

Data File : VV009603.D
Acq On : 12 Mar 2019 11:28
Operator : SY/MD
Sample : VSTD05063
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Quant Time: Mar 13 01:51:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 13 01:47:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	164960	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	166543	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	79503	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55405	56.75	ug/L	0.00
7) Chloroethane-d5	1.55	69	62056	61.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	140117	54.40	ug/L	0.00
21) 2-Butanone-d5	3.93	46	82160	113.88	ug/L	0.00
24) Chloroform-d	4.40	84	119866	56.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	79382	56.25	ug/L	0.00
32) Benzene-d6	5.10	84	241123	55.68	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	73032	56.40	ug/L	0.00
41) Toluene-d8	7.36	98	235115	55.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	37730	56.41	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	63237	111.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	117720	56.59	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	91855	54.77	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	51614	49.478 ug/L	100
3) Chloromethane	1.25	50	48155	48.328 ug/L	100
5) Vinyl chloride	1.32	62	53103	49.982 ug/L	100
6) Bromomethane	1.51	94	45341	50.032 ug/L	100
8) Chloroethane	1.57	64	41969	50.723 ug/L	100
9) Trichlorofluoromethane	1.75	101	113554	50.413 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	62994	50.437 ug/L	100
12) 1,1-Dichloroethene	2.13	96	54272	50.794 ug/L	100
13) Acetone	2.19	43	69744	91.717 ug/L	100
14) Carbon disulfide	2.31	76	133255	49.992 ug/L	100
15) Methyl Acetate	2.46	43	48903	49.624 ug/L	100
16) Methylene chloride	2.53	84	52371	50.364 ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	47641	48.892 ug/L	100
18) Methyl tert-butyl Ether	2.80	73	157588	50.322 ug/L	100
19) 1,1-Dichloroethane	3.23	63	91169	50.597 ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	57617	50.833 ug/L	100
22) 2-Butanone	4.02	43	84069	101.865 ug/L	100
23) Bromochloromethane	4.30	128	28743	50.252 ug/L	100
25) Chloroform	4.43	83	99872	49.445 ug/L	100
27) 1,2-Dichloroethane	5.18	62	80012	50.558 ug/L	100
29) Cyclohexane	4.72	56	81128	50.042 ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	90544	51.430 ug/L	100
31) Carbon tetrachloride	4.87	117	74031	50.389 ug/L	100
33) Benzene	5.15	78	210576	50.379 ug/L	100
34) Trichloroethene	5.96	95	55182	49.464 ug/L	100
35) Methylcyclohexane	6.18	83	87704	48.597 ug/L	100
37) 1,2-Dichloropropane	6.22	63	52087	48.891 ug/L	100
38) Bromodichloromethane	6.56	83	75082	49.976 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	84296	49.642 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	143547	100.246 ug/L	100

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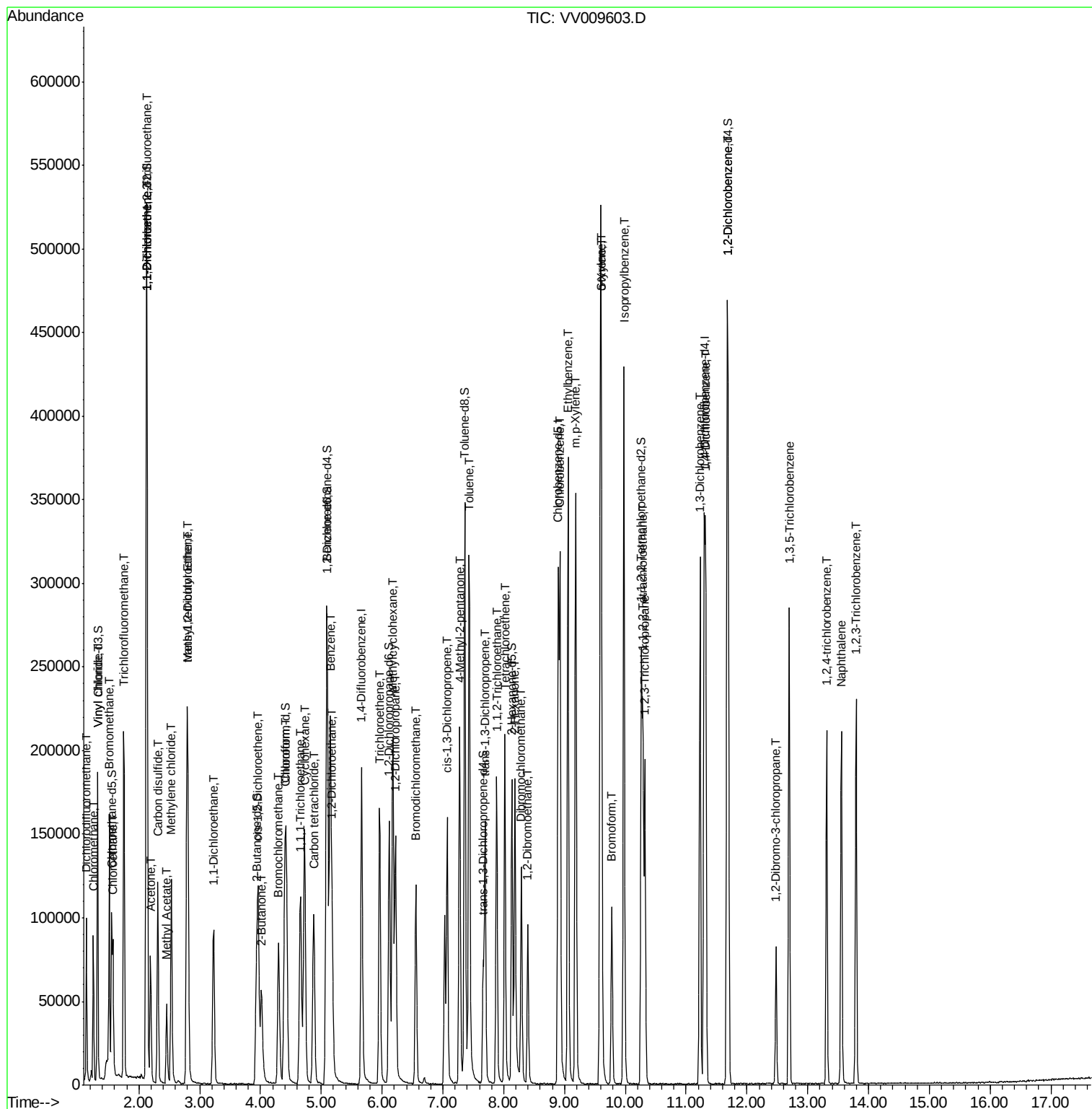
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	242919	50.990	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	85017	53.320	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	54700	49.779	ug/L	100
46) Tetrachloroethene	8.02	164	42927	48.943	ug/L	100
48) 2-Hexanone	8.19	43	117145	102.665	ug/L	100
49) Dibromochloromethane	8.29	129	62379	51.005	ug/L	100
50) 1,2-Dibromoethane	8.40	107	58988	50.678	ug/L	100
51) Chlorobenzene	8.93	112	160655	50.233	ug/L	100
52) Ethylbenzene	9.06	91	270778	50.172	ug/L	100
53) m,p-Xylene	9.18	106	104569	50.575	ug/L	100
54) o-Xylene	9.59	106	105329	50.468	ug/L	100
55) Styrene	9.60	104	173676	51.362	ug/L	100
56) Isopropylbenzene	9.98	105	274680	50.548	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	98350	50.626	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	72272	50.031	ug/L	100
61) Bromoform	9.78	173	43747	48.802	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	120068	49.675	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	116998	49.108	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	124114	50.118	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	18302	48.896	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	79038	50.449	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	56746	52.330	ug/L	100
69) Naphthalene	13.55	128	160969	52.721	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	62376	54.604	ug/L	100

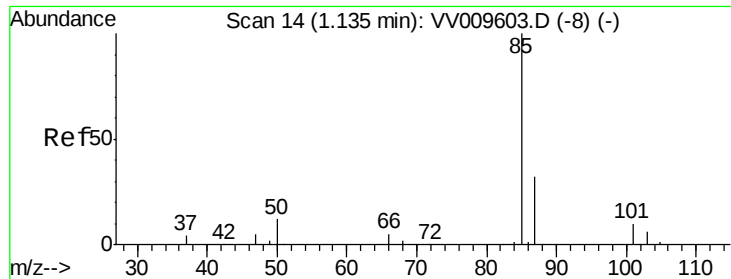
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.478 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

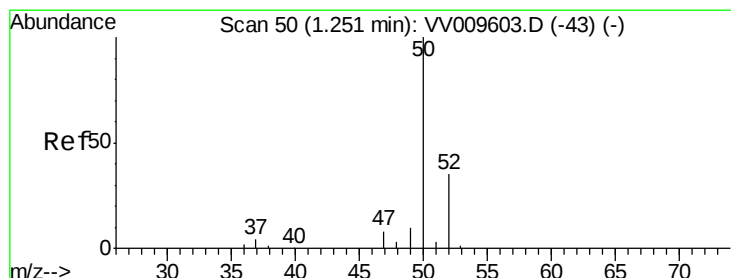
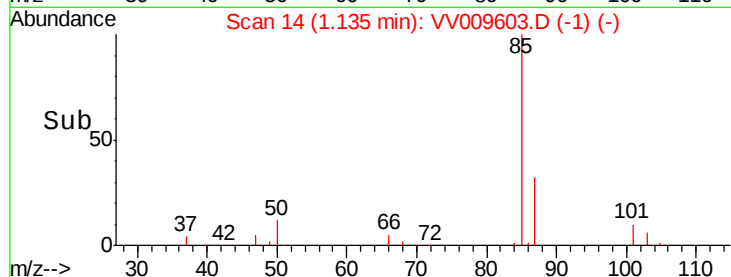
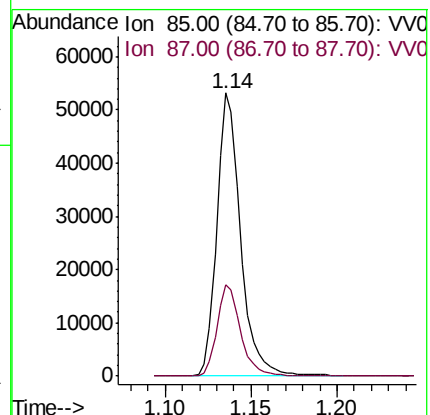
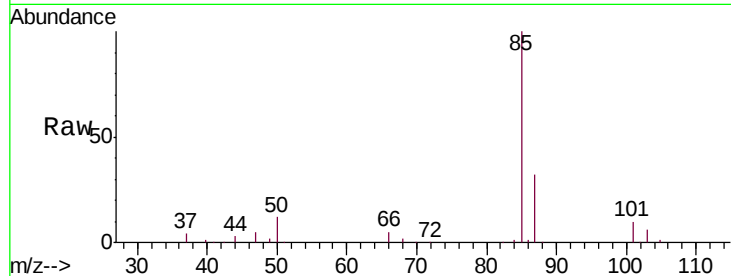
VSTD05063

Tgt Ion: 85 Resp: 51614

Ion Ratio Lower Upper

85 100

87 32.0 25.6 38.4



#3

Chloromethane

Concen: 48.328 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009603.D

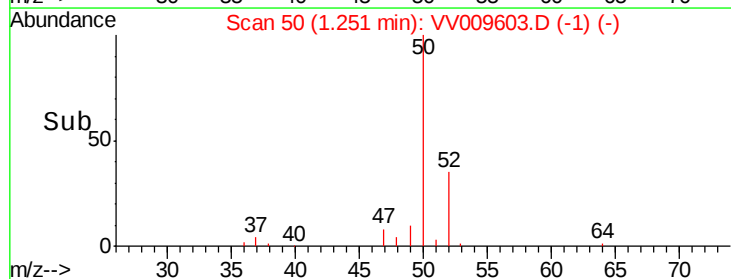
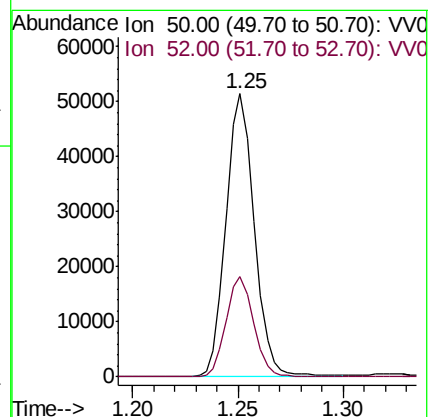
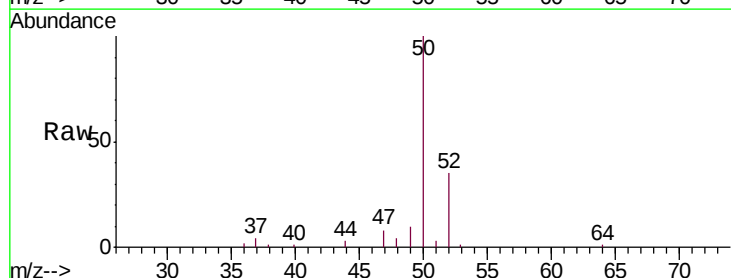
Acq: 12 Mar 2019 11:28

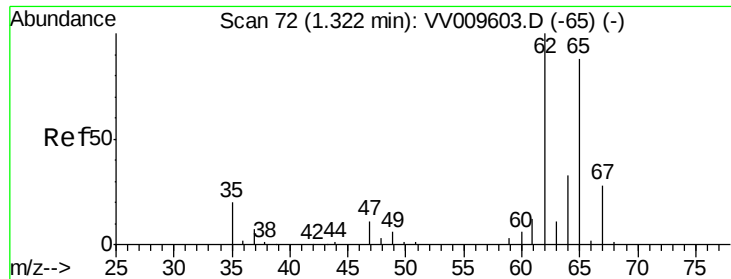
Tgt Ion: 50 Resp: 48155

Ion Ratio Lower Upper

50 100

52 35.3 24.7 45.9





#5

Vinyl chloride

Concen: 49.982 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

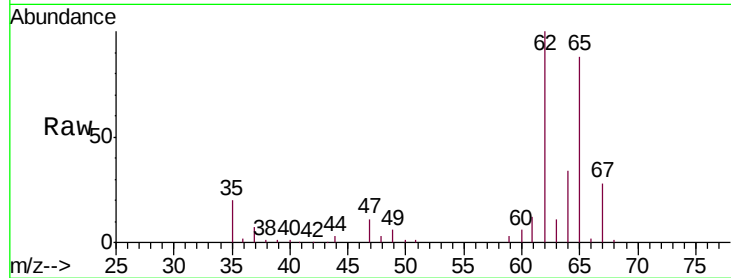
VSTD05063

Tgt Ion: 62 Resp: 53103

Ion Ratio Lower Upper

62 100

64 33.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV009603.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009603.D (-65) (-)

1.32

60000

50000

40000

30000

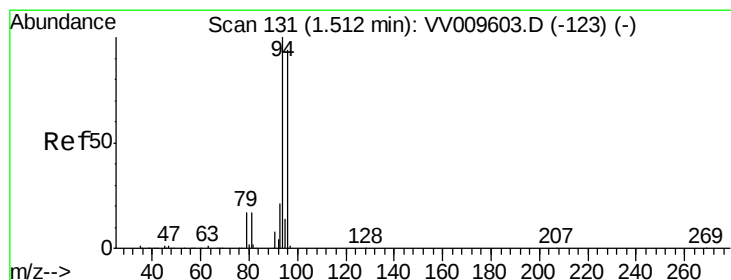
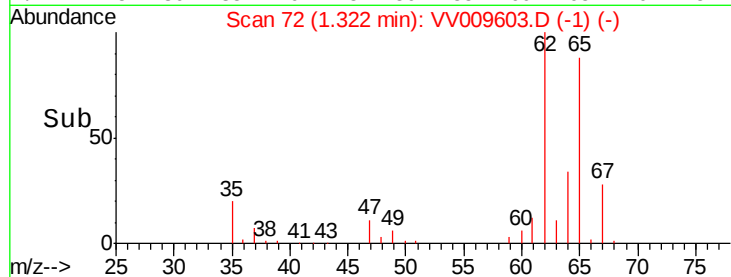
20000

10000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 50.032 ug/L

RT: 1.51 min Scan# 131

Delta R.T. 0.00 min

Lab File: VV009603.D

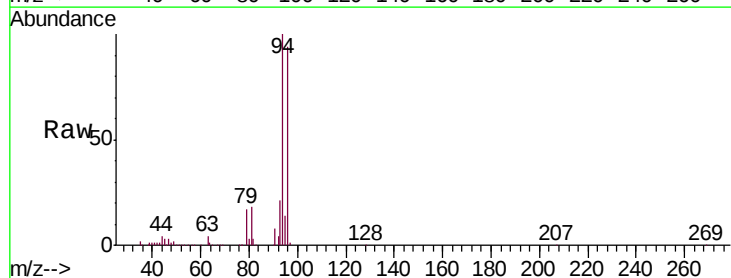
Acq: 12 Mar 2019 11:28

Tgt Ion: 94 Resp: 45341

Ion Ratio Lower Upper

94 100

96 93.6 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV009603.D (-123) (-)

Ion 96.00 (95.70 to 96.70): VV009603.D (-123) (-)

1.51

60000

50000

40000

30000

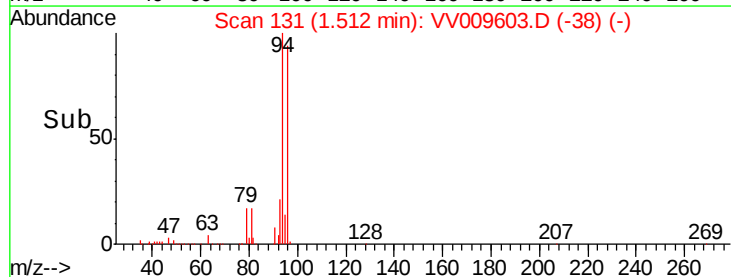
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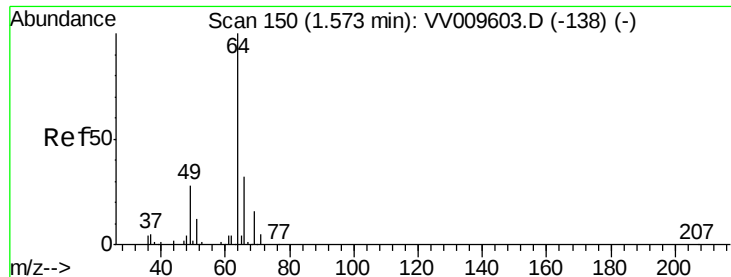
10000

0

1.45 1.50 1.55

Time-->

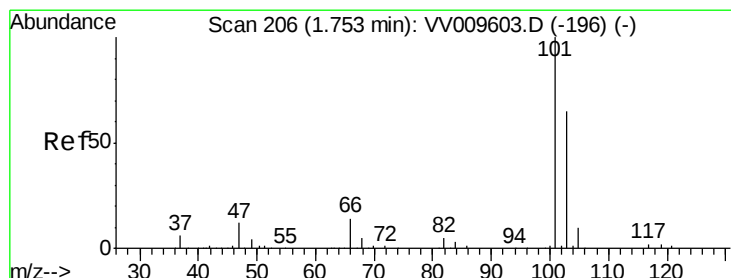
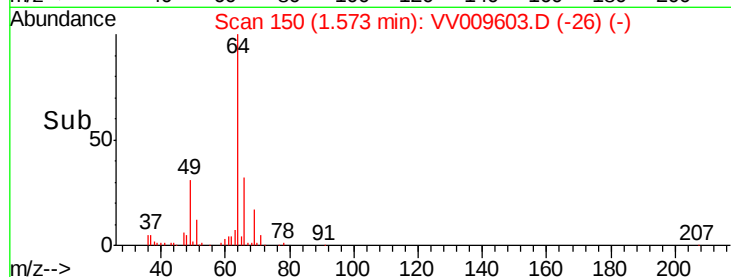
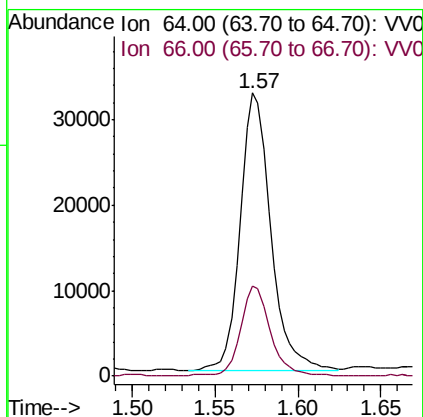
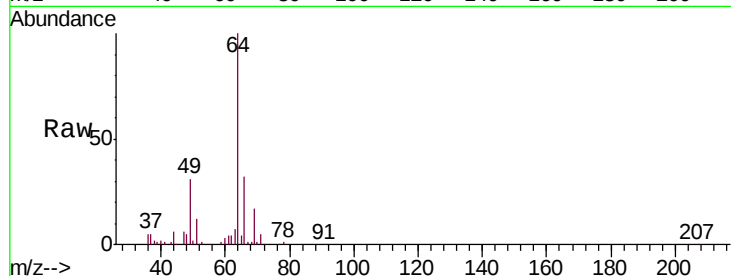




#8
Chloroethane
Concen: 50.723 ug/L
RT: 1.57 min Scan# 150
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

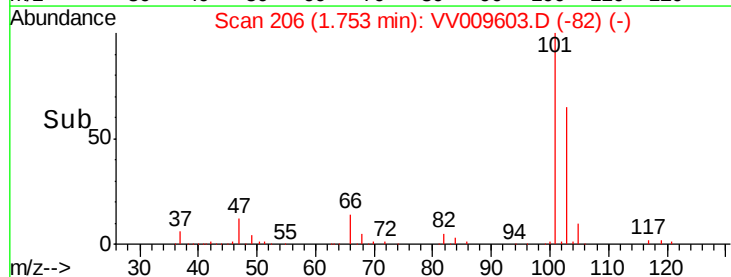
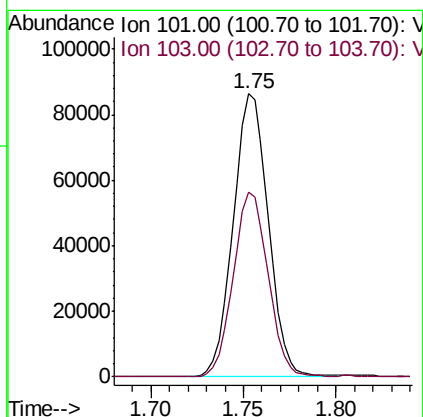
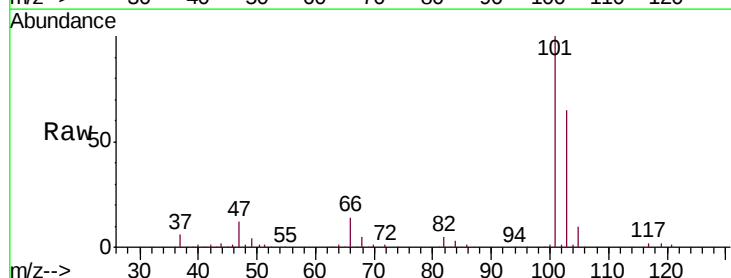
Instrument :
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ClientSampleId :
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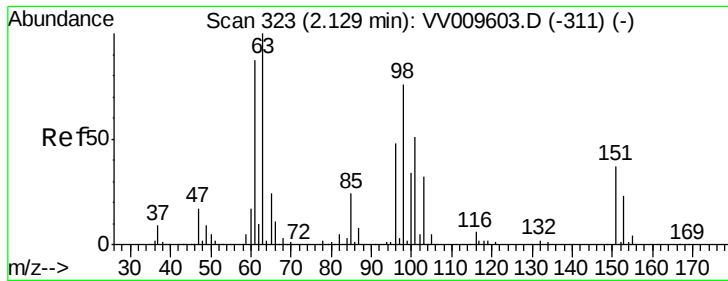
Tgt Ion: 64 Resp: 41969
Ion Ratio Lower Upper
64 100
66 31.7 22.2 41.2



#9
Trichlorofluoromethane
Concen: 50.413 ug/L
RT: 1.75 min Scan# 206
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

Tgt Ion: 101 Resp: 113554
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6





#10

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

Concen: 50.437 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

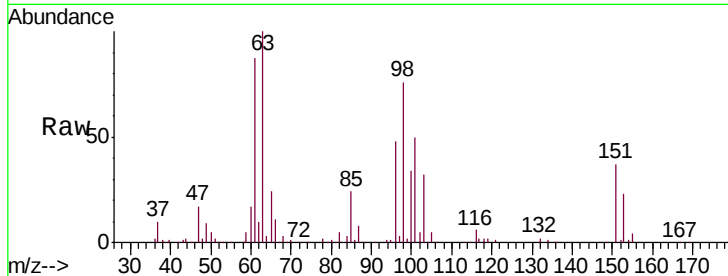
Tgt Ion:101 Resp: 62994

Ion Ratio Lower Upper

101 100

85 47.2 37.8 56.6

151 74.5 59.6 89.4

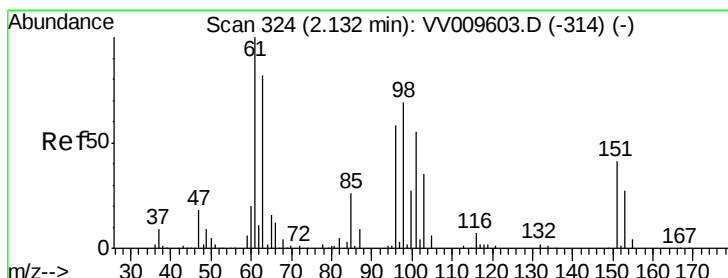
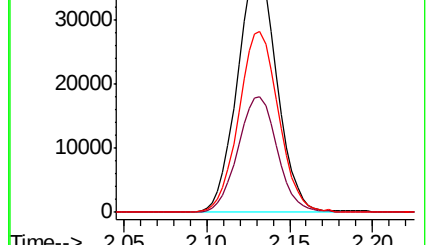
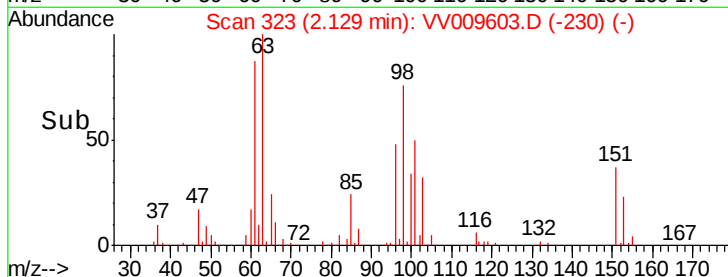


Abundance Ion 101.00 (100.70 to 101.70): VV009603.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV009603.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV009603.D (-311) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 50.794 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

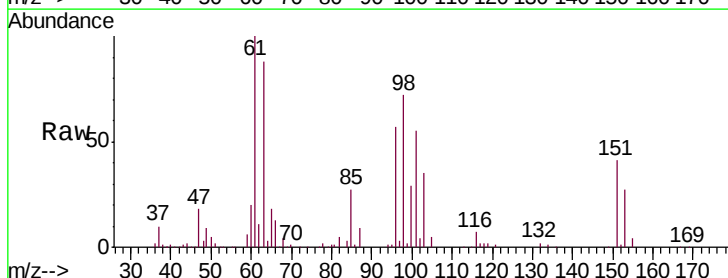
Tgt Ion: 96 Resp: 54272

Ion Ratio Lower Upper

96 100

61 174.4 122.1 226.7

63 153.7 107.6 199.8

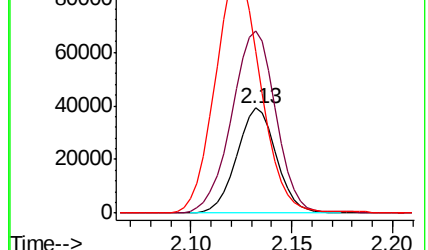
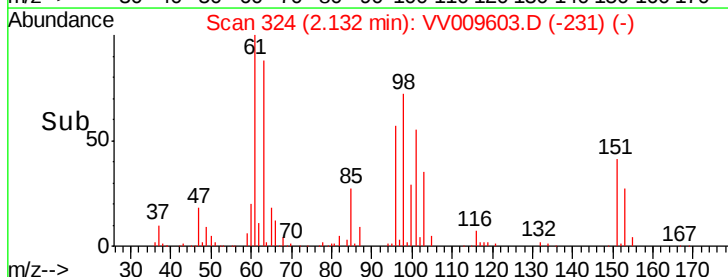


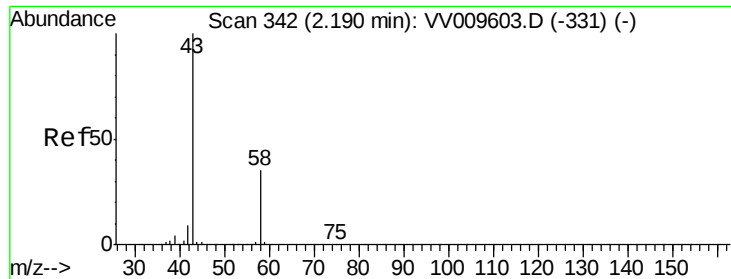
Abundance Ion 96.00 (95.70 to 96.70): VV009603.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV009603.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV009603.D (-314) (-)

Time-->





#13

Acetone

Concen: 91.717 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

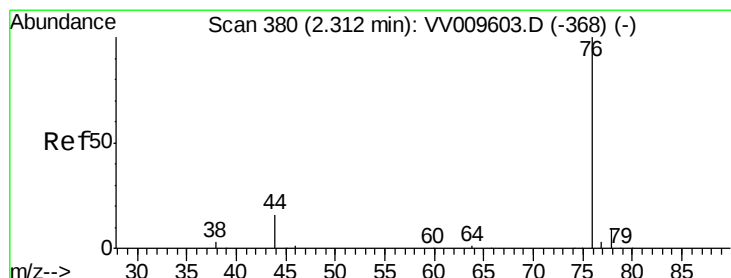
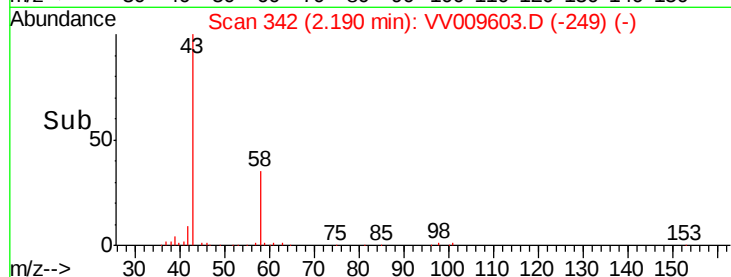
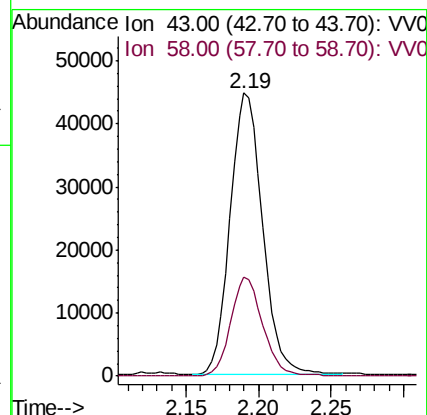
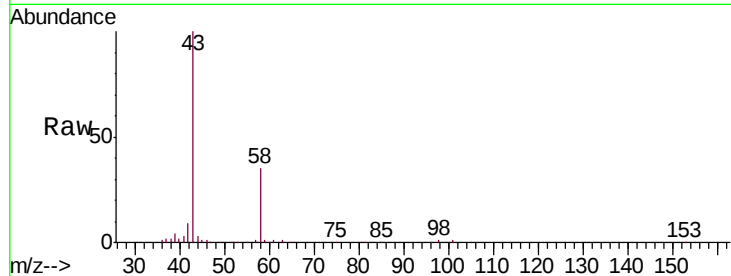
VSTD05063

Tgt Ion: 43 Resp: 69744

Ion Ratio Lower Upper

43 100

58 34.5 0.0 69.0



#14

Carbon disulfide

Concen: 49.992 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV009603.D

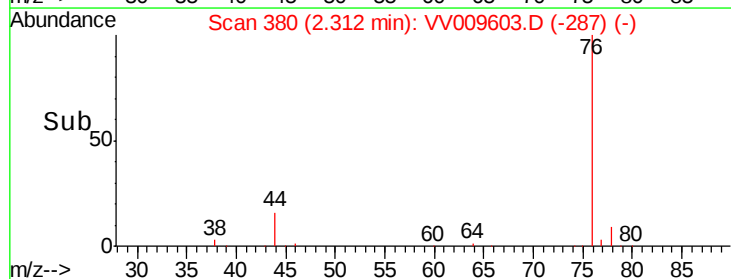
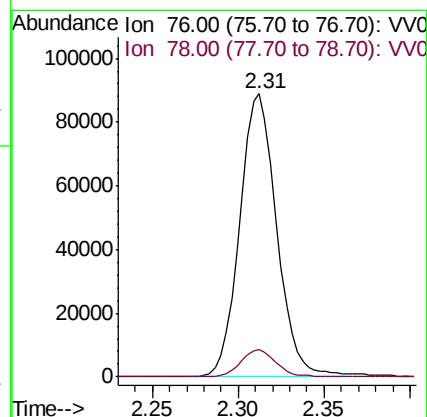
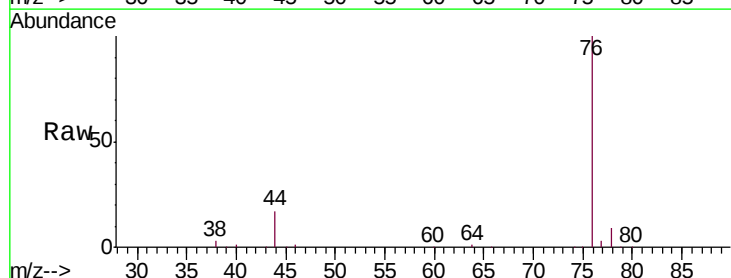
Acq: 12 Mar 2019 11:28

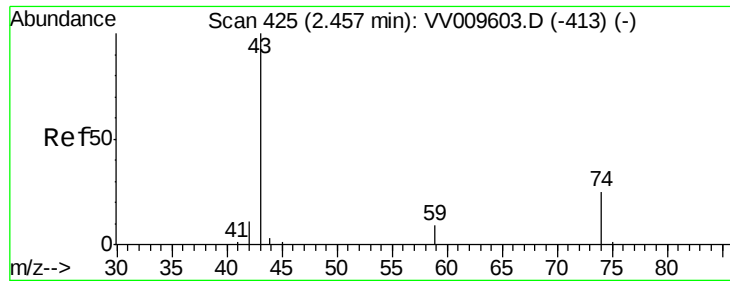
Tgt Ion: 76 Resp: 133255

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

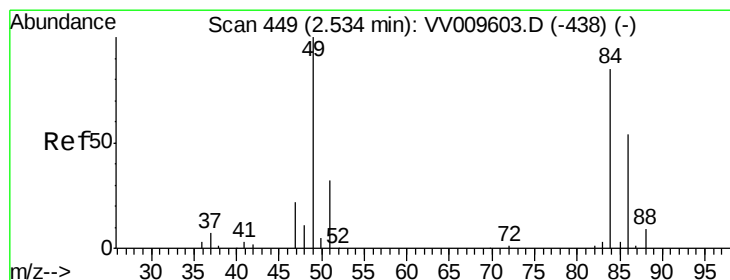
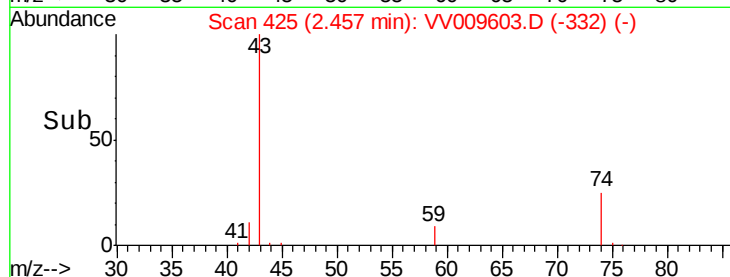
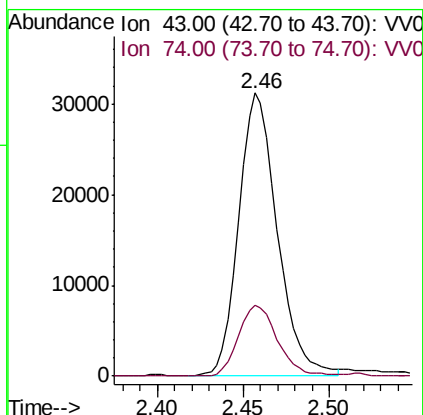
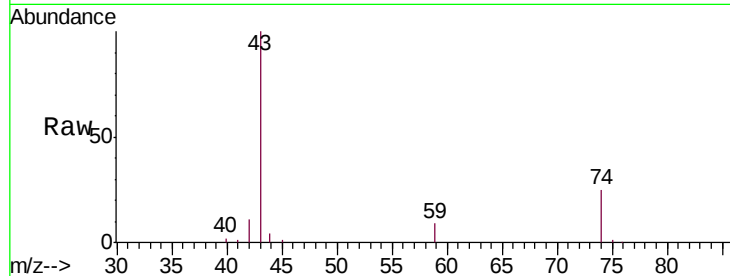




#15
Methyl Acetate
Concen: 49.624 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

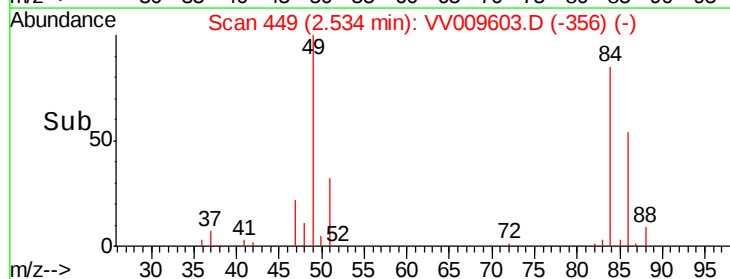
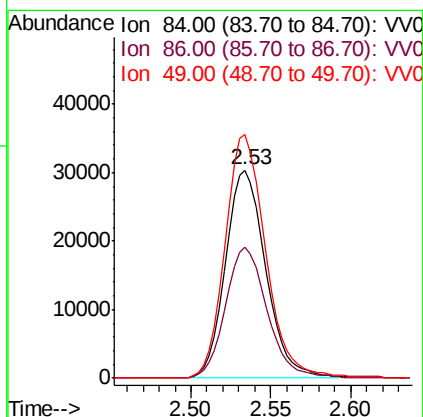
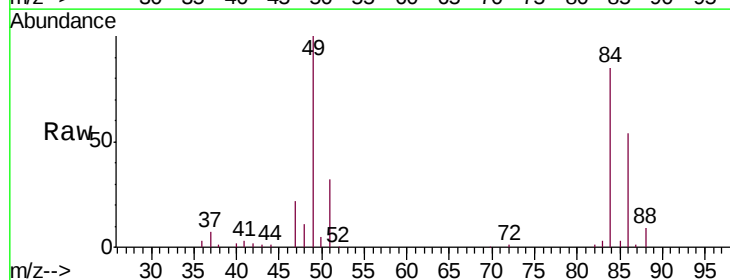
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

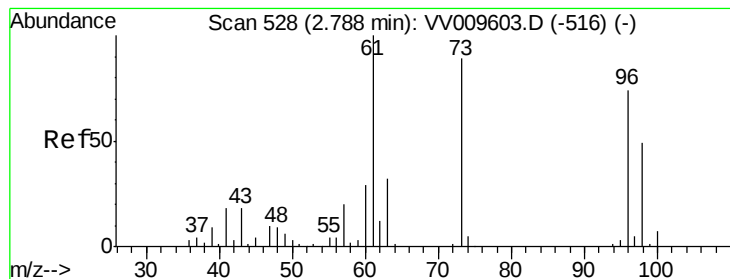
Tgt Ion: 43 Resp: 48903
Ion Ratio Lower Upper
43 100
74 25.0 20.0 30.0



#16
Methylene chloride
Concen: 50.364 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

Tgt Ion: 84 Resp: 52371
Ion Ratio Lower Upper
84 100
86 62.8 44.0 81.6
49 117.2 82.0 152.4





#17

trans-1,2-Dichloroethene

Concen: 48.892 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

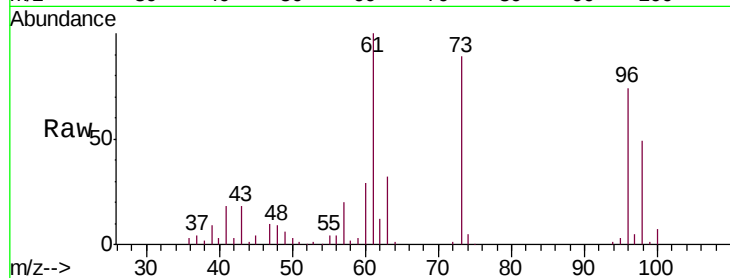
Tgt Ion: 96 Resp: 47641

Ion Ratio Lower Upper

96 100

61 134.3 94.0 174.6

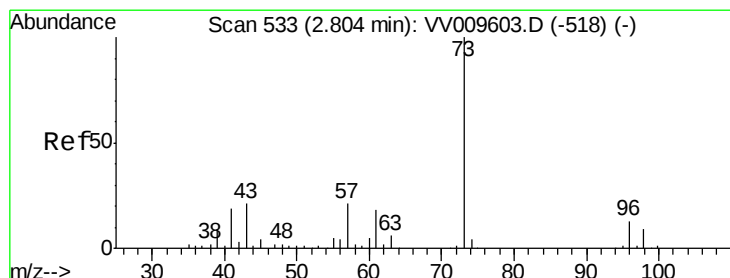
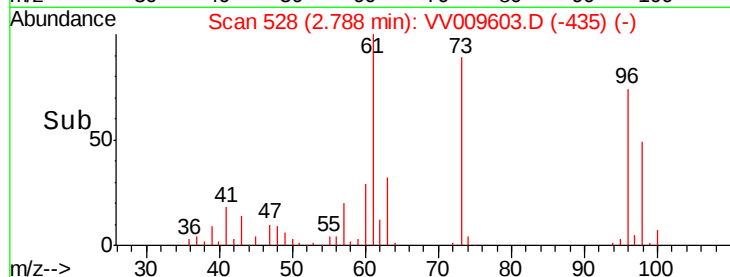
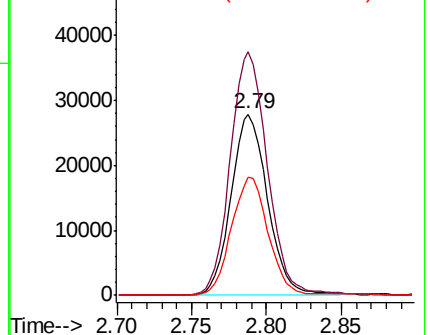
98 65.5 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VV009603.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VV009603.D (-516) (-)

Ion 98.00 (97.70 to 98.70): VV009603.D (-516) (-)



#18

Methyl tert-butyl Ether

Concen: 50.322 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

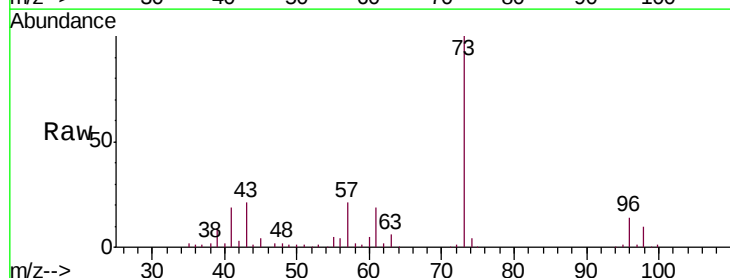
Tgt Ion: 73 Resp: 157588

Ion Ratio Lower Upper

73 100

43 20.4 16.3 24.5

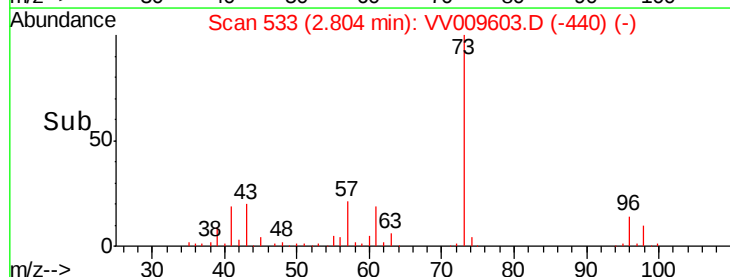
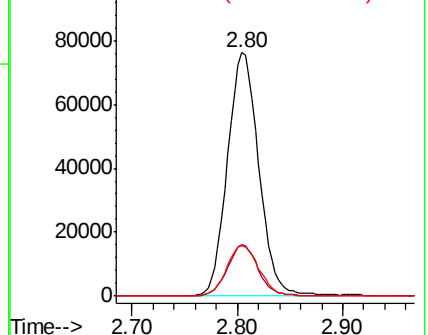
57 21.2 17.0 25.4

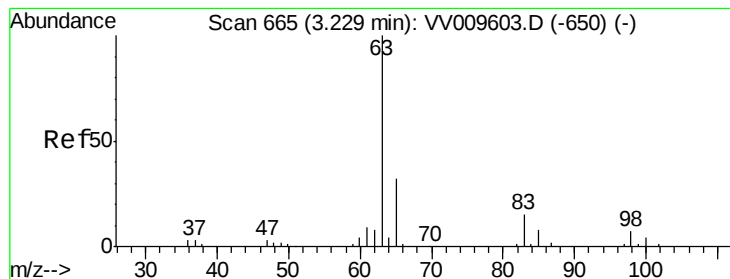


Abundance Ion 73.00 (72.70 to 73.70): VV009603.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV009603.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV009603.D (-518) (-)





#19

1,1-Dichloroethane

Concen: 50.597 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

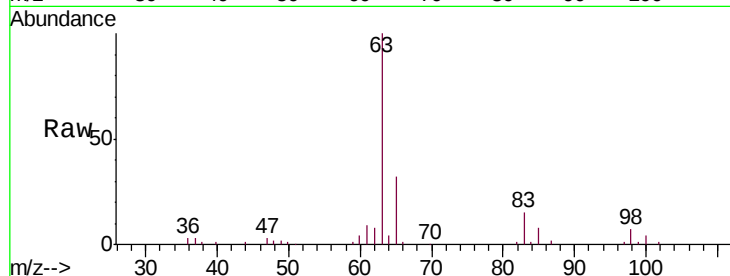
Tgt Ion: 63 Resp: 91169

Ion Ratio Lower Upper

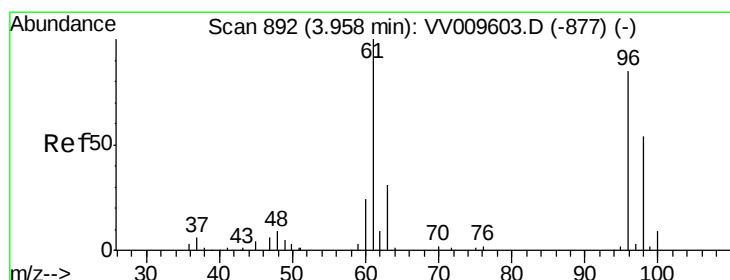
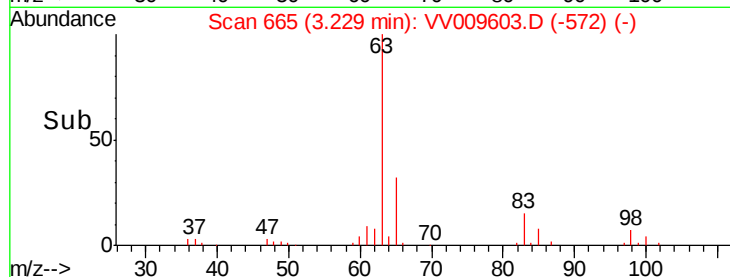
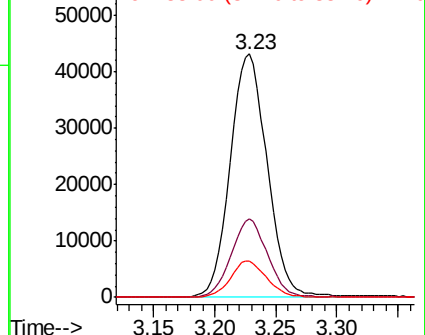
63 100

65 32.1 22.5 41.7

83 14.7 10.3 19.1



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: 50.833 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

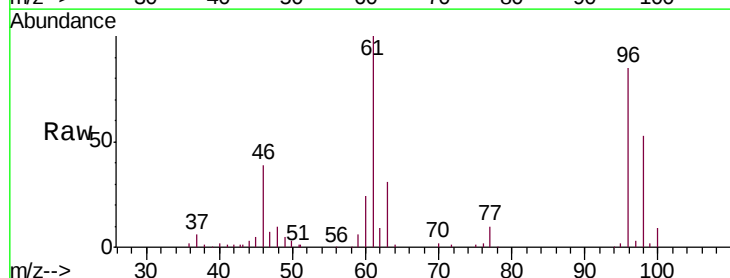
Tgt Ion: 96 Resp: 57617

Ion Ratio Lower Upper

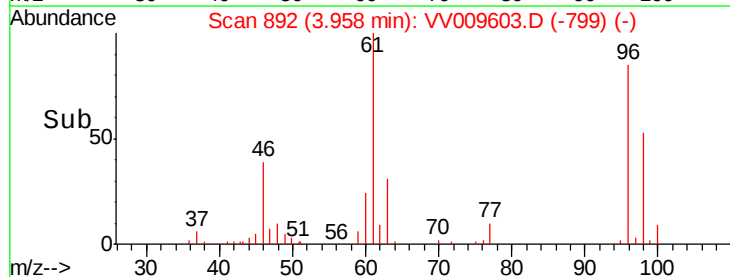
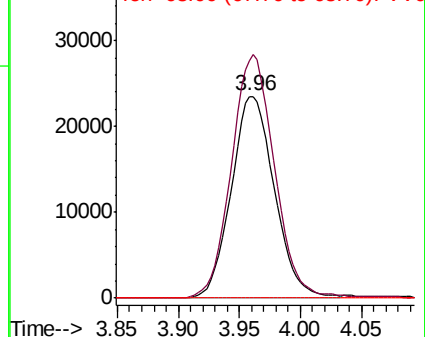
96 100

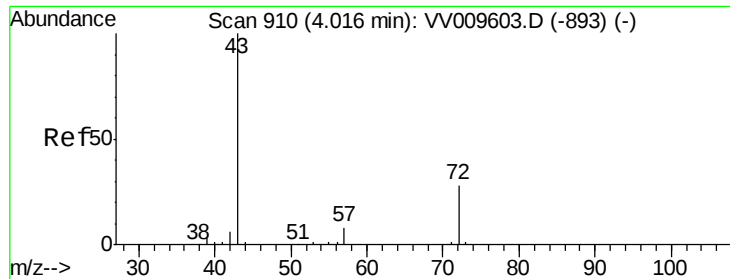
61 117.7 82.4 153.0

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: 101.865 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

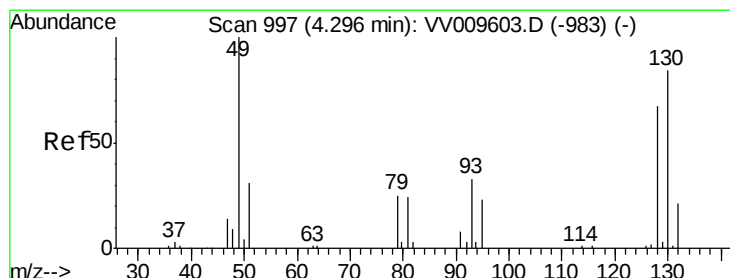
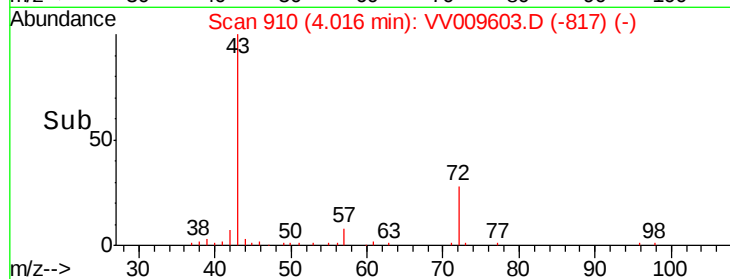
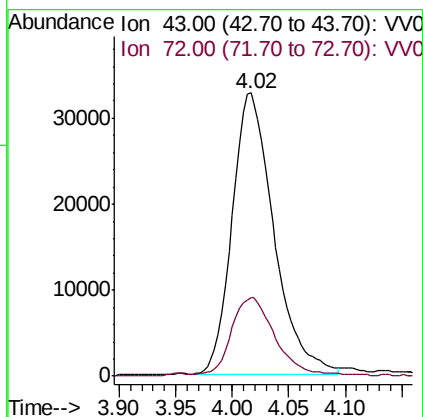
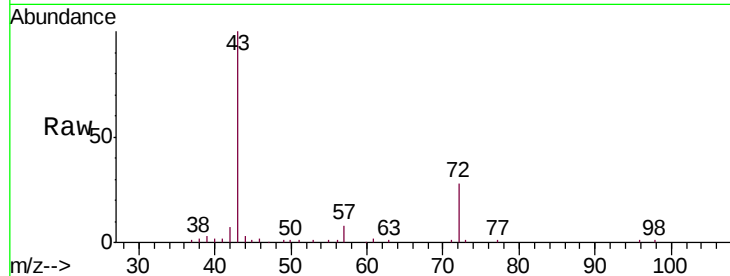
VSTD05063

Tgt Ion: 43 Resp: 84069

Ion Ratio Lower Upper

43 100

72 29.5 14.8 44.3



#23

Bromochloromethane

Concen: 50.252 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Tgt Ion: 128 Resp: 28743

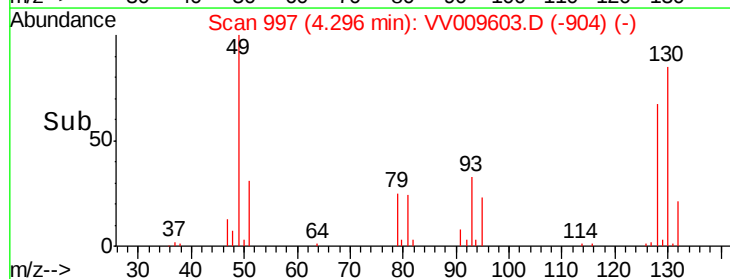
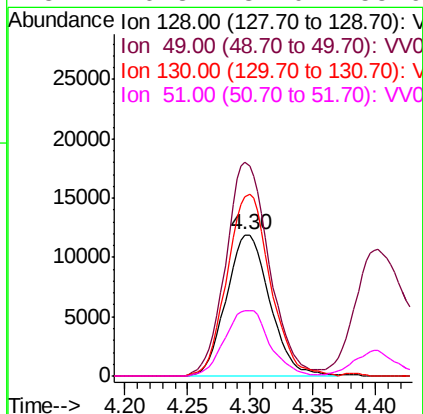
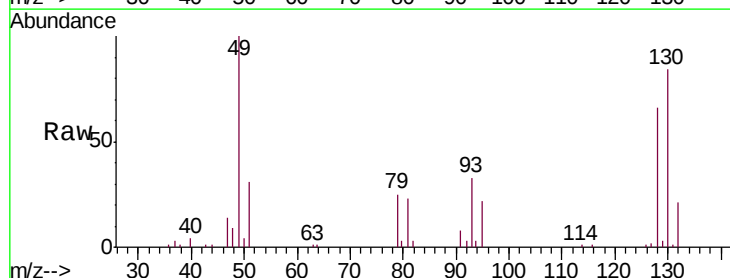
Ion Ratio Lower Upper

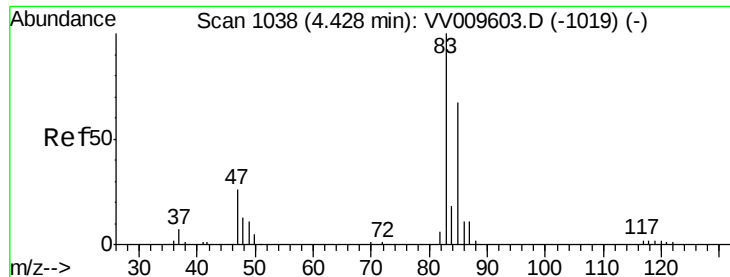
128 100

49 151.5 106.0 196.9

130 127.5 89.2 165.8

51 46.3 37.0 55.6

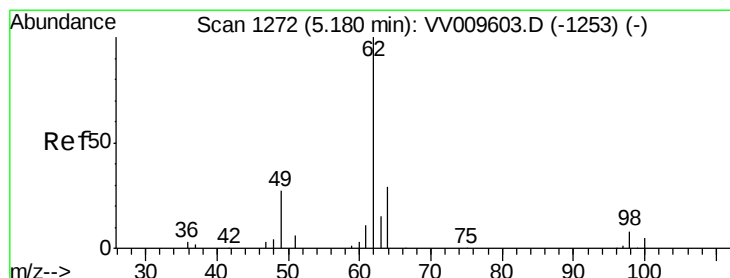
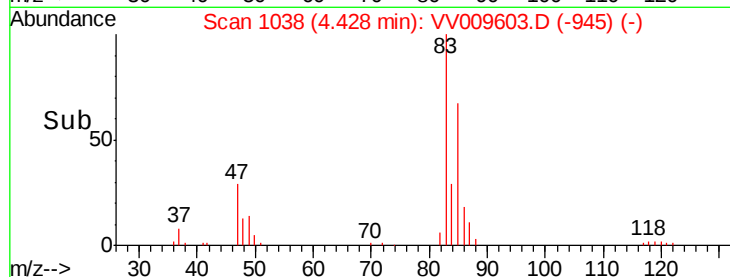
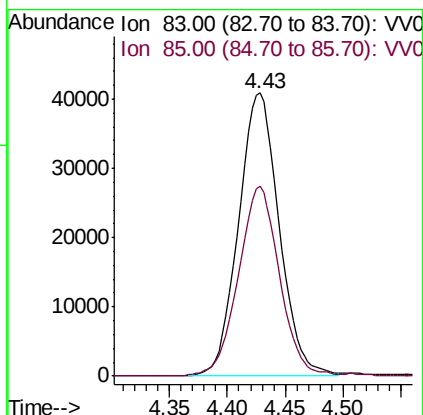
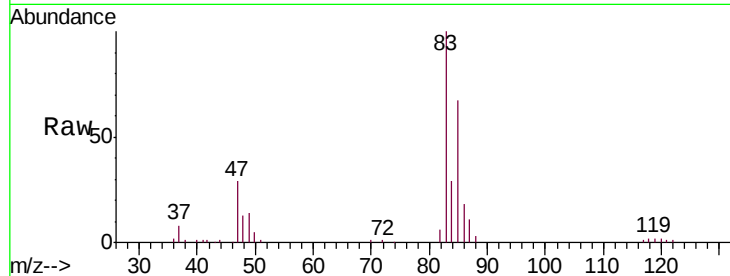




#25
Chloroform
Concen: 49.445 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

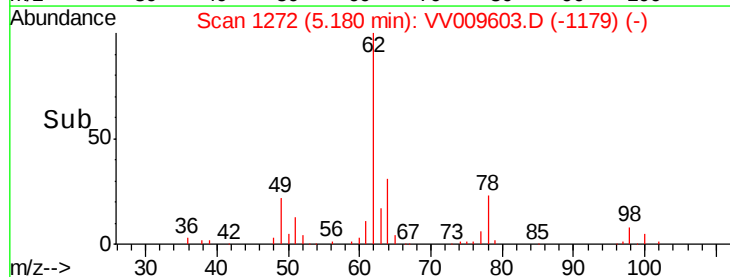
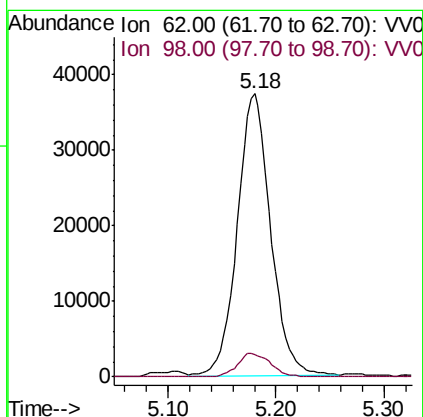
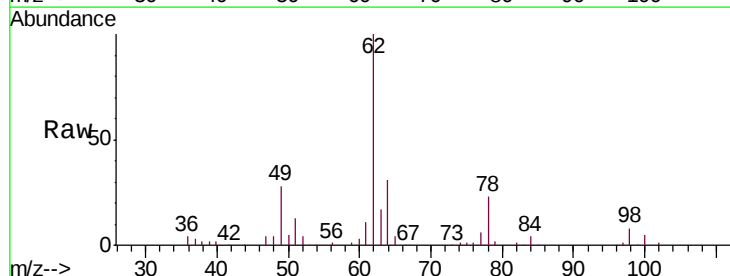
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

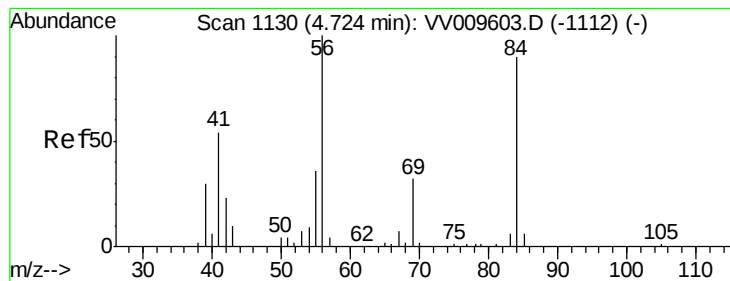
Tgt Ion: 83 Resp: 99872
Ion Ratio Lower Upper
83 100
85 67.2 47.0 87.4



#27
1,2-Dichloroethane
Concen: 50.558 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

Tgt Ion: 62 Resp: 80012
Ion Ratio Lower Upper
62 100
98 7.8 6.2 9.4





#29

Cyclohexane

Concen: 50.042 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

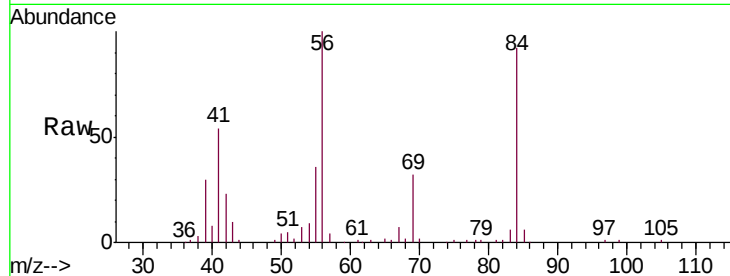
Tgt Ion: 56 Resp: 81128

Ion Ratio Lower Upper

56 100

69 31.4 25.1 37.7

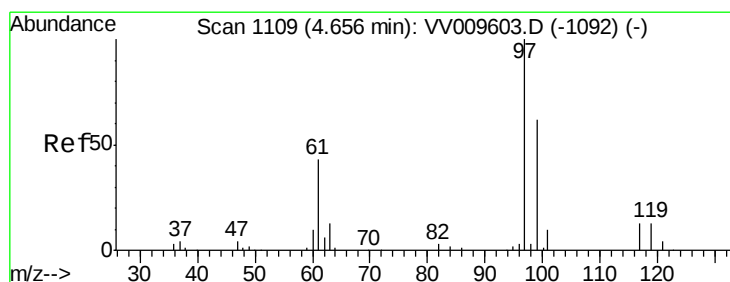
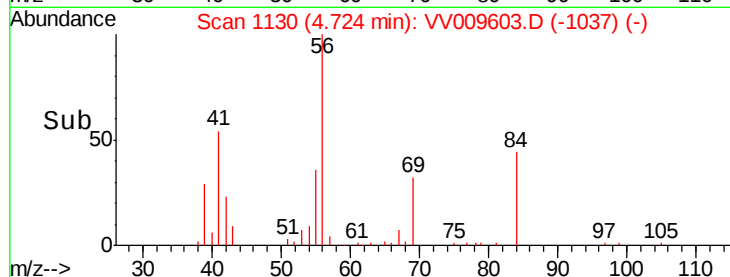
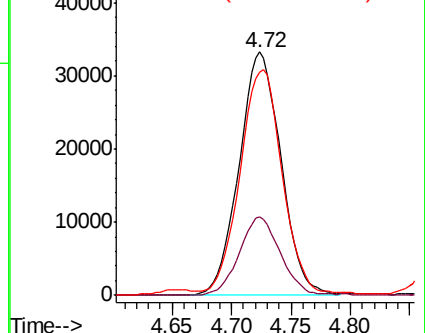
84 91.7 73.4 110.0



Abundance Ion 56.00 (55.70 to 56.70): VV009603.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VV009603.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VV009603.D (-1112) (-)



#30

1,1,1-Trichloroethane

Concen: 51.430 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

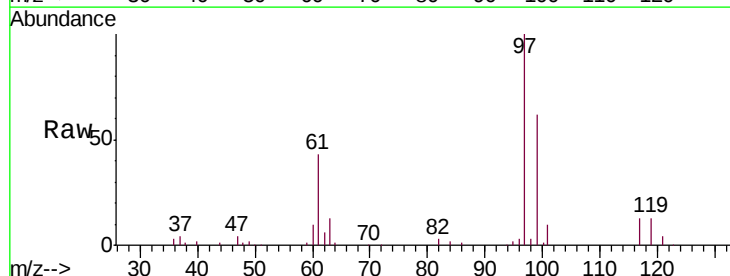
Tgt Ion: 97 Resp: 90544

Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

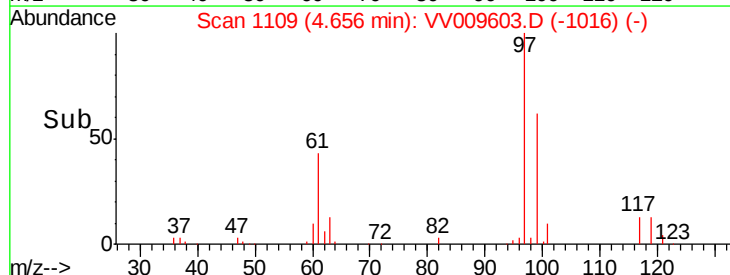
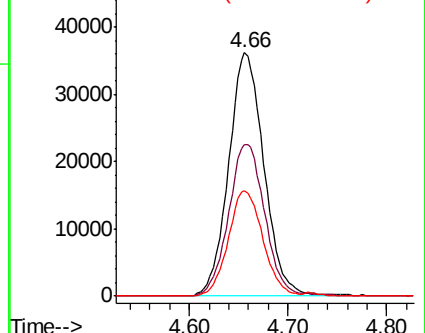
61 42.4 33.9 50.9

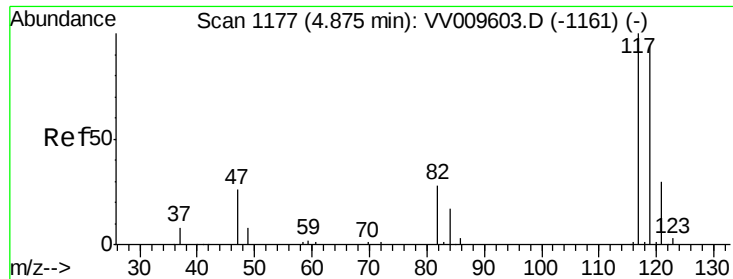


Abundance Ion 97.00 (96.70 to 97.70): VV009603.D (-1092) (-)

Ion 99.00 (98.70 to 99.70): VV009603.D (-1092) (-)

Ion 61.05 (60.75 to 61.75): VV009603.D (-1092) (-)





#31

Carbon tetrachloride

Concen: 50.389 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

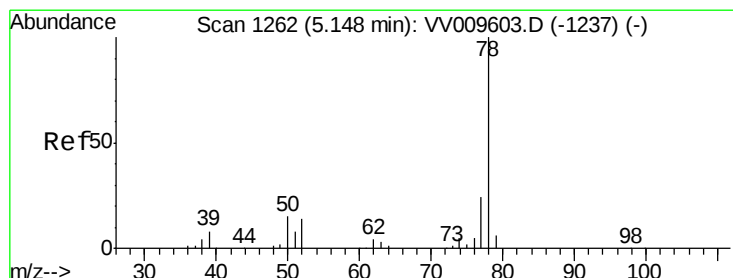
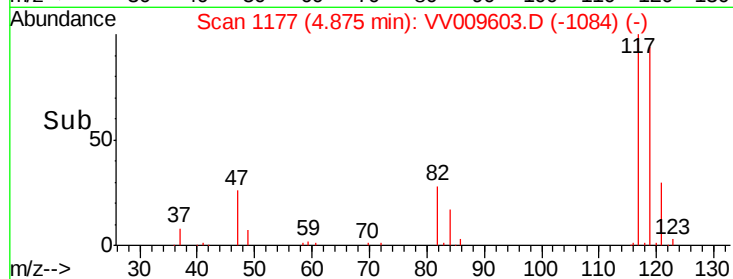
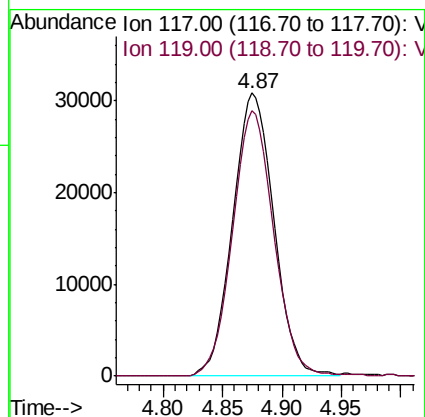
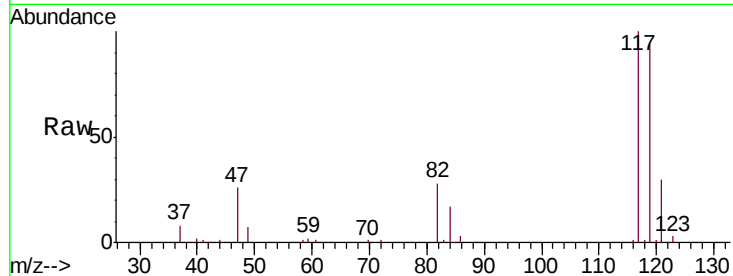
VSTD05063

Tgt Ion:117 Resp: 74031

Ion Ratio Lower Upper

117 100

119 93.9 75.1 112.7



#33

Benzene

Concen: 50.379 ug/L

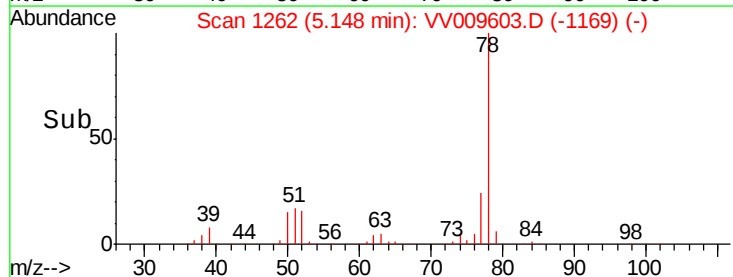
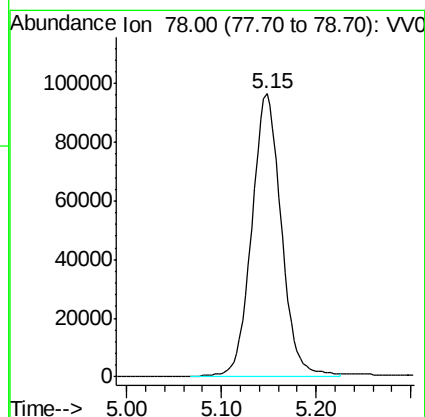
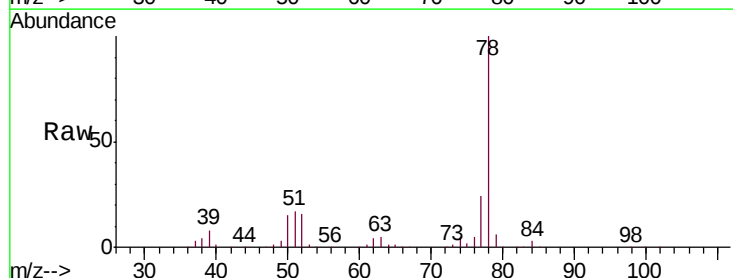
RT: 5.15 min Scan# 1262

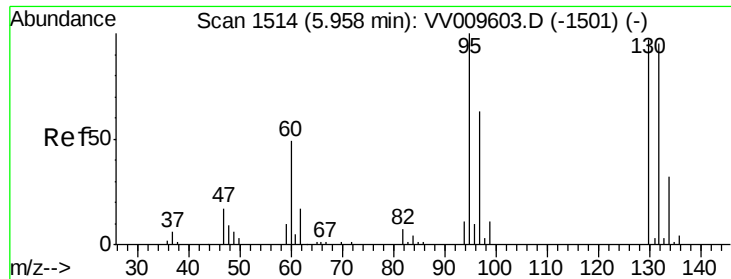
Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Tgt Ion: 78 Resp: 210576

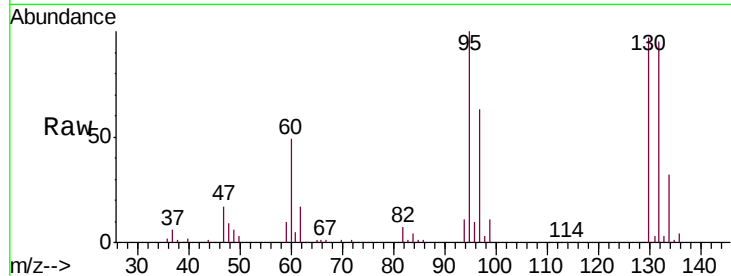




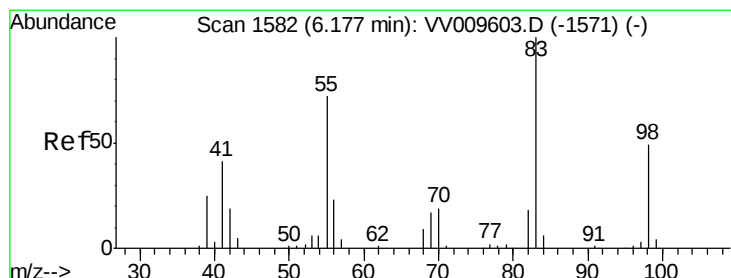
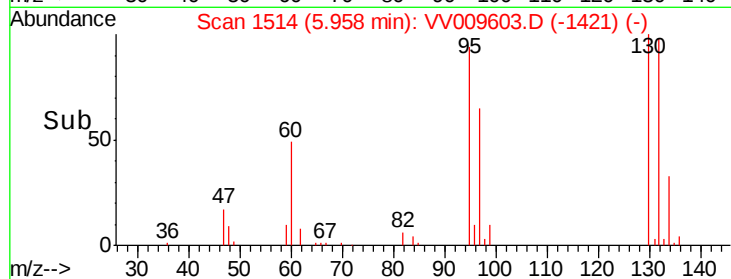
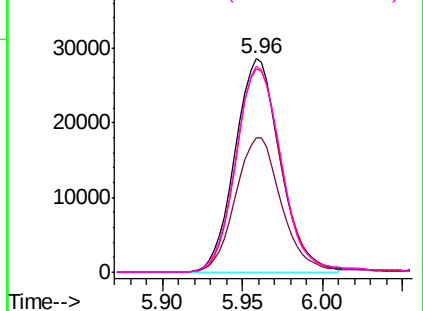
#34
 Trichloroethene
 Concen: 49.464 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009603.D
 Acq: 12 Mar 2019 11:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

Tgt Ion: 95 Resp: 55182
 Ion Ratio Lower Upper
 95 100
 97 63.2 44.2 82.2
 132 95.0 66.5 123.5
 130 96.8 67.8 125.8

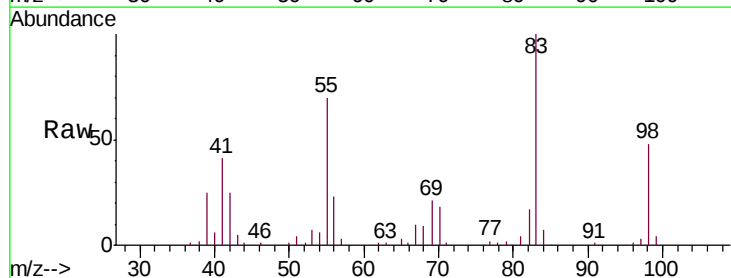


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

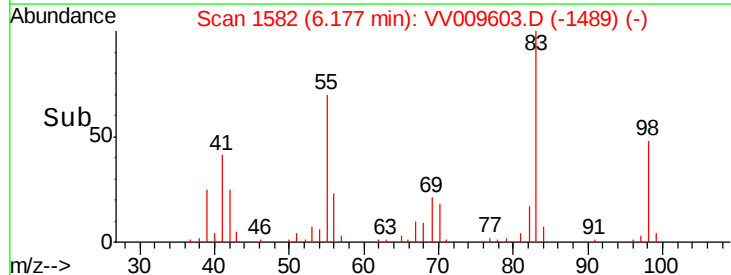
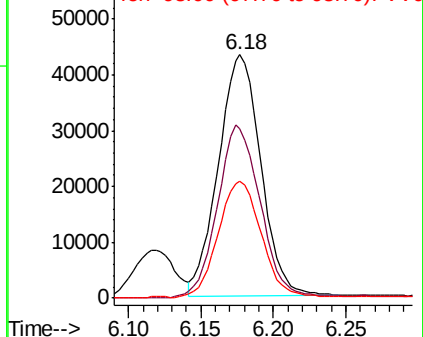


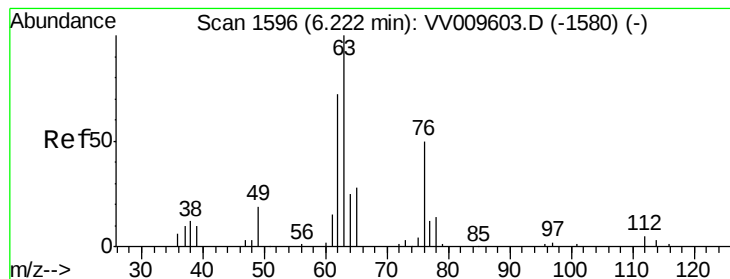
#35
 Methylcyclohexane
 Concen: 48.597 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV009603.D
 Acq: 12 Mar 2019 11:28

Tgt Ion: 83 Resp: 87704
 Ion Ratio Lower Upper
 83 100
 55 72.4 57.9 86.9
 98 49.0 39.2 58.8



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: 48.891 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

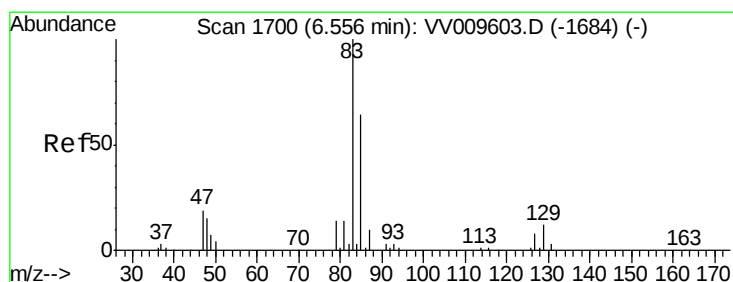
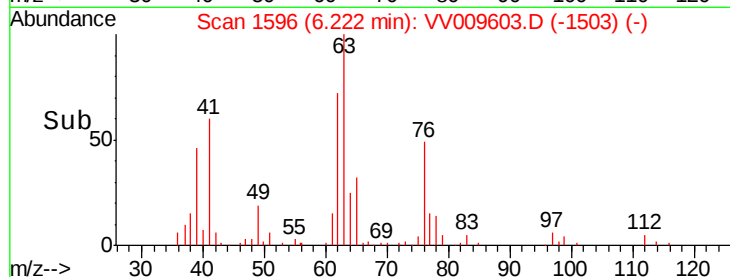
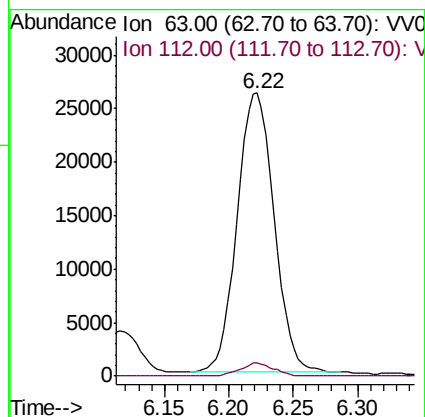
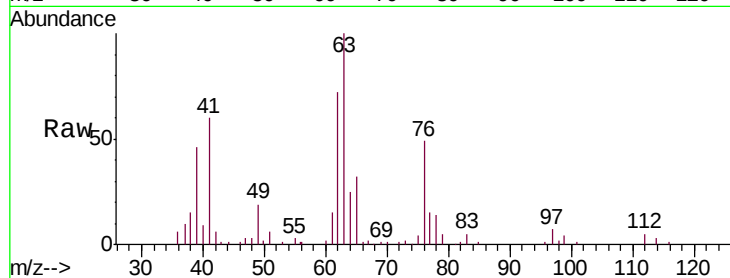
VSTD05063

Tgt Ion: 63 Resp: 52087

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



#38

Bromodichloromethane

Concen: 49.976 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

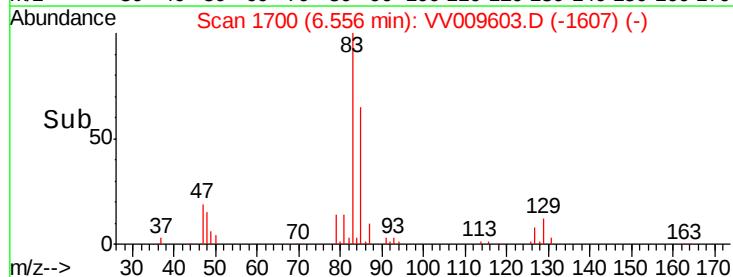
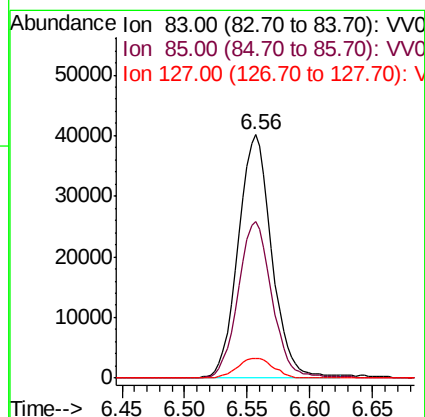
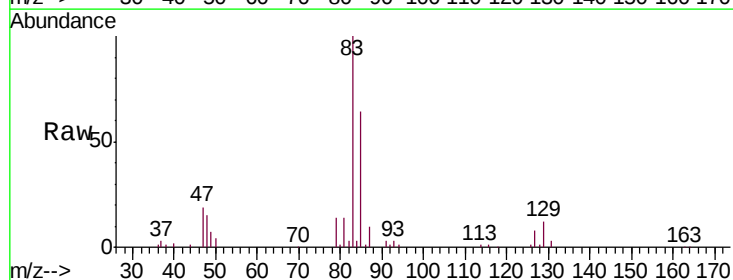
Tgt Ion: 83 Resp: 75082

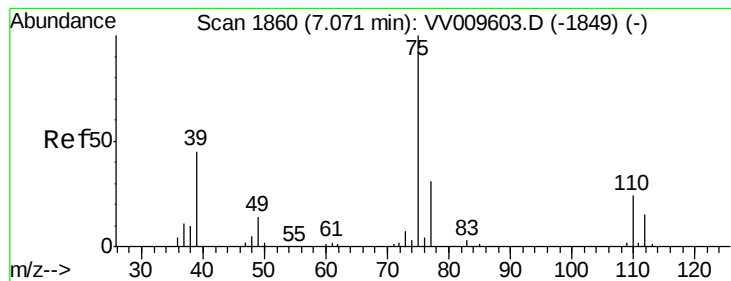
Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

127 8.3 6.6 10.0



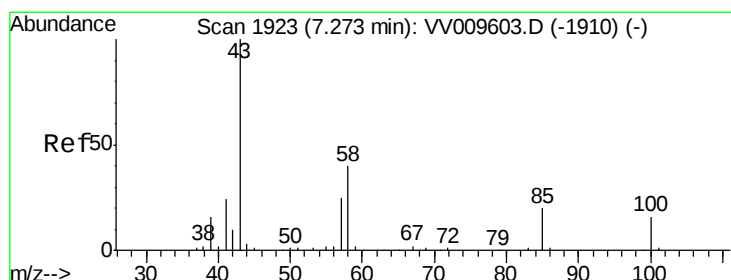
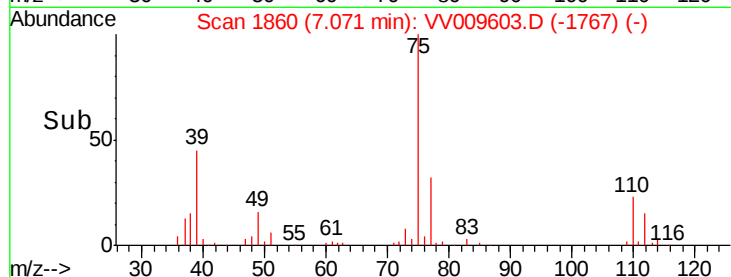
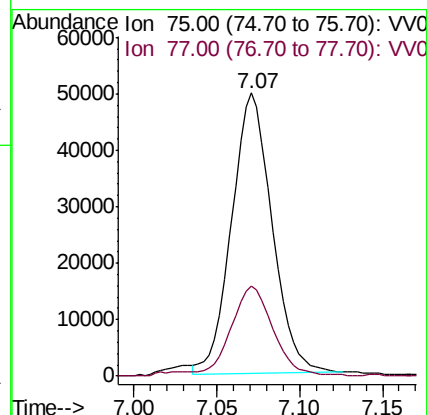
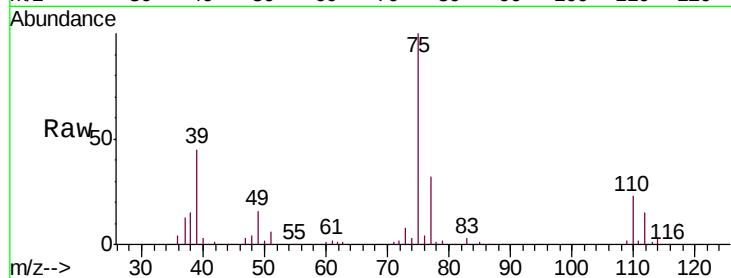


#39

cis-1,3-Dichloropropene
Concen: 49.642 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

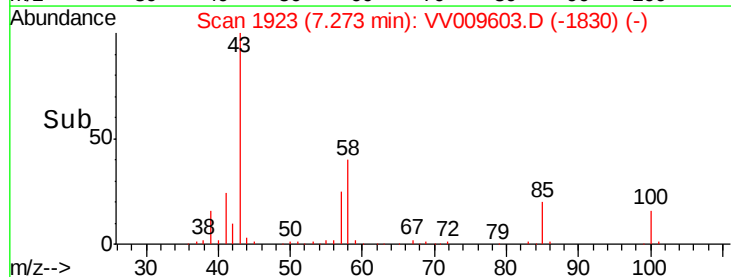
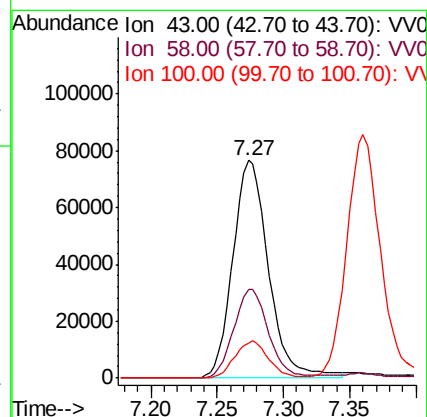
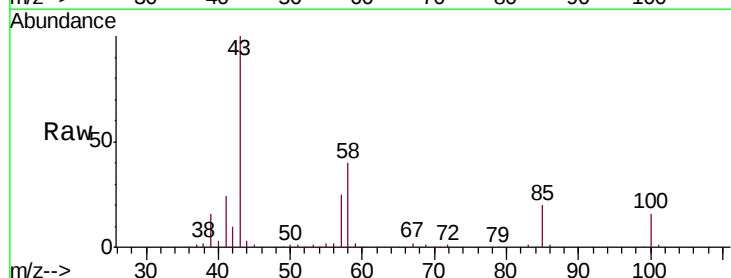
Tgt Ion: 75 Resp: 84296
Ion Ratio Lower Upper
75 100
77 31.9 22.3 41.5

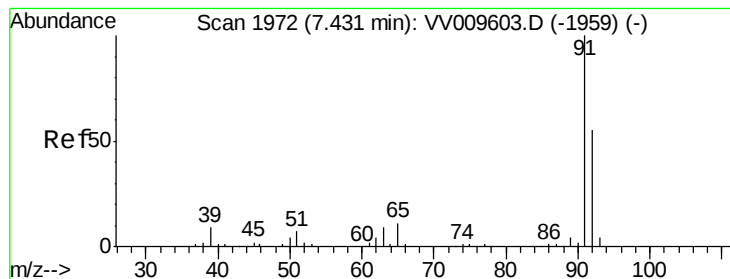


#40

4-Methyl-2-pentanone
Concen: 100.246 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

Tgt Ion: 43 Resp: 143547
Ion Ratio Lower Upper
43 100
58 40.1 32.1 48.1
100 16.1 12.9 19.3





#42

Toluene

Concen: 50.990 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

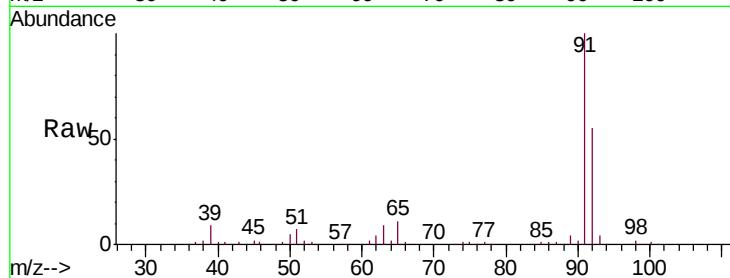
VSTD05063

Tgt Ion: 91 Resp: 242919

Ion Ratio Lower Upper

91 100

92 55.1 38.6 71.6



Abundance Ion 91.00 (90.70 to 91.70): VV009603.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV009603.D (-1959) (-)

7.43

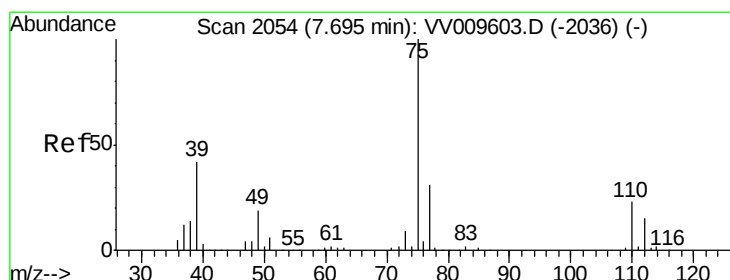
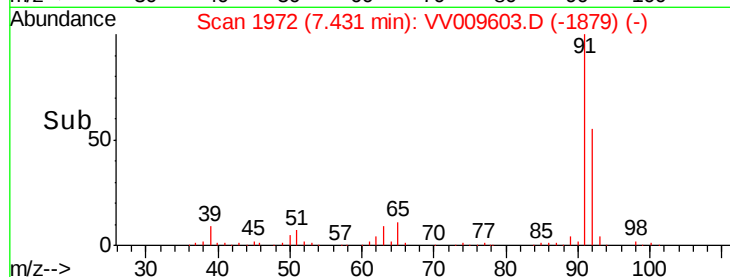
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.320 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009603.D

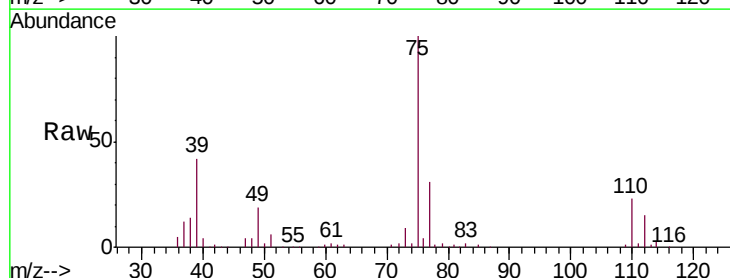
Acq: 12 Mar 2019 11:28

Tgt Ion: 75 Resp: 85017

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV009603.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009603.D (-2036) (-)

7.69

50000

40000

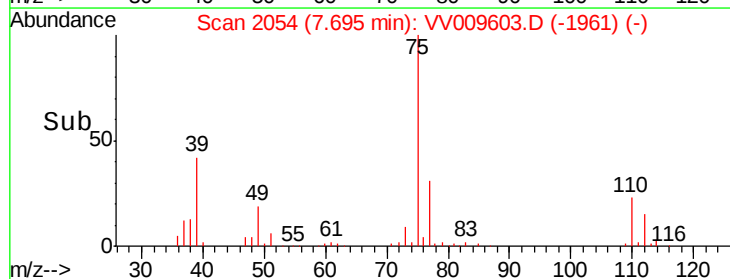
30000

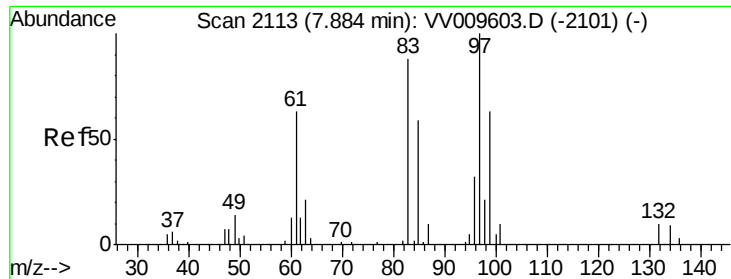
20000

10000

0

Time-->

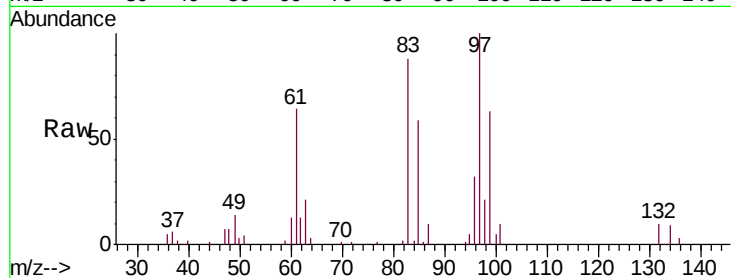




#45
 1,1,2-Trichloroethane
 Concen: 49.779 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009603.D
 Acq: 12 Mar 2019 11:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

Tgt Ion:	97	Resp:	54700
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.0	81.8
83	87.9	61.5	114.3
85	58.6	41.0	76.2



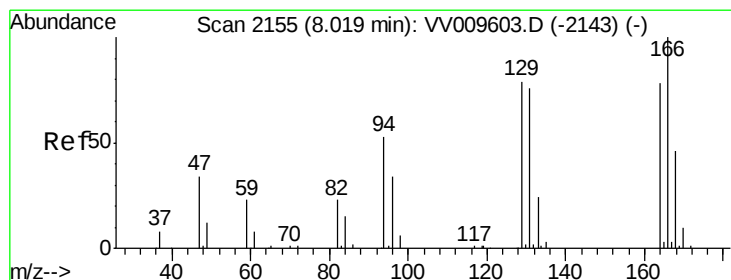
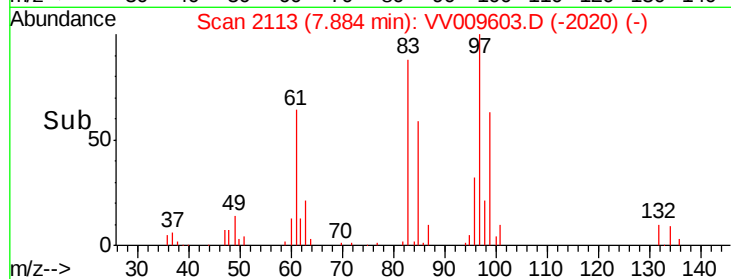
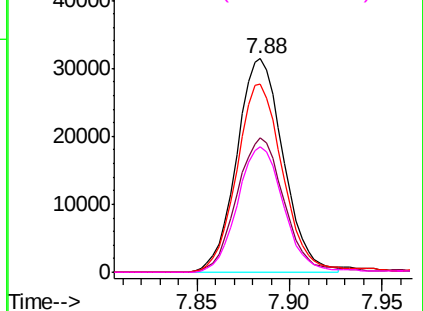
Abundance

Ion 97.00 (96.70 to 97.70): VV009603.D (-2101) (-)

Ion 99.00 (98.70 to 99.70): VV009603.D (-2101) (-)

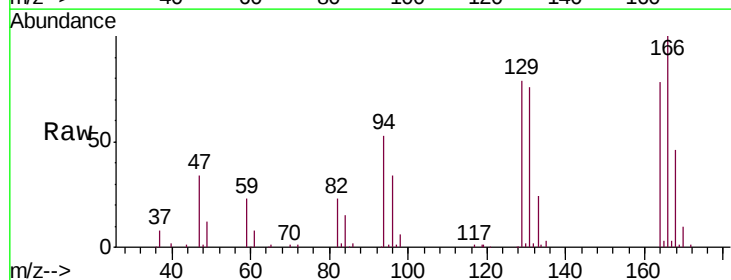
Ion 83.00 (82.70 to 83.70): VV009603.D (-2101) (-)

Ion 85.00 (84.70 to 85.70): VV009603.D (-2101) (-)



#46
 Tetrachloroethene
 Concen: 48.943 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009603.D
 Acq: 12 Mar 2019 11:28

Tgt Ion:	164	Resp:	42927
Ion	Ratio	Lower	Upper
164	100		
129	101.2	70.8	131.6
131	97.6	68.3	126.9
166	127.9	89.5	166.3



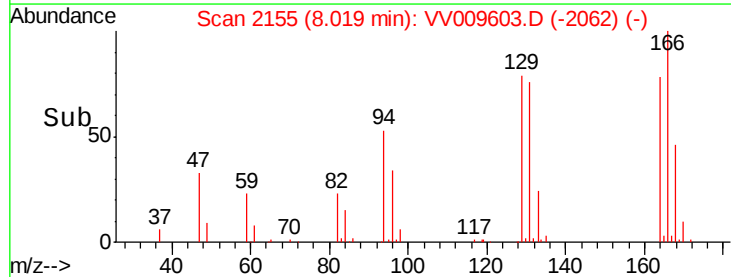
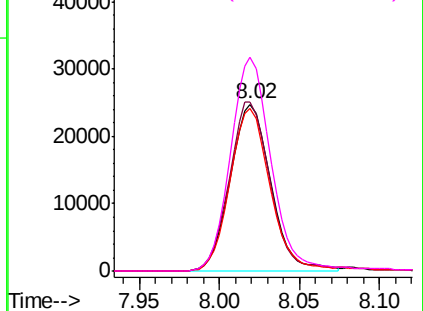
Abundance

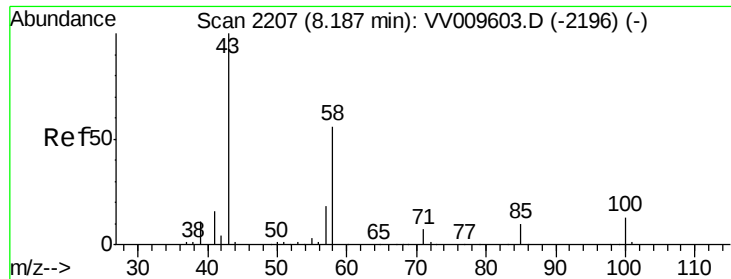
Ion 164.00 (163.70 to 164.70): VV009603.D (-2143) (-)

Ion 129.00 (128.70 to 129.70): VV009603.D (-2143) (-)

Ion 131.00 (130.70 to 131.70): VV009603.D (-2143) (-)

Ion 166.00 (165.70 to 166.70): VV009603.D (-2143) (-)

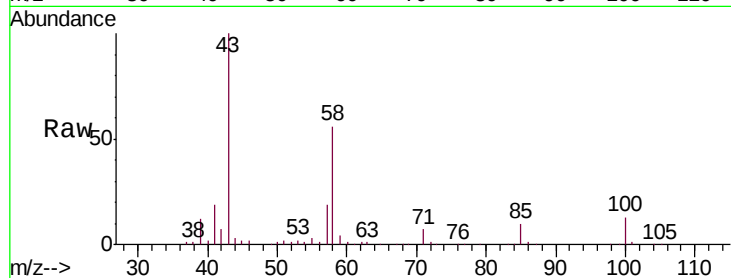




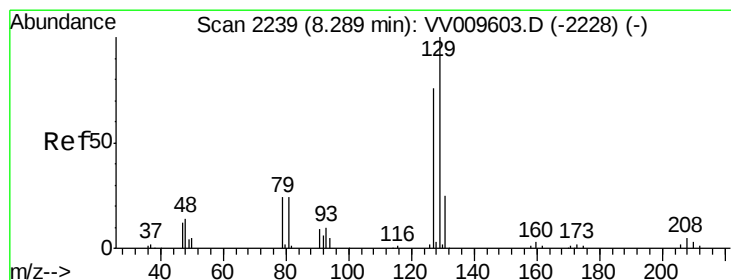
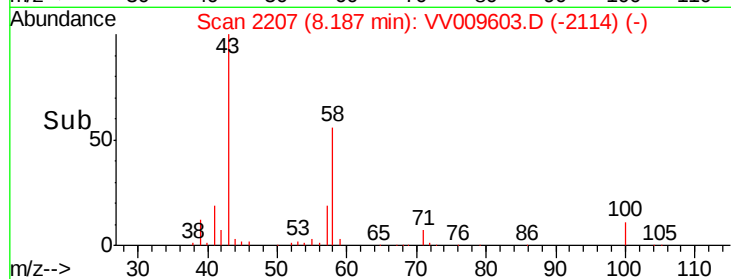
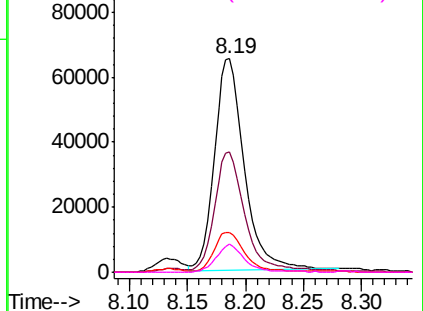
#48
2-Hexanone
Concen: 102.665 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Tgt Ion: 43 Resp: 117145
Ion Ratio Lower Upper
43 100
58 57.3 45.8 68.8
57 18.1 14.5 21.7
100 12.3 9.8 14.8

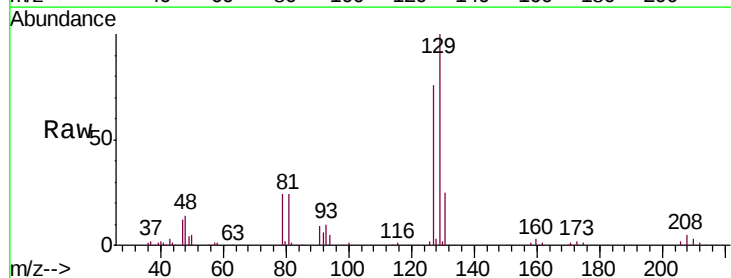


Abundance Ion 43.00 (42.70 to 43.70): VV009603.D (-2196) (-)
Ion 58.00 (57.70 to 58.70): VV009603.D (-2196) (-)
Ion 57.00 (56.70 to 57.70): VV009603.D (-2196) (-)
Ion 100.00 (99.70 to 100.70): VV009603.D (-2196) (-)

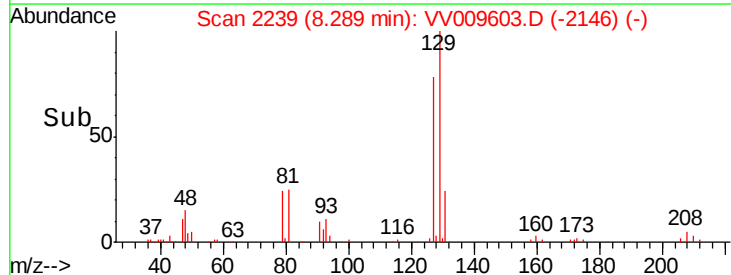
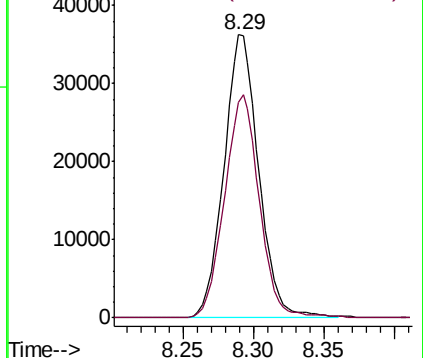


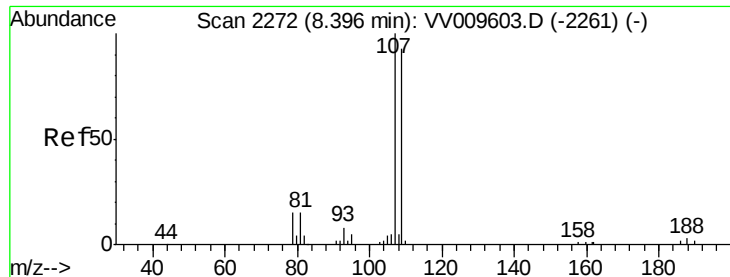
#49
Dibromochloromethane
Concen: 51.005 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

Tgt Ion: 129 Resp: 62379
Ion Ratio Lower Upper
129 100
127 76.2 53.3 99.1



Abundance Ion 129.00 (128.70 to 129.70): VV009603.D (-2228) (-)
Ion 127.00 (126.70 to 127.70): VV009603.D (-2228) (-)

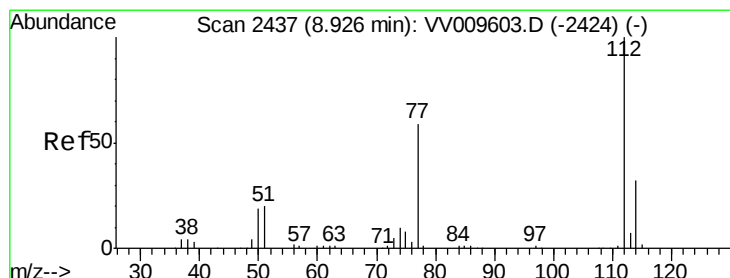
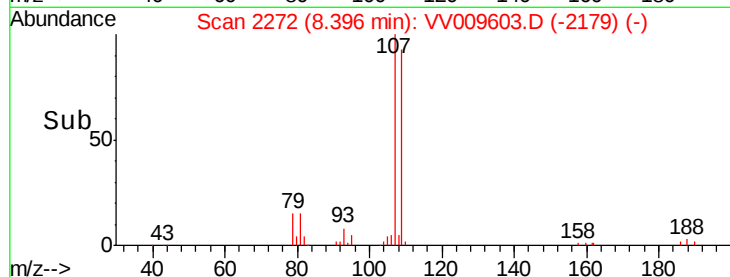
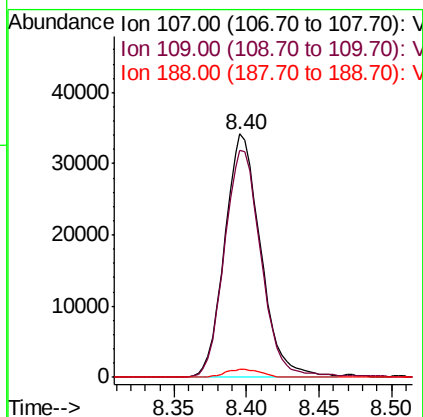
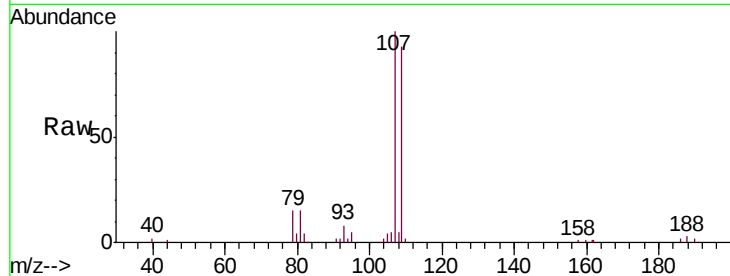




#50
1,2-Dibromoethane
Concen: 50.678 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

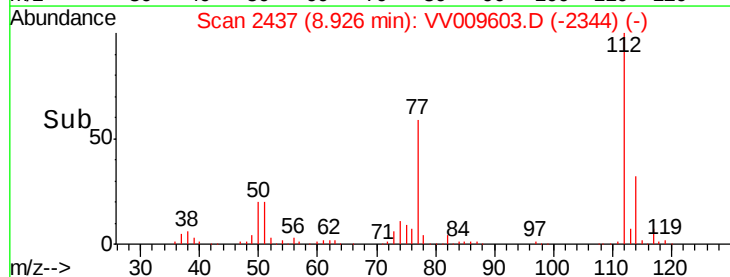
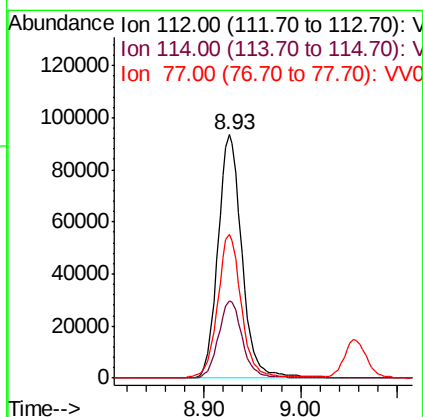
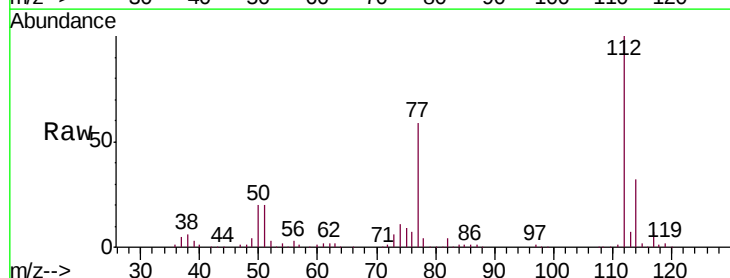
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

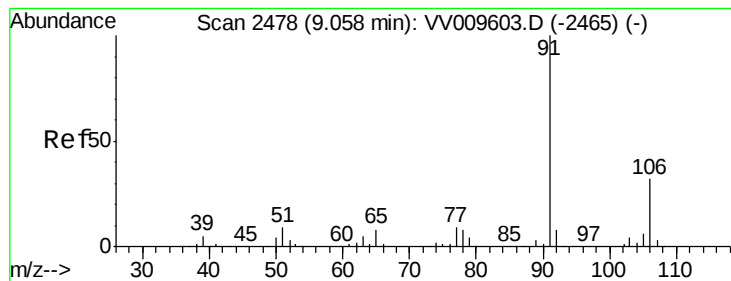
Tgt Ion:107 Resp: 58988
Ion Ratio Lower Upper
107 100
109 93.2 65.2 121.2
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 50.233 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

Tgt Ion:112 Resp: 160655
Ion Ratio Lower Upper
112 100
114 31.7 22.2 41.2
77 59.3 47.4 71.2





#52

Ethylbenzene

Concen: 50.172 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

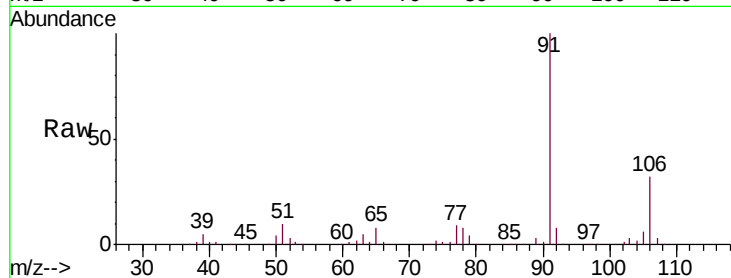
VSTD05063

Tgt Ion: 91 Resp: 270778

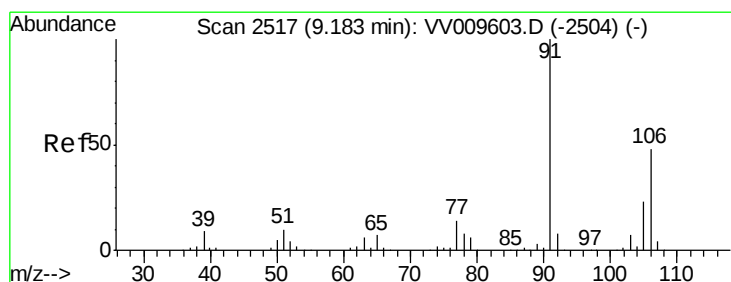
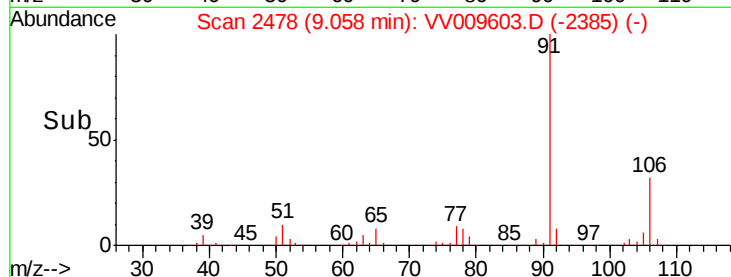
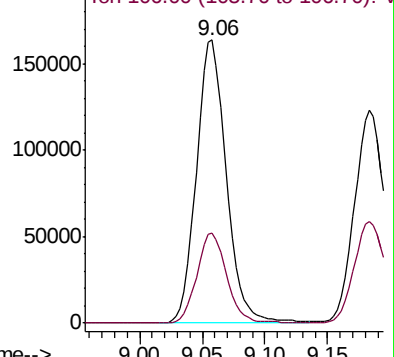
Ion Ratio Lower Upper

91 100

106 32.0 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV009603.D (-2465) (-)



#53

m,p-Xylene

Concen: 50.575 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009603.D

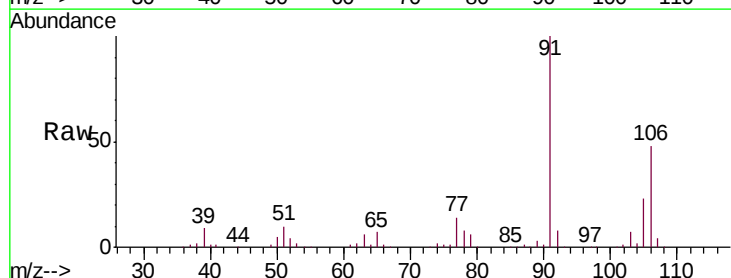
Acq: 12 Mar 2019 11:28

Tgt Ion: 106 Resp: 104569

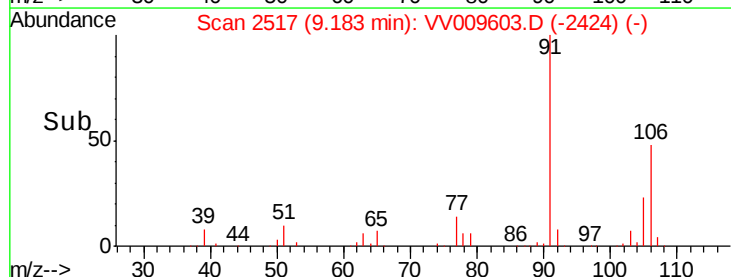
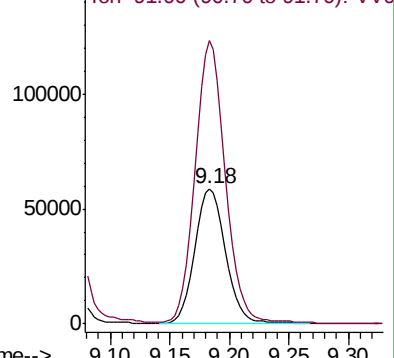
Ion Ratio Lower Upper

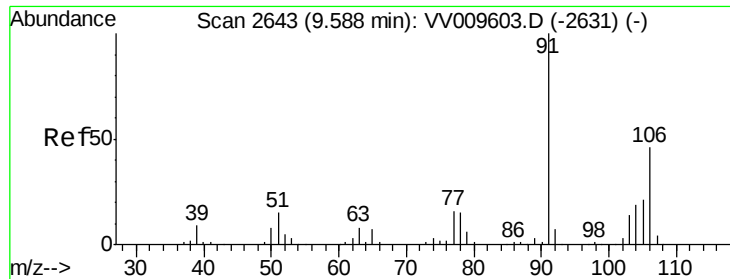
106 100

91 209.7 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): VV009603.D (-2504) (-)

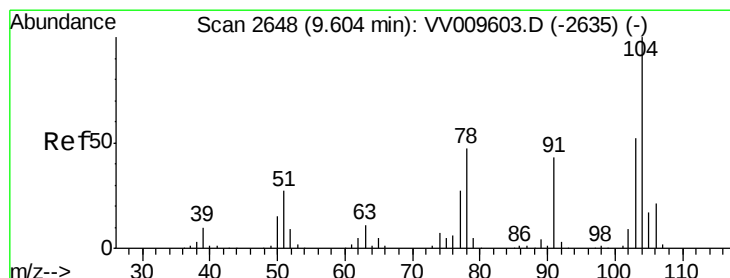
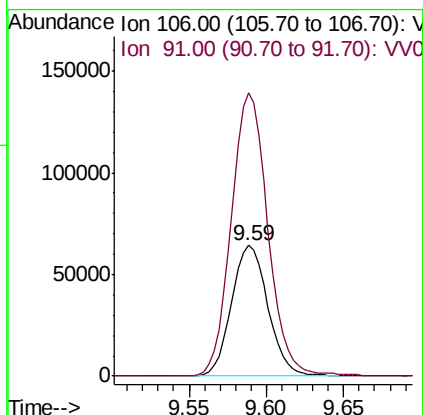
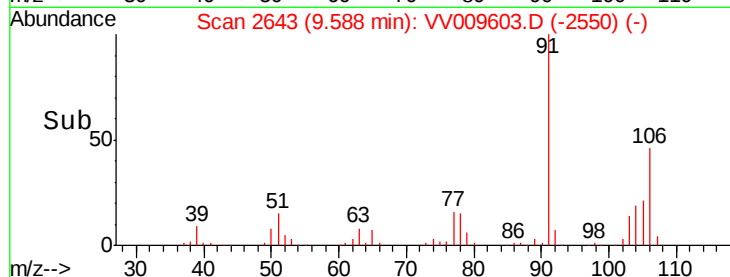
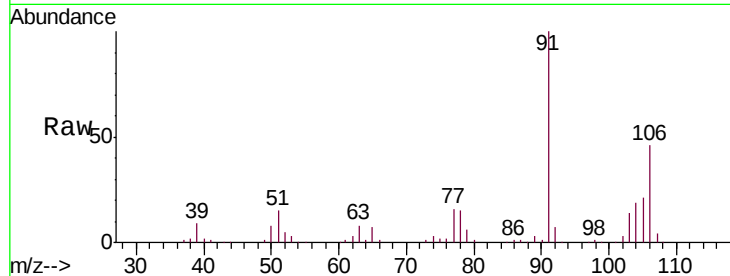




#54
o-Xylene
Concen: 50.468 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

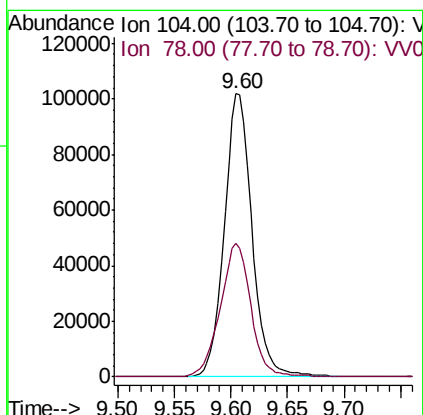
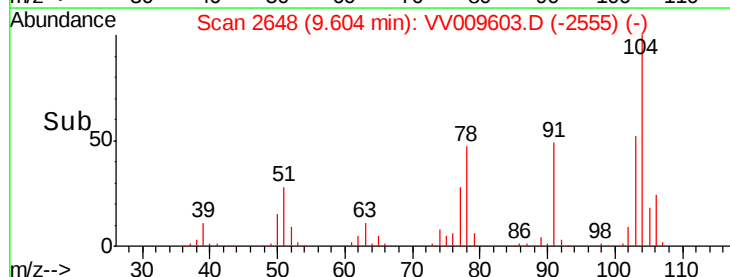
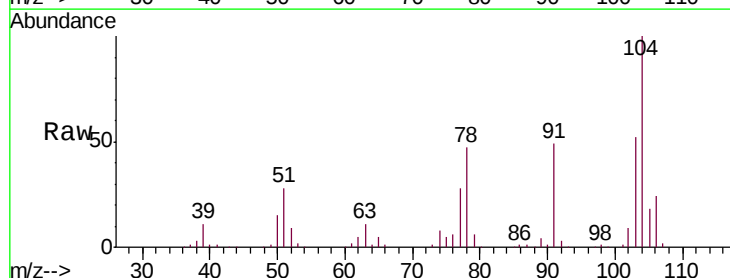
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

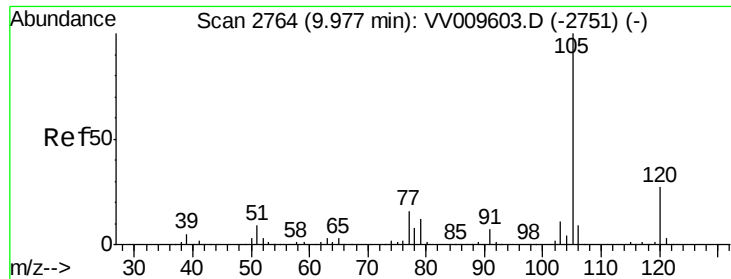
Tgt Ion:106 Resp: 105329
Ion Ratio Lower Upper
106 100
91 216.9 151.8 282.0



#55
Styrene
Concen: 51.362 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009603.D
Acq: 12 Mar 2019 11:28

Tgt Ion:104 Resp: 173676
Ion Ratio Lower Upper
104 100
78 47.4 33.2 61.6





#56

Isopropylbenzene

Concen: 50.548 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

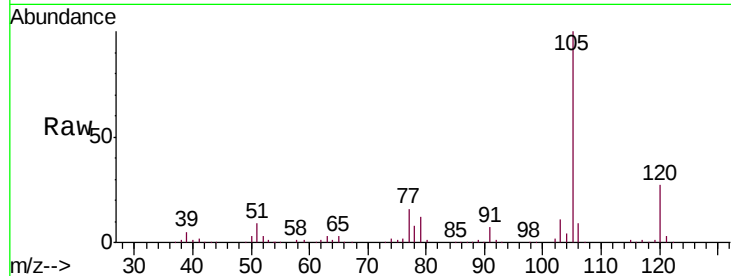
Tgt Ion: 105 Resp: 274680

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

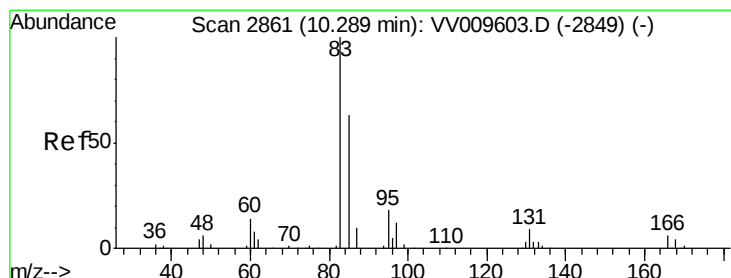
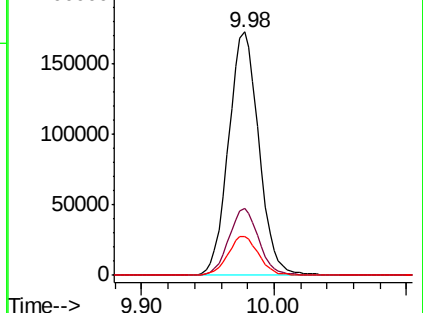
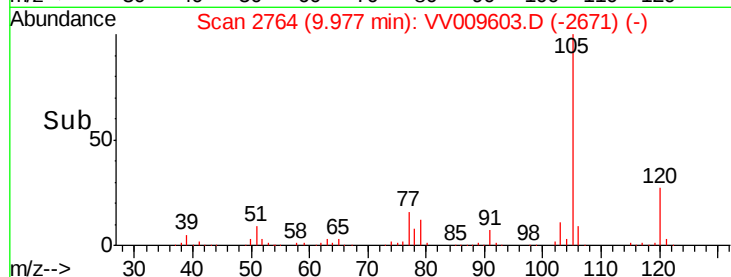
77 16.3 13.0 19.6



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: 50.626 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

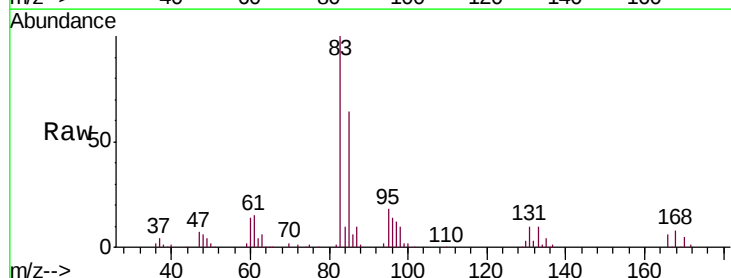
Tgt Ion: 83 Resp: 98350

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

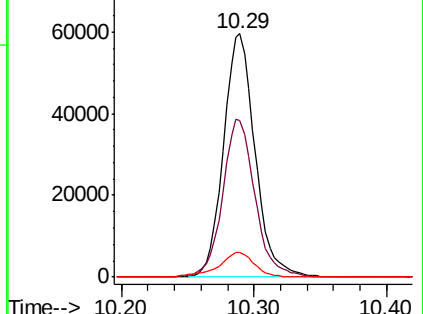
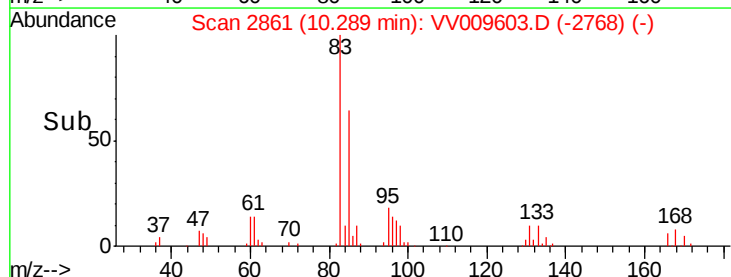
131 10.3 8.2 12.4

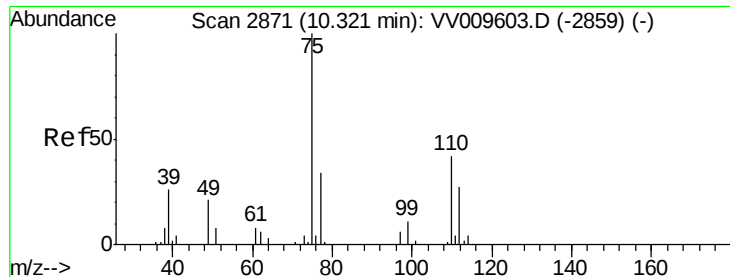


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.031 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

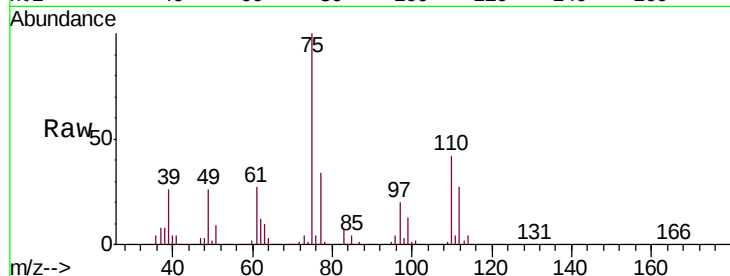
VSTD05063

Tgt Ion: 75 Resp: 72272

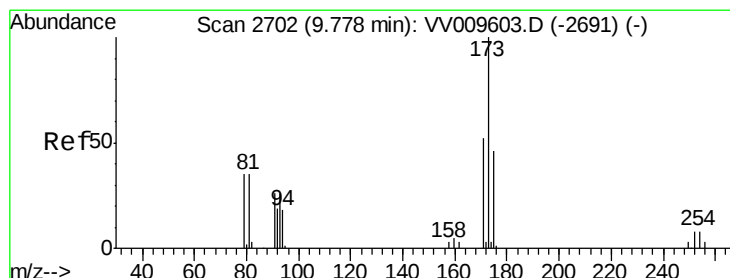
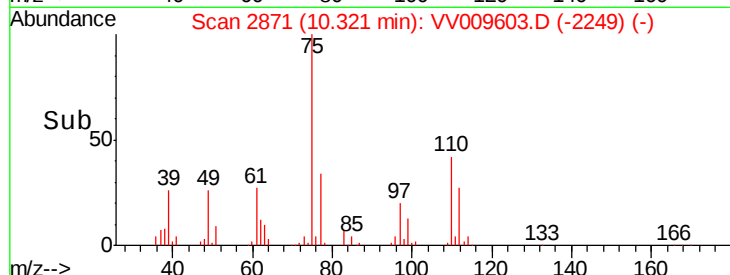
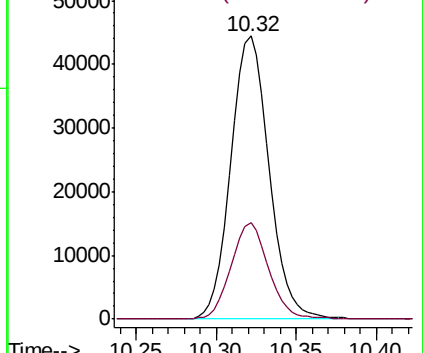
Ion Ratio Lower Upper

75 100

77 33.3 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV009603.D (-2859) (-)



#61

Bromoform

Concen: 48.802 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

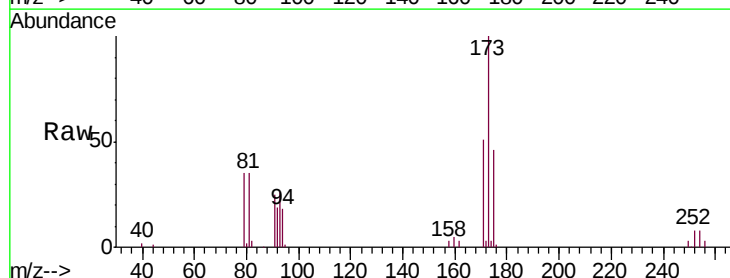
Tgt Ion: 173 Resp: 43747

Ion Ratio Lower Upper

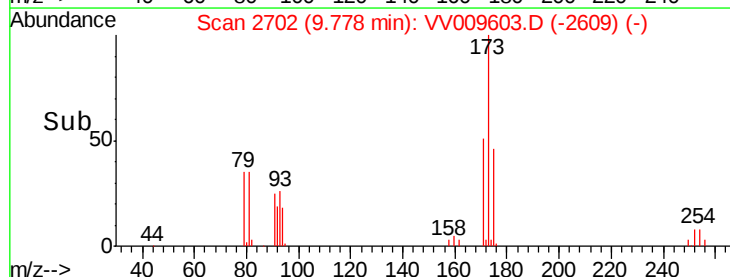
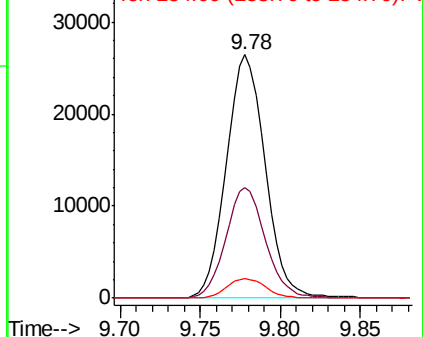
173 100

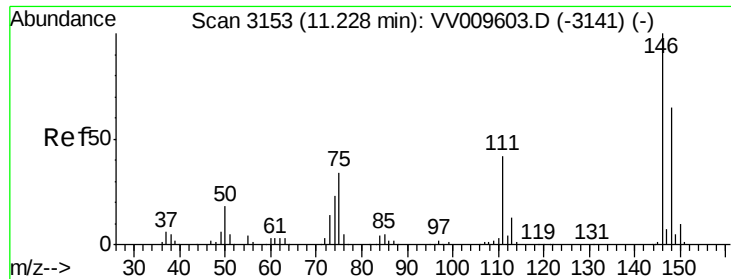
175 46.3 37.0 55.6

254 8.0 6.4 9.6



Abundance Ion 173.00 (172.70 to 173.70): VV009603.D (-2691) (-)

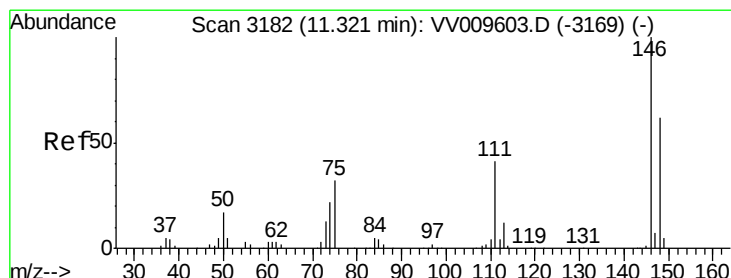
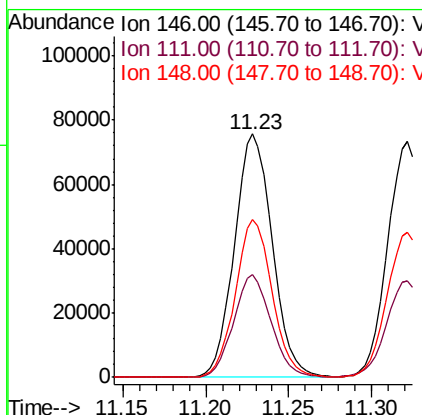
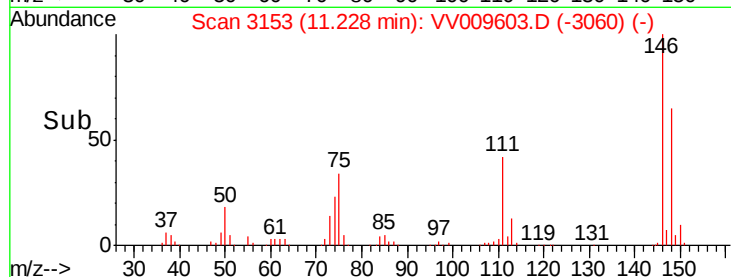
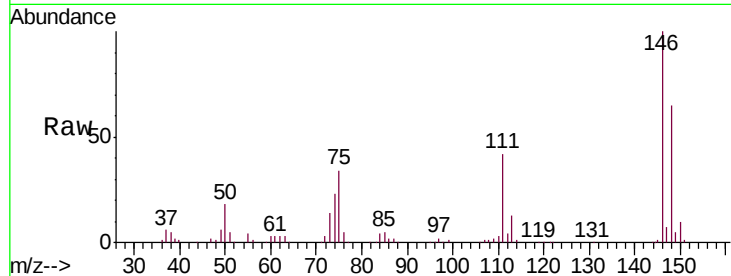




#62
 1,3-Dichlorobenzene
 Concen: 49.675 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009603.D
 Acq: 12 Mar 2019 11:28

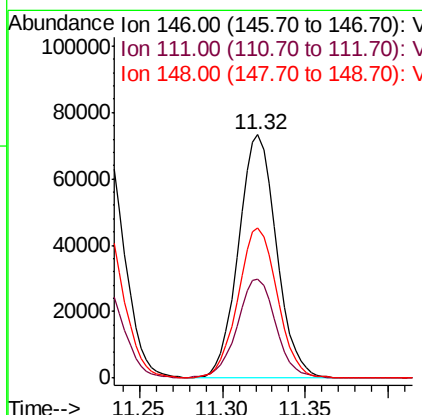
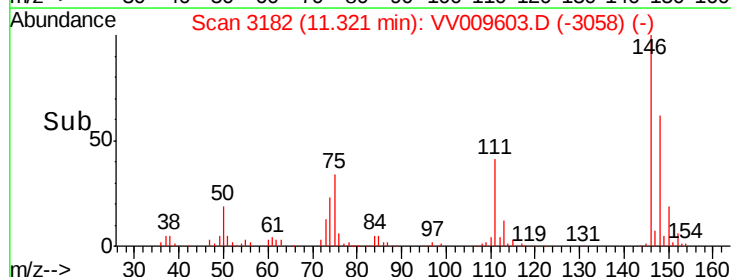
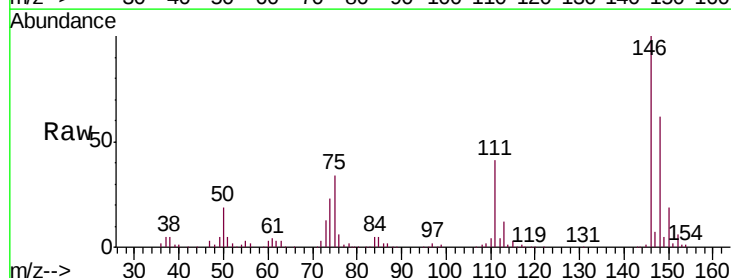
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

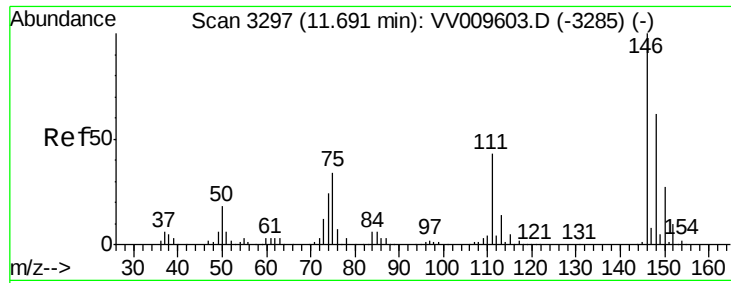
Tgt Ion:146 Resp: 120068
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.4 54.6
 148 65.0 45.5 84.5



#63
 1,4-Dichlorobenzene
 Concen: 49.108 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009603.D
 Acq: 12 Mar 2019 11:28

Tgt Ion:146 Resp: 116998
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.6 53.2
 148 61.7 43.2 80.2





#65

1,2-Dichlorobenzene

Concen: 50.118 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

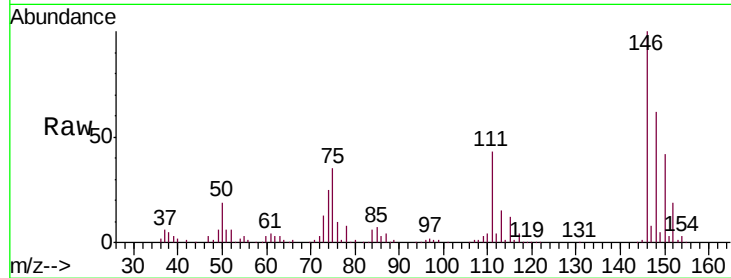
Tgt Ion:146 Resp: 124114

Ion Ratio Lower Upper

146 100

111 43.4 34.7 52.1

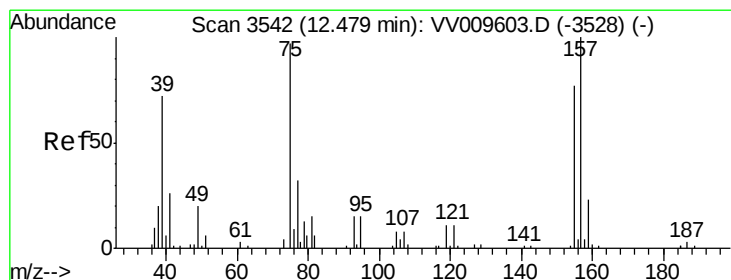
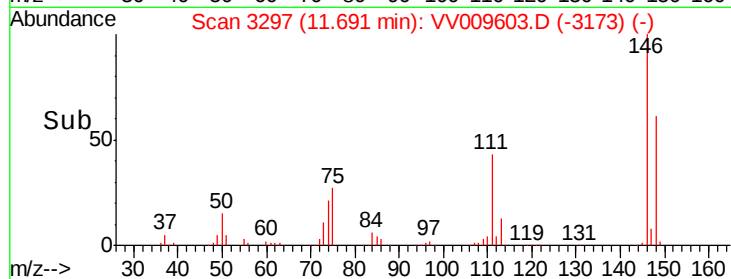
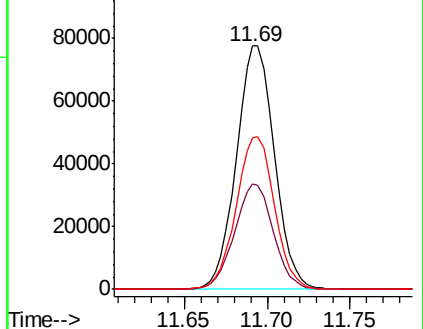
148 62.0 49.6 74.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 48.896 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

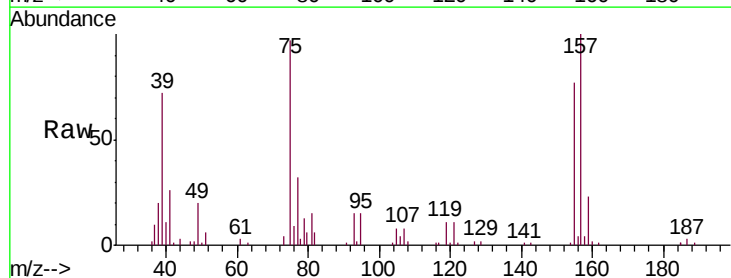
Tgt Ion: 75 Resp: 18302

Ion Ratio Lower Upper

75 100

155 79.5 63.6 95.4

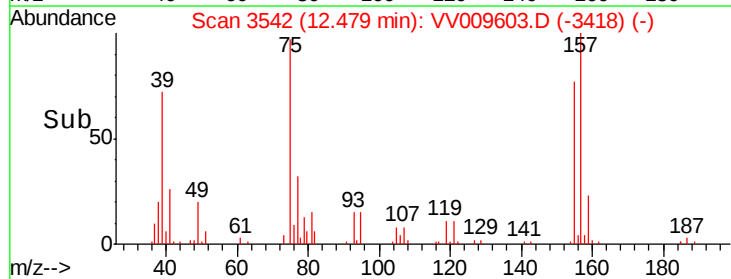
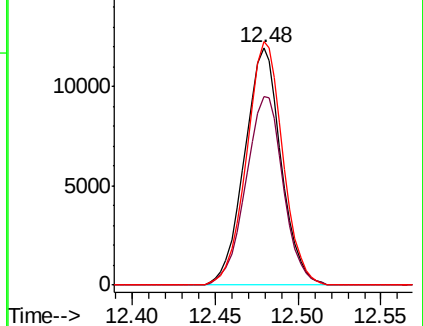
157 102.6 82.1 123.1

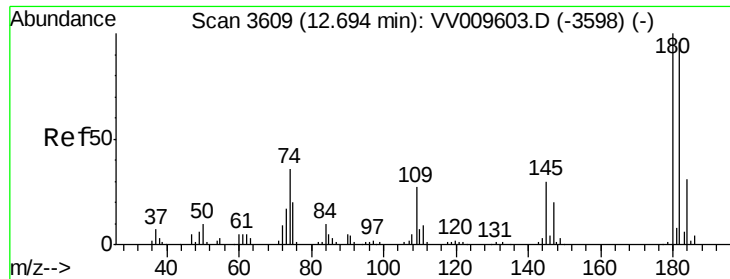


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

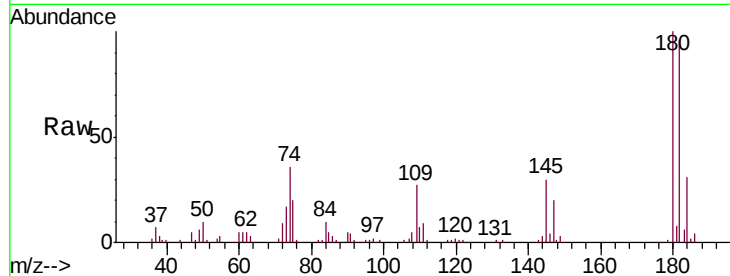




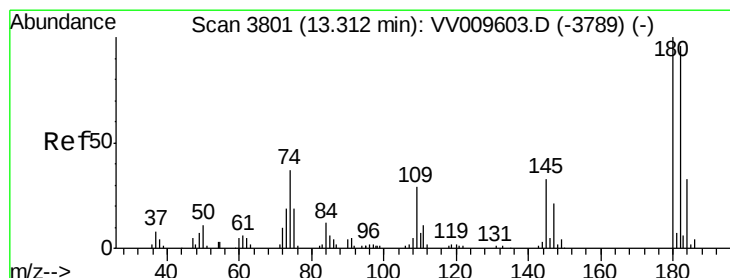
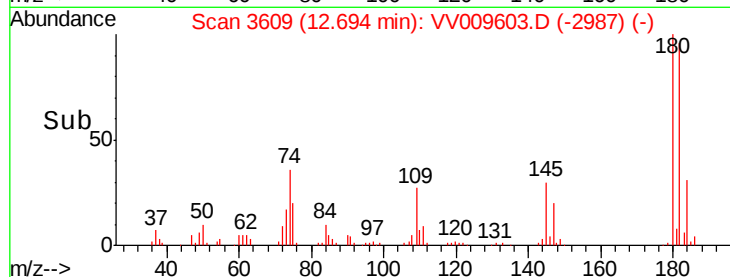
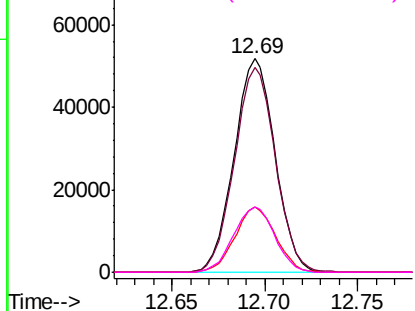
#67
 1,3,5-Trichlorobenzene
 Concen: 50.449 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009603.D
 Acq: 12 Mar 2019 11:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

Tgt Ion:180 Resp: 79038
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.0 115.4
 184 30.3 24.2 36.4
 145 30.9 24.7 37.1

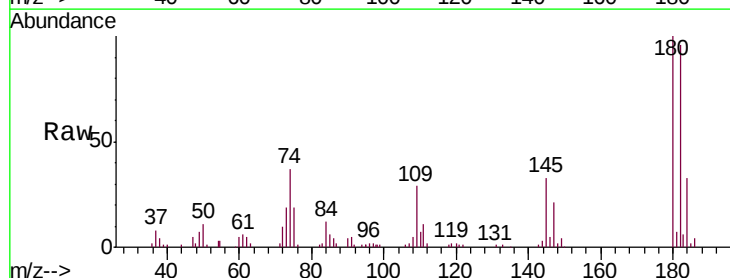


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

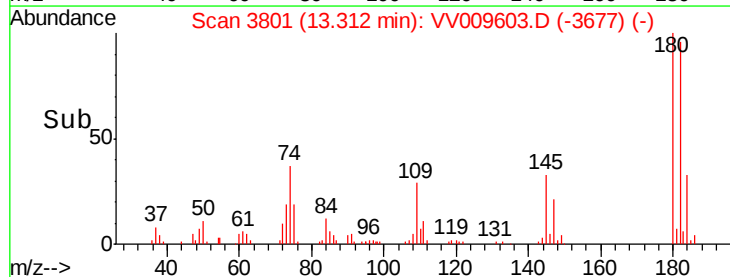
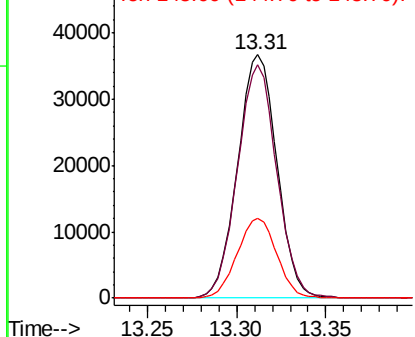


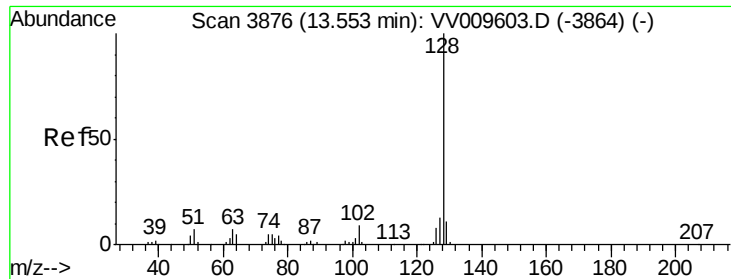
#68
 1,2,4-trichlorobenzene
 Concen: 52.330 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009603.D
 Acq: 12 Mar 2019 11:28

Tgt Ion:180 Resp: 56746
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 114.8
 145 32.8 26.2 39.4



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: 52.721 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

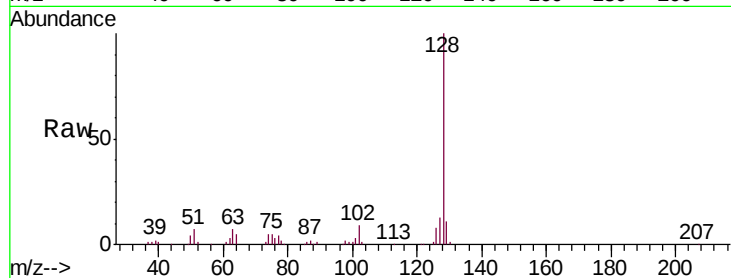
Tgt Ion:128 Resp: 160969

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

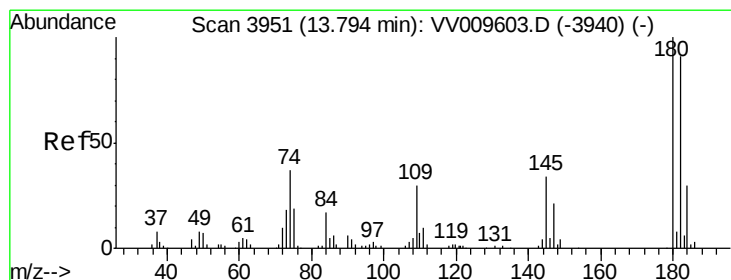
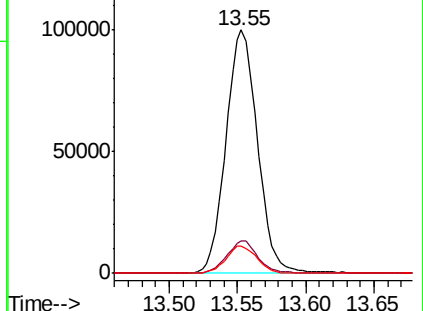
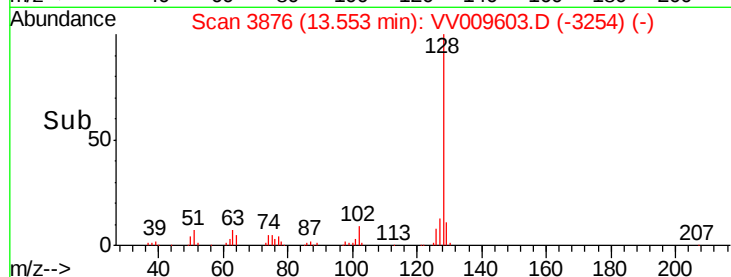
129 11.0 8.8 13.2



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: 54.604 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009603.D

Acq: 12 Mar 2019 11:28

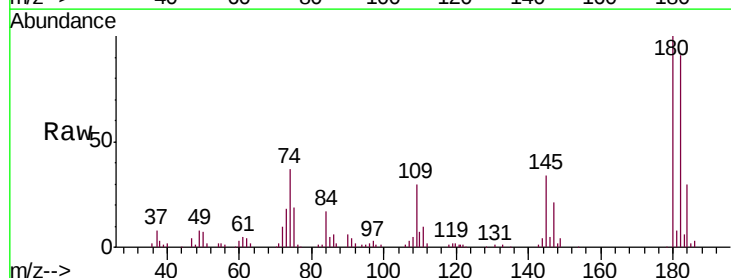
Tgt Ion:180 Resp: 62376

Ion Ratio Lower Upper

180 100

182 91.7 73.4 110.0

145 33.7 27.0 40.4



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

