

Data File : VV015019.D
Acq On : 18 Mar 2020 15:14
Operator : SY/MD
Sample : VSTD20062
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Quant Time: Mar 19 02:06:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 02:01:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	354001	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	359364	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	204072	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	318497	192.56	ug/L	0.00
7) Chloroethane-d5	1.58	69	237001	182.73	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	534112	188.93	ug/L	0.00
21) 2-Butanone-d5	3.92	46	462559	405.69	ug/L	0.00
24) Chloroform-d	4.38	84	824903	194.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	507528	190.39	ug/L	0.00
32) Benzene-d6	5.08	84	1613379	189.19	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	472283	189.28	ug/L	0.00
41) Toluene-d8	7.34	98	1633782	190.32	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	278829	209.05	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	478674	416.33	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	717097	191.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	762003	186.00	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	618300	204.310	ug/L	99
3) Chloromethane	1.25	50	412388	200.458	ug/L	98
5) Vinyl chloride	1.32	62	412106	207.139	ug/L	98
6) Bromomethane	1.53	94	274539	212.658	ug/L	96
8) Chloroethane	1.60	64	209346	195.285	ug/L	99
9) Trichlorofluoromethane	1.76	101	651326	205.772	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	307926	202.268	ug/L	99
12) 1,1-Dichloroethene	2.13	96	302308	209.846	ug/L	97
13) Acetone	2.20	43	234833	255.164	ug/L	74
14) Carbon disulfide	2.31	76	1097619	215.014	ug/L	99
15) Methyl Acetate	2.45	43	348461	219.564	ug/L	95
16) Methylene chloride	2.52	84	460052	201.522	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	446981	206.710	ug/L	99
18) Methyl tert-butyl Ether	2.79	73	1429378	214.727	ug/L	99
19) 1,1-Dichloroethane	3.21	63	765448	206.015	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	510404	211.210	ug/L	98
22) 2-Butanone	4.00	43	586125	461.958	ug/L	96
23) Bromochloromethane	4.28	128	275152	209.466	ug/L	98
25) Chloroform	4.40	83	844133	203.143	ug/L	99
27) 1,2-Dichloroethane	5.16	62	639973	206.241	ug/L	99
29) Cyclohexane	4.70	56	676989	209.824	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	793325	204.636	ug/L	100
31) Carbon tetrachloride	4.86	117	727232	208.739	ug/L	99
33) Benzene	5.13	78	1796849	204.258	ug/L	100
34) Trichloroethene	5.94	95	495690	207.998	ug/L	98
35) Methylcyclohexane	6.16	83	788554	208.523	ug/L	99
37) 1,2-Dichloropropane	6.20	63	433145	203.607	ug/L	100
38) Bromodichloromethane	6.53	83	659765	212.653	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	811689	227.860	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	1220258	414.081	ug/L	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2071052	208.255	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	735326	227.890	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	478794	206.452	ug/L	97
46) Tetrachloroethene	8.00	164	478340	211.391	ug/L	99
48) 2-Hexanone	8.17	43	947336	430.358	ug/L	97
49) Dibromochloromethane	8.27	129	595154	220.807	ug/L	99
50) 1,2-Dibromoethane	8.37	107	539049	208.262	ug/L	100
51) Chlorobenzene	8.90	112	1444284	206.559	ug/L	99
52) Ethylbenzene	9.03	91	2407031	213.076	ug/L	99
53) m,p-Xylene	9.16	106	956802	216.346	ug/L	99
54) o-xylene	9.57	106	944903	215.752	ug/L	100
55) Styrene	9.58	104	1615783	219.671	ug/L	99
56) Isopropylbenzene	9.95	105	2488887	218.193	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	776964	205.972	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	616665	206.245	ug/L	99
61) Bromoform	9.75	173	467571	231.727	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	1278959	208.211	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	1278019	199.880	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1272806	195.083	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	199291	218.566	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	1050098	216.066	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	976643	218.210	ug/L	100
69) Naphthalene	13.52	128	1386973	237.347	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	962499	218.893	ug/L	98

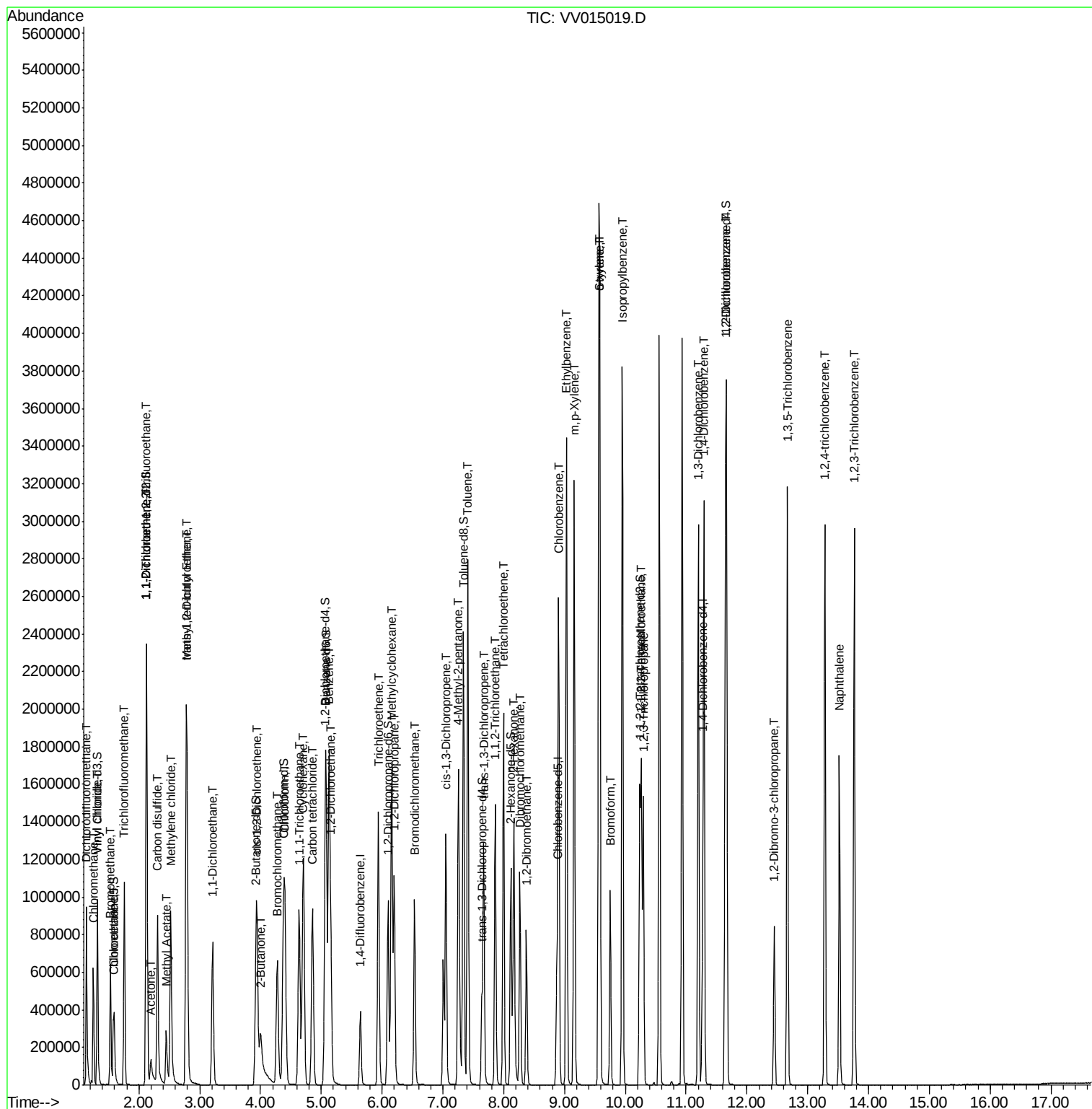
(#) = qualifier out of range (m) = manual integration (+) = signals summed

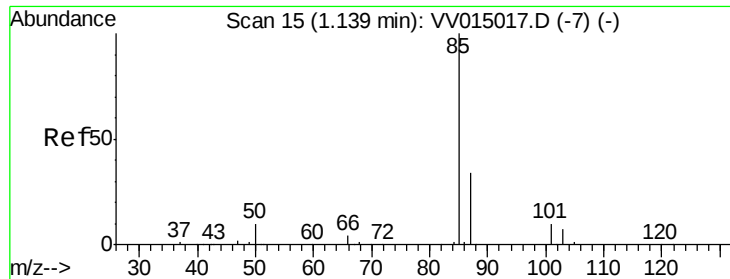
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#2

Dichlorodifluoromethane

Concen: 204.310 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

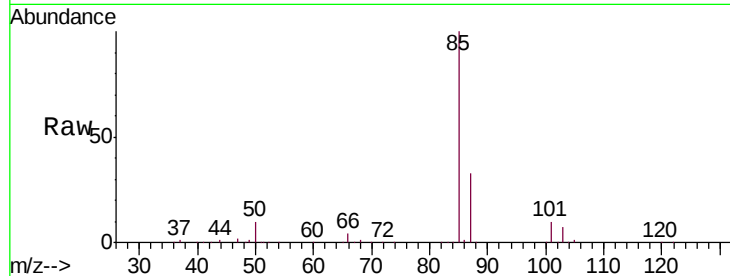
VSTD20062

Tgt Ion: 85 Resp: 618300

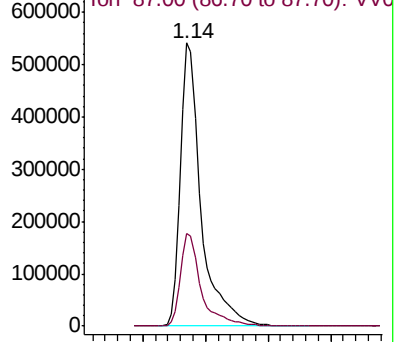
Ion Ratio Lower Upper

85 100

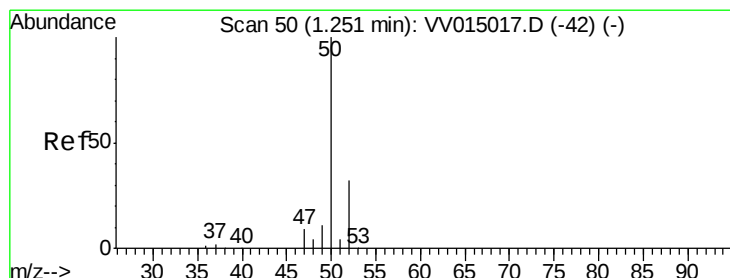
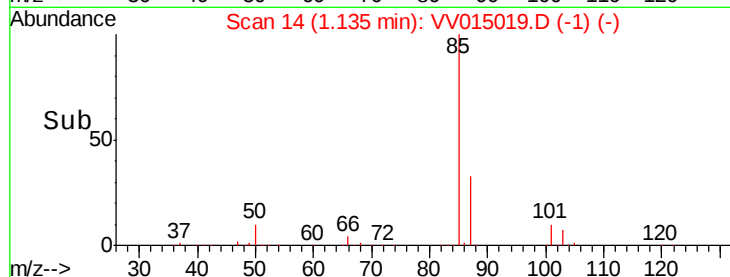
87 32.7 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV015019.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 200.458 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV015019.D

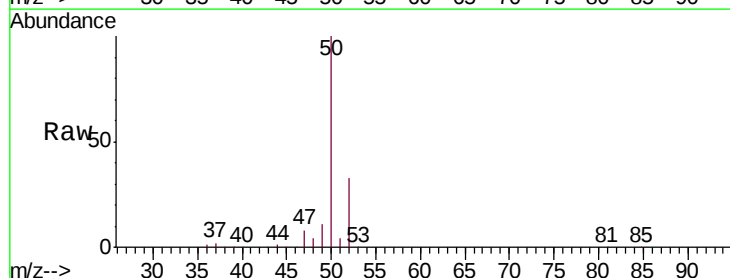
Acq: 18 Mar 2020 15:14

Tgt Ion: 50 Resp: 412388

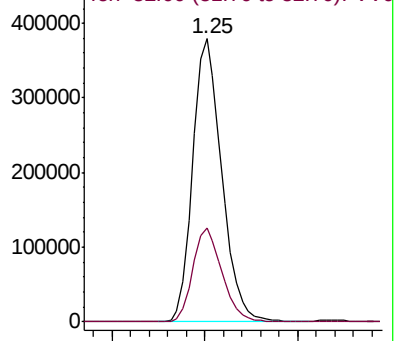
Ion Ratio Lower Upper

50 100

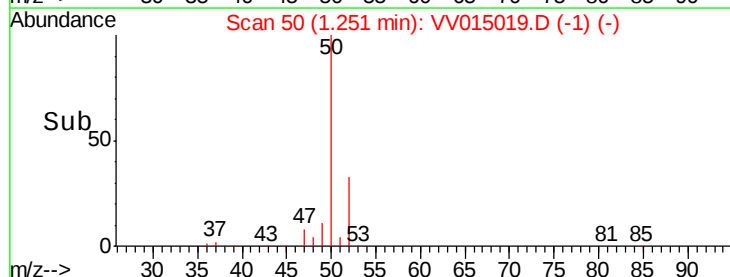
52 33.0 22.3 41.5

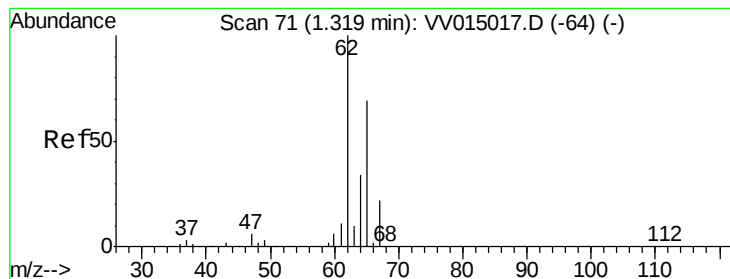


Abundance Ion 50.00 (49.70 to 50.70): VV015019.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 207.139 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

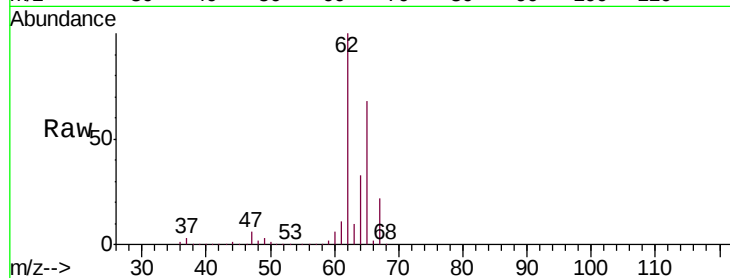
VSTD20062

Tgt Ion: 62 Resp: 412106

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

400000

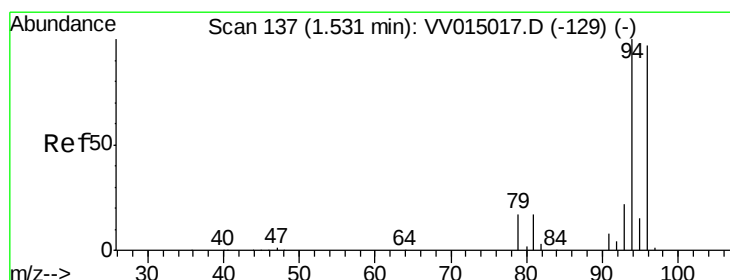
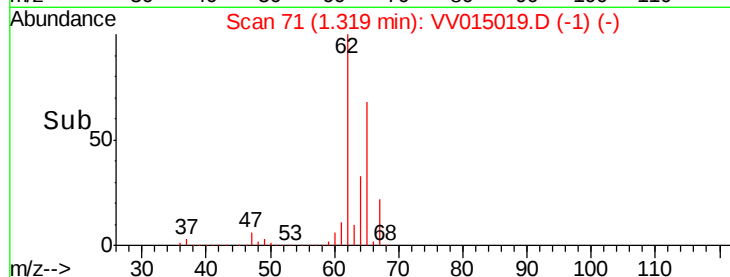
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 212.658 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015019.D

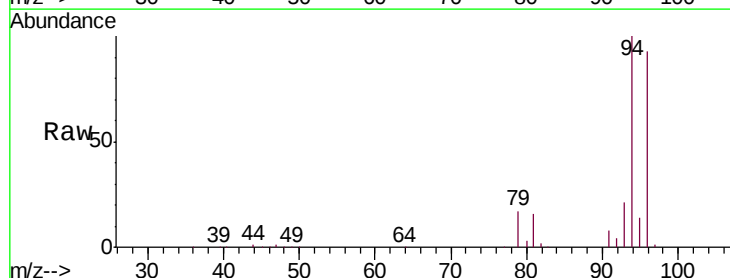
Acq: 18 Mar 2020 15:14

Tgt Ion: 94 Resp: 274539

Ion Ratio Lower Upper

94 100

96 92.9 67.8 126.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

250000

200000

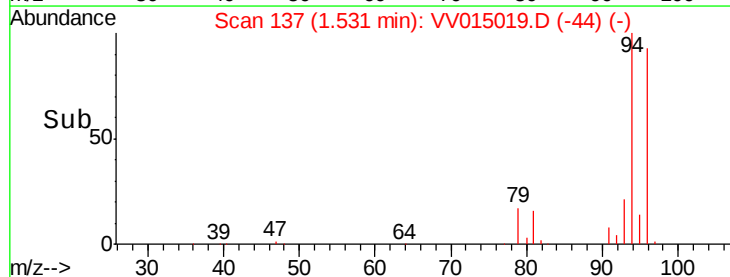
150000

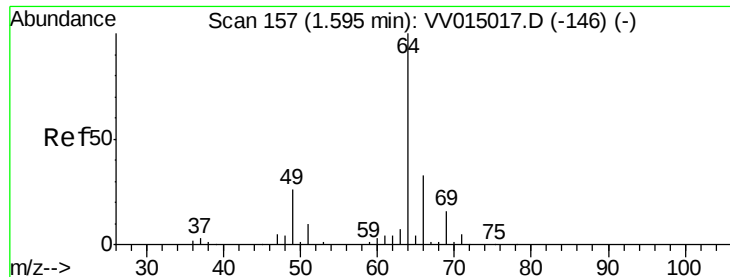
100000

50000

0

Time-->





#8

Chloroethane

Concen: 195.285 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

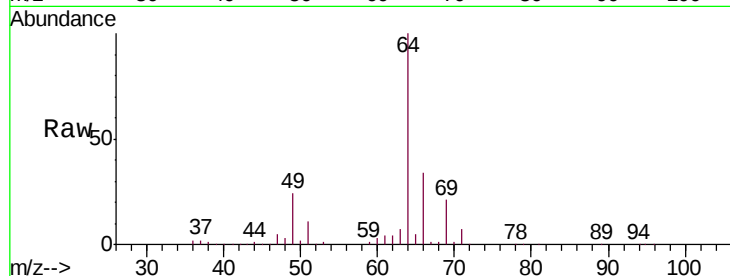
VSTD20062

Tgt Ion: 64 Resp: 209346

Ion Ratio Lower Upper

64 100

66 33.6 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV015017.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV015017.D (-146) (-)

1.60

150000

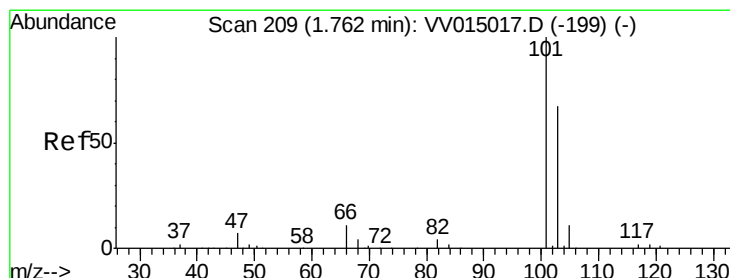
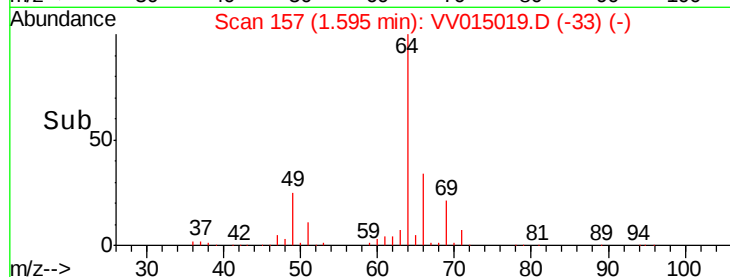
100000

50000

0

Time-->

1.55 1.60 1.65 1.70



#9

Trichlorofluoromethane

Concen: 205.772 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015019.D

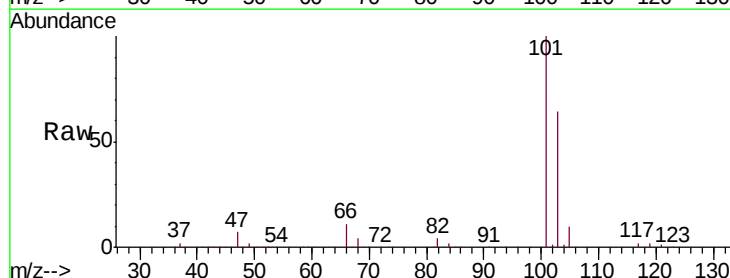
Acq: 18 Mar 2020 15:14

Tgt Ion: 101 Resp: 651326

Ion Ratio Lower Upper

101 100

103 64.9 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): VV015017.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV015017.D (-199) (-)

1.76

500000

400000

300000

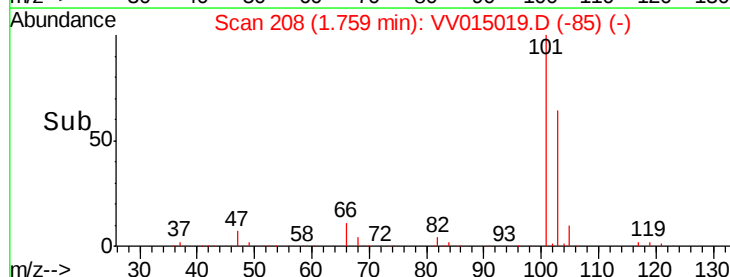
200000

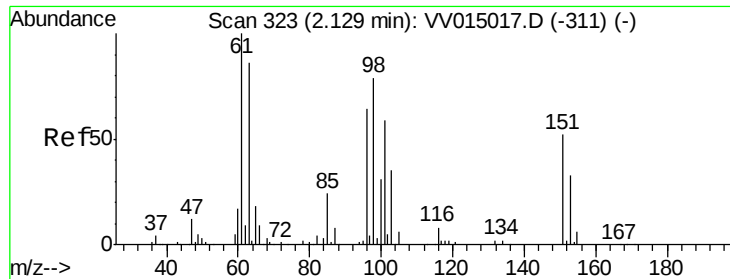
100000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 202.268 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

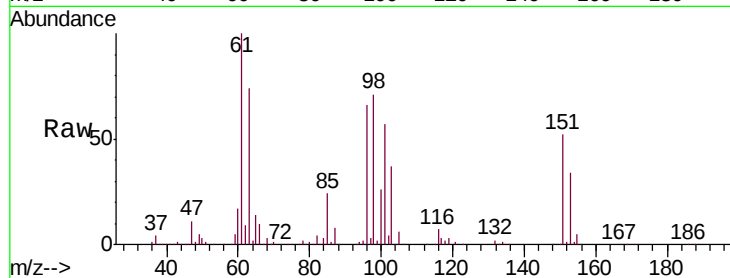
Tgt Ion: 101 Resp: 307926

Ion Ratio Lower Upper

101 100

85 42.0 33.2 49.8

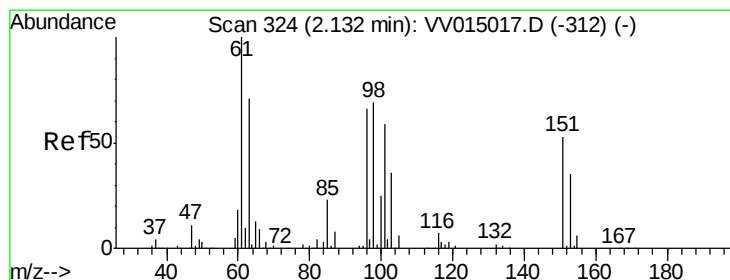
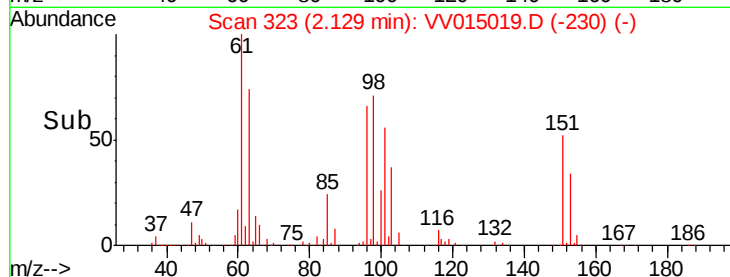
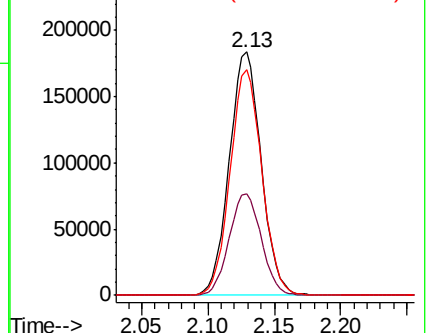
151 91.9 72.6 109.0



Abundance Ion 101.00 (100.70 to 101.70): VV015019.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV015019.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015019.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 209.846 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

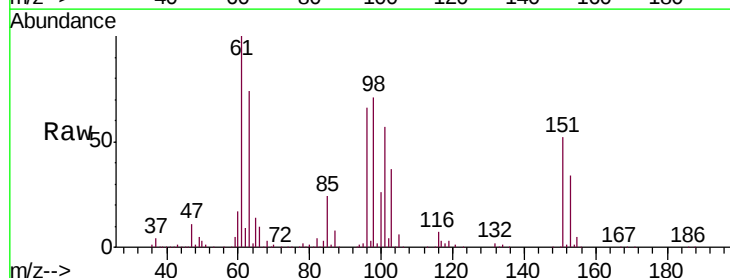
Tgt Ion: 96 Resp: 302308

Ion Ratio Lower Upper

96 100

61 152.6 105.6 196.2

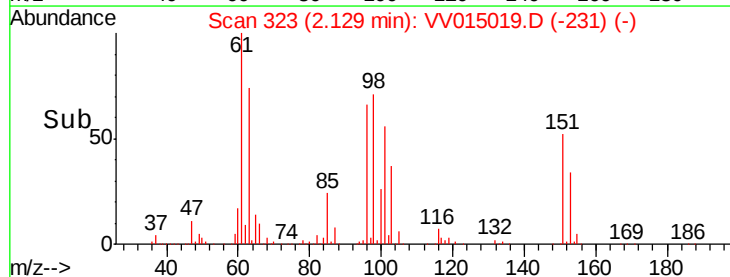
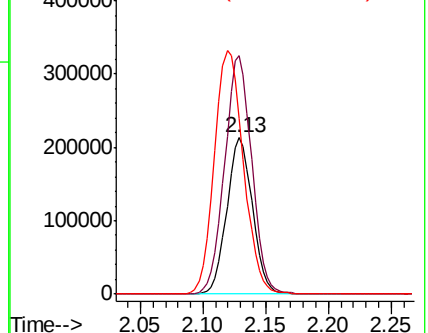
63 112.9 75.9 140.9

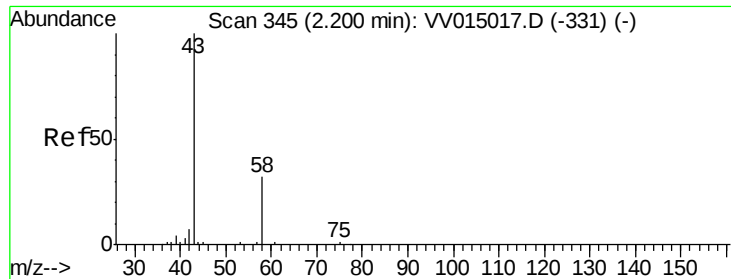


Abundance Ion 96.00 (95.70 to 96.70): VV015019.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV015019.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV015019.D (-231) (-)





#13

Acetone

Concen: 255.164 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

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ClientSampleId :

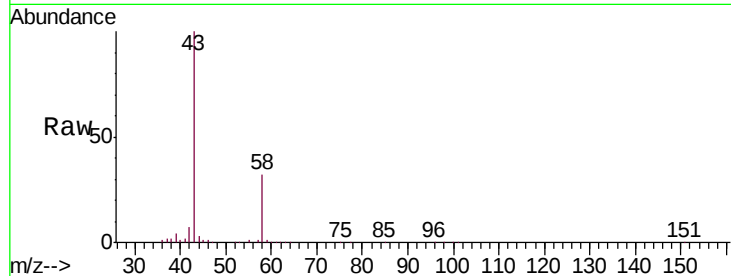
VSTD20062

Tgt Ion: 43 Resp: 234833

Ion Ratio Lower Upper

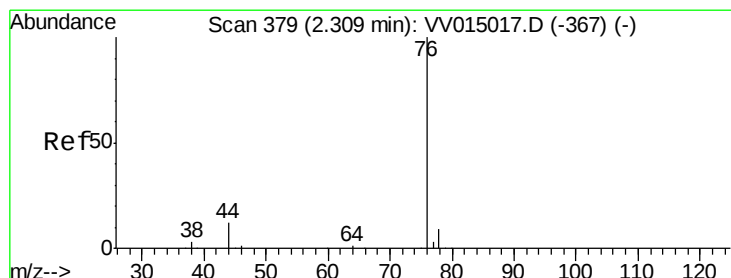
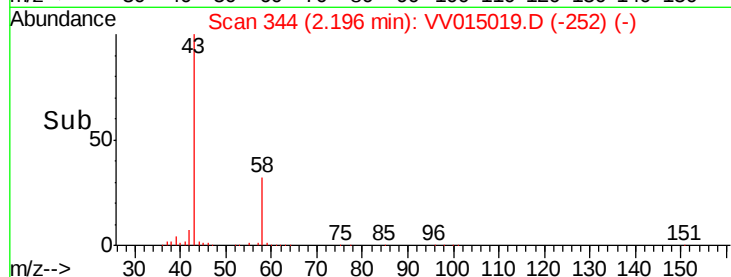
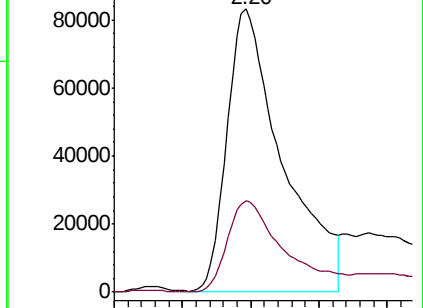
43 100

58 34.0 0.0 43.2



Abundance Ion 43.00 (42.70 to 43.70): VV015017.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV015017.D (-331) (-)



#14

Carbon disulfide

Concen: 215.014 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015019.D

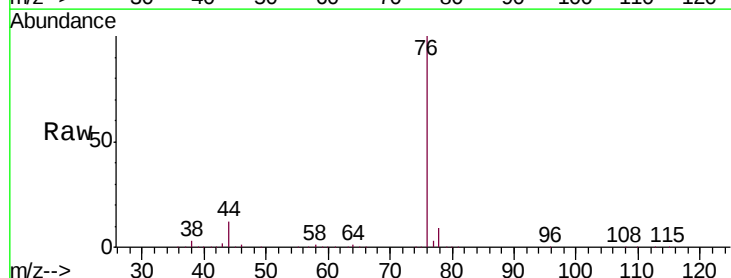
Acq: 18 Mar 2020 15:14

Tgt Ion: 76 Resp: 1097619

Ion Ratio Lower Upper

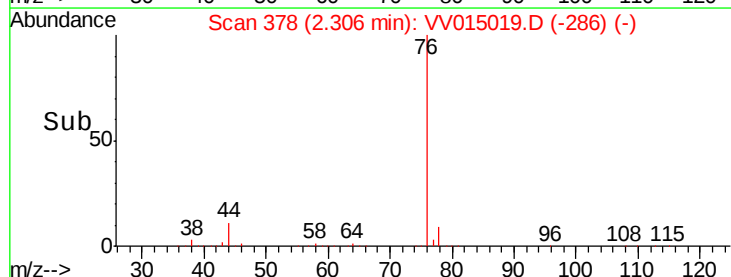
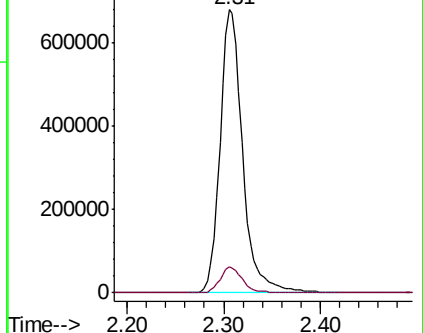
76 100

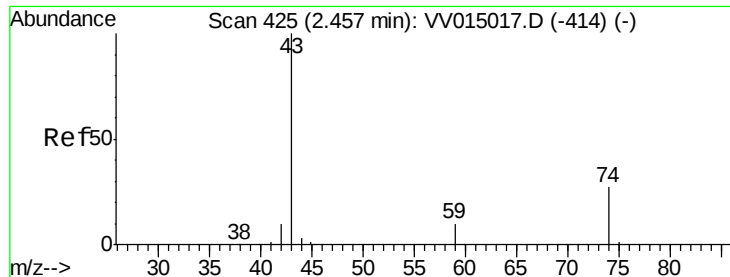
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV015017.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV015017.D (-367) (-)

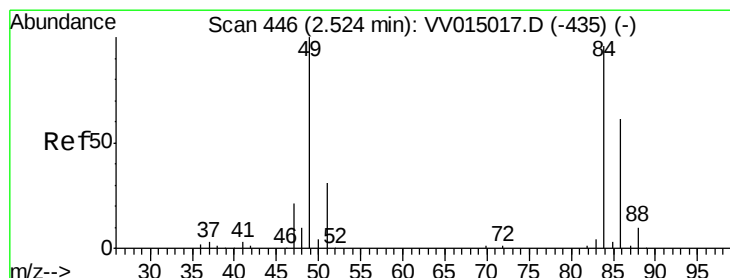
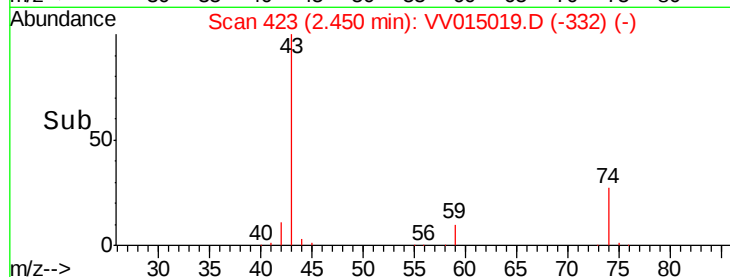
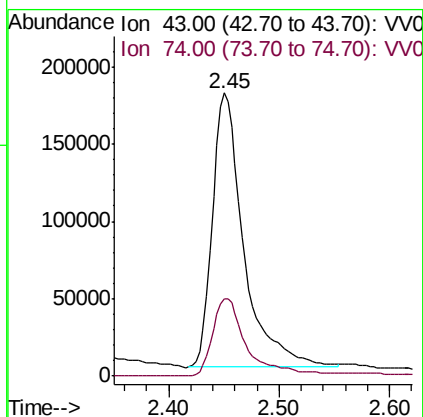
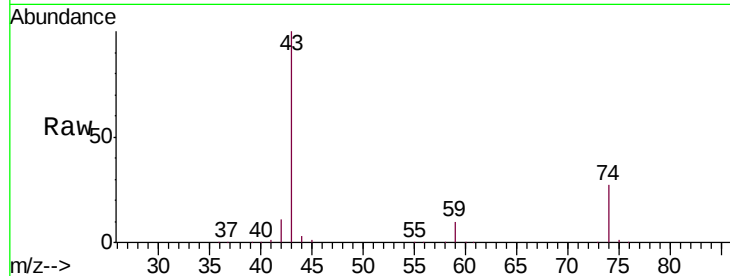




#15
Methyl Acetate
Concen: 219.564 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.01 min
Lab File: VV015019.D
Acq: 18 Mar 2020 15:14

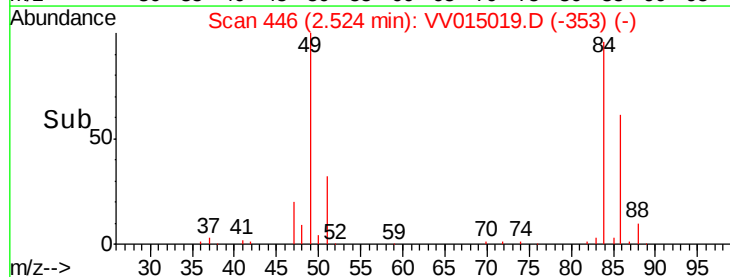
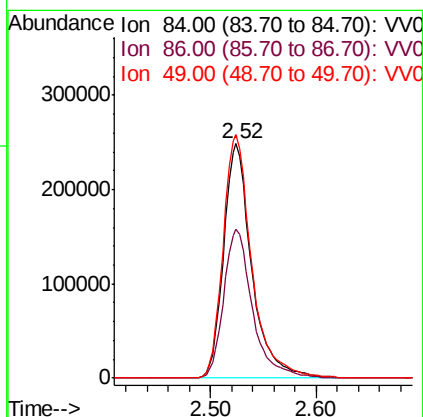
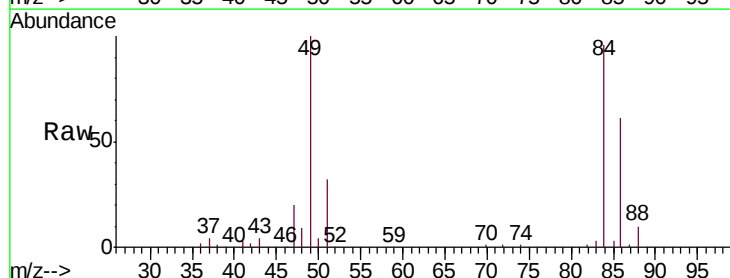
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

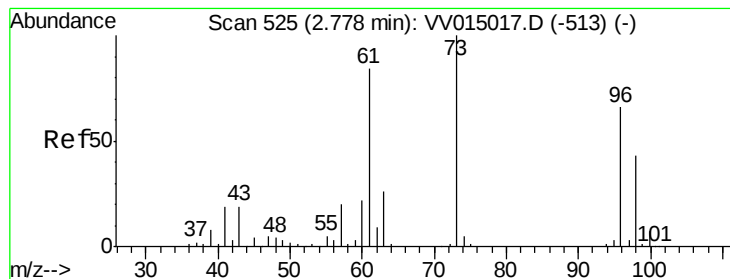
Tgt Ion: 43 Resp: 348461
Ion Ratio Lower Upper
43 100
74 30.3 22.2 33.4



#16
Methylene chloride
Concen: 201.522 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015019.D
Acq: 18 Mar 2020 15:14

Tgt Ion: 84 Resp: 460052
Ion Ratio Lower Upper
84 100
86 63.7 44.5 82.7
49 104.0 72.9 135.5





#17

trans-1,2-Dichloroethene

Concen: 206.710 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

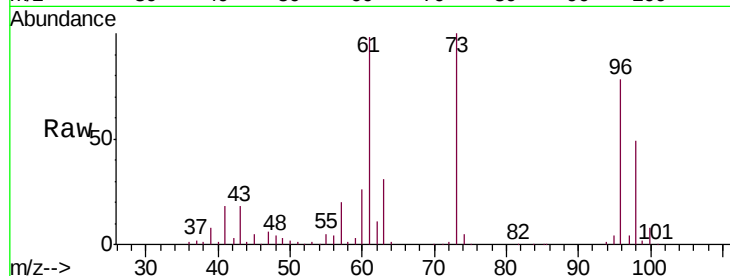
Tgt Ion: 96 Resp: 446981

Ion Ratio Lower Upper

96 100

61 126.6 89.0 165.4

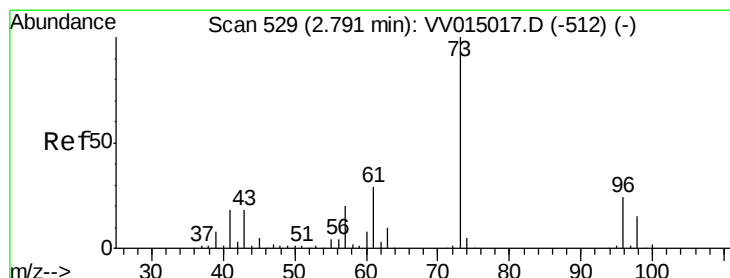
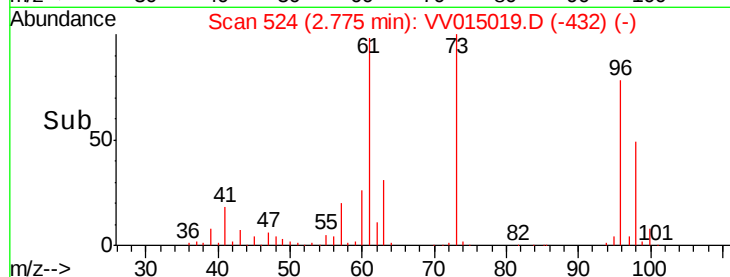
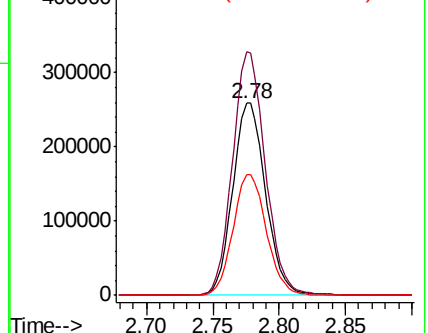
98 62.6 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VV015017.D (-513) (-)

Ion 61.00 (60.70 to 61.70): VV015017.D (-513) (-)

Ion 98.00 (97.70 to 98.70): VV015017.D (-513) (-)



#18

Methyl tert-butyl Ether

Concen: 214.727 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

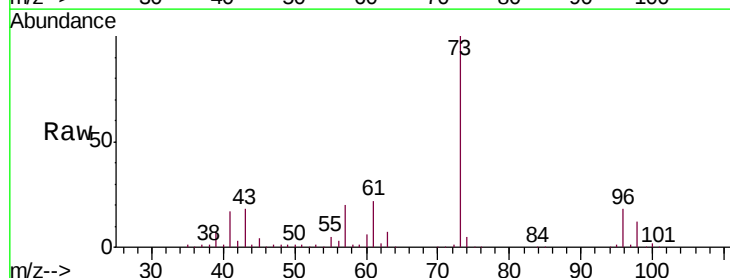
Tgt Ion: 73 Resp: 1429378

Ion Ratio Lower Upper

73 100

43 17.4 14.4 21.6

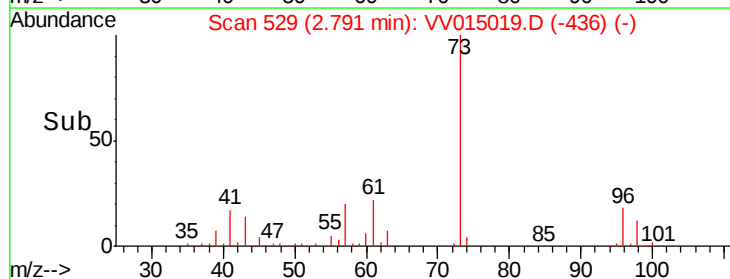
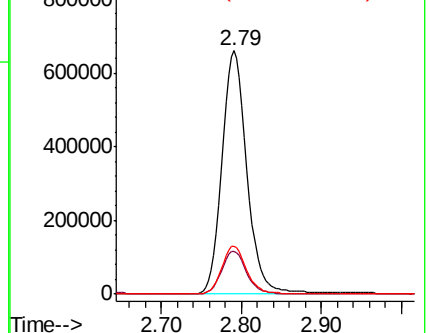
57 19.7 16.0 24.0

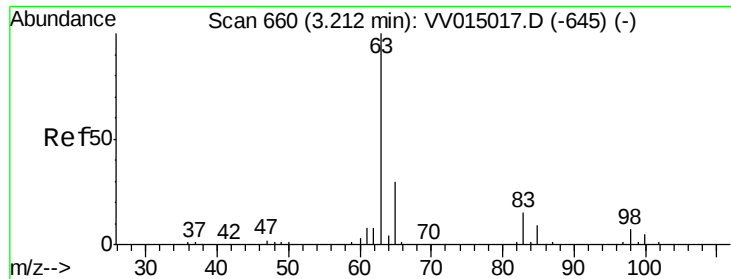


Abundance Ion 73.00 (72.70 to 73.70): VV015017.D (-512) (-)

Ion 43.00 (42.70 to 43.70): VV015017.D (-512) (-)

Ion 57.00 (56.70 to 57.70): VV015017.D (-512) (-)

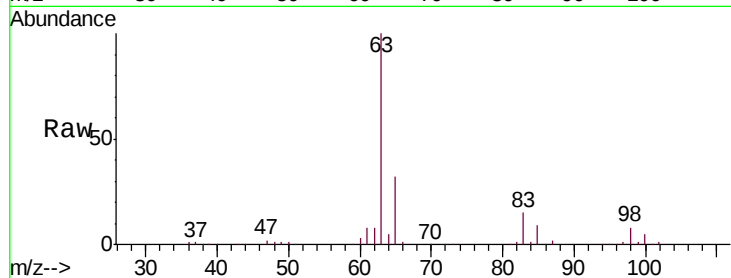




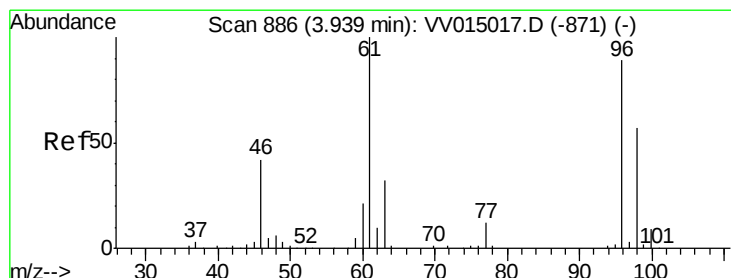
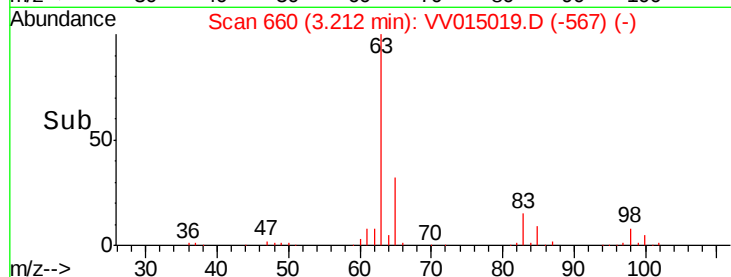
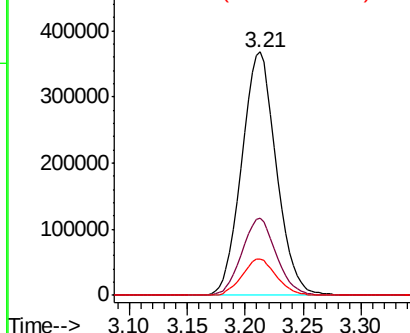
#19
 1,1-Dichloroethane
 Concen: 206.015 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tgt Ion: 63 Resp: 765448
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.0 39.0
 83 14.9 10.3 19.1

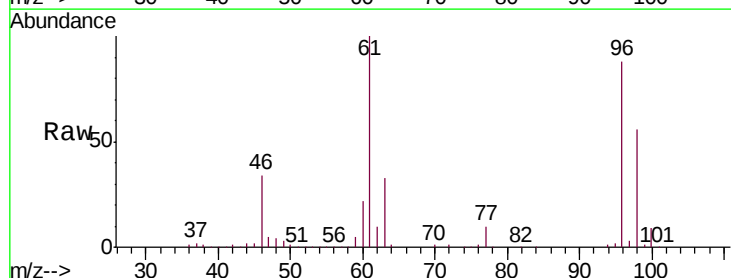


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

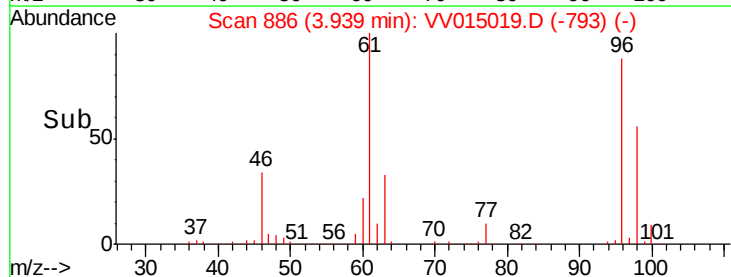
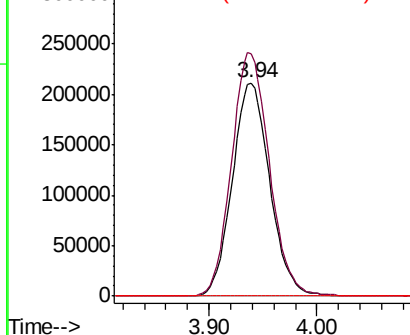


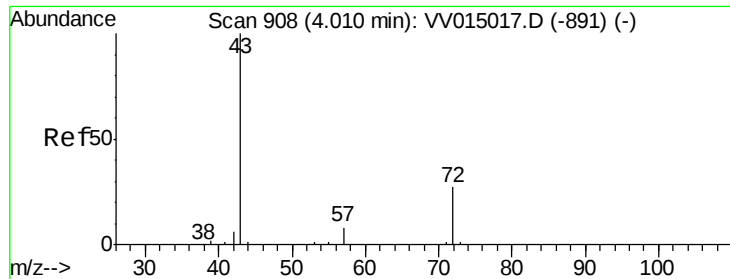
#20
 cis-1,2-Dichloroethene
 Concen: 211.210 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

Tgt Ion: 96 Resp: 510404
 Ion Ratio Lower Upper
 96 100
 61 113.5 78.3 145.3
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 461.958 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.01 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

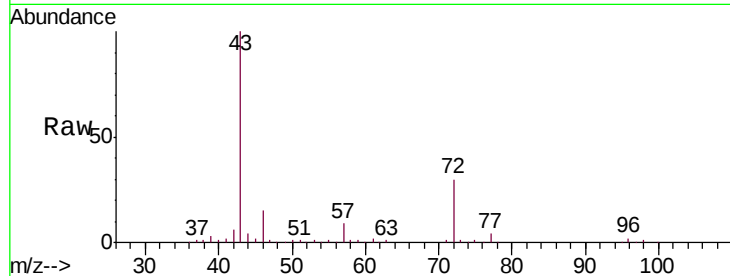
VSTD20062

Tgt Ion: 43 Resp: 586125

Ion Ratio Lower Upper

43 100

72 22.8 12.4 37.2



Abundance Ion 43.00 (42.70 to 43.70): VV015017.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV015017.D (-891) (-)

4.00

150000

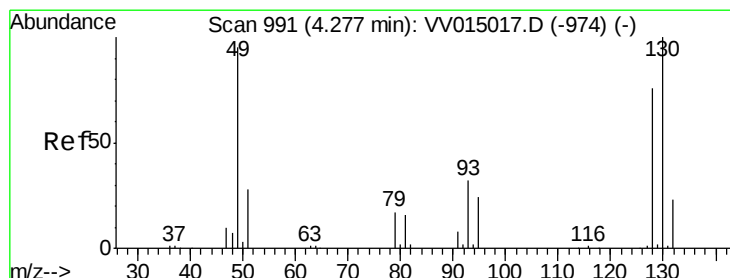
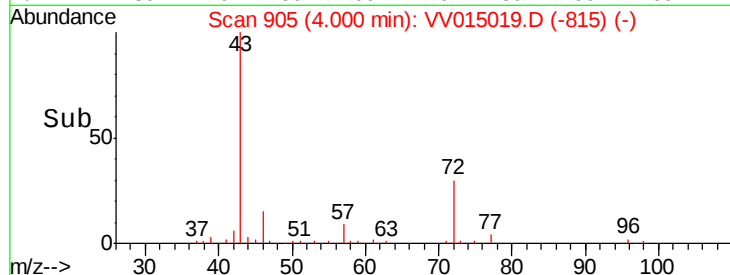
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#23

Bromochloromethane

Concen: 209.466 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Tgt Ion: 128 Resp: 275152

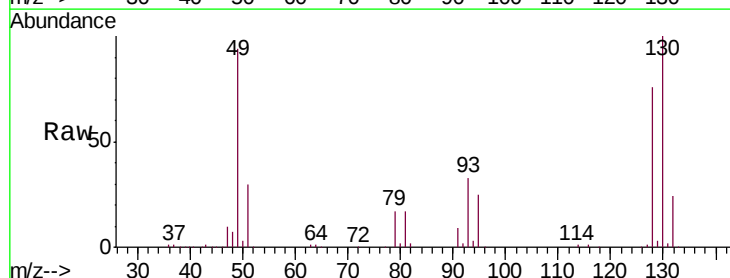
Ion Ratio Lower Upper

128 100

49 123.1 87.9 163.3

130 130.9 92.5 171.9

51 38.7 29.7 44.5



Abundance Ion 128.00 (127.70 to 128.70): VV015019.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV015019.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV015019.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV015019.D (-898) (-)

4.28

200000

150000

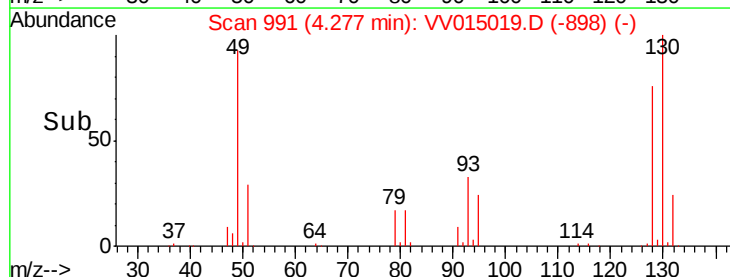
100000

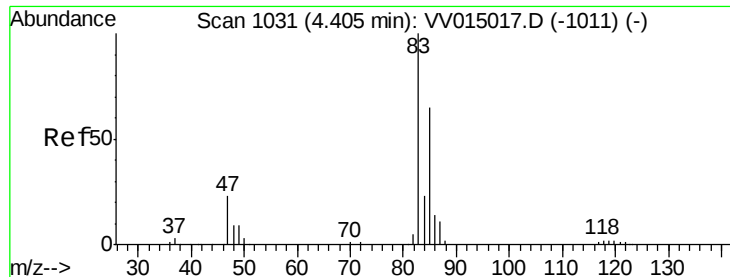
50000

0

4.20 4.30 4.40

Time-->

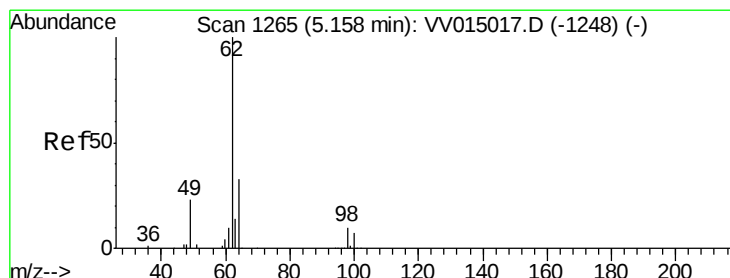
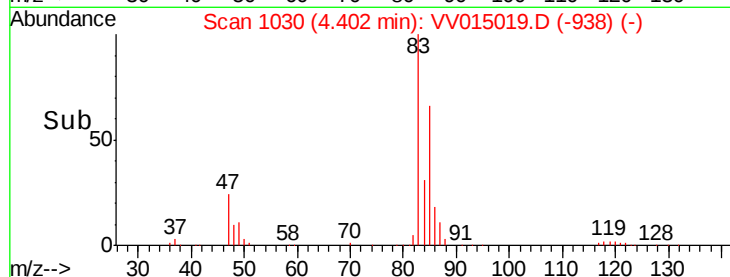
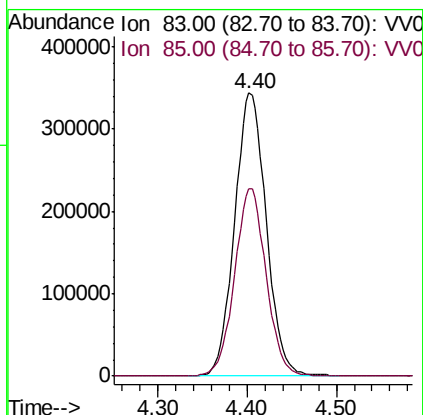
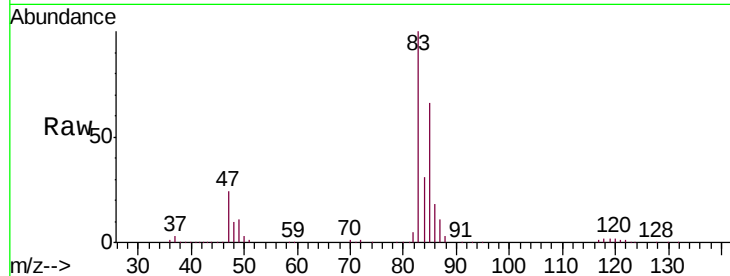




#25
Chloroform
Concen: 203.143 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015019.D
Acq: 18 Mar 2020 15:14

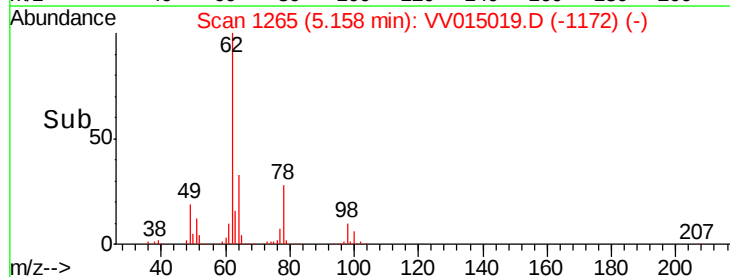
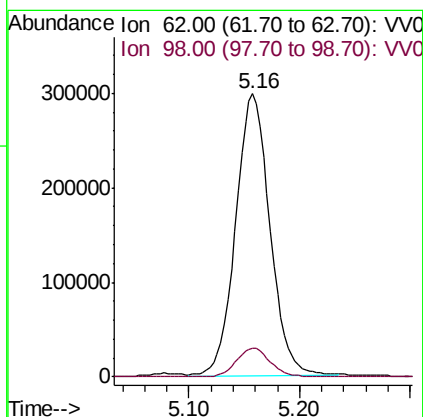
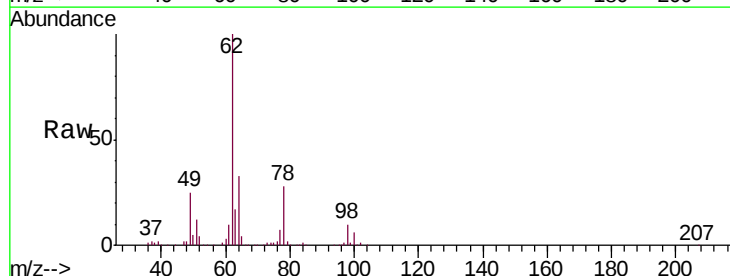
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

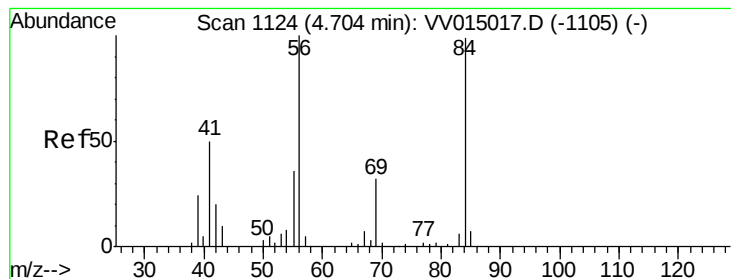
Tgt Ion: 83 Resp: 844133
Ion Ratio Lower Upper
83 100
85 66.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 206.241 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV015019.D
Acq: 18 Mar 2020 15:14

Tgt Ion: 62 Resp: 639973
Ion Ratio Lower Upper
62 100
98 10.1 7.8 11.8





#29

Cyclohexane

Concen: 209.824 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

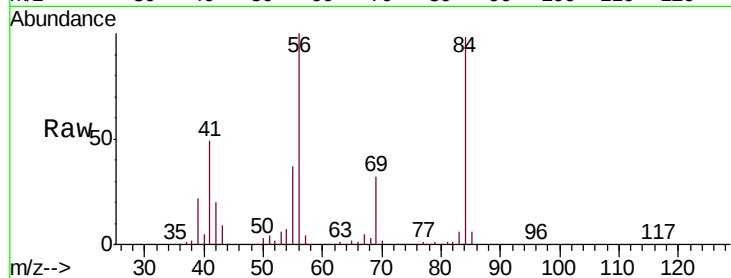
Tgt Ion: 56 Resp: 676989

Ion Ratio Lower Upper

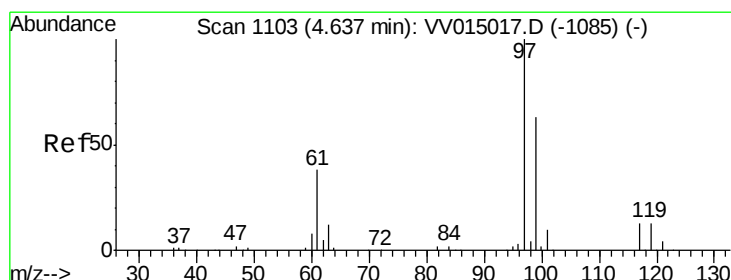
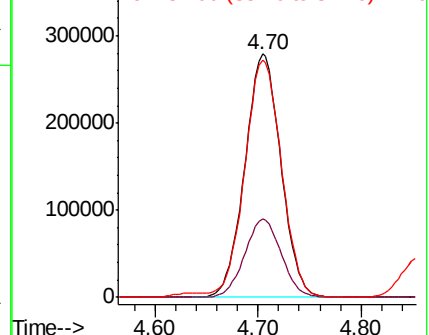
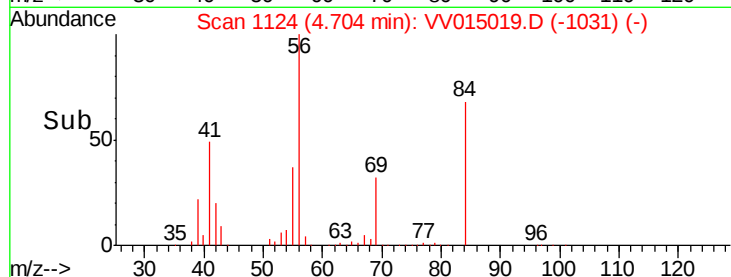
56 100

69 32.6 25.8 38.6

84 99.1 80.0 120.0



Abundance Ion 56.00 (55.70 to 56.70): VV015019.D (-1031) (-)



#30

1,1,1-Trichloroethane

Concen: 204.636 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

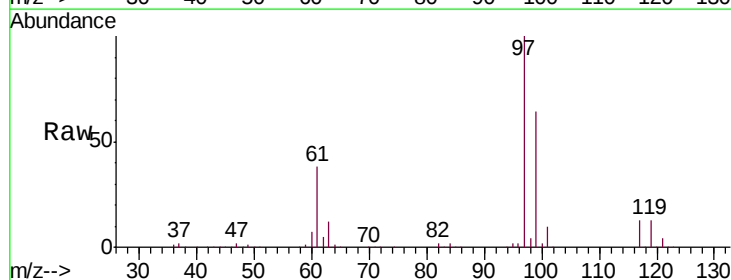
Tgt Ion: 97 Resp: 793325

Ion Ratio Lower Upper

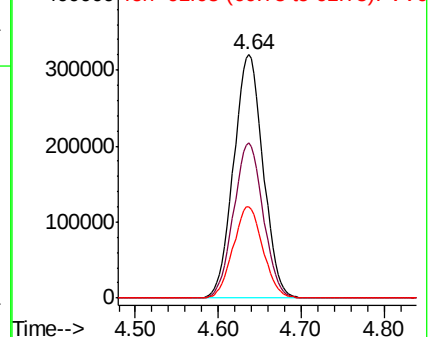
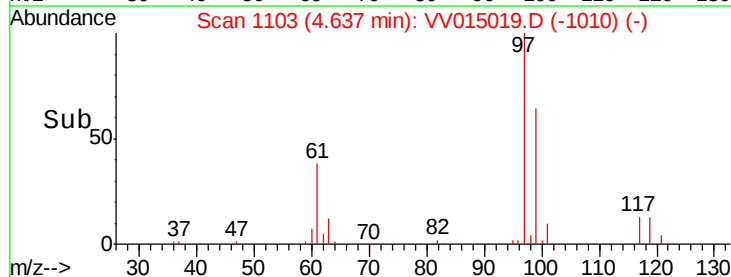
97 100

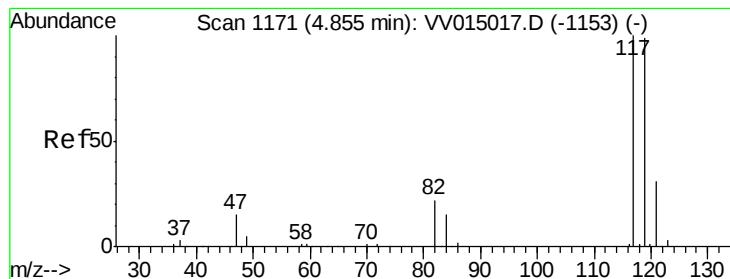
99 64.0 51.1 76.7

61 38.0 30.5 45.7



Abundance Ion 97.00 (96.70 to 97.70): VV015019.D (-1010) (-)





#31

Carbon tetrachloride

Concen: 208.739 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

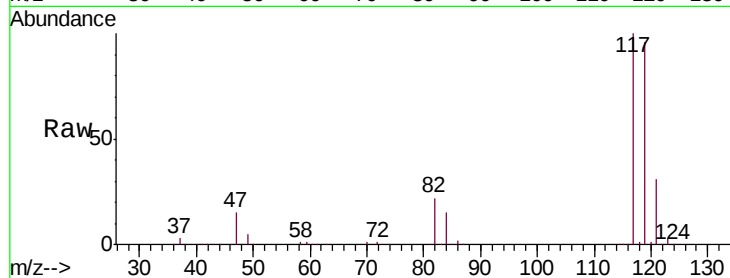
VSTD20062

Tgt Ion:117 Resp: 727232

Ion Ratio Lower Upper

117 100

119 96.7 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

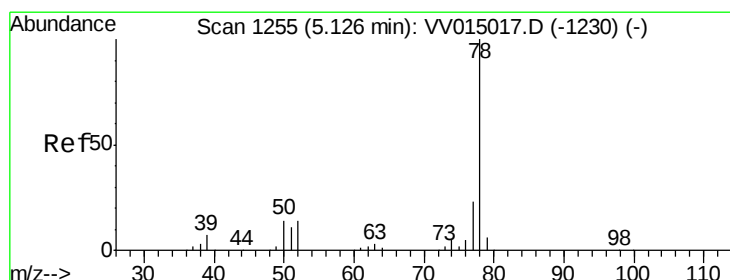
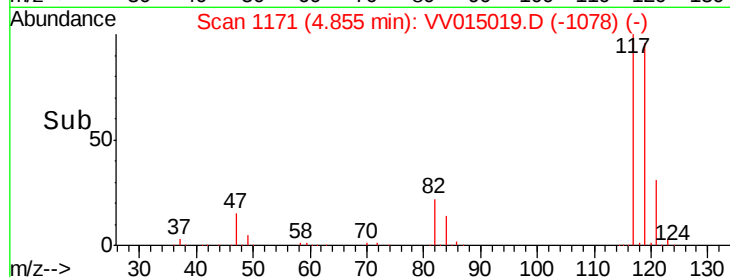
300000

200000

100000

0

Time-->



#33

Benzene

Concen: 204.258 ug/L

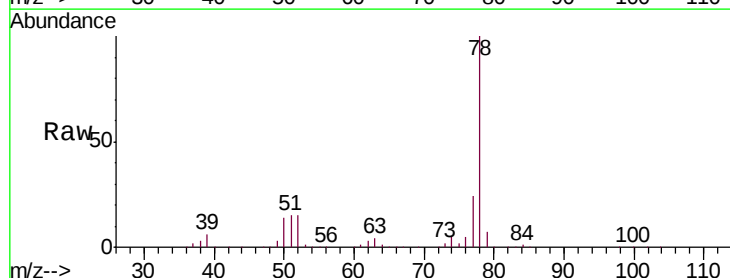
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Tgt Ion: 78 Resp: 1796849



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

800000

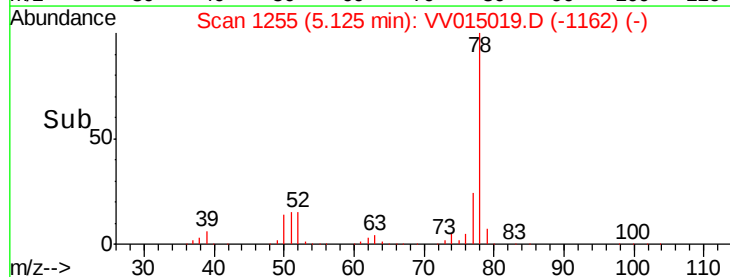
600000

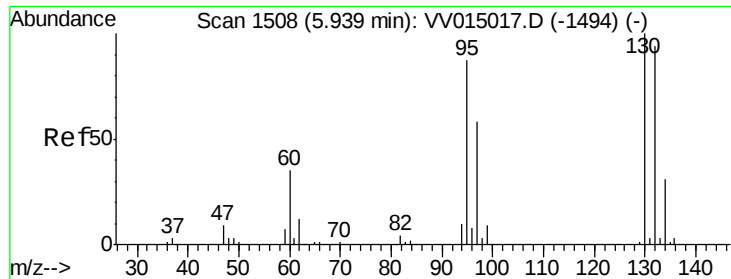
400000

200000

0

Time-->

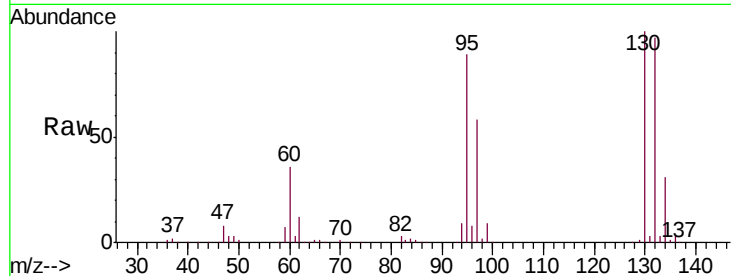




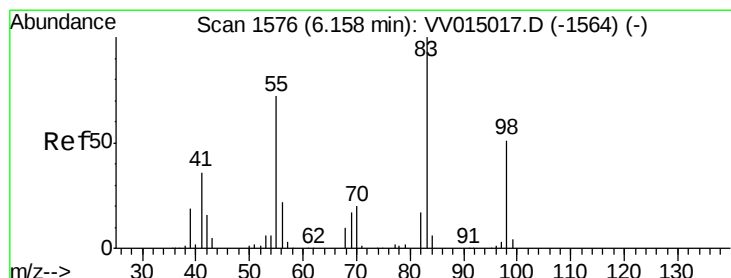
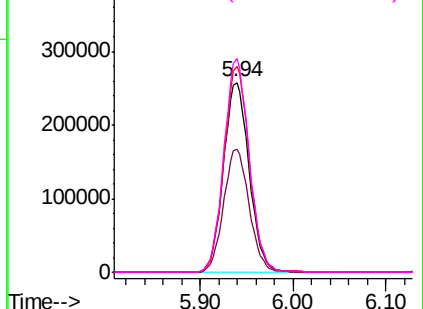
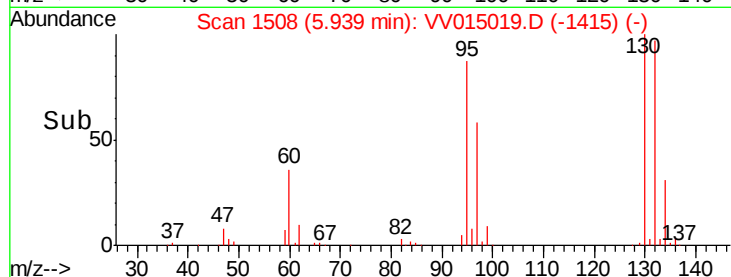
#34
 Trichloroethene
 Concen: 207.998 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tgt Ion: 95 Resp: 495690
 Ion Ratio Lower Upper
 95 100
 97 65.1 46.8 87.0
 132 108.7 76.2 141.4
 130 112.6 80.8 150.2

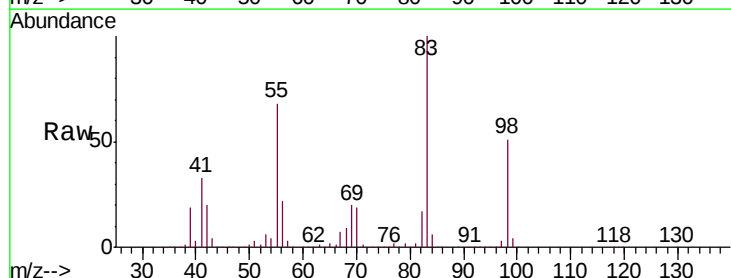


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

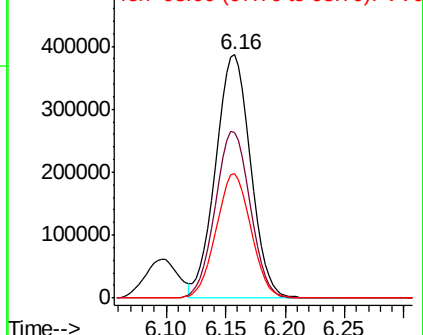
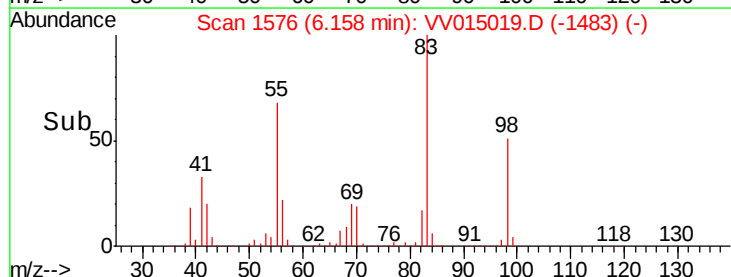


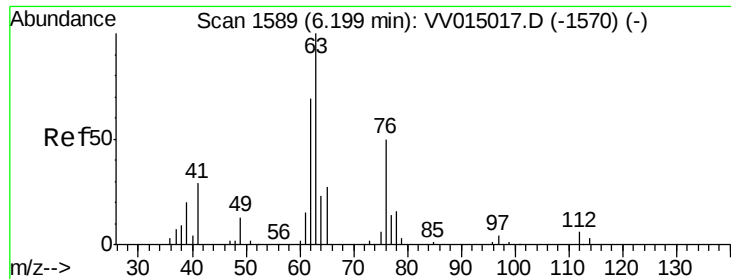
#35
 Methylcyclohexane
 Concen: 208.523 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

Tgt Ion: 83 Resp: 788554
 Ion Ratio Lower Upper
 83 100
 55 68.5 55.4 83.0
 98 51.0 40.6 61.0



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

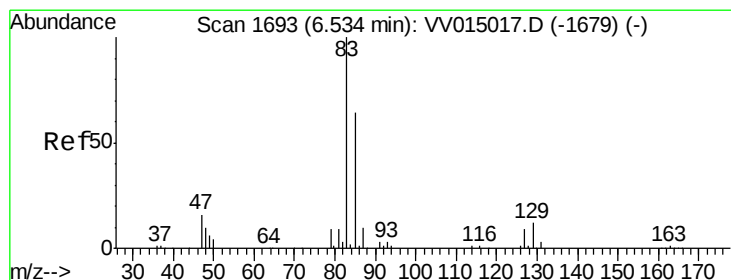
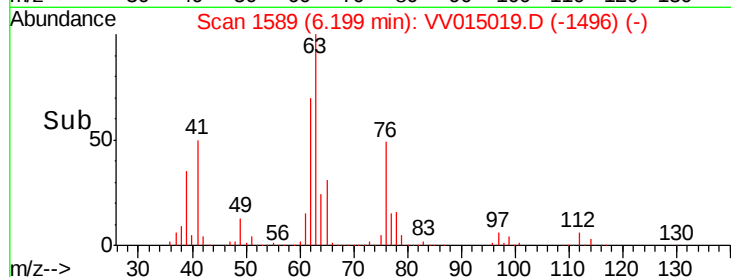
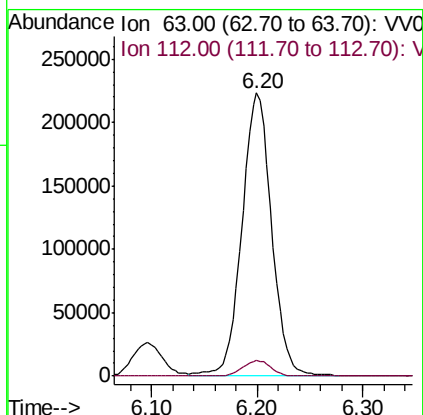
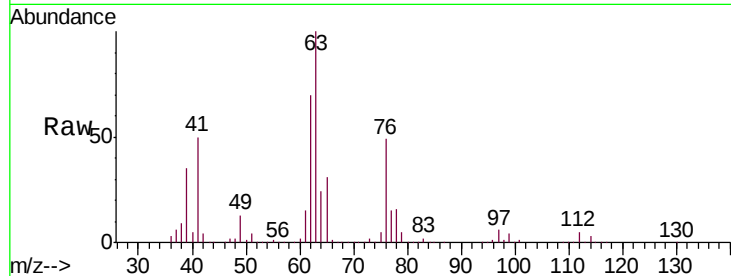




#37
 1,2-Dichloropropane
 Concen: 203.607 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

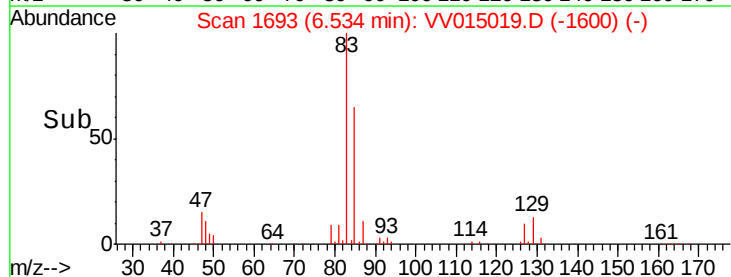
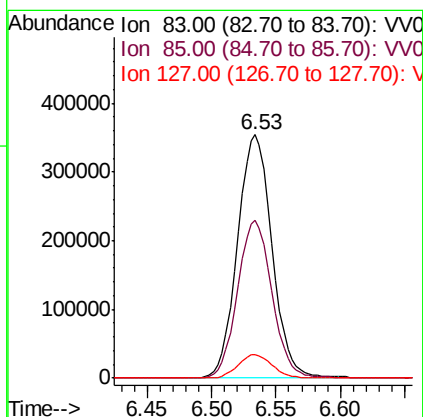
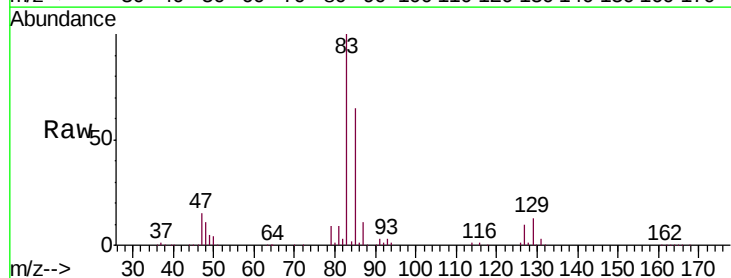
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

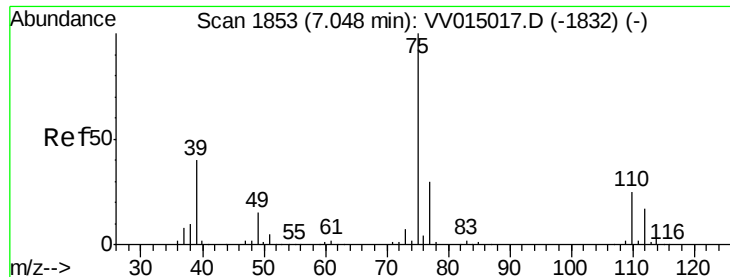
Tgt Ion: 63 Resp: 433145
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.4 6.6



#38
 Bromodichloromethane
 Concen: 212.653 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

Tgt Ion: 83 Resp: 659765
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.6 82.8
 127 9.6 7.4 11.2

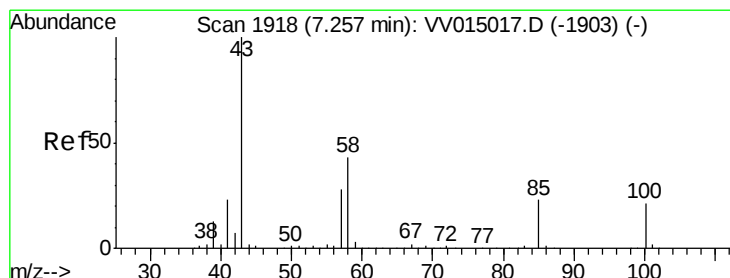
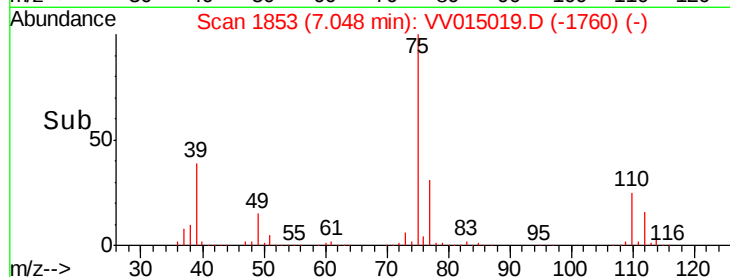
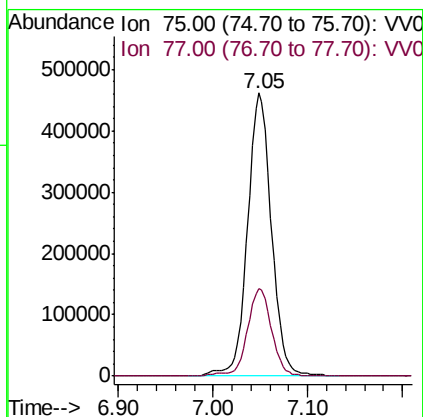
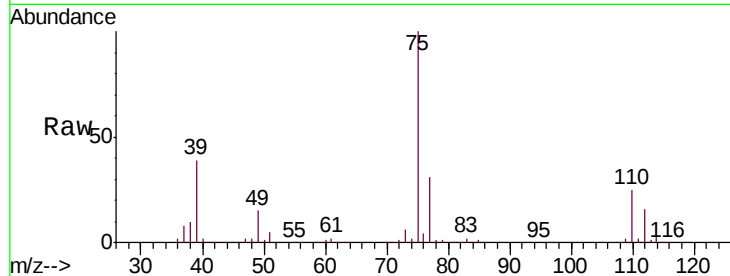




#39
 cis-1,3-Dichloropropene
 Concen: 227.860 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

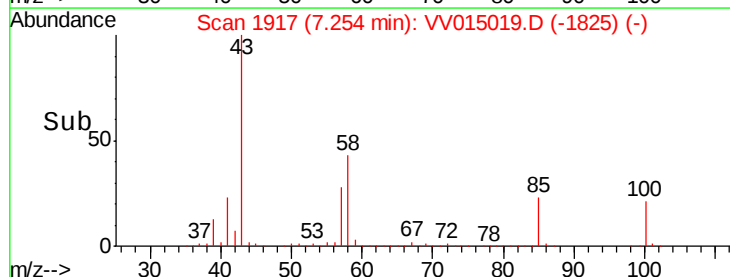
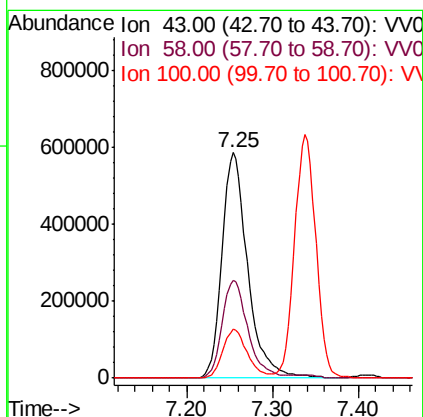
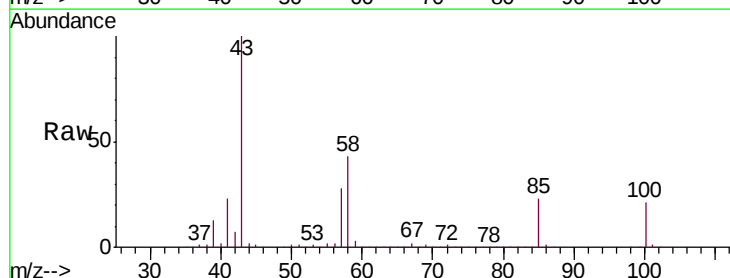
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20062

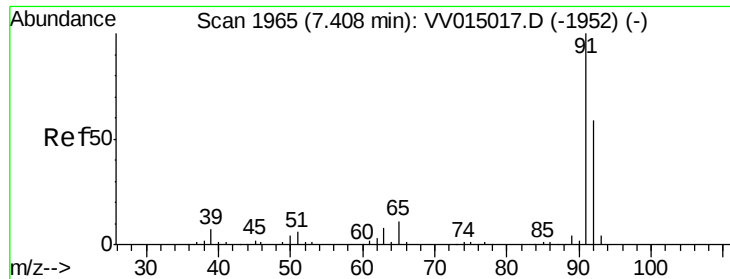
Tgt Ion: 75 Resp: 811689
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 414.081 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

Tgt Ion: 43 Resp: 1220258
 Ion Ratio Lower Upper
 43 100
 58 43.5 34.5 51.7
 100 20.7 15.7 23.5





#42

Toluene

Concen: 208.255 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampled :

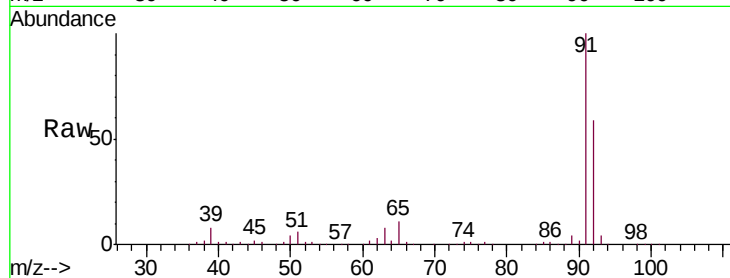
VSTD20062

Tgt Ion: 91 Resp: 2071052

Ion Ratio Lower Upper

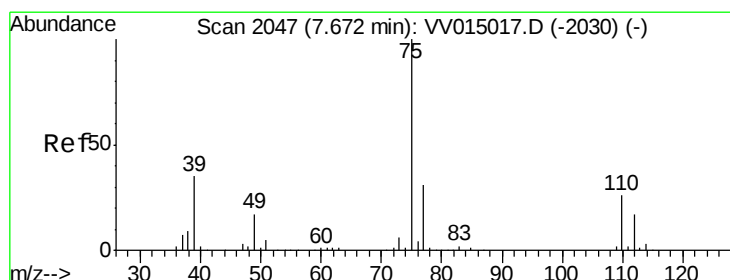
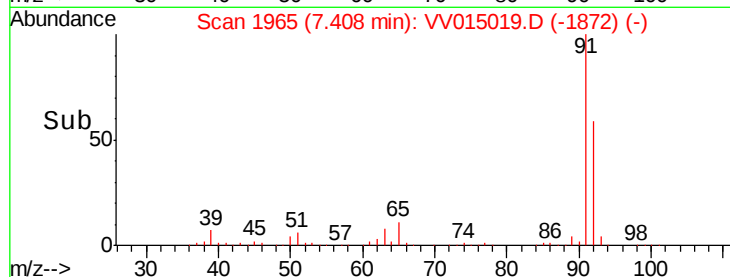
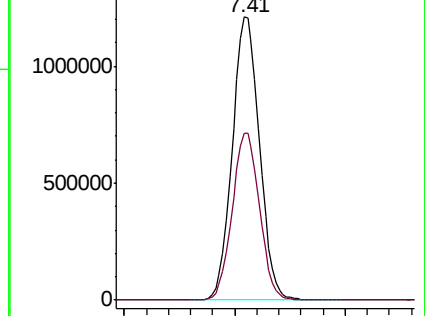
91 100

92 59.0 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 227.890 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015019.D

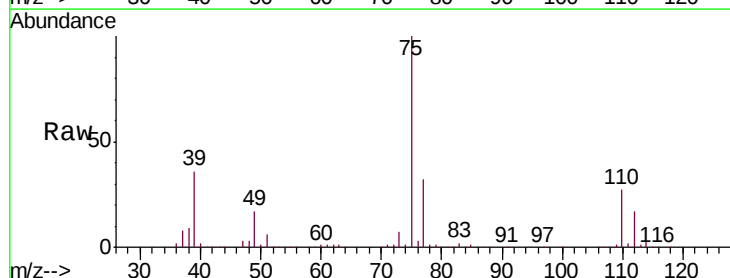
Acq: 18 Mar 2020 15:14

Tgt Ion: 75 Resp: 735326

Ion Ratio Lower Upper

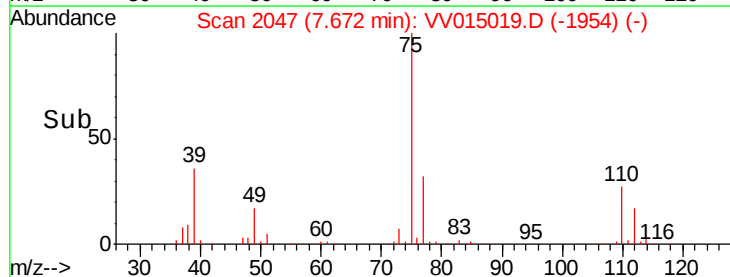
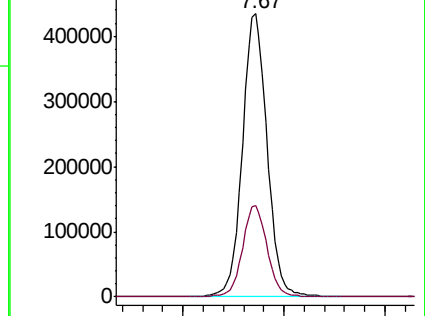
75 100

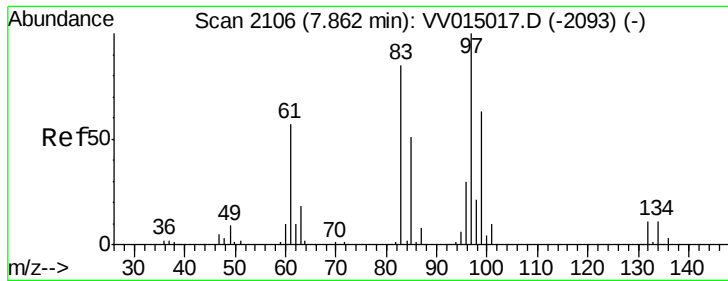
77 32.5 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

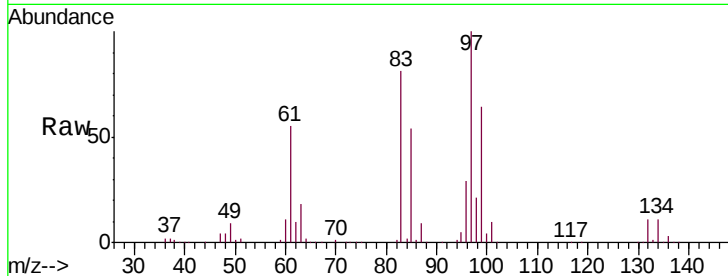




#45
 1,1,2-Trichloroethane
 Concen: 206.452 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

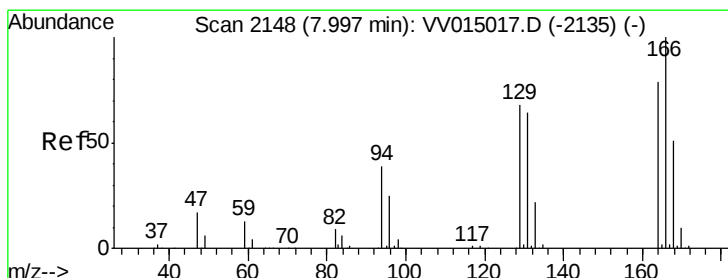
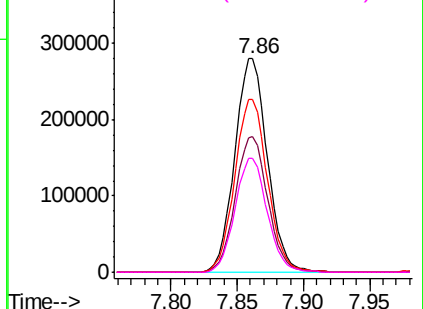
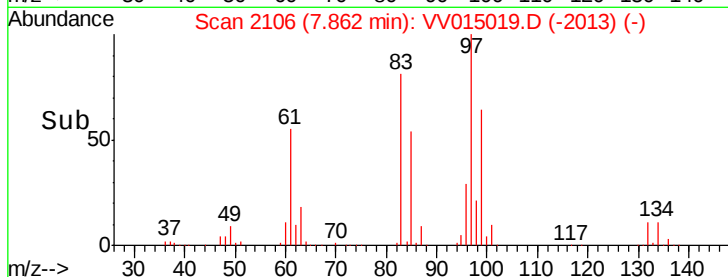
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tgt Ion:	97	Resp:	478794
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.3	82.3
83	80.9	59.5	110.5
85	53.6	35.7	66.3



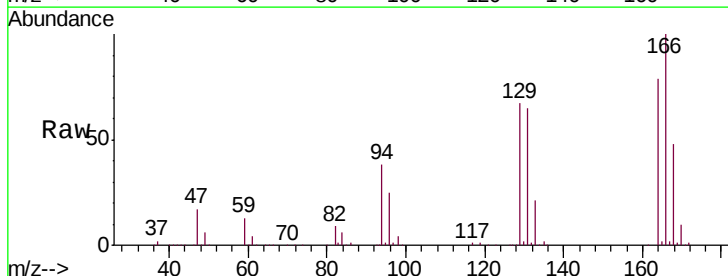
Abundance

Ion 97.00 (96.70 to 97.70): VV015019.D (-2013) (-)



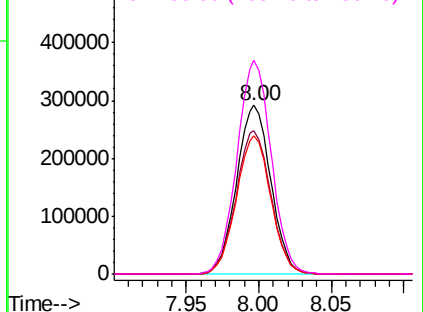
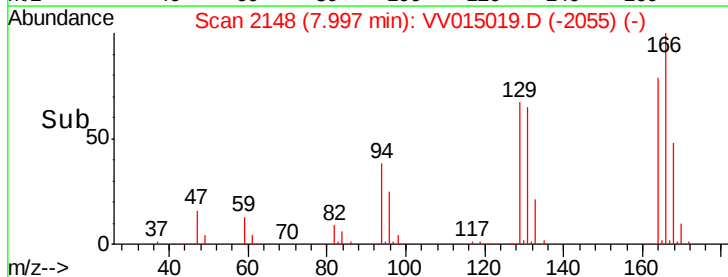
#46
 Tetrachloroethene
 Concen: 211.391 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

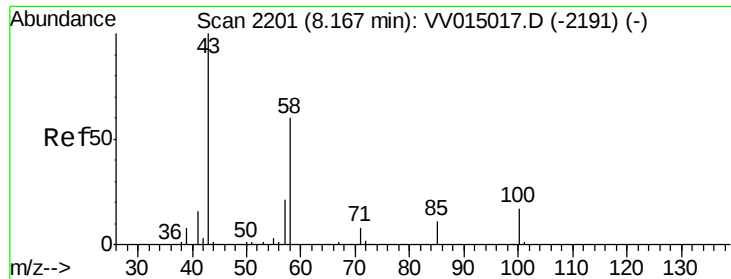
Tgt Ion:	164	Resp:	478340
Ion	Ratio	Lower	Upper
164	100		
129	85.0	60.4	112.2
131	82.3	57.0	105.8
166	126.6	88.5	164.3



Abundance

Ion 164.00 (163.70 to 164.70): VV015019.D (-2055) (-)

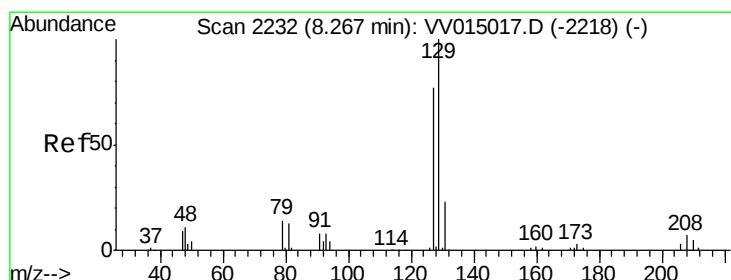
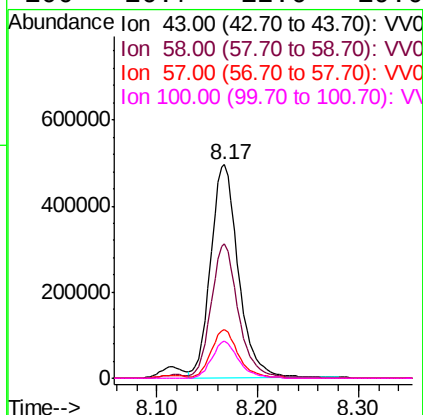
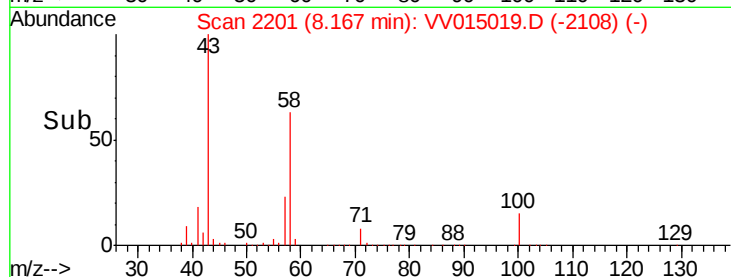
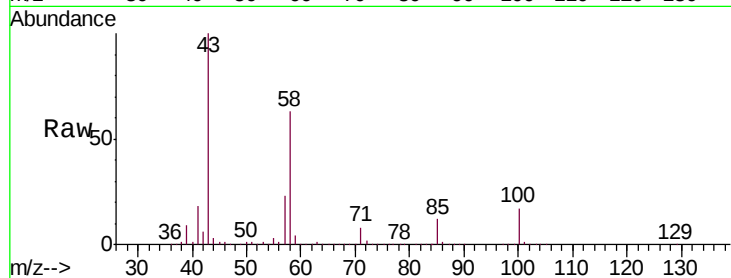




#48
2-Hexanone
Concen: 430.358 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. -0.00 min
Lab File: VV015019.D
Acq: 18 Mar 2020 15:14

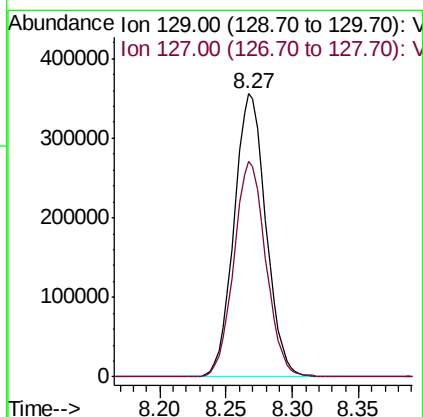
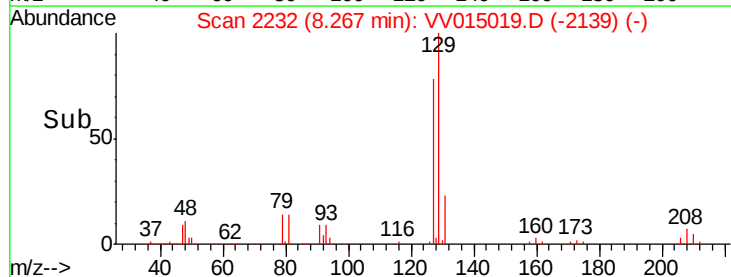
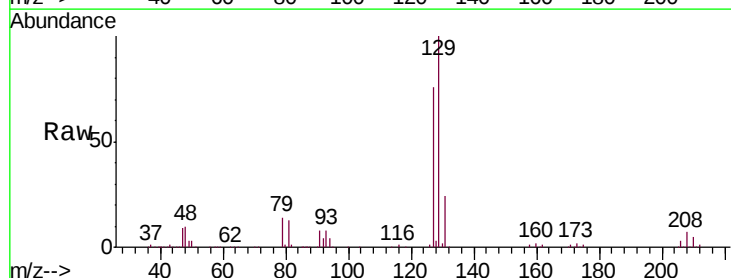
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

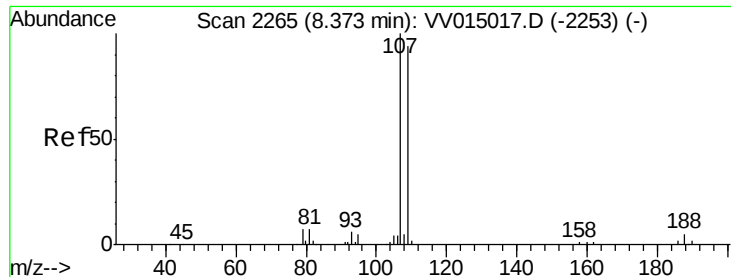
Tgt Ion: 43 Resp: 947336
Ion Ratio Lower Upper
43 100
58 62.5 48.2 72.2
57 22.5 15.8 23.6
100 16.7 12.6 19.0



#49
Dibromochloromethane
Concen: 220.807 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015019.D
Acq: 18 Mar 2020 15:14

Tgt Ion: 129 Resp: 595154
Ion Ratio Lower Upper
129 100
127 76.3 53.8 99.8

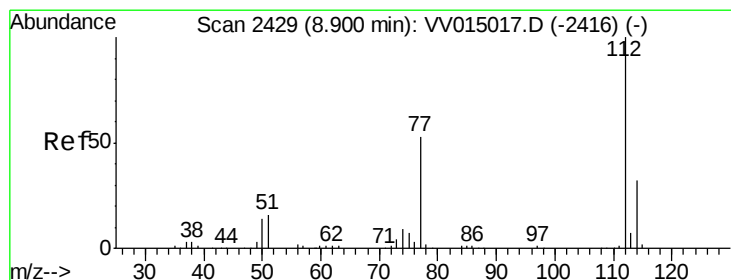
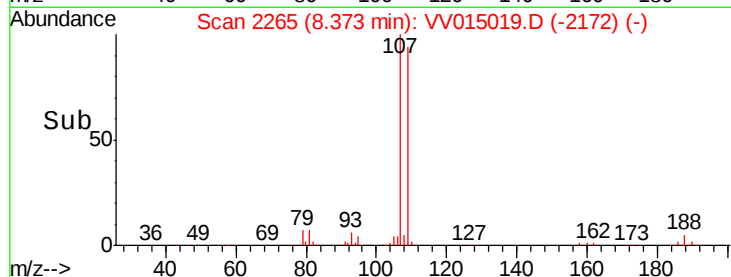
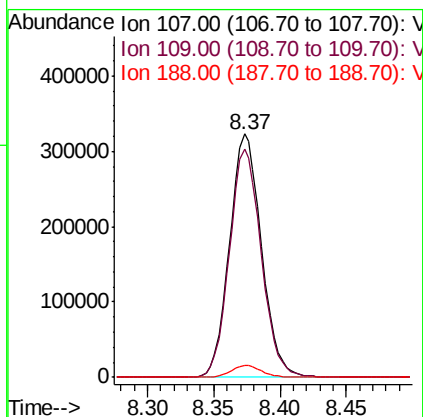
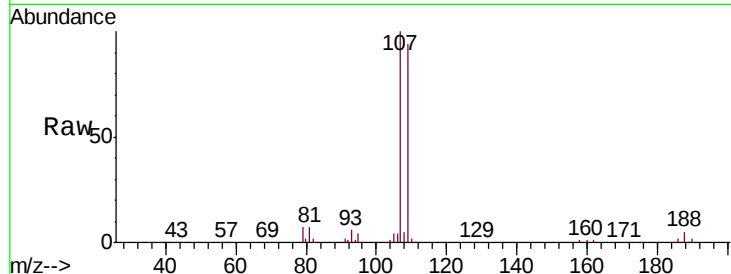




#50
1,2-Dibromoethane
Concen: 208.262 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV015019.D
Acq: 18 Mar 2020 15:14

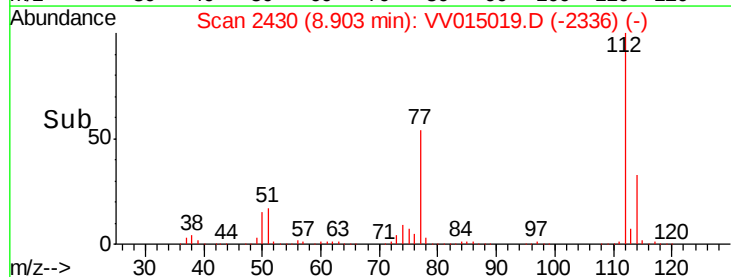
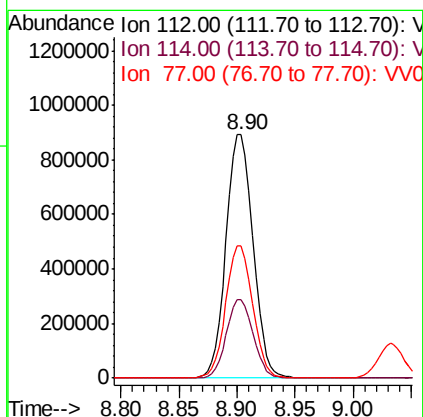
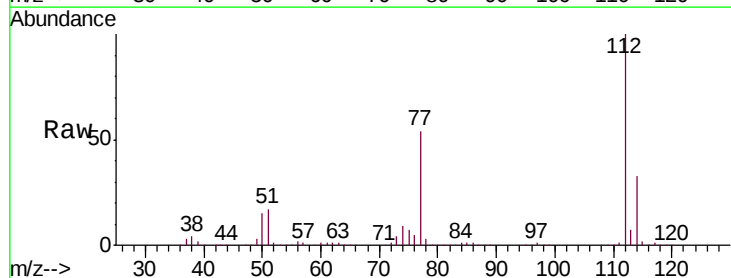
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

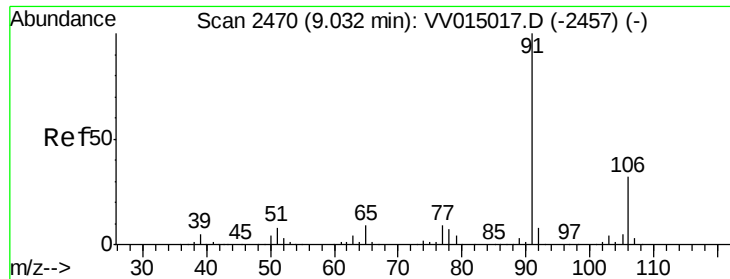
Tgt Ion:107 Resp: 539049
Ion Ratio Lower Upper
107 100
109 93.9 66.0 122.6
188 4.8 3.9 5.9



#51
Chlorobenzene
Concen: 206.559 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015019.D
Acq: 18 Mar 2020 15:14

Tgt Ion:112 Resp: 1444284
Ion Ratio Lower Upper
112 100
114 32.5 22.4 41.6
77 54.2 42.9 64.3





#52

Ethylbenzene

Concen: 213.076 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

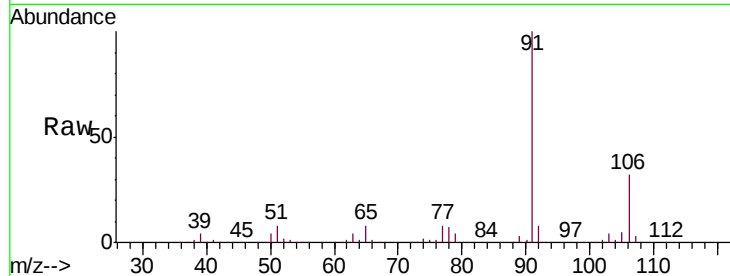
VSTD20062

Tgt Ion: 91 Resp: 2407031

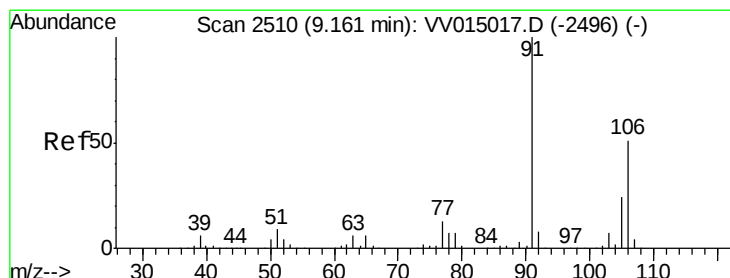
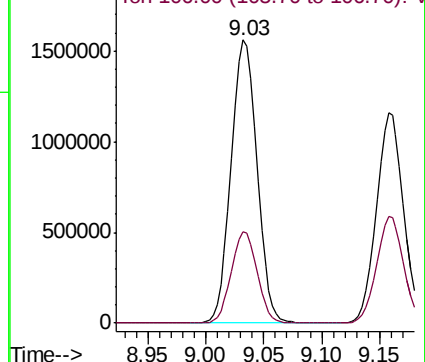
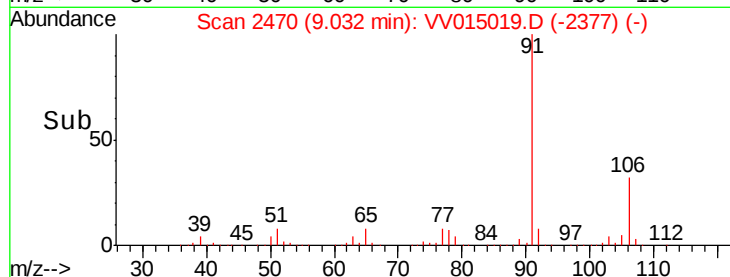
Ion Ratio Lower Upper

91 100

106 32.4 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV015019.D (-2377) (-)



#53

m,p-Xylene

Concen: 216.346 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015019.D

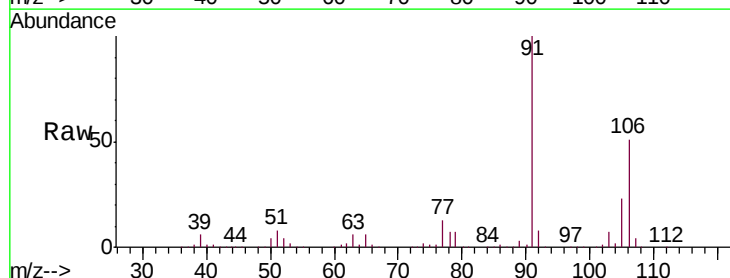
Acq: 18 Mar 2020 15:14

Tgt Ion: 106 Resp: 956802

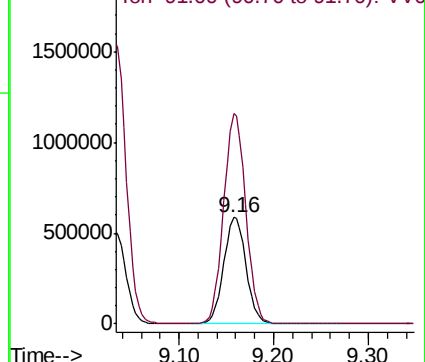
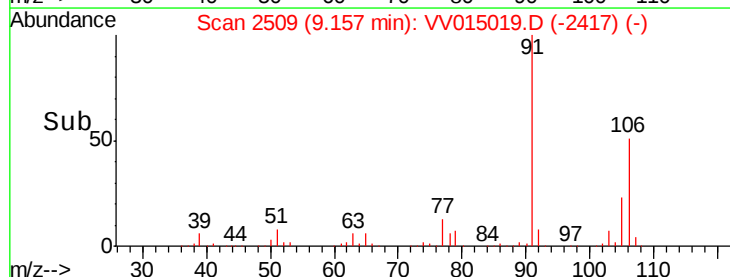
Ion Ratio Lower Upper

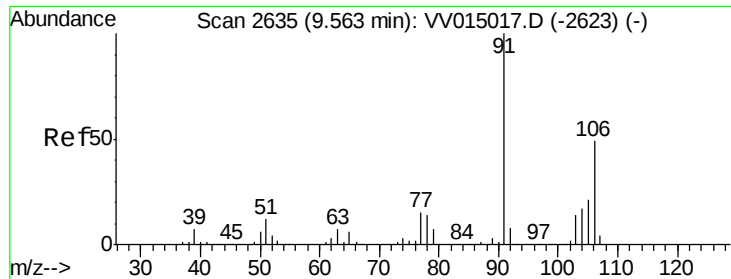
106 100

91 197.1 137.0 254.4



Abundance Ion 106.00 (105.70 to 106.70): VV015019.D (-2417) (-)





#54

o-xylene

Concen: 215.752 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

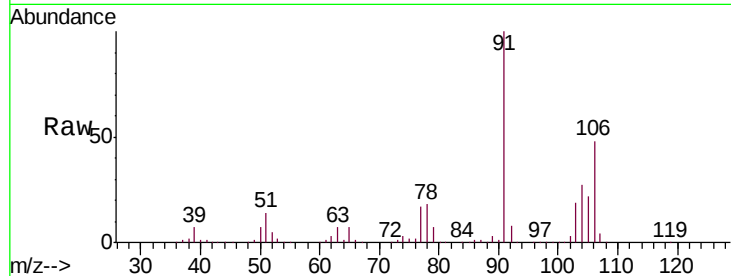
VSTD20062

Tgt Ion:106 Resp: 944903

Ion Ratio Lower Upper

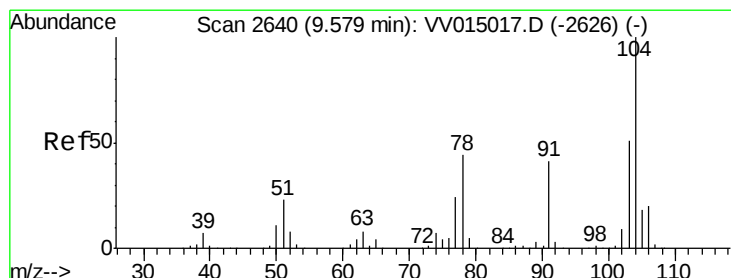
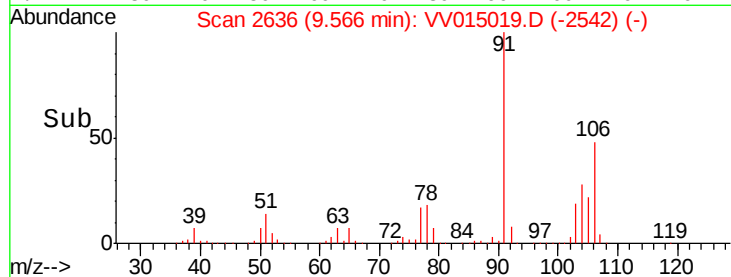
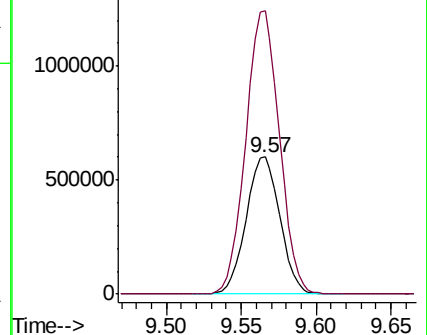
106 100

91 206.7 144.3 268.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 219.671 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015019.D

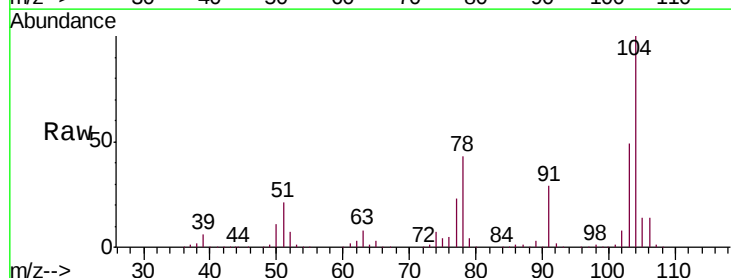
Acq: 18 Mar 2020 15:14

Tgt Ion:104 Resp: 1615783

Ion Ratio Lower Upper

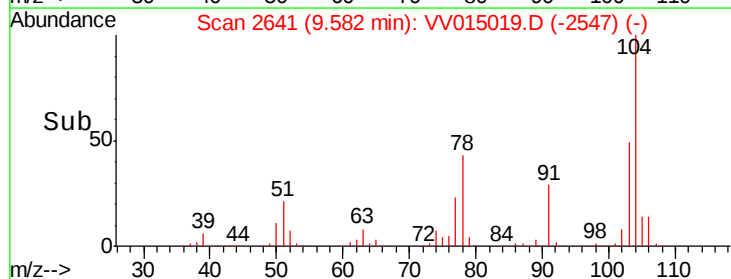
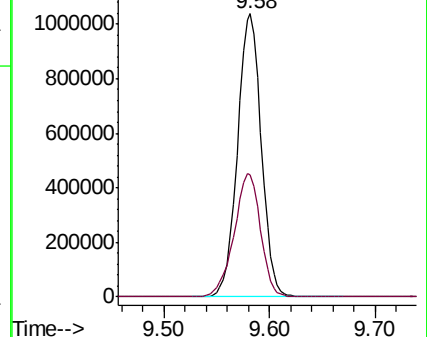
104 100

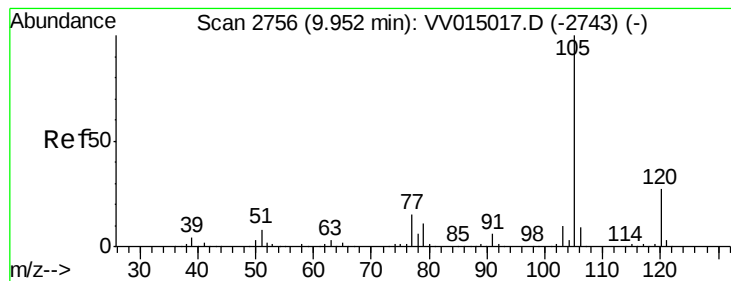
78 43.2 30.7 56.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 218.193 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

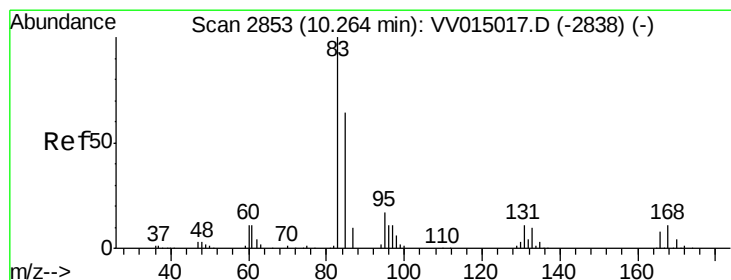
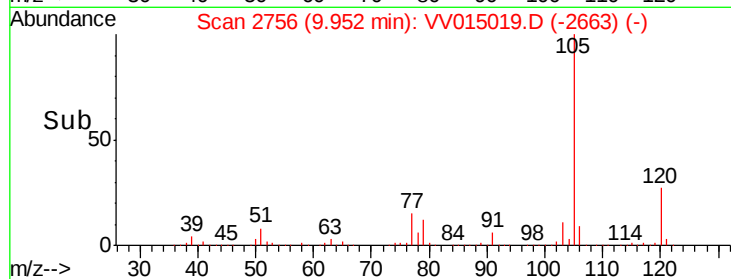
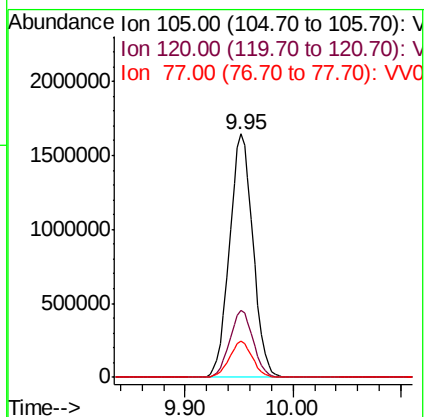
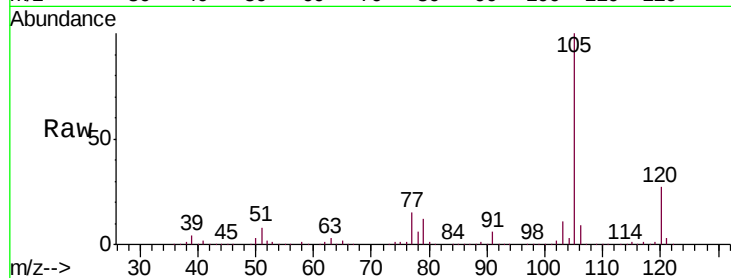
Tgt Ion:105 Resp: 2488887

Ion Ratio Lower Upper

105 100

120 27.5 21.8 32.6

77 14.5 11.7 17.5



#58

1,1,2,2-Tetrachloroethane

Concen: 205.972 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

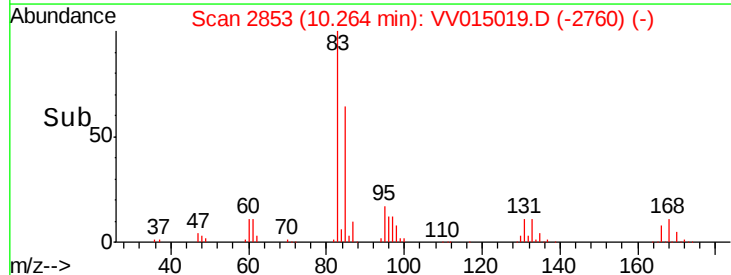
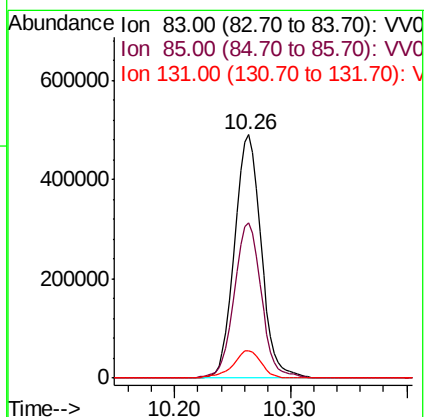
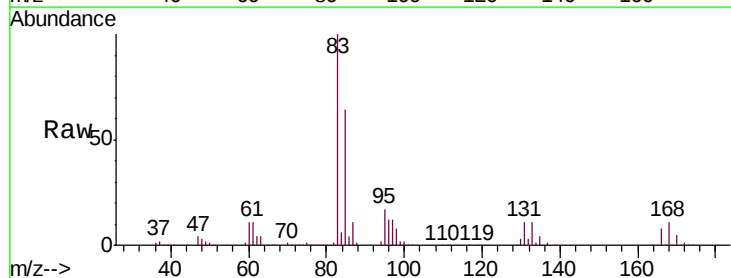
Tgt Ion: 83 Resp: 776964

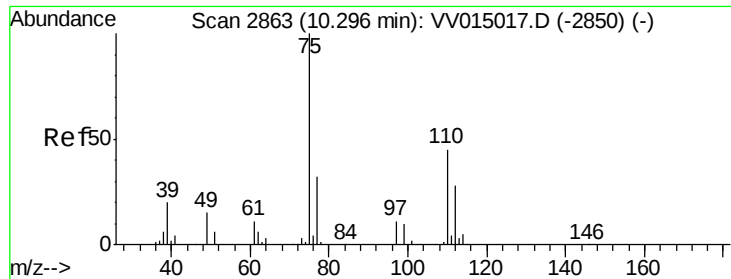
Ion Ratio Lower Upper

83 100

85 64.0 44.9 83.5

131 11.4 9.3 13.9





#59

1,2,3-Trichloropropane

Concen: 206.245 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

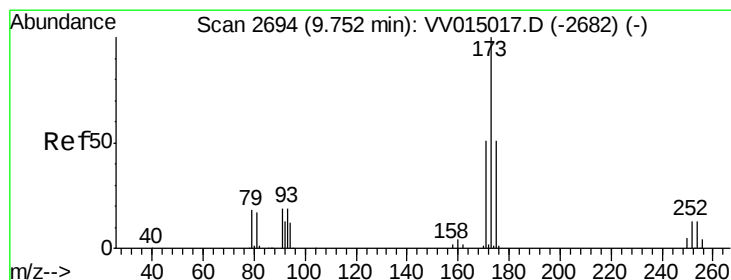
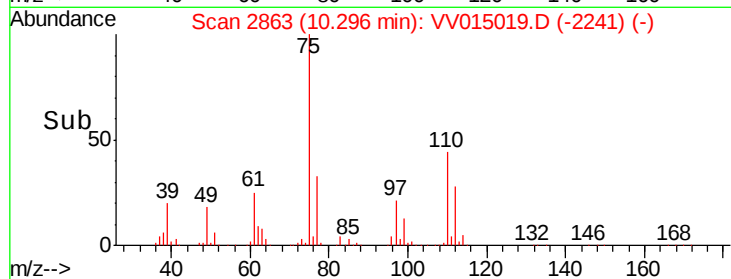
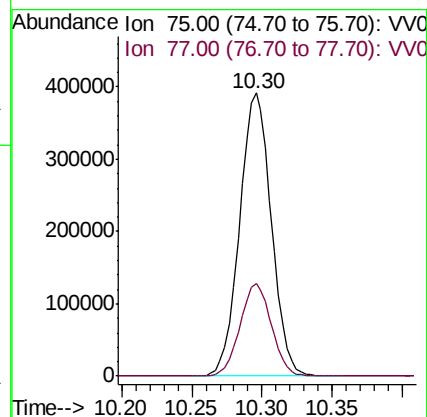
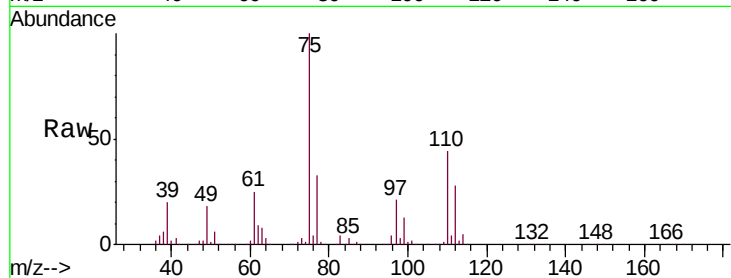
VSTD20062

Tgt Ion: 75 Resp: 616665

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2



#61

Bromoform

Concen: 231.727 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

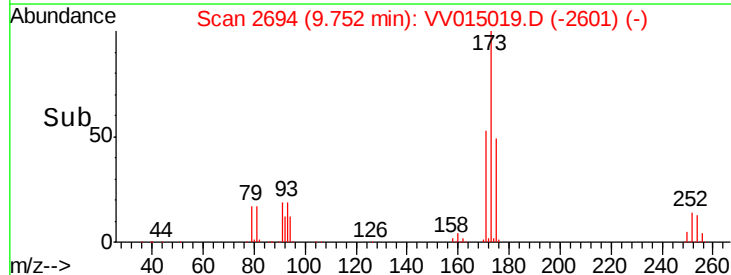
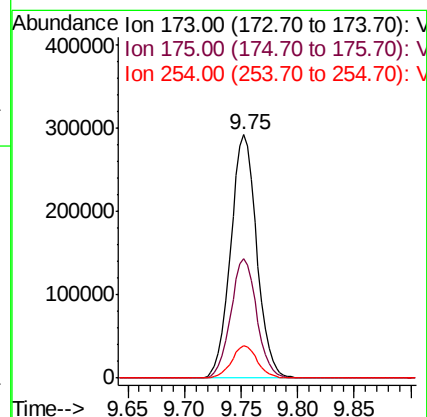
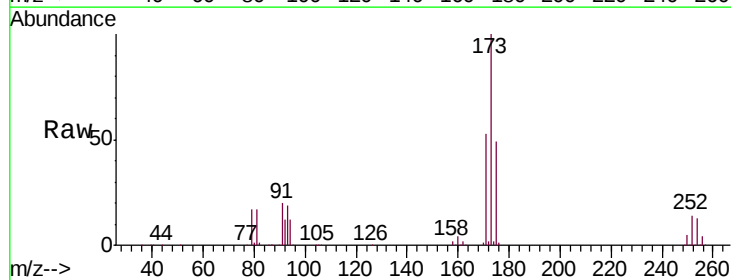
Tgt Ion: 173 Resp: 467571

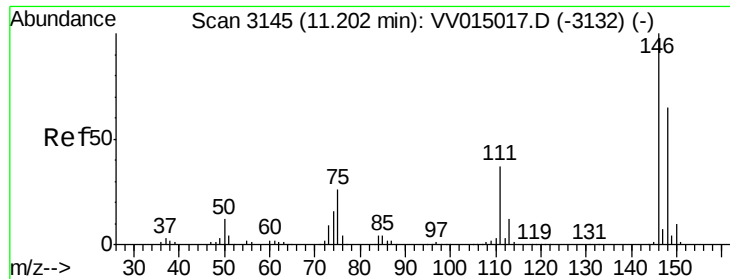
Ion Ratio Lower Upper

173 100

175 48.9 39.5 59.3

254 13.2 10.1 15.1

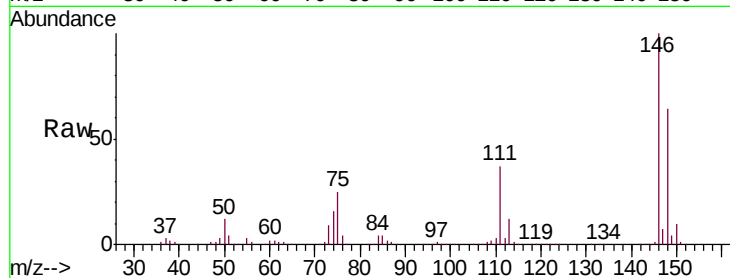




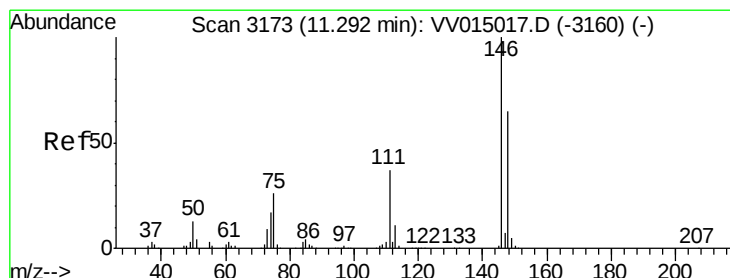
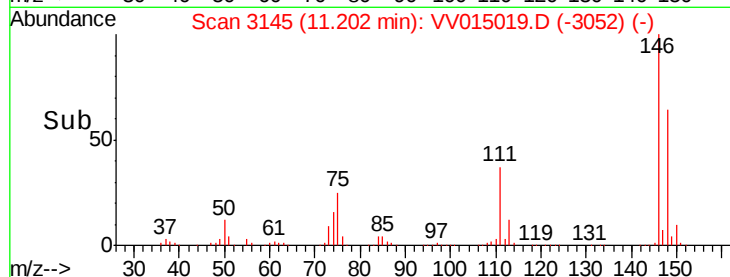
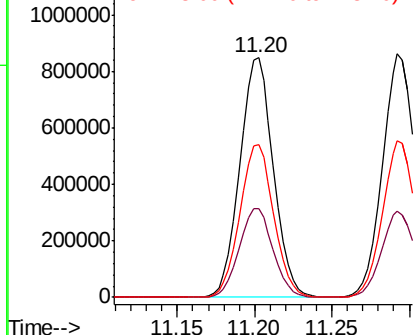
#62
 1,3-Dichlorobenzene
 Concen: 208.211 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tgt Ion:146 Resp: 1278959
 Ion Ratio Lower Upper
 146 100
 111 36.9 25.7 47.7
 148 64.1 45.4 84.4

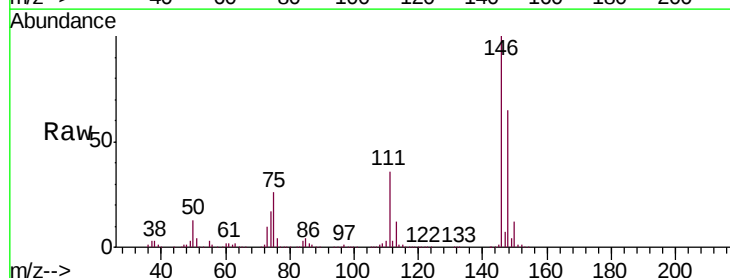


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

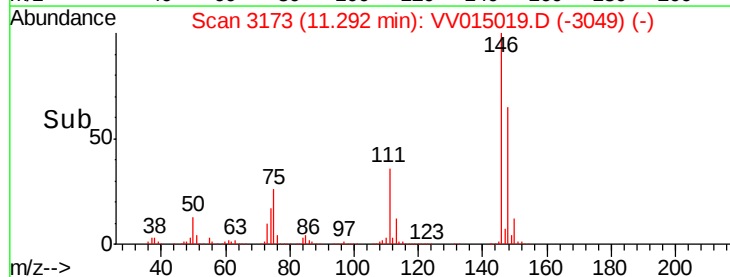
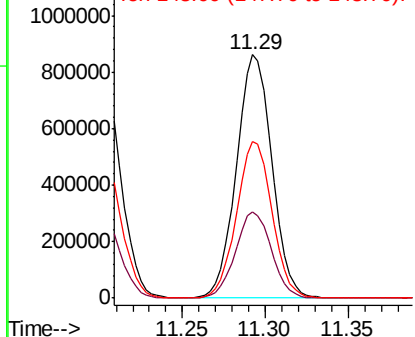


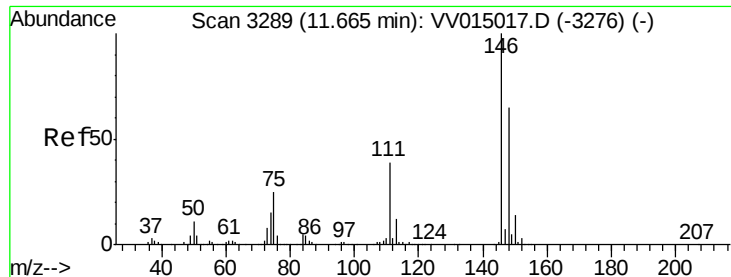
#63
 1,4-Dichlorobenzene
 Concen: 199.880 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

Tgt Ion:146 Resp: 1278019
 Ion Ratio Lower Upper
 146 100
 111 35.6 25.8 48.0
 148 64.5 45.7 84.9



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

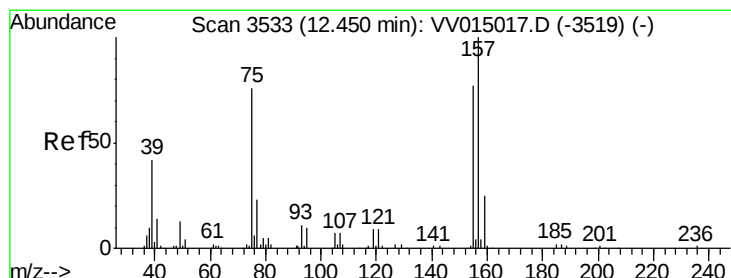
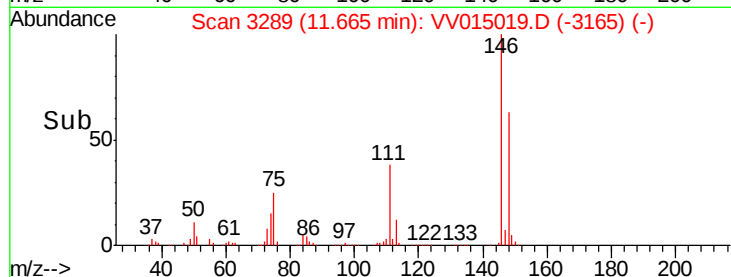
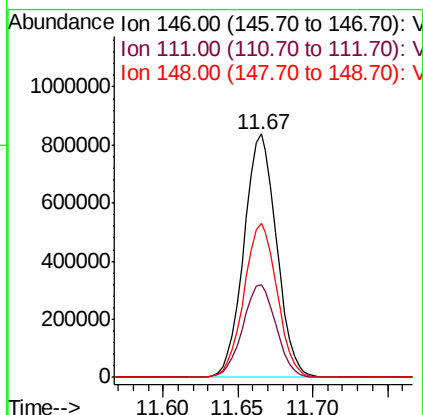
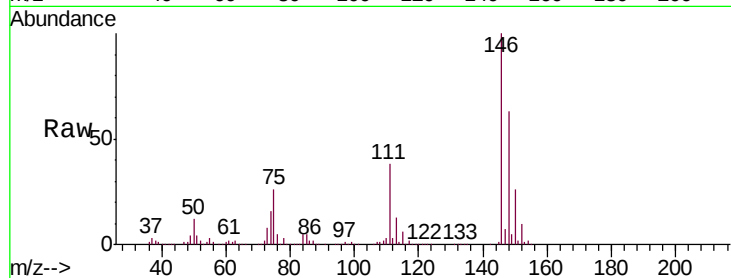




#65
 1,2-Dichlorobenzene
 Concen: 195.083 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

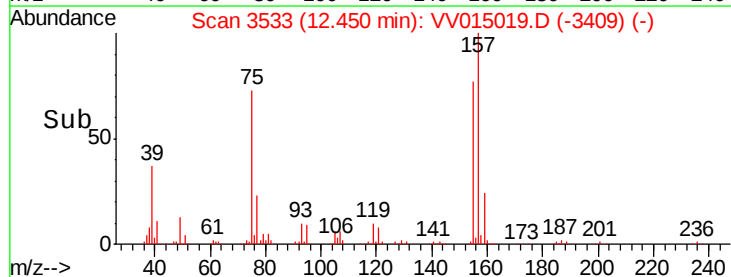
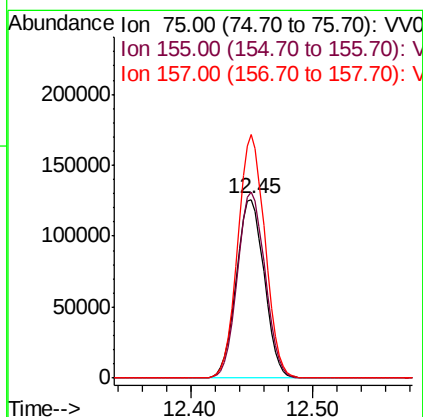
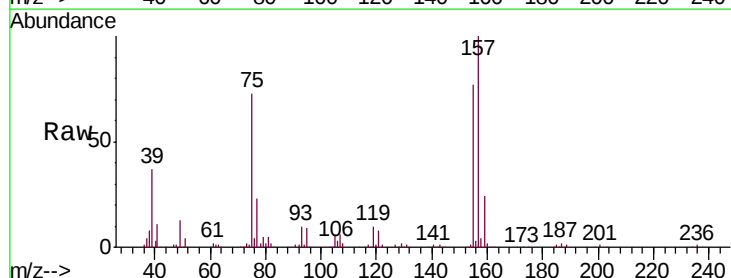
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20062

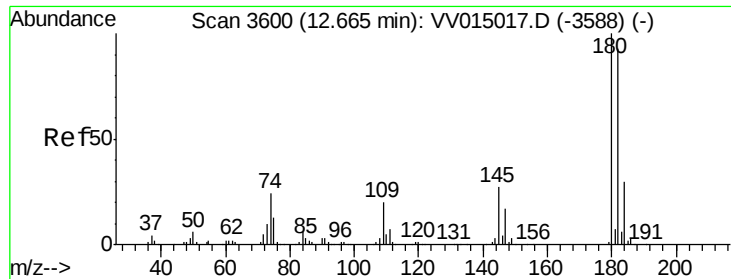
Tgt Ion:146 Resp: 1272806
 Ion Ratio Lower Upper
 146 100
 111 38.2 31.5 47.3
 148 63.4 51.7 77.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 218.566 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

Tgt Ion: 75 Resp: 199291
 Ion Ratio Lower Upper
 75 100
 155 104.3 80.6 121.0
 157 136.1 104.6 157.0

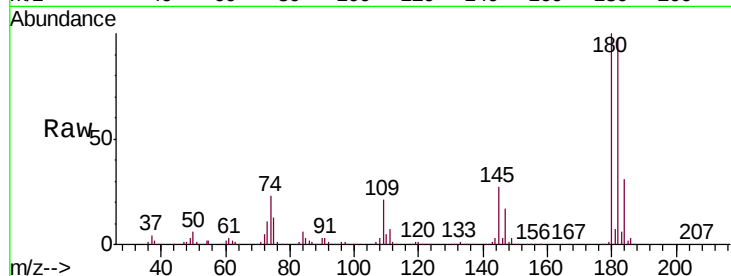




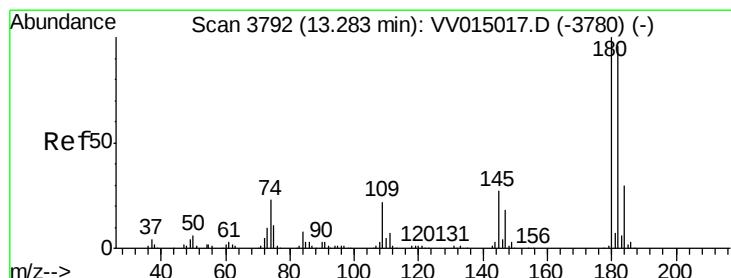
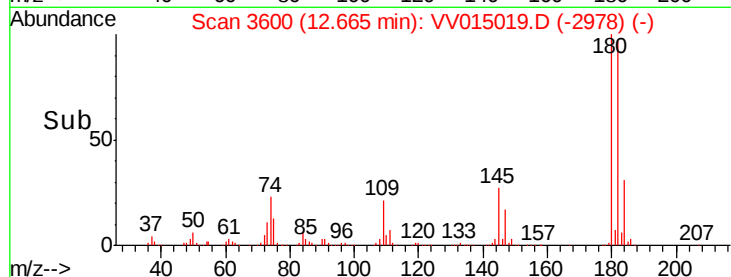
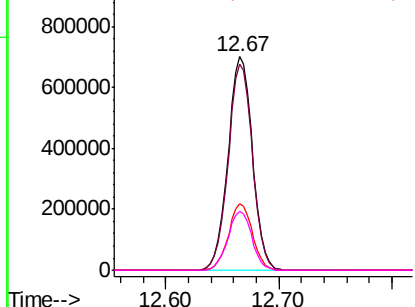
#67
 1,3,5-Trichlorobenzene
 Concen: 216.066 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tgt Ion:180 Resp: 1050098
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.2 112.8
 184 30.7 23.9 35.9
 145 27.1 22.0 33.0

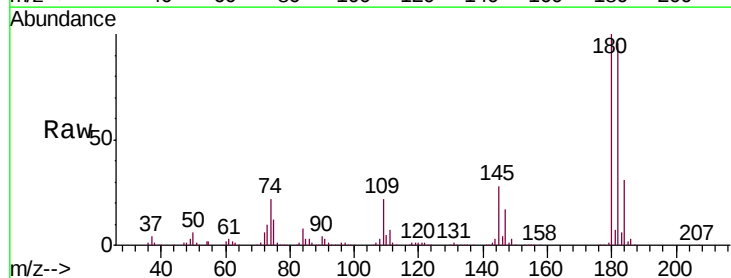


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

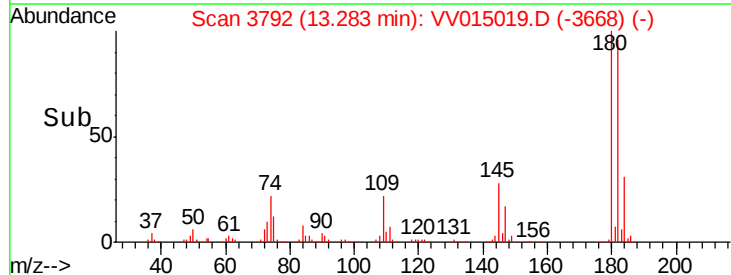
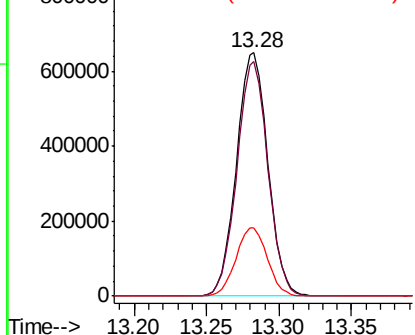


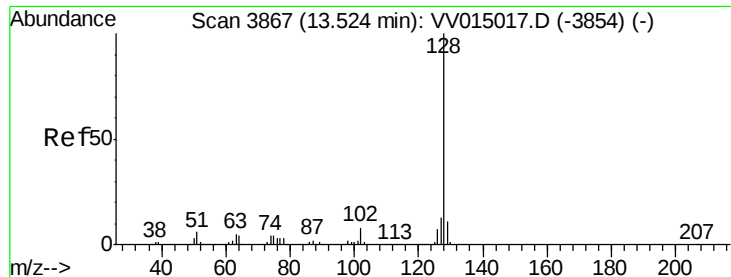
#68
 1,2,4-trichlorobenzene
 Concen: 218.210 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015019.D
 Acq: 18 Mar 2020 15:14

Tgt Ion:180 Resp: 976643
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.3 114.5
 145 28.0 22.2 33.4



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: 237.347 ug/L

RT: 13.52 min Scan# 3866

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

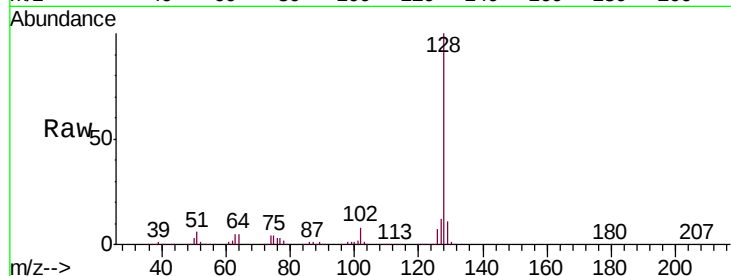
Tgt Ion:128 Resp: 1386973

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

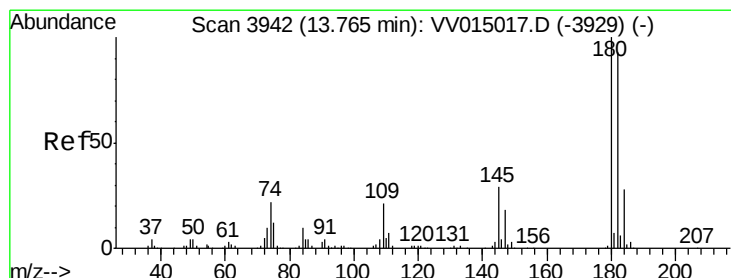
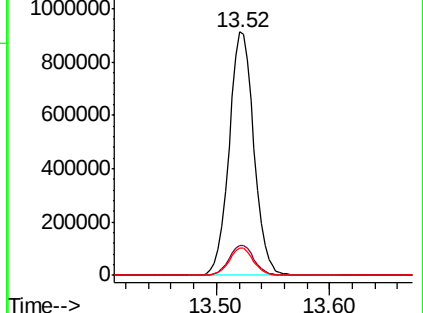
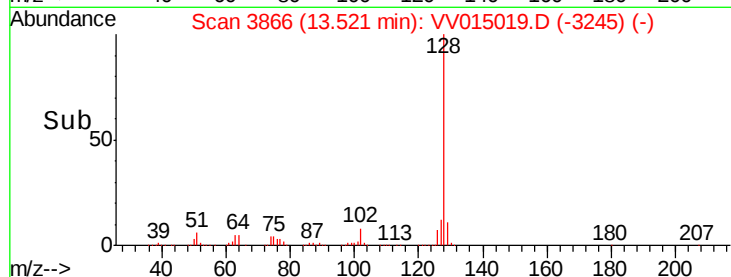
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 218.893 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV015019.D

Acq: 18 Mar 2020 15:14

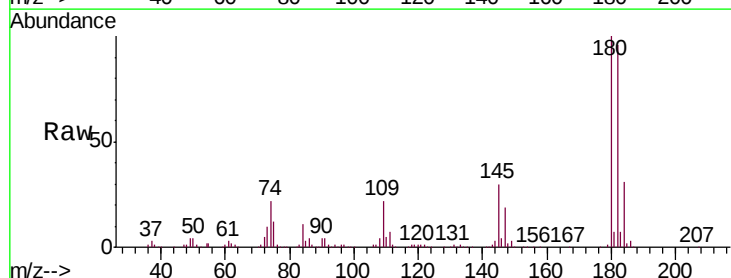
Tgt Ion:180 Resp: 962499

Ion Ratio Lower Upper

180 100

182 96.5 75.5 113.3

145 29.9 23.5 35.3



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

