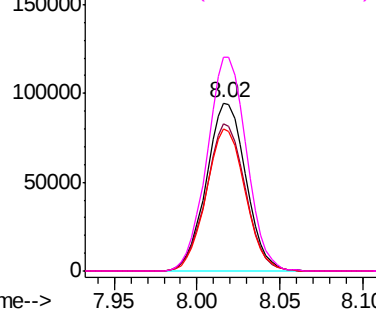


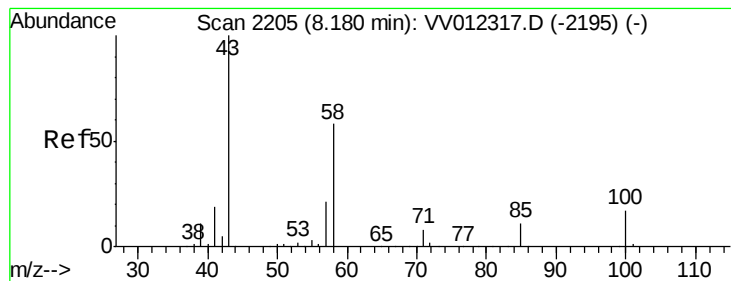
#46
 Tetrachloroethene
 Concen: 112.635 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012318.D
 Acq: 21 Aug 2019 17:05

Tgt Ion:	164	Resp:	157247
Ion	Ratio	Lower	Upper
164	100		
129	87.4	61.5	114.3
131	84.3	56.6	105.0
166	127.3	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: 160.332 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

Tgt Ion: 43 Resp: 268094

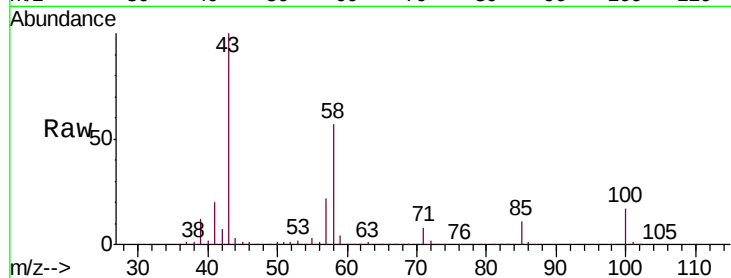
Ion Ratio Lower Upper

43 100

58 57.8 45.7 68.5

57 22.2 16.8 25.2

100 17.7 13.7 20.5

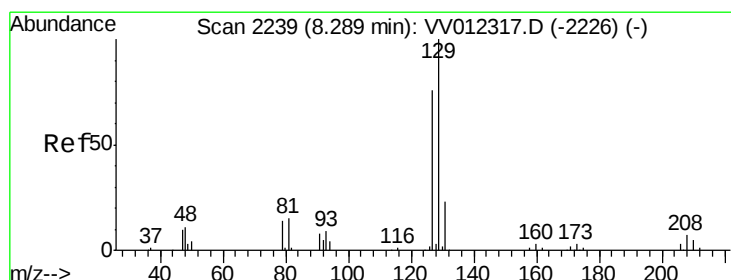
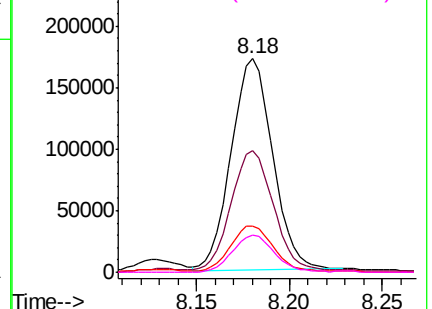
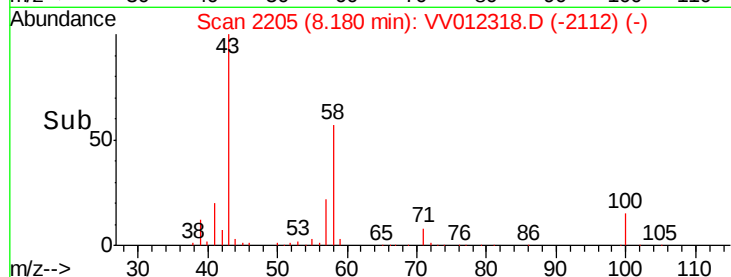


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 117.470 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV012318.D

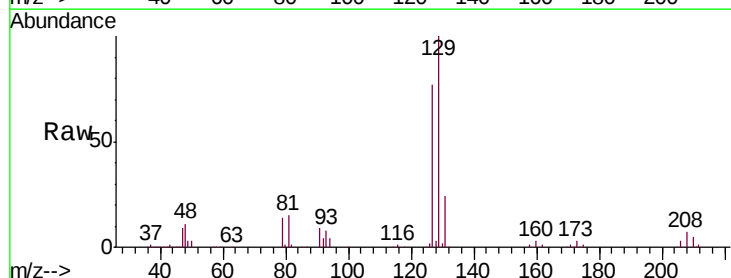
Acq: 21 Aug 2019 17:05

Tgt Ion: 129 Resp: 205700

Ion Ratio Lower Upper

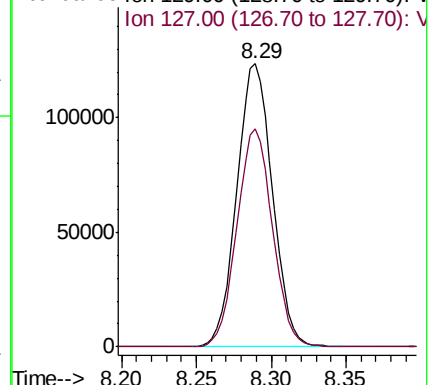
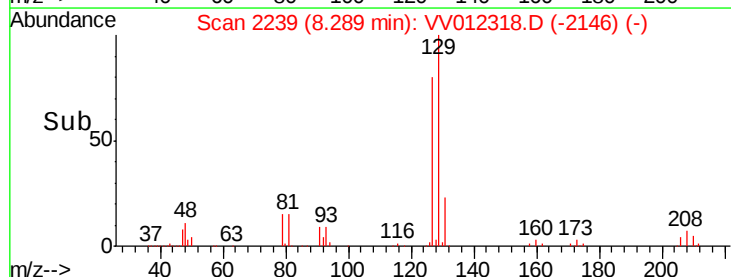
129 100

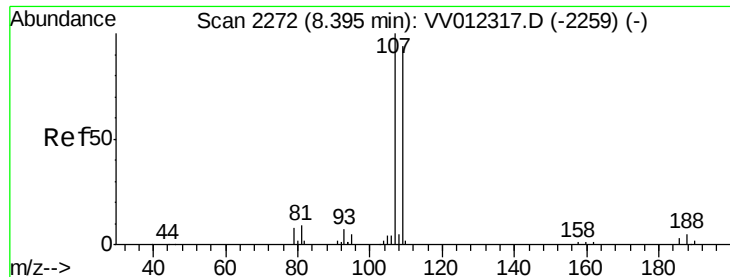
127 77.0 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

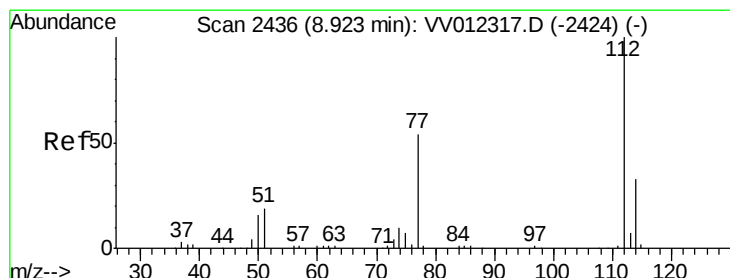
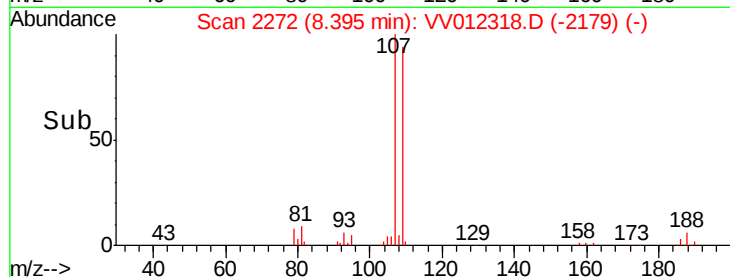
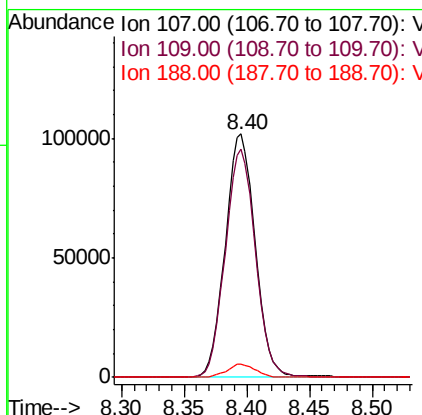
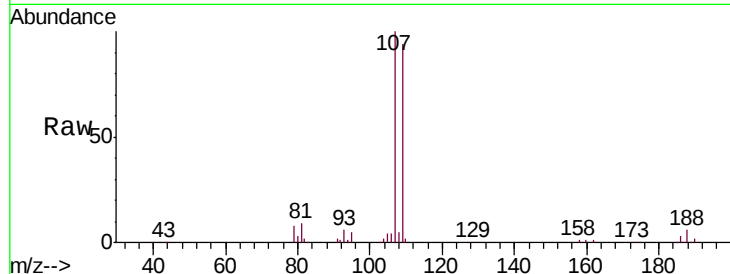




#50
 1,2-Dibromoethane
 Concen: 104.279 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012318.D
 Acq: 21 Aug 2019 17:05

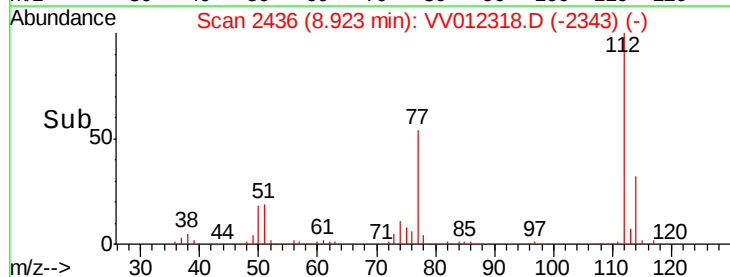
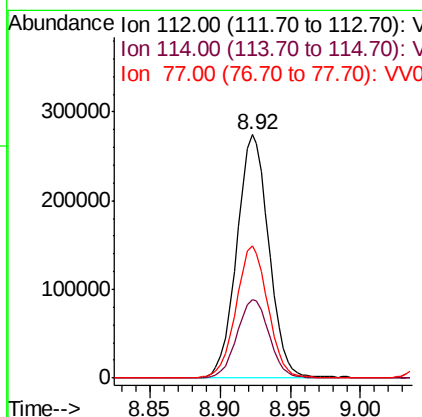
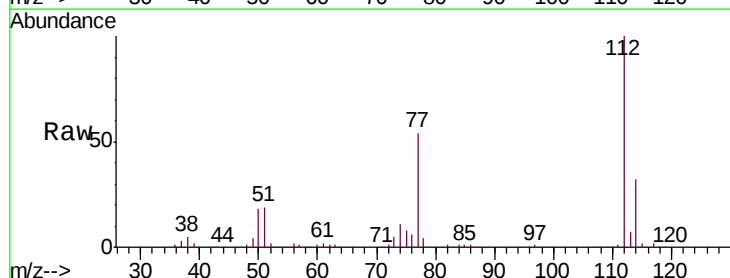
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

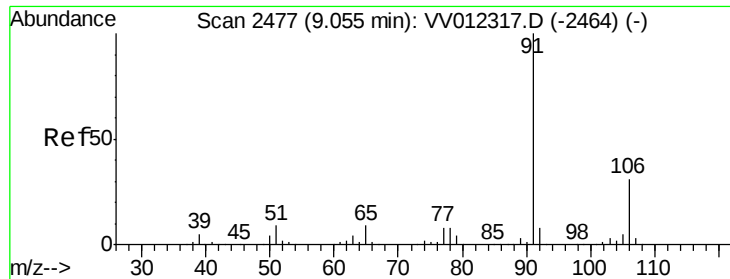
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.7	121.9
188	5.5	3.9	5.9



#51
 Chlorobenzene
 Concen: 101.998 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012318.D
 Acq: 21 Aug 2019 17:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	23.4	43.6
77	54.4	43.8	65.6





#52

Ethylbenzene

Concen: 105.198 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

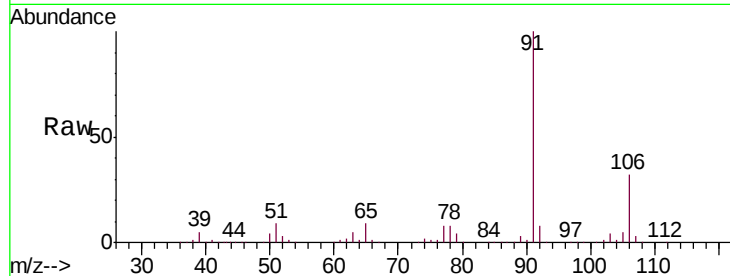
VSTD10063

Tgt Ion: 91 Resp: 746666

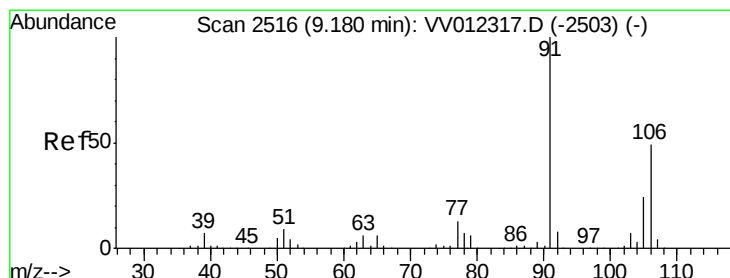
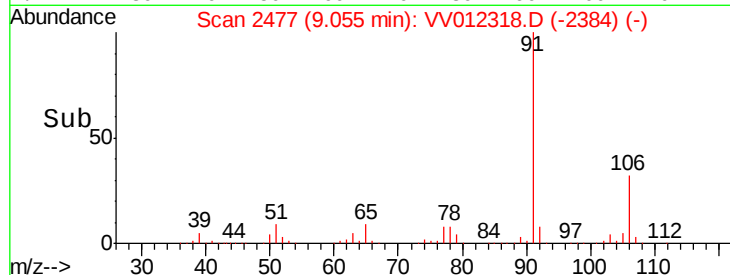
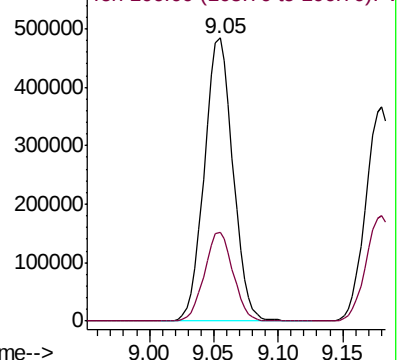
Ion Ratio Lower Upper

91 100

106 31.5 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VV012318.D (-2464) (-)



#53

m,p-Xylene

Concen: 105.600 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012318.D

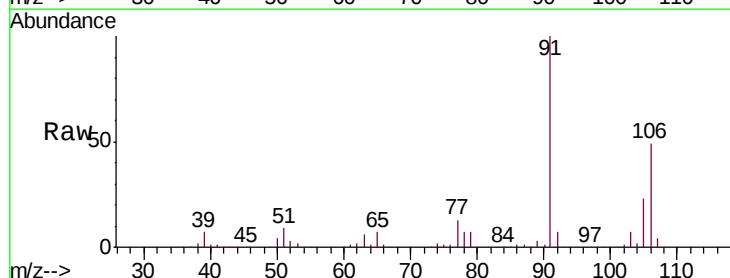
Acq: 21 Aug 2019 17:05

Tgt Ion: 106 Resp: 287924

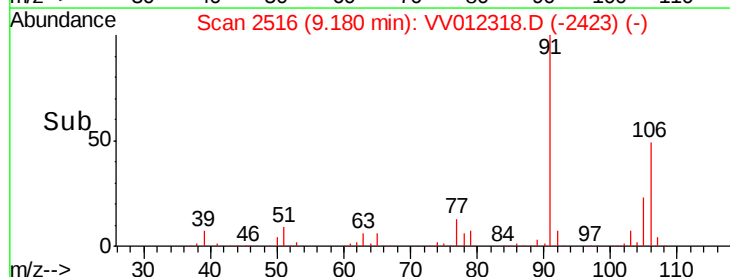
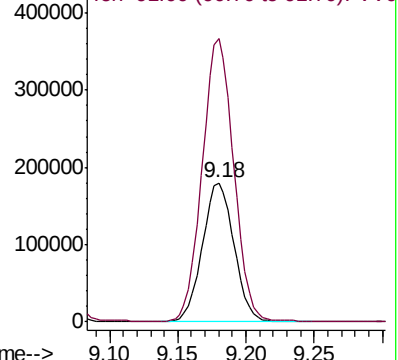
Ion Ratio Lower Upper

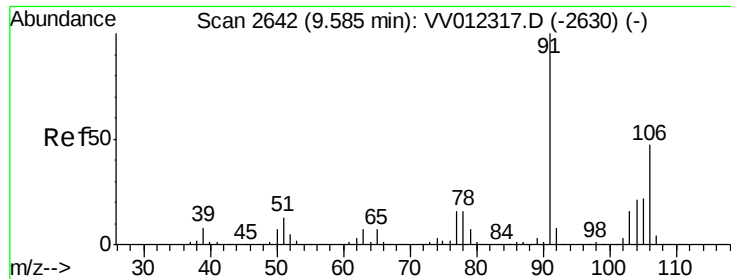
106 100

91 203.5 143.5 266.5



Abundance Ion 106.00 (105.70 to 106.70): VV012318.D (-2423) (-)





#54

o-xylene

Concen: 107.380 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

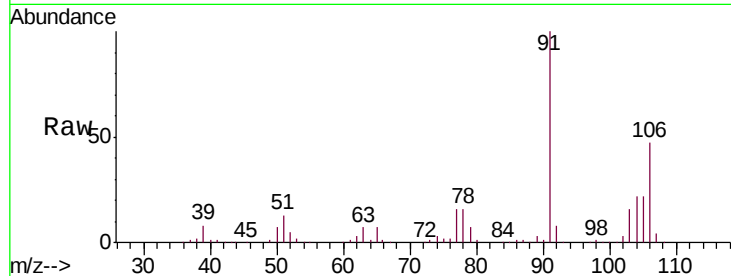
VSTD10063

Tgt Ion:106 Resp: 284551

Ion Ratio Lower Upper

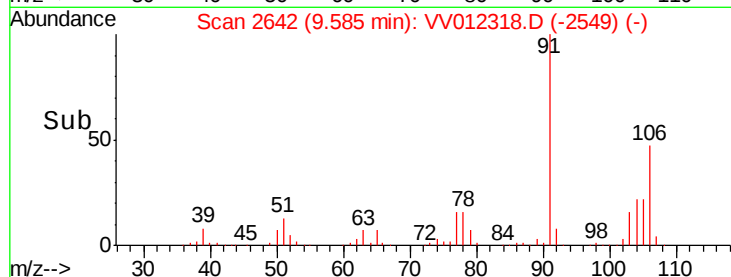
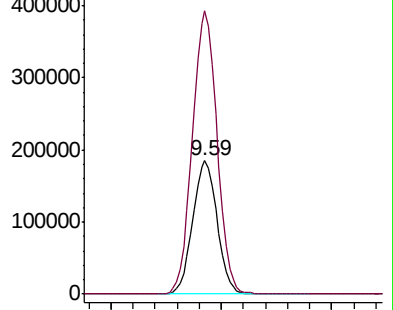
106 100

91 212.8 149.2 277.0

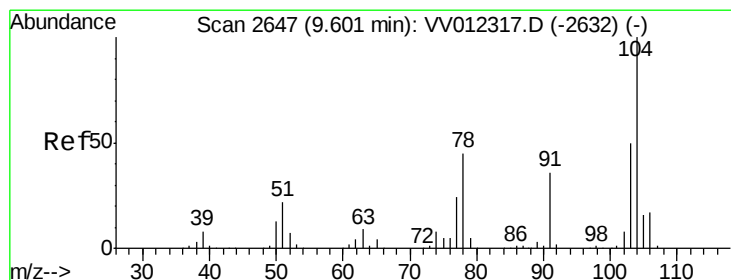


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->



#55

Styrene

Concen: 107.790 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012318.D

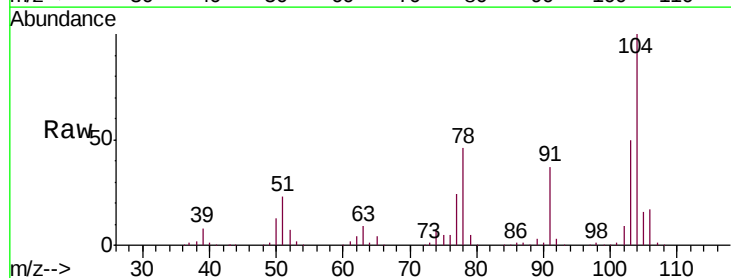
Acq: 21 Aug 2019 17:05

Tgt Ion:104 Resp: 488352

Ion Ratio Lower Upper

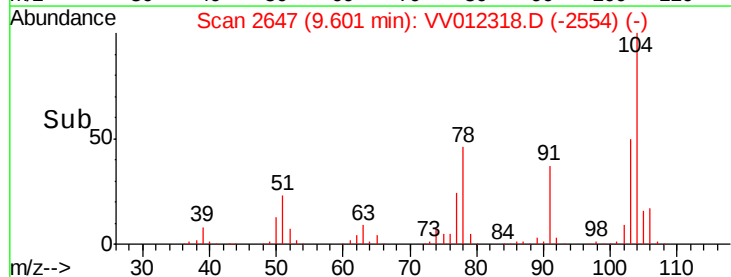
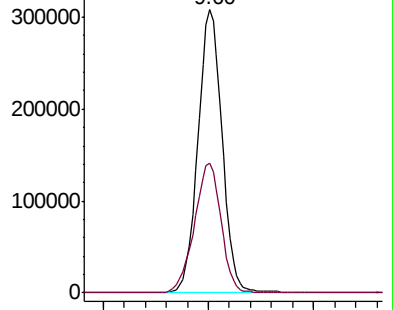
104 100

78 45.8 31.8 59.0

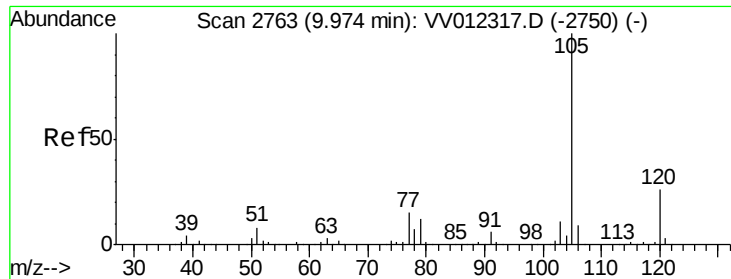


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



Time-->



#56

Isopropylbenzene

Concen: 109.981 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

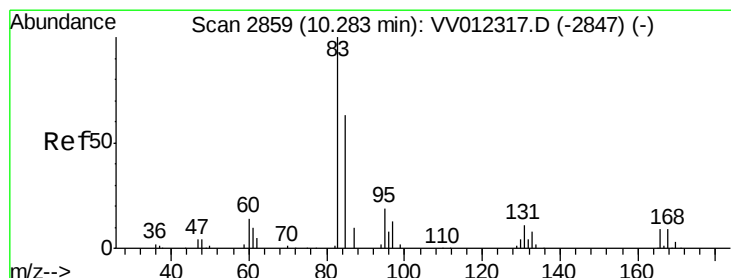
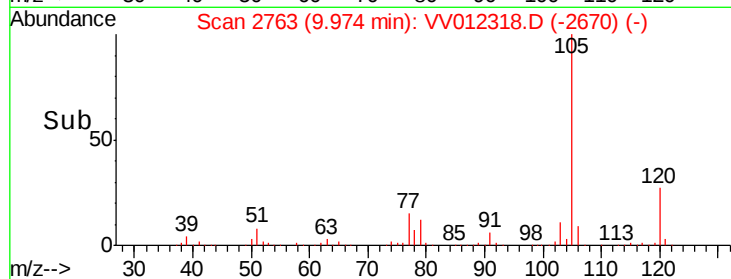
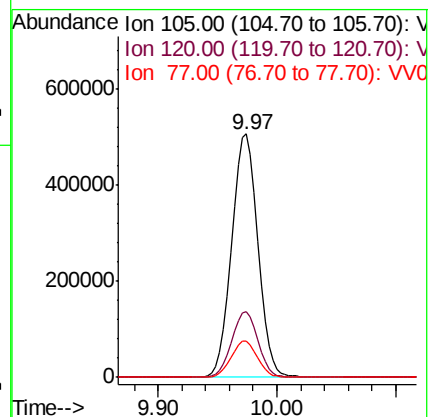
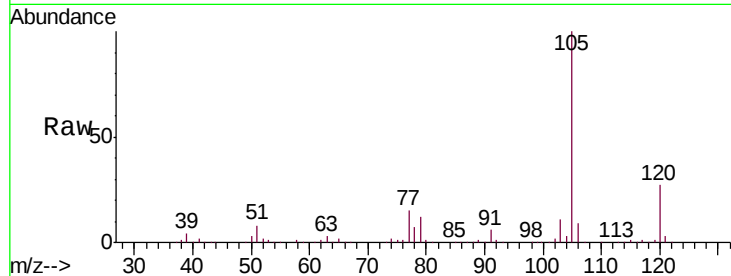
Tgt Ion: 105 Resp: 772727

Ion Ratio Lower Upper

105 100

120 27.1 21.2 31.8

77 15.0 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 90.463 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

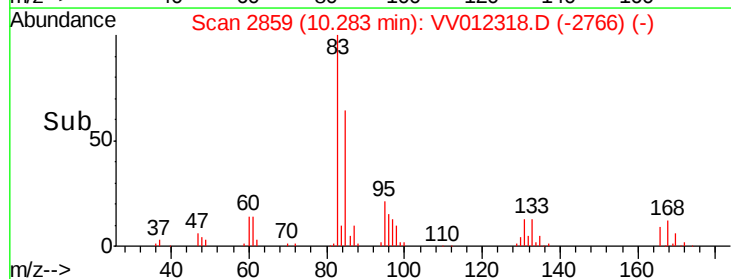
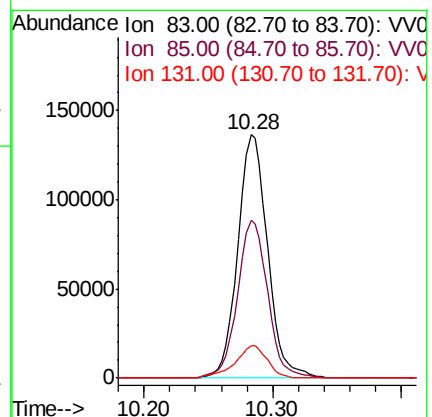
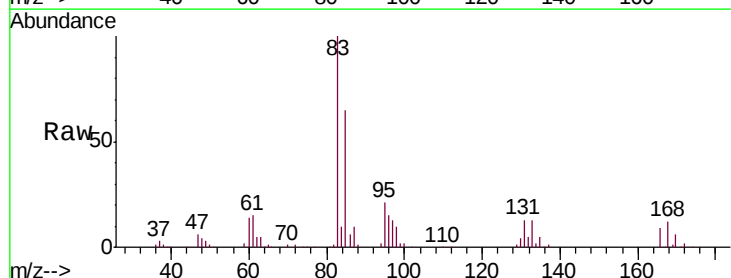
Tgt Ion: 83 Resp: 219563

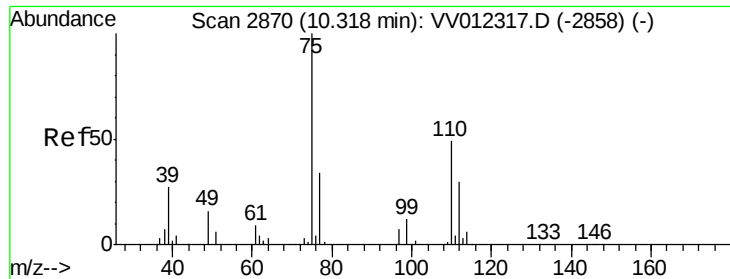
Ion Ratio Lower Upper

83 100

85 64.6 44.6 82.8

131 13.1 9.7 14.5





#59

1,2,3-Trichloropropane

Concen: 95.879 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

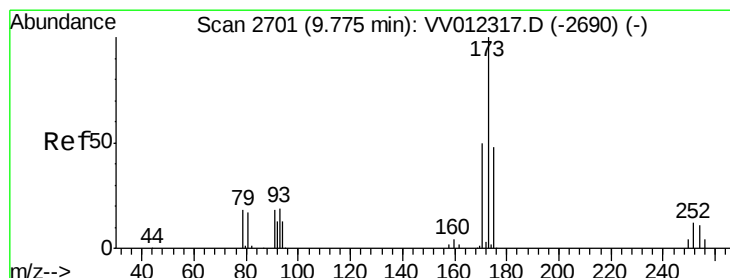
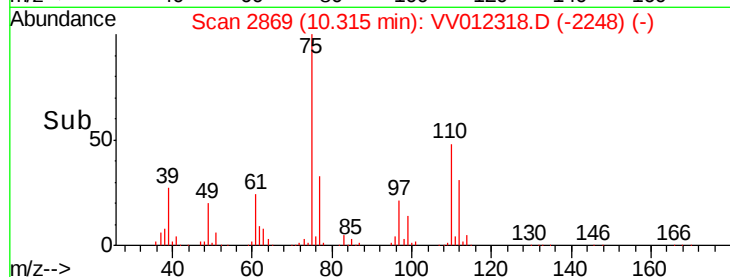
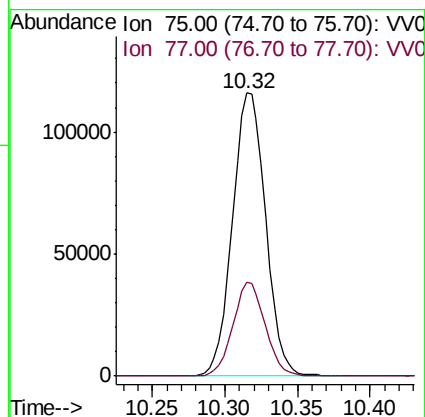
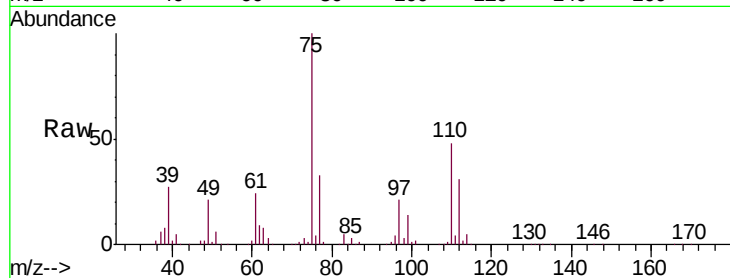
VSTD10063

Tgt Ion: 75 Resp: 183647

Ion Ratio Lower Upper

75 100

77 32.3 26.8 40.2



#61

Bromoform

Concen: 118.755 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

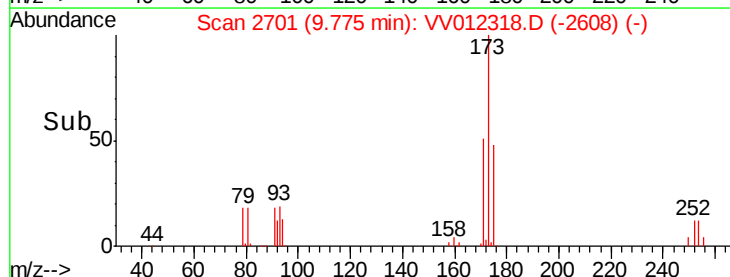
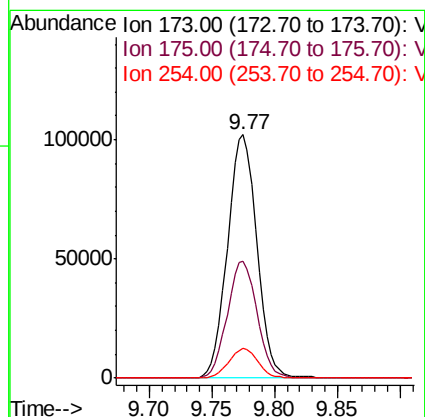
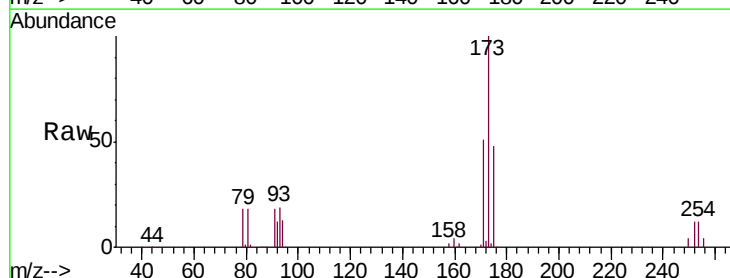
Tgt Ion: 173 Resp: 165949

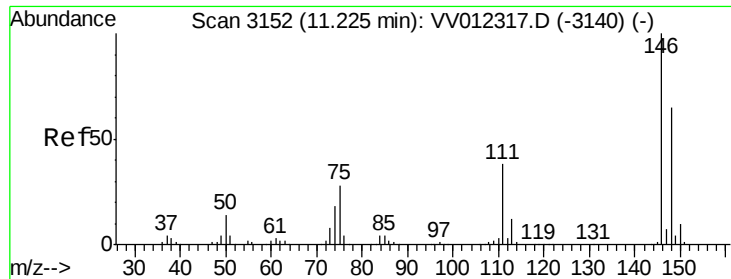
Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

254 11.9 9.3 13.9

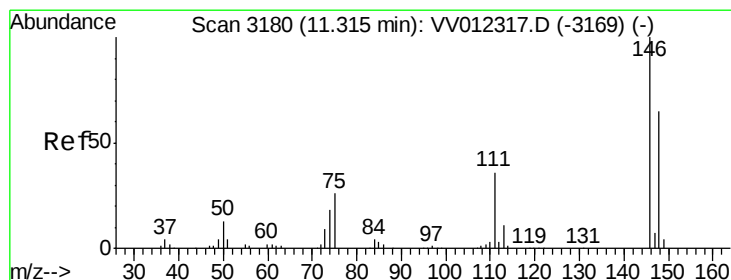
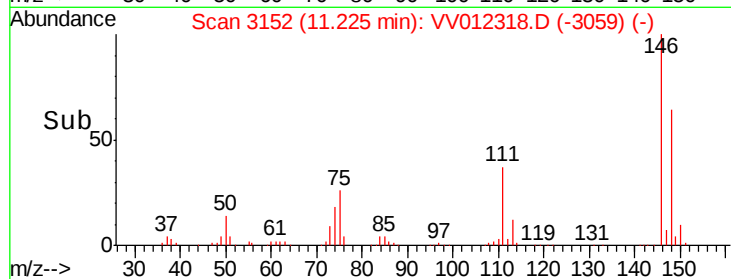
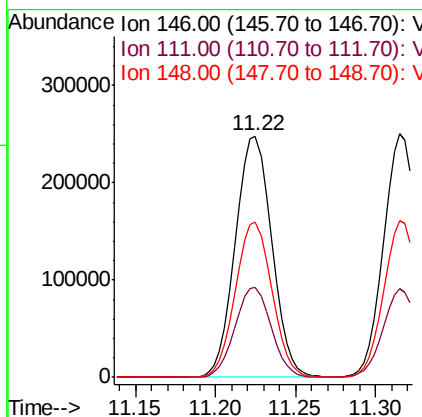
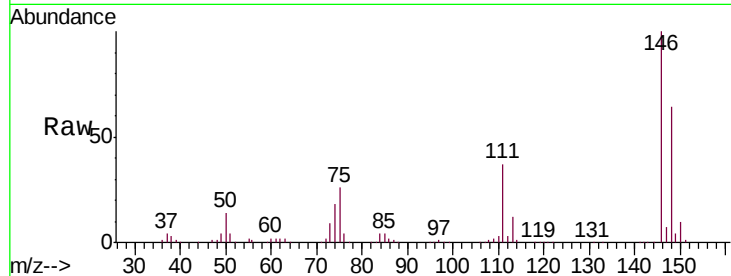




#62
 1,3-Dichlorobenzene
 Concen: 102.945 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012318.D
 Acq: 21 Aug 2019 17:05

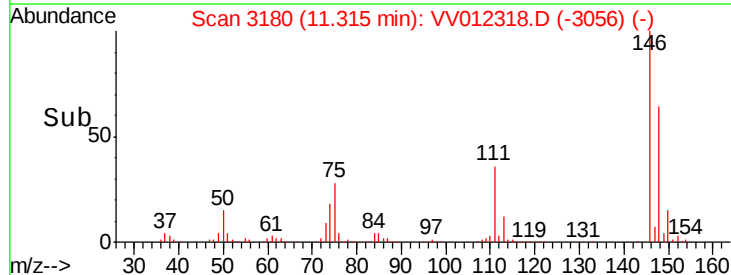
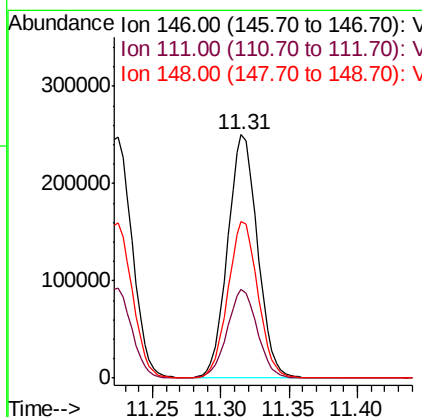
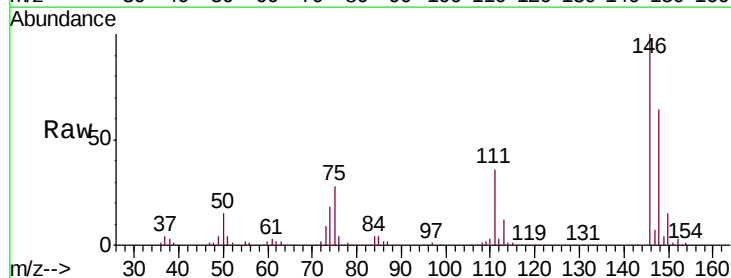
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

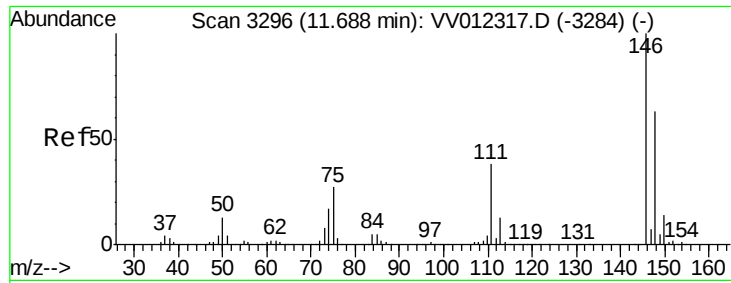
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	26.7	49.7
148	64.3	45.8	85.0



#63
 1,4-Dichlorobenzene
 Concen: 99.645 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012318.D
 Acq: 21 Aug 2019 17:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	25.8	47.8
148	64.1	45.4	84.4





#65

1,2-Dichlorobenzene

Concen: 101.070 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

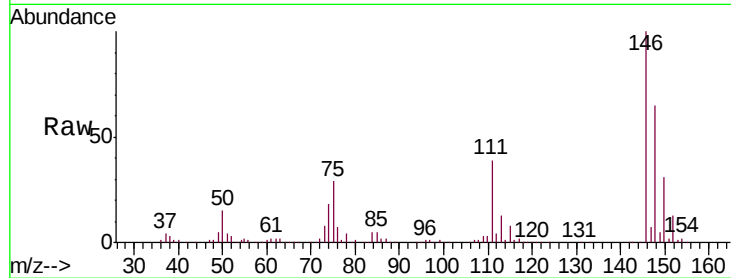
Tgt Ion:146 Resp: 381626

Ion Ratio Lower Upper

146 100

111 39.3 30.5 45.7

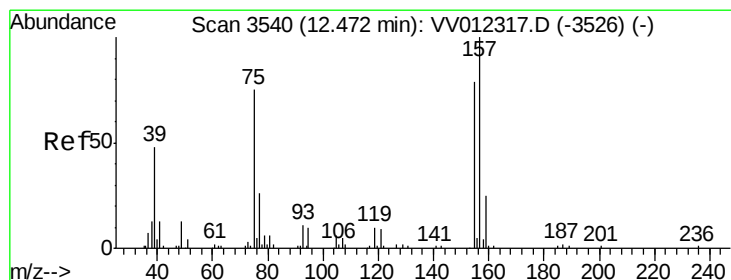
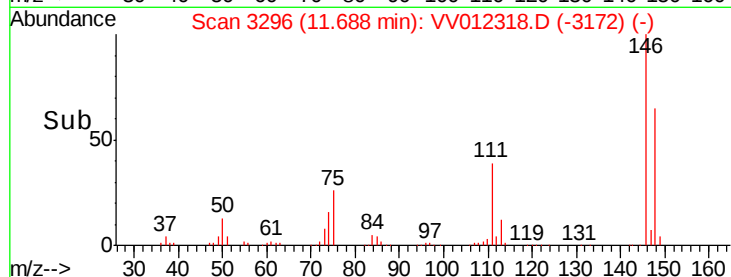
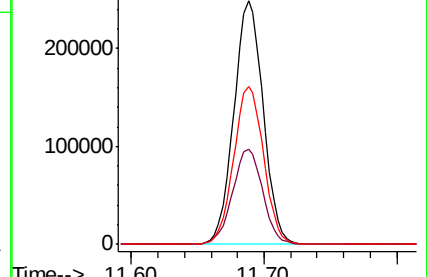
148 65.1 50.4 75.6



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: 104.793 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

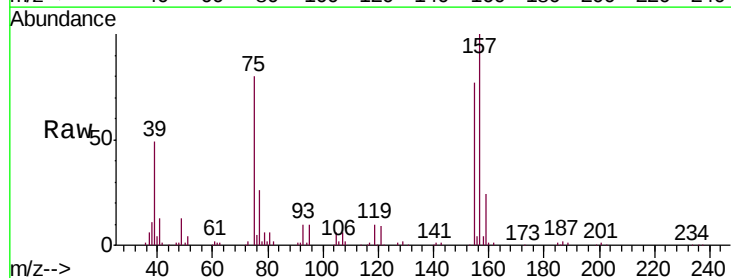
Tgt Ion: 75 Resp: 60656

Ion Ratio Lower Upper

75 100

155 95.6 83.6 125.4

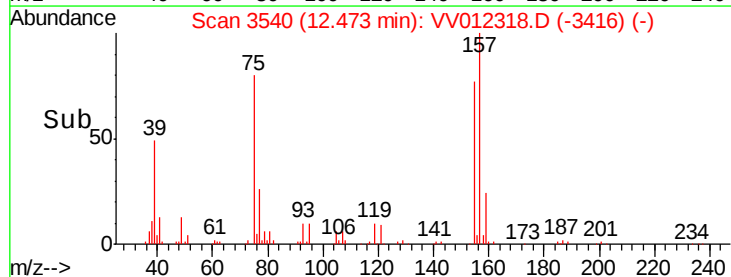
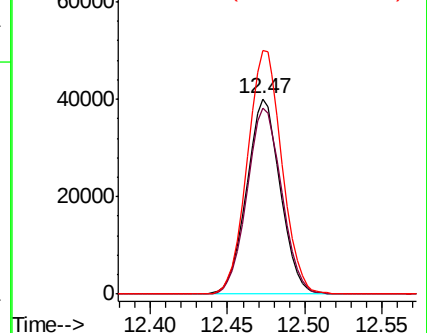
157 124.8 106.1 159.1

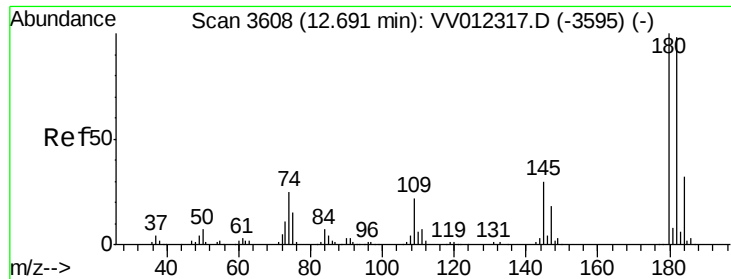


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

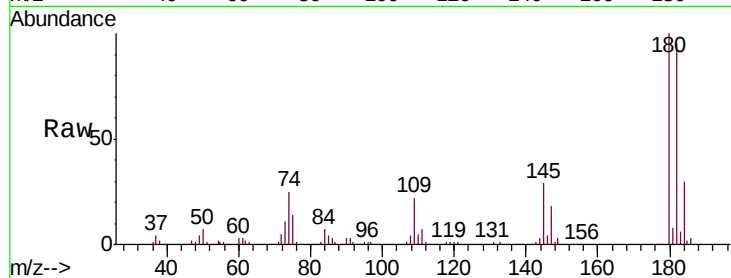




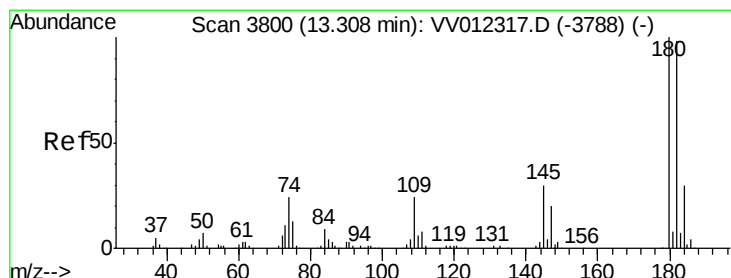
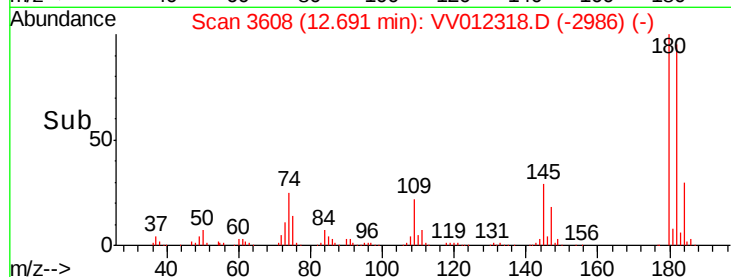
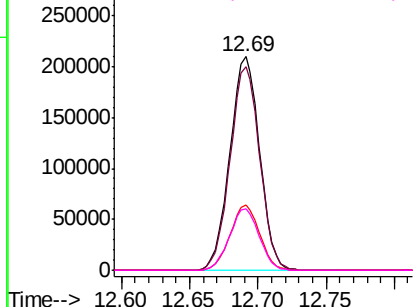
#67
 1,3,5-Trichlorobenzene
 Concen: 110.411 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012318.D
 Acq: 21 Aug 2019 17:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

Tgt Ion:180 Resp: 317058
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.6 116.4
 184 30.3 24.9 37.3
 145 28.8 23.3 34.9

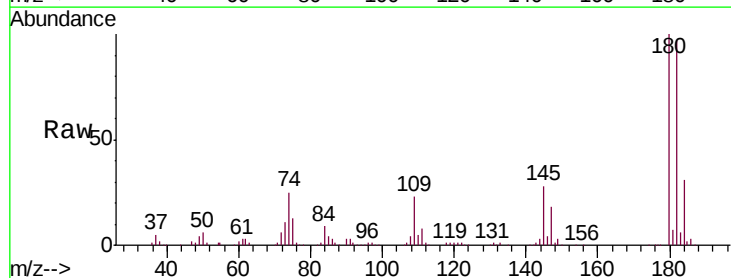


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

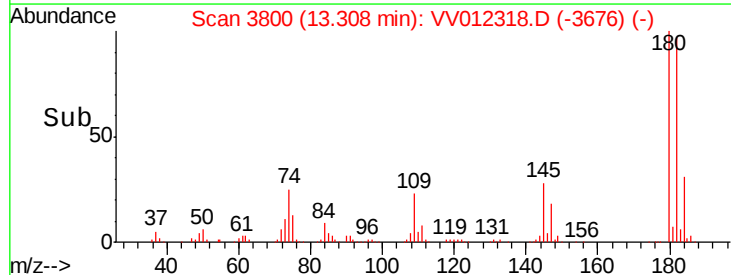
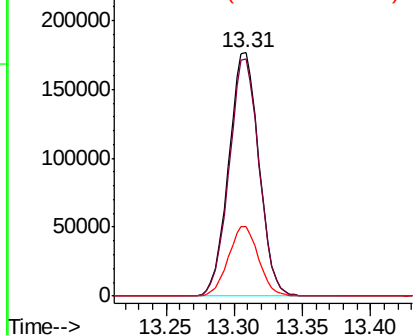


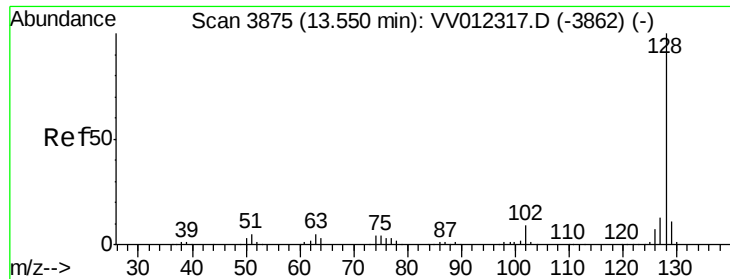
#68
 1,2,4-trichlorobenzene
 Concen: 114.900 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012318.D
 Acq: 21 Aug 2019 17:05

Tgt Ion:180 Resp: 271873
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.7 115.1
 145 28.3 23.4 35.2



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: 112.755 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

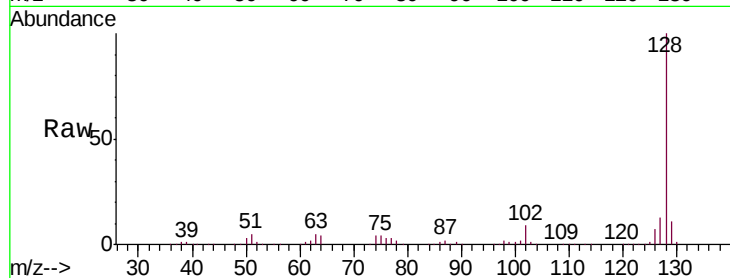
Tgt Ion:128 Resp: 753754

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

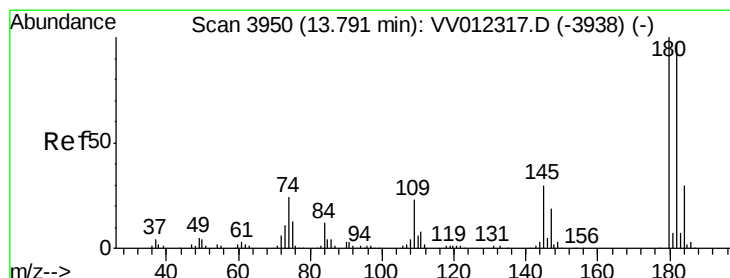
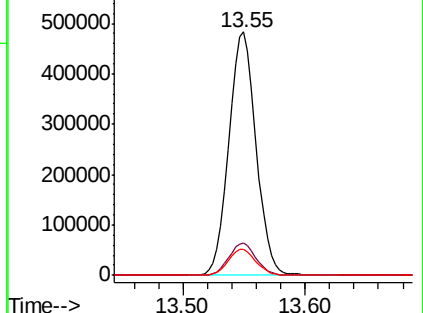
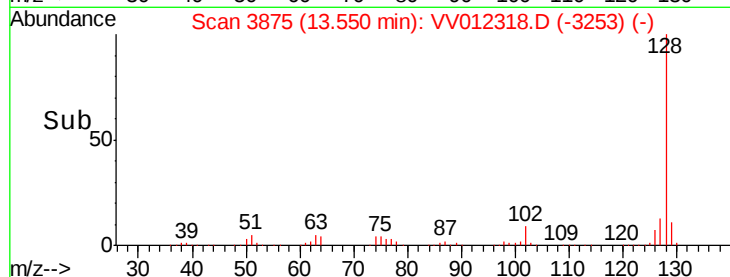
129 10.8 8.8 13.2



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: 110.618 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012318.D

Acq: 21 Aug 2019 17:05

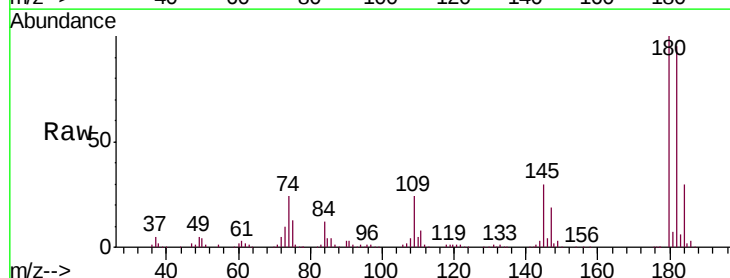
Tgt Ion:180 Resp: 274692

Ion Ratio Lower Upper

180 100

182 94.8 76.5 114.7

145 30.2 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

