

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016652.D
 Acq On : 08 Jun 2020 11:50
 Operator : SY/MD
 Sample : VSTD20061
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

Quant Time: Jun 09 00:31:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 00:27:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	392531	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	364567	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	195407	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	561189	199.19	ug/L	0.00
7) Chloroethane-d5	1.56	69	278646	141.93	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	933657	188.69	ug/L	0.00
21) 2-Butanone-d5	3.89	46	887126	471.63	ug/L	0.00
24) Chloroform-d	4.37	84	1150821	213.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	781919	216.61	ug/L	0.00
32) Benzene-d6	5.07	84	2172790	216.83	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	675631	215.43	ug/L	0.00
41) Toluene-d8	7.34	98	1998157	218.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	380416	247.82	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	678509	498.85	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	900856	212.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	834459	217.35	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	591002	177.914	ug/L	99
3) Chloromethane	1.25	50	533364	169.592	ug/L	99
5) Vinyl chloride	1.32	62	550220	178.753	ug/L	98
6) Bromomethane	1.52	94	212924	140.514	ug/L	100
8) Chloroethane	1.58	64	222667	132.514	ug/L	98
9) Trichlorofluoromethane	1.75	101	809462	181.508	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	402365	174.976	ug/L	98
12) 1,1-Dichloroethene	2.13	96	373603	170.308	ug/L	93
13) Acetone	2.18	43	528831	320.662	ug/L	100
14) Carbon disulfide	2.30	76	1434345	187.202	ug/L	100
15) Methyl Acetate	2.44	43	605060	192.836	ug/L	99
16) Methylene chloride	2.52	84	537164	171.265	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	507864	181.089	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	1737910	196.606	ug/L	100
19) 1,1-Dichloroethane	3.21	63	967660	185.040	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	570701	187.780	ug/L	99
22) 2-Butanone	3.98	43	875866	409.673	ug/L	98
23) Bromochloromethane	4.27	128	294353	187.735	ug/L	97
25) Chloroform	4.40	83	1009198	185.045	ug/L	98
27) 1,2-Dichloroethane	5.15	62	847592	190.121	ug/L	99
29) Cyclohexane	4.70	56	889223	198.182	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	936539	203.295	ug/L	99
31) Carbon tetrachloride	4.85	117	828717	207.912	ug/L	98
33) Benzene	5.12	78	2099157	190.587	ug/L	100
34) Trichloroethene	5.94	95	561962	193.530	ug/L	99
35) Methylcyclohexane	6.15	83	906273	214.198	ug/L	98
37) 1,2-Dichloropropane	6.20	63	556804	193.979	ug/L	100
38) Bromodichloromethane	6.53	83	770079	206.811	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	945506	223.287	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	1671501	417.424	ug/L	100

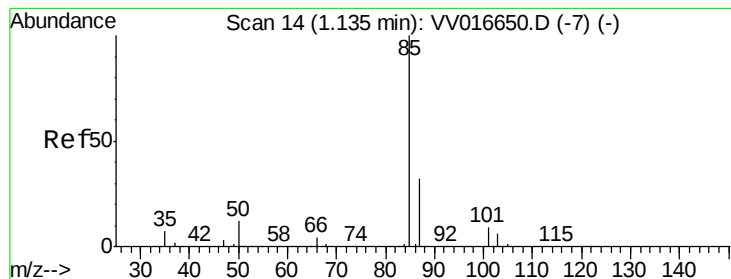
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 00:27:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2248775	192.984	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	920586	220.785	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	525642	189.570	ug/L	99
46) Tetrachloroethene	8.00	164	446729	198.882	ug/L	99
48) 2-Hexanone	8.16	43	1293586	416.007	ug/L	99
49) Dibromochloromethane	8.27	129	616244	223.255	ug/L	100
50) 1,2-Dibromoethane	8.37	107	568638	194.091	ug/L	100
51) Chlorobenzene	8.90	112	1442502	188.407	ug/L	100
52) Ethylbenzene	9.03	91	2523144	197.463	ug/L	99
53) m,p-Xylene	9.16	106	940808	195.669	ug/L	100
54) o-xylene	9.57	106	908344	195.164	ug/L	99
55) Styrene	9.58	104	1591348	196.422	ug/L	100
56) Isopropylbenzene	9.95	105	2470128	202.337	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	829877	187.506	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	686992	190.849	ug/L	99
61) Bromoform	9.75	173	446753	250.057	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	1185019	188.639	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	1201560	185.103	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	1200382	189.333	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	216347	221.471	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	924577	214.537	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	889333	222.191	ug/L	99
69) Naphthalene	13.53	128	2600652	212.776	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	844927	219.987	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 177.914 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

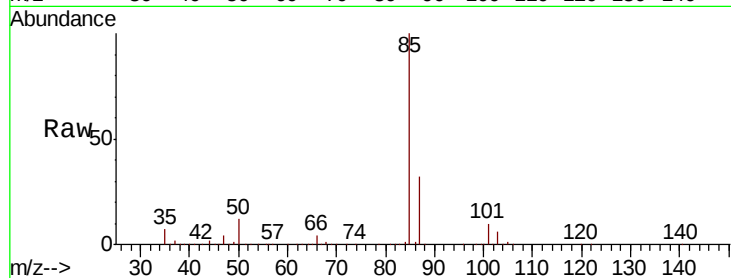
VSTD20061

Tot Ion: 85 Resp: 591002

Ion Ratio Lower Upper

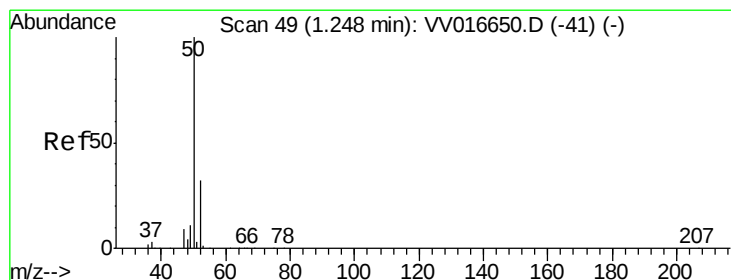
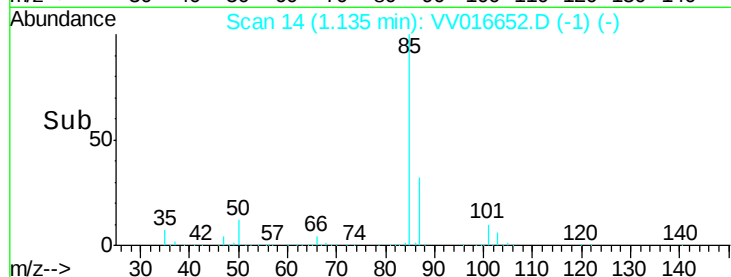
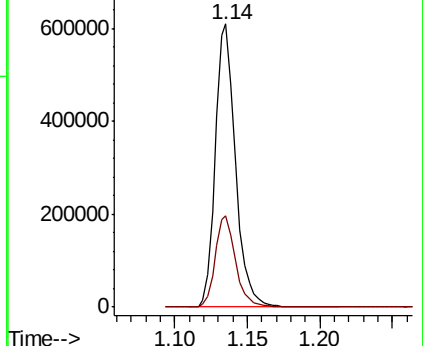
85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 169.592 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016652.D

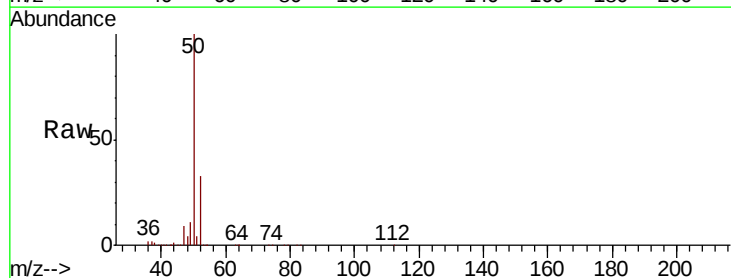
Acq: 08 Jun 2020 11:50

Tgt Ion: 50 Resp: 533364

Ion Ratio Lower Upper

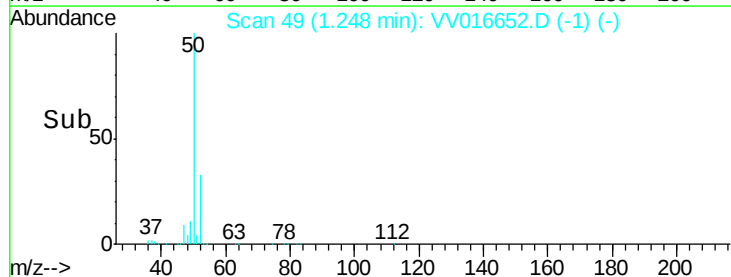
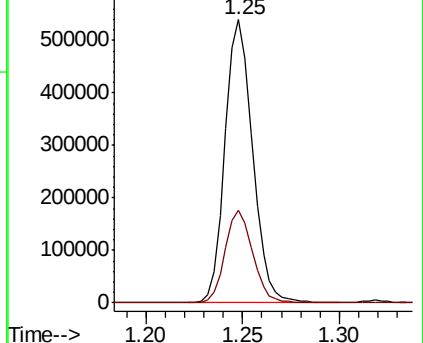
50 100

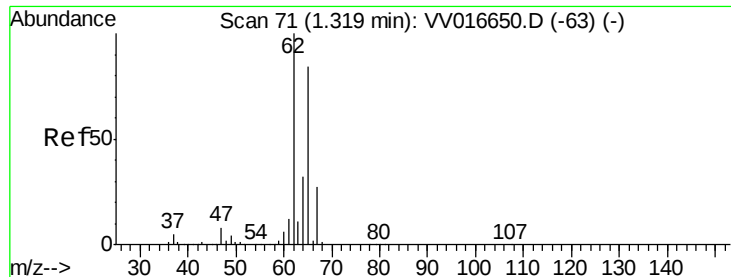
52 32.6 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 178.753 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

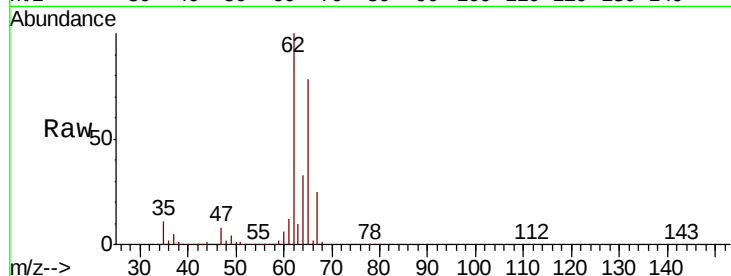
VSTD20061

Tot Ion: 62 Resp: 550220

Ion Ratio Lower Upper

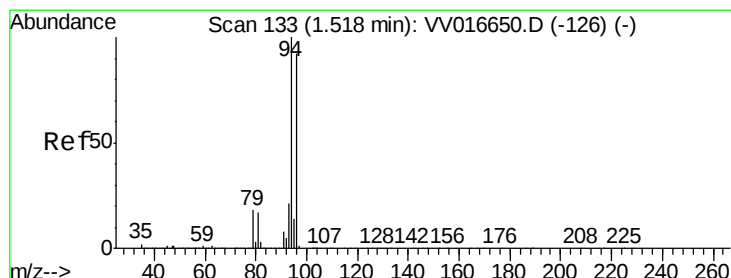
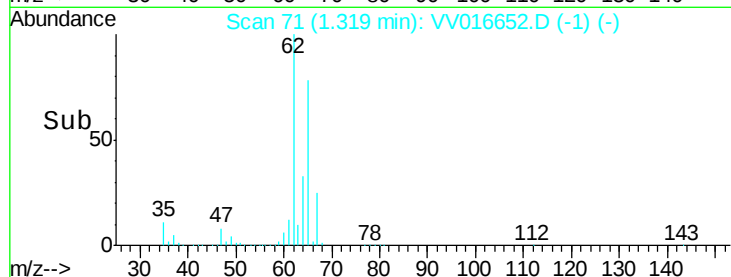
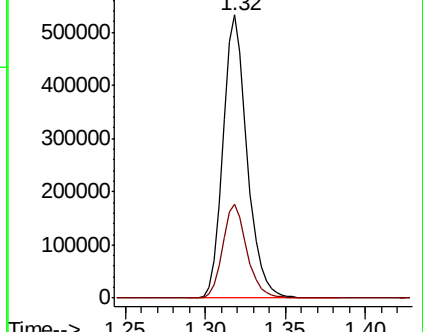
62 100

64 33.3 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 140.514 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV016652.D

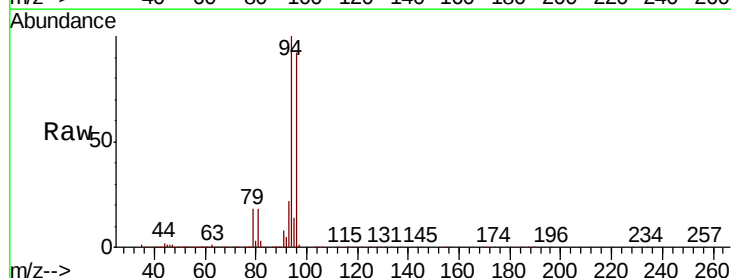
Acq: 08 Jun 2020 11:50

Tgt Ion: 94 Resp: 212924

Ion Ratio Lower Upper

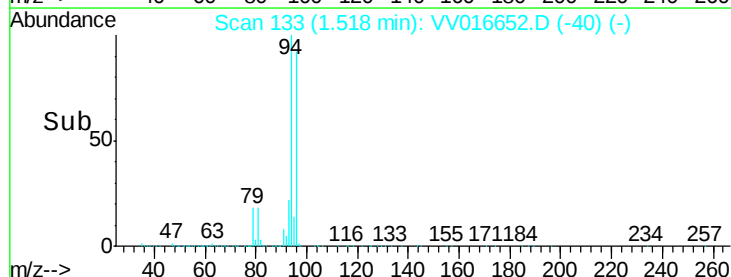
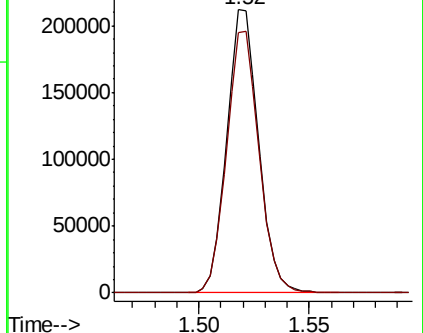
94 100

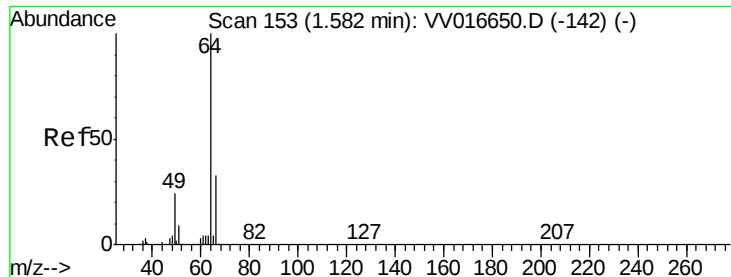
96 91.8 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 132.514 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.01 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

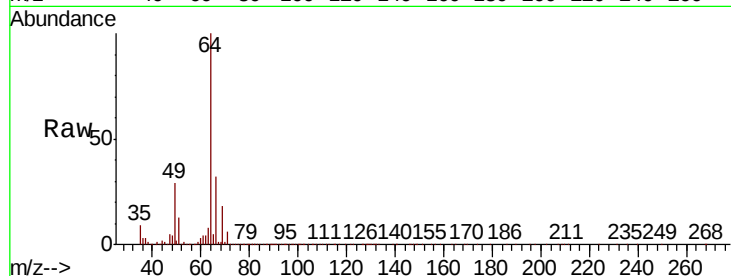
VSTD20061

Tot Ion: 64 Resp: 222667

Ion Ratio Lower Upper

64 100

66 32.0 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV016650.D (-142) (-)

Ion 66.00 (65.70 to 66.70): VV016652.D (-29) (-)

1.58

200000

150000

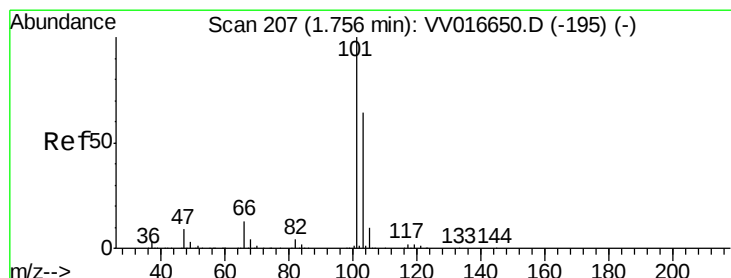
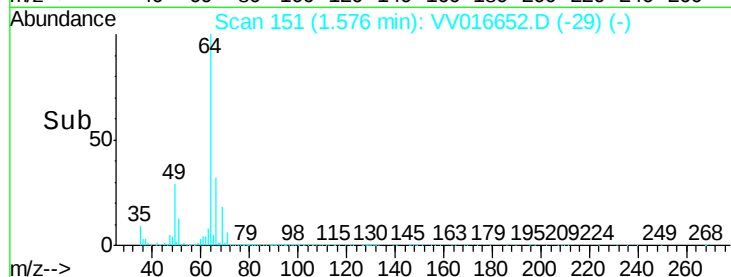
100000

50000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 181.508 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.00 min

Lab File: VV016652.D

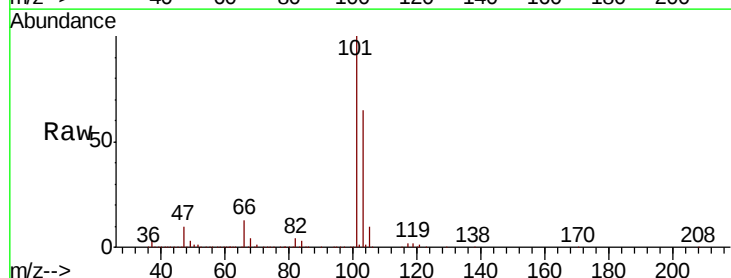
Acq: 08 Jun 2020 11:50

Tgt Ion: 101 Resp: 809462

Ion Ratio Lower Upper

101 100

103 64.5 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV016650.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV016652.D (-83) (-)

1.75

600000

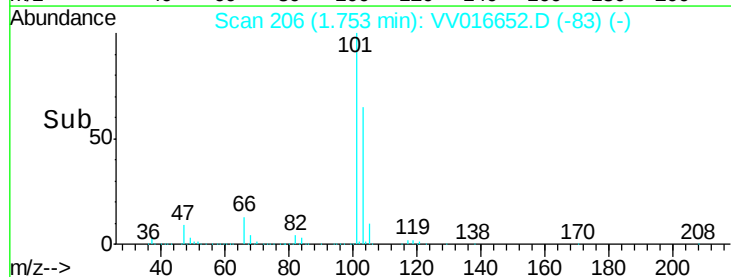
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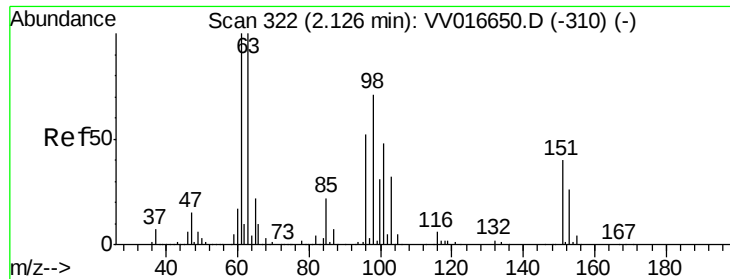
200000

0

1.65 1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 174.976 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

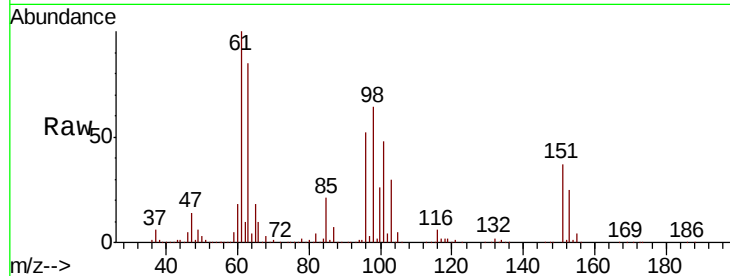
Tot Ion:101 Resp: 402365

Ion Ratio Lower Upper

101 100

85 44.1 35.5 53.3

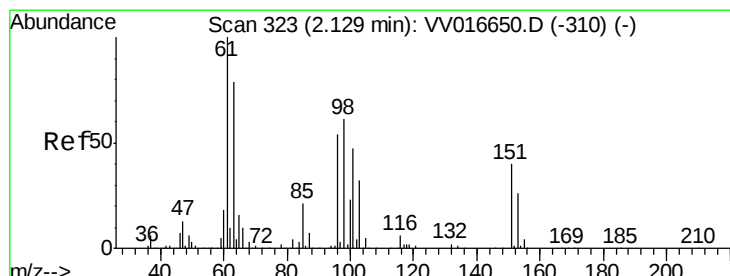
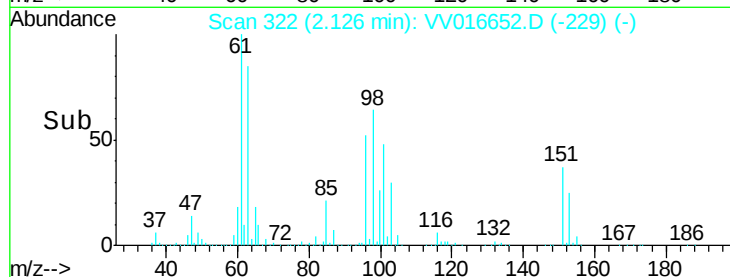
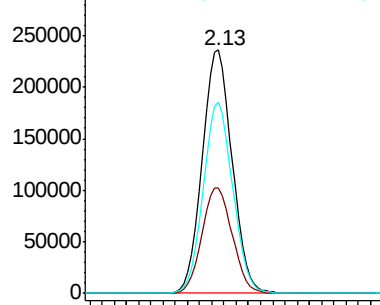
151 77.4 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 170.308 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

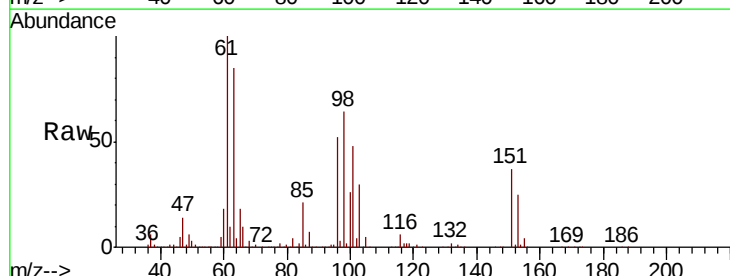
Tgt Ion: 96 Resp: 373603

Ion Ratio Lower Upper

96 100

61 190.8 130.4 242.2

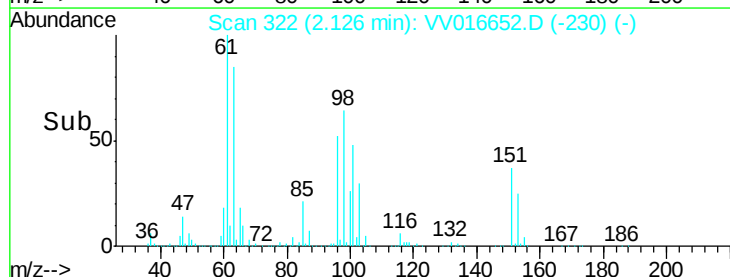
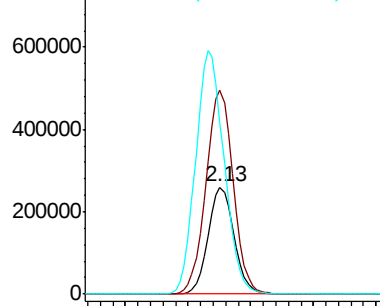
63 161.4 103.3 191.9

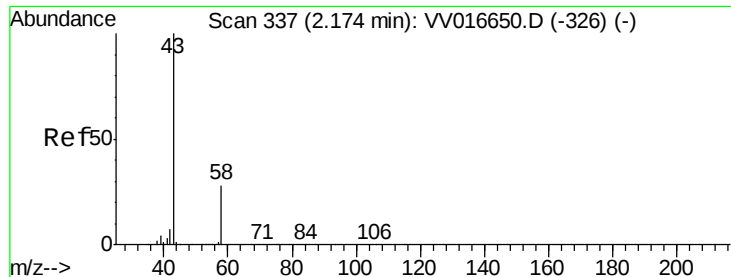


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 320.662 ug/L

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

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ClientSampleId :

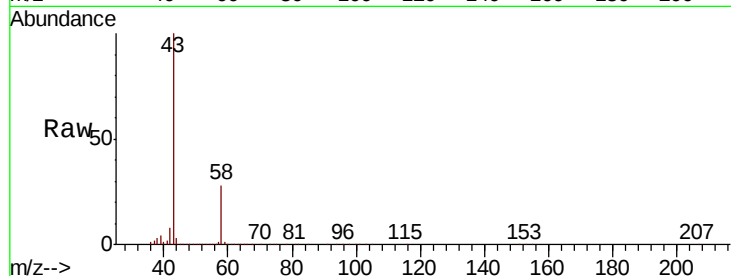
VSTD20061

Tot Ion: 43 Resp: 528831

Ion Ratio Lower Upper

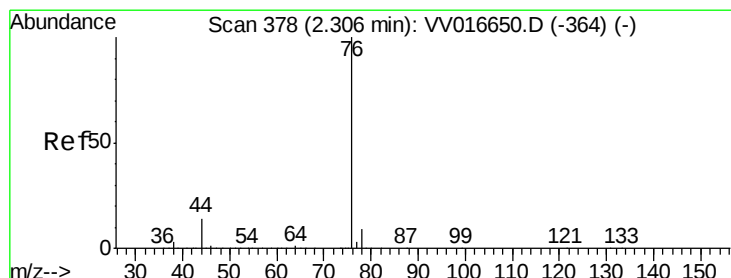
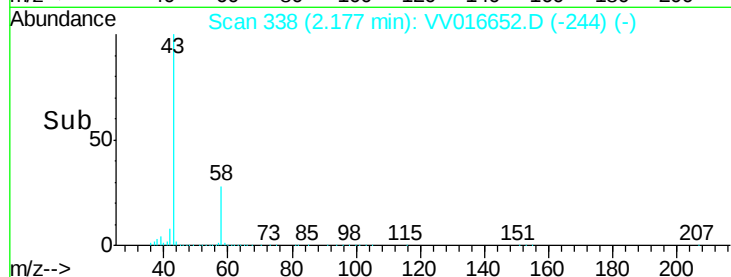
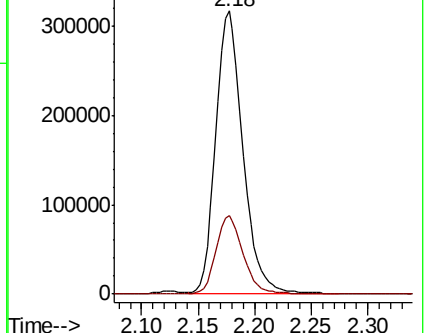
43 100

58 27.7 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016652.D (-244) (-)

Ion 58.00 (57.70 to 58.70): VV016652.D (-244) (-)



#14

Carbon disulfide

Concen: 187.202 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV016652.D

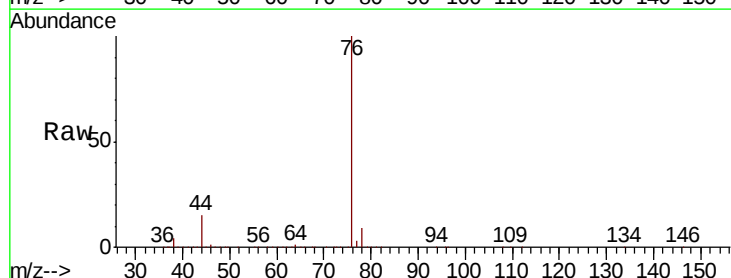
Acq: 08 Jun 2020 11:50

Tgt Ion: 76 Resp: 1434345

Ion Ratio Lower Upper

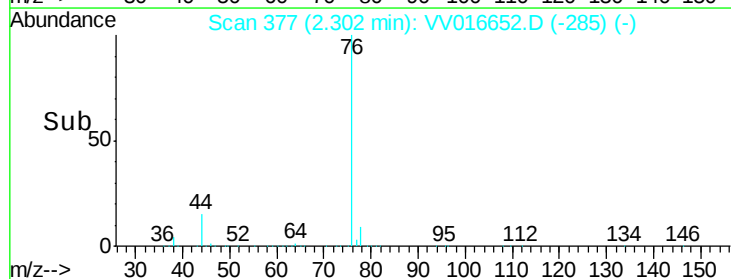
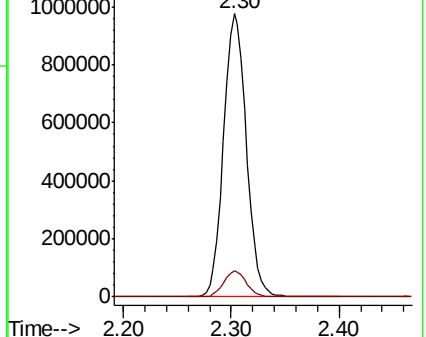
76 100

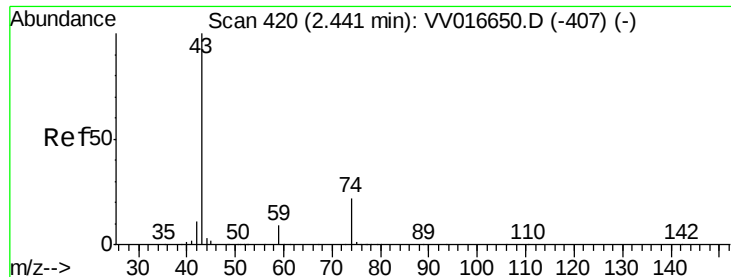
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV016652.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV016652.D (-285) (-)

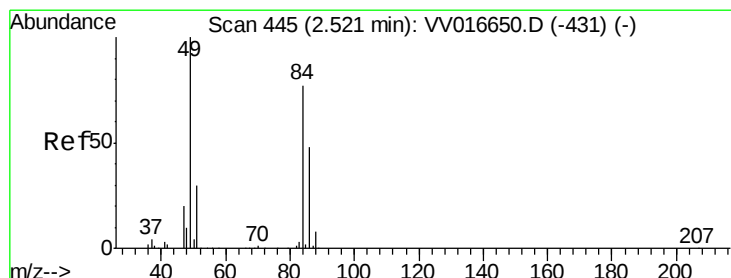
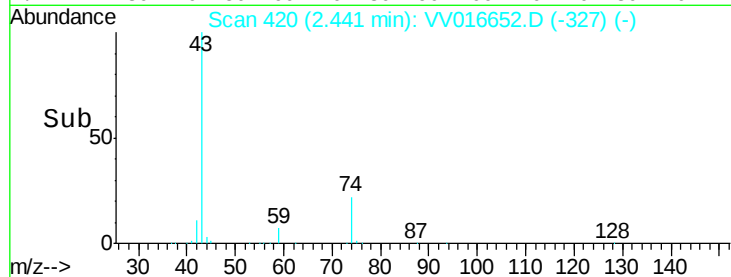
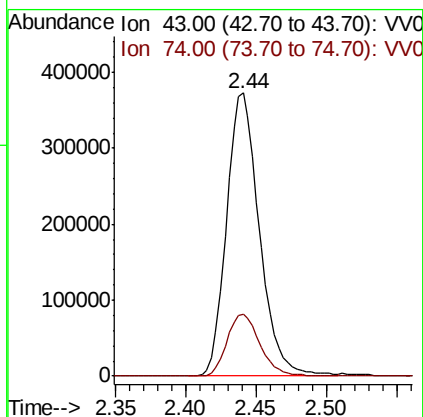
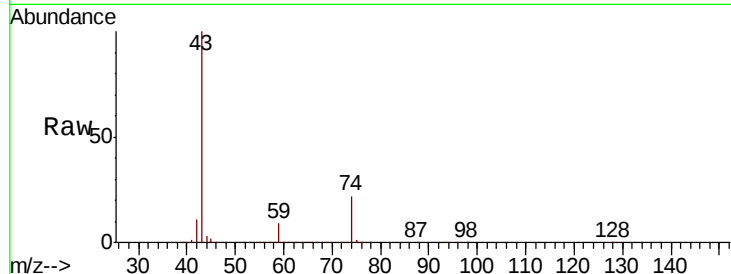




#15
Methvl Acetate
Concen: 192.836 ug/L
RT: 2.44 min Scan# 420
Delta R.T. -0.00 min
Lab File: VV016652.D
Acq: 08 Jun 2020 11:50

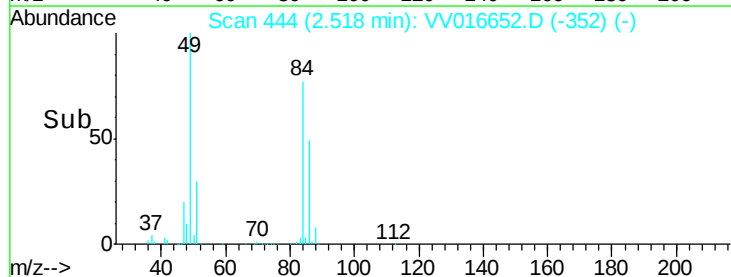
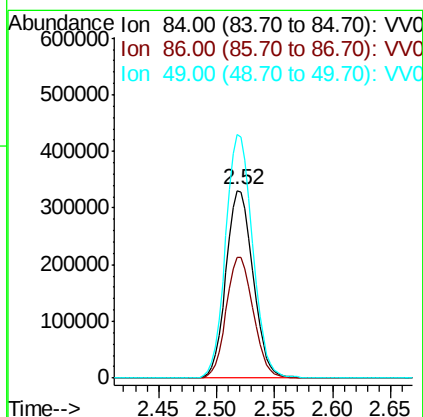
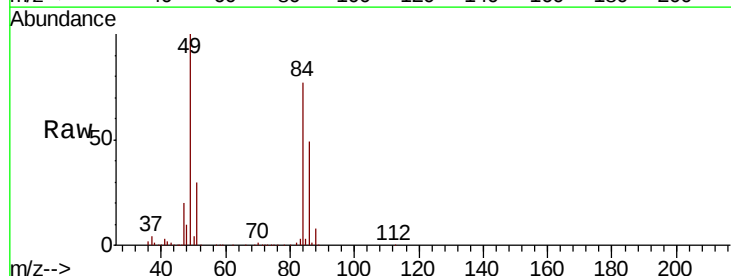
Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

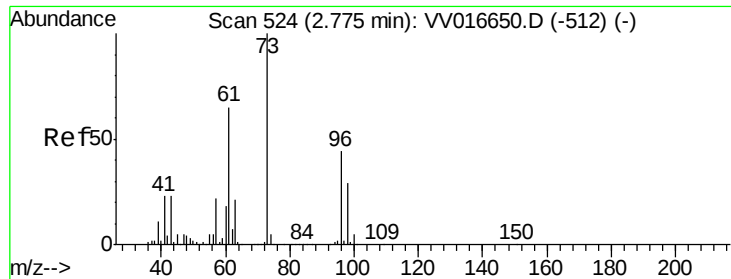
Tot Ion: 43 Resp: 605060
Ion Ratio Lower Upper
43 100
74 22.1 17.9 26.9



#16
Methylene chloride
Concen: 171.265 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV016652.D
Acq: 08 Jun 2020 11:50

Tgt Ion: 84 Resp: 537164
Ion Ratio Lower Upper
84 100
86 64.1 44.0 81.8
49 129.8 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 181.089 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampled :

VSTD20061

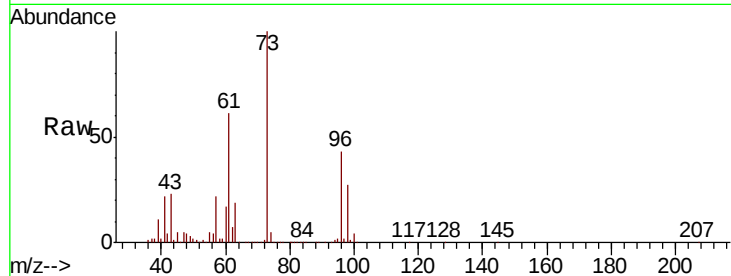
Tot Ion: 96 Resp: 507864

Ion Ratio Lower Upper

96 100

61 143.3 102.9 191.1

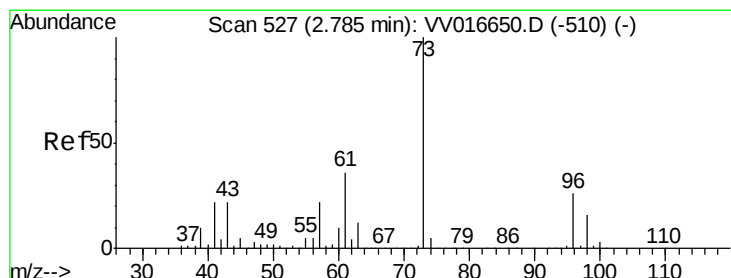
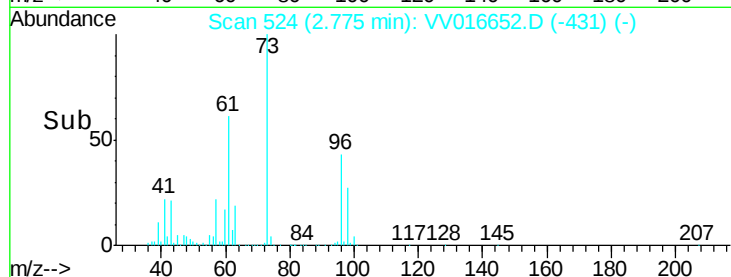
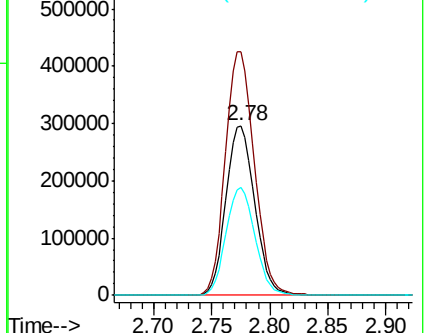
98 63.7 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 196.606 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

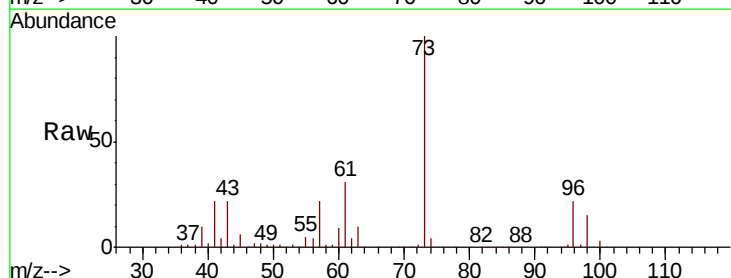
Tgt Ion: 73 Resp: 1737910

Ion Ratio Lower Upper

73 100

43 22.3 17.8 26.6

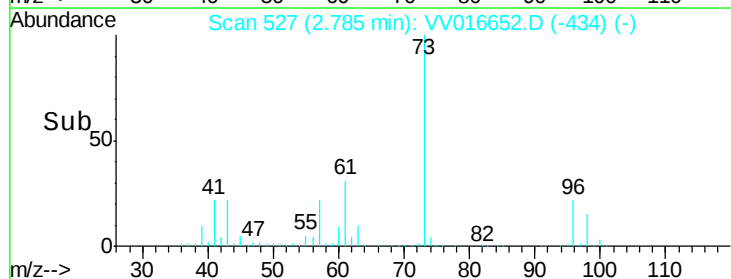
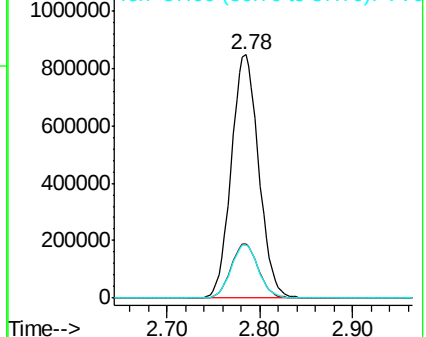
57 21.9 17.7 26.5

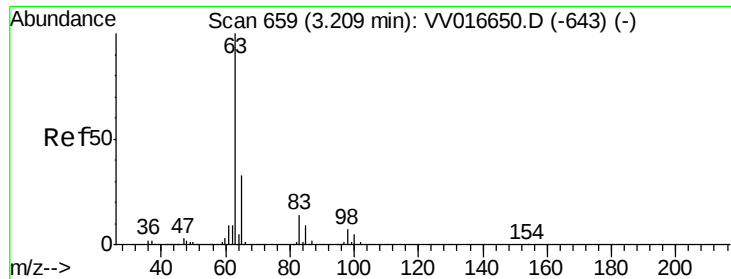


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

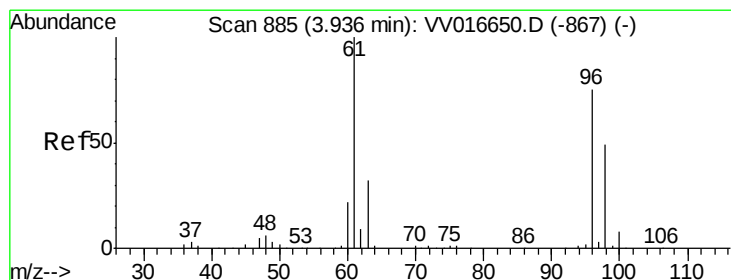
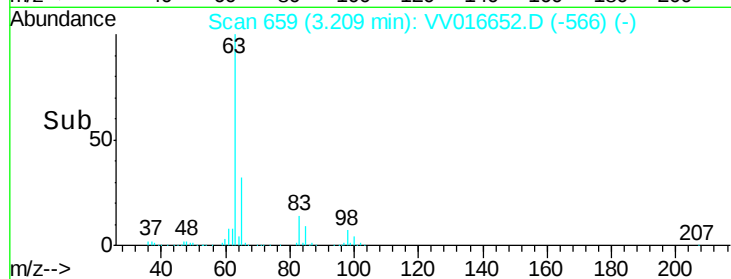
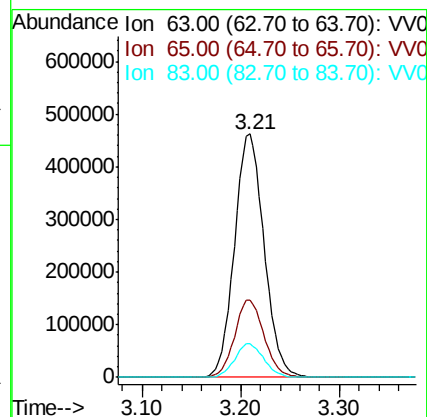
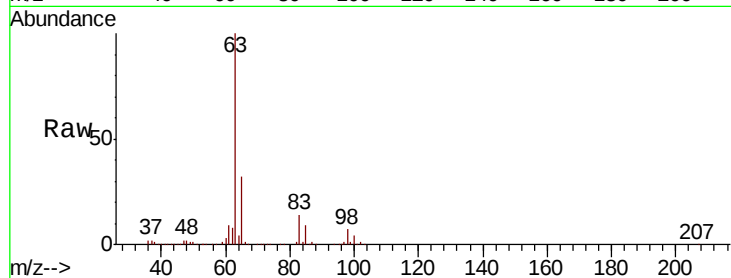




#19
 1,1-Dichloroethane
 Concen: 185.040 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016652.D
 Acq: 08 Jun 2020 11:50

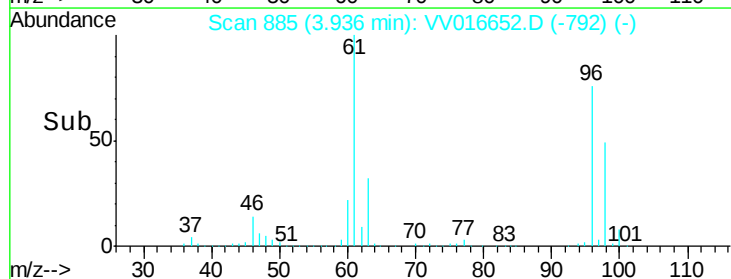
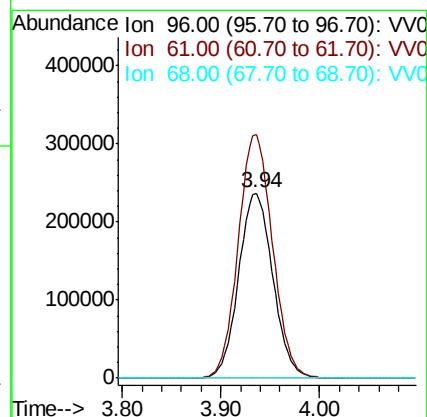
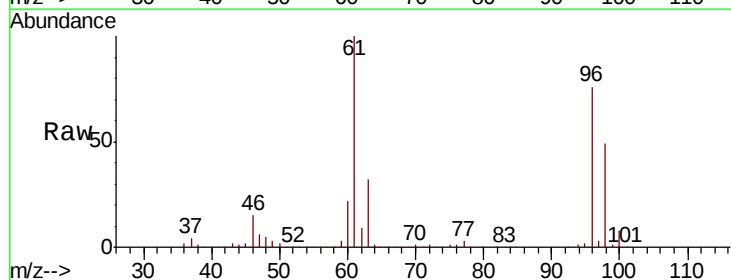
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

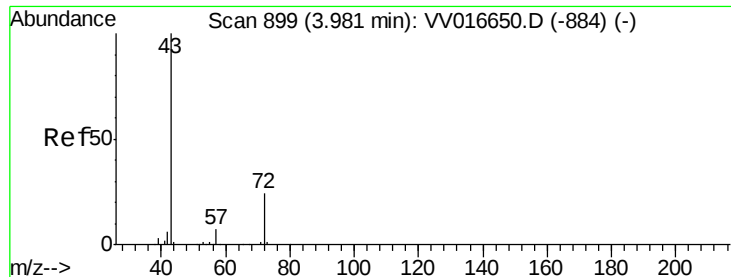
Tot Ion: 63 Resp: 967660
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.2 43.0
 83 13.6 10.0 18.6



#20
 cis-1,2-Dichloroethene
 Concen: 187.780 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV016652.D
 Acq: 08 Jun 2020 11:50

Tgt Ion: 96 Resp: 570701
 Ion Ratio Lower Upper
 96 100
 61 131.8 93.4 173.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 409.673 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

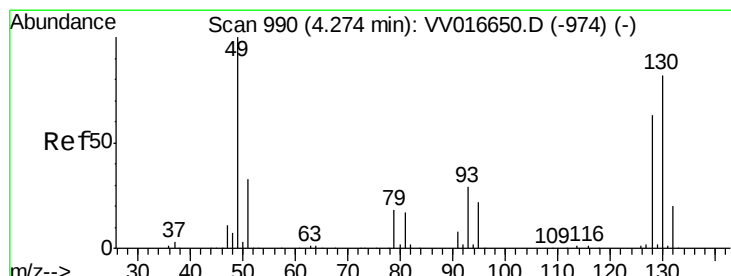
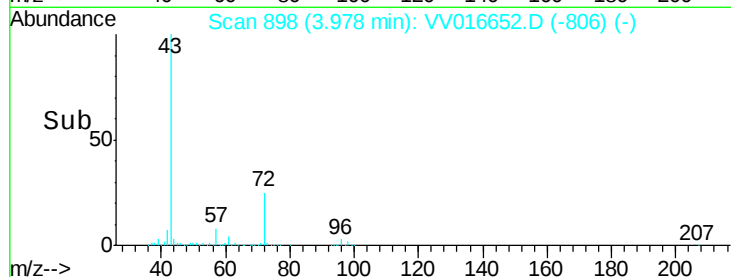
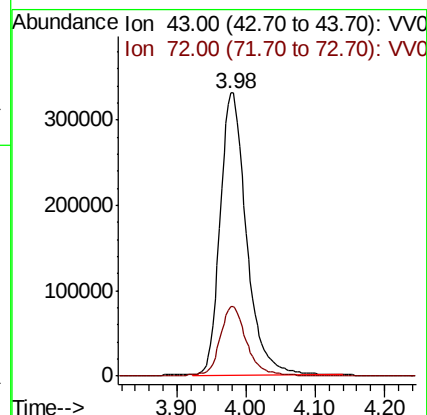
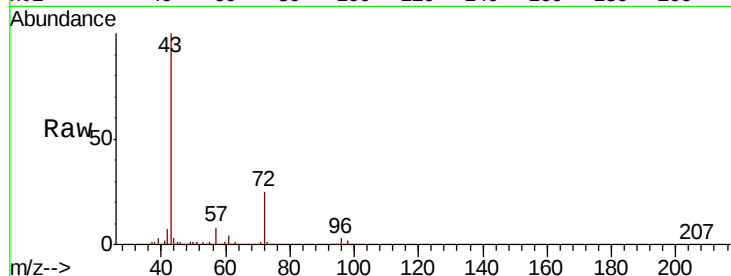
VSTD20061

Tot Ion: 43 Resp: 875866

Ion Ratio Lower Upper

43 100

72 25.7 12.4 37.4



#23

Bromochloromethane

Concen: 187.735 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Tgt Ion:128 Resp: 294353

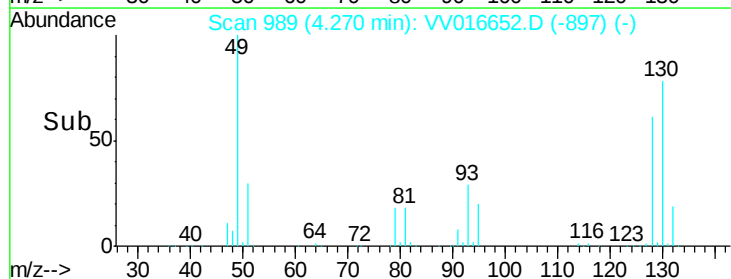
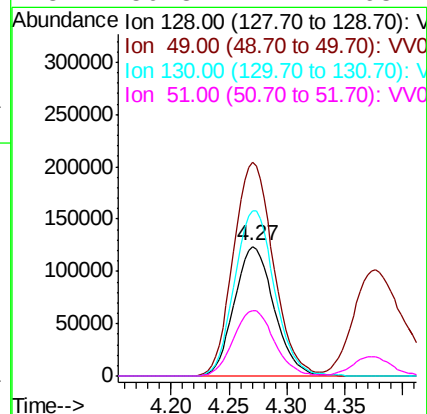
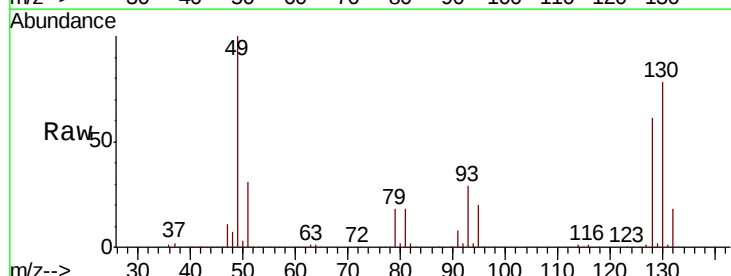
Ion Ratio Lower Upper

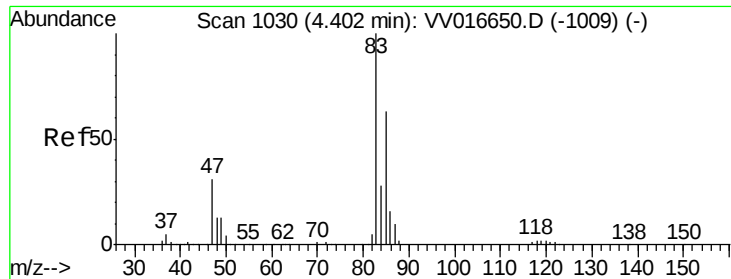
128 100

49 164.5 111.9 207.9

130 127.5 91.5 169.9

51 50.8 42.1 63.1





#25

Chloroform

Concen: 185.045 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

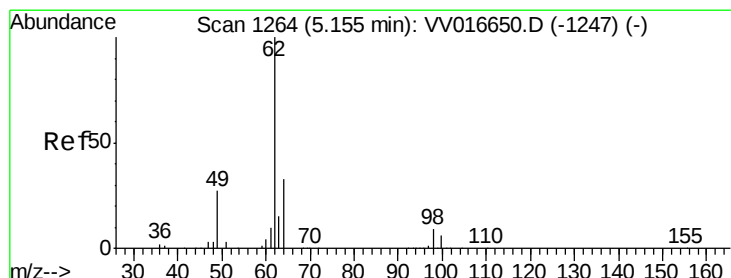
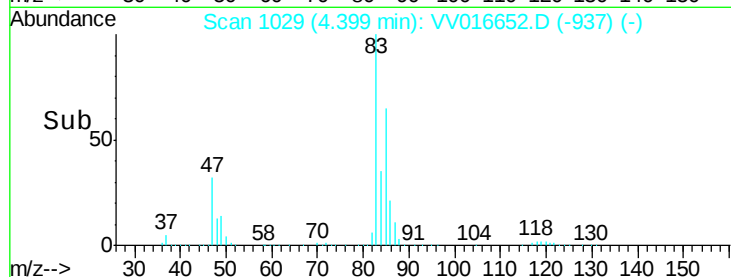
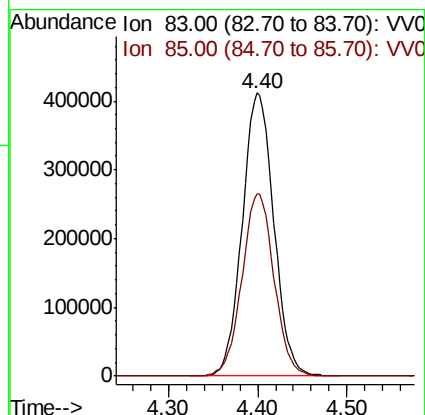
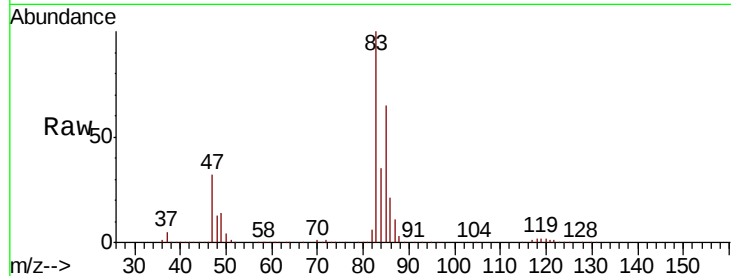
VSTD20061

Tot Ion: 83 Resp: 1009198

Ion Ratio Lower Upper

83 100

85 64.6 44.1 81.9



#27

1,2-Dichloroethane

Concen: 190.121 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV016652.D

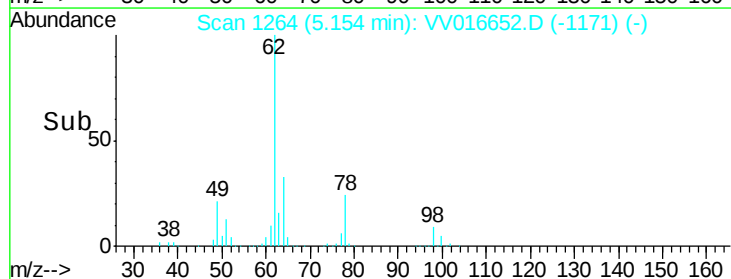
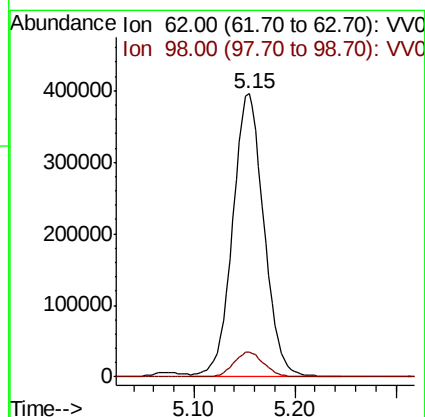
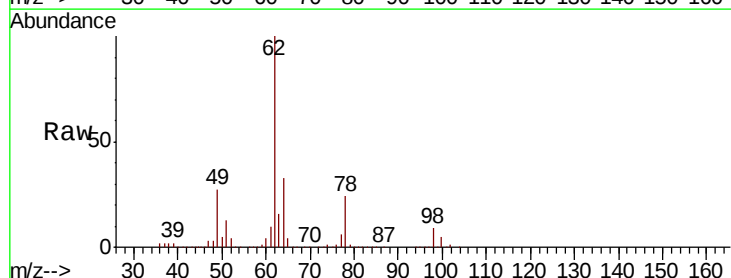
Acq: 08 Jun 2020 11:50

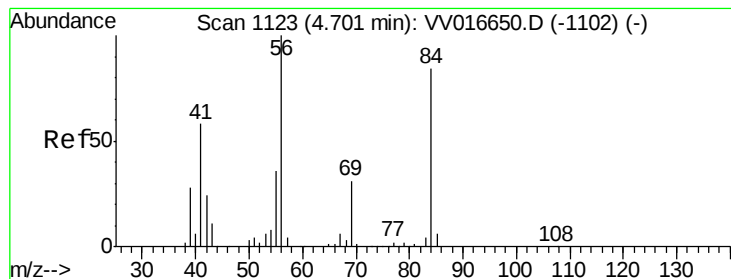
Tgt Ion: 62 Resp: 847592

Ion Ratio Lower Upper

62 100

98 8.8 7.4 11.2





#29

Cvclohexane

Concen: 198.182 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

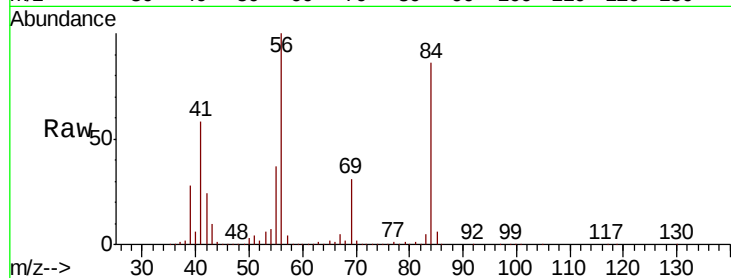
Tot Ion: 56 Resp: 889223

Ion Ratio Lower Upper

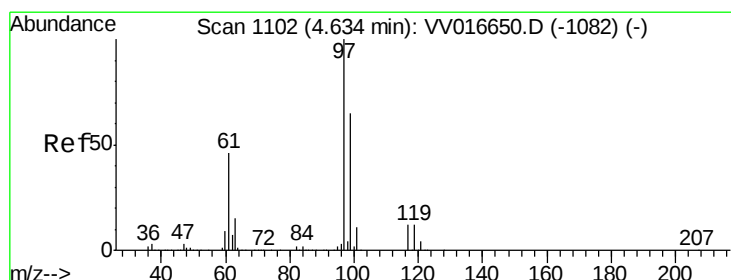
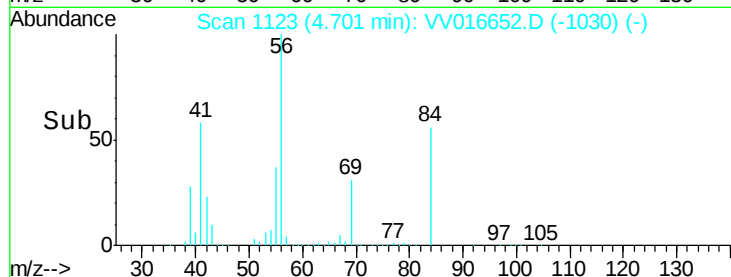
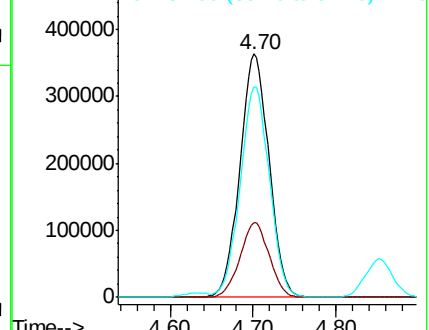
56 100

69 30.7 25.0 37.4

84 86.7 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 203.295 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

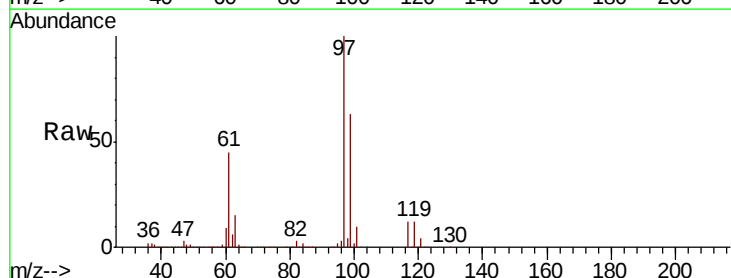
Tgt Ion: 97 Resp: 936539

Ion Ratio Lower Upper

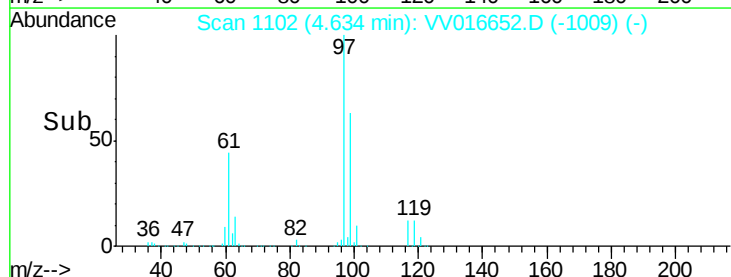
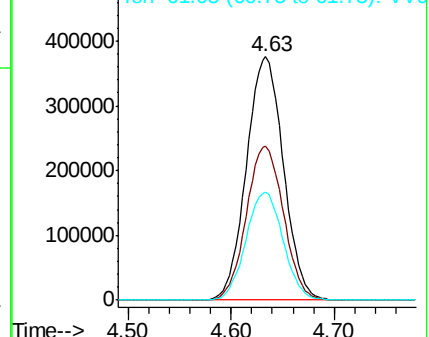
97 100

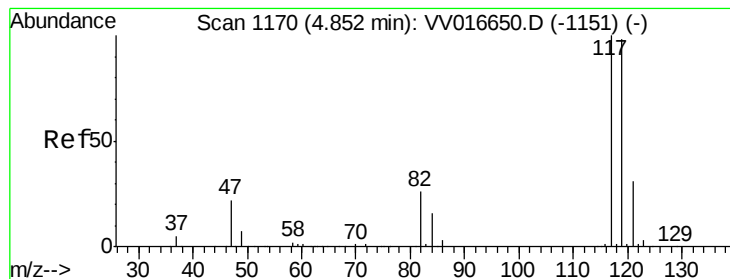
99 63.6 51.3 76.9

61 44.5 36.7 55.1



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 207.912 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

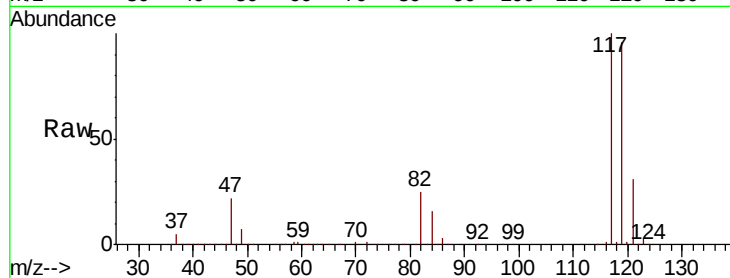
VSTD20061

Tot Ion:117 Resp: 828717

Ion Ratio Lower Upper

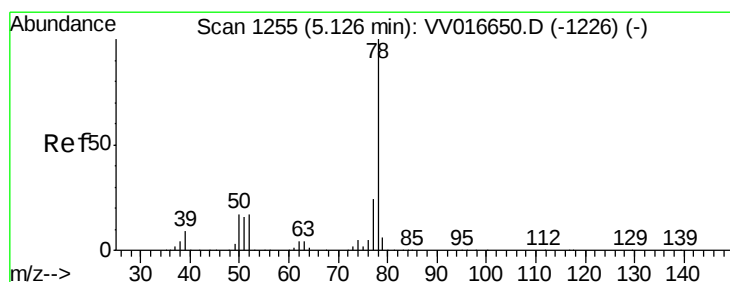
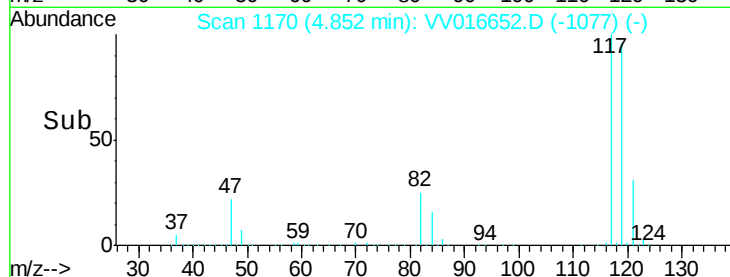
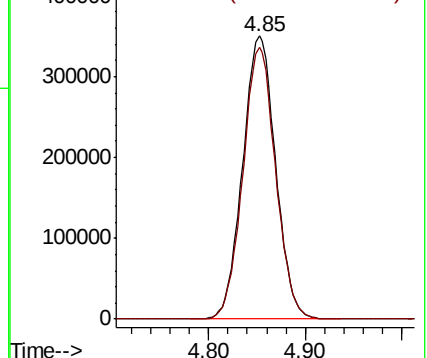
117 100

119 95.2 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 190.587 ug/L

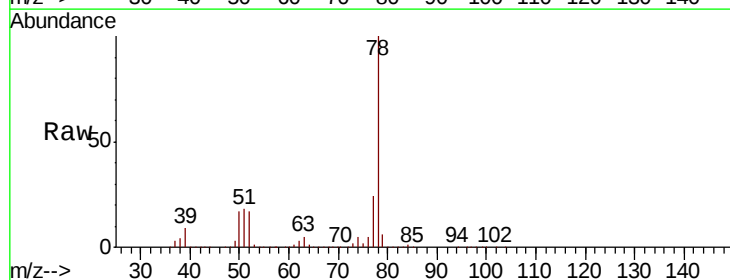
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

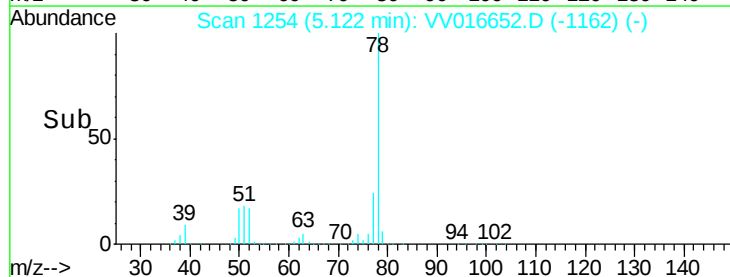
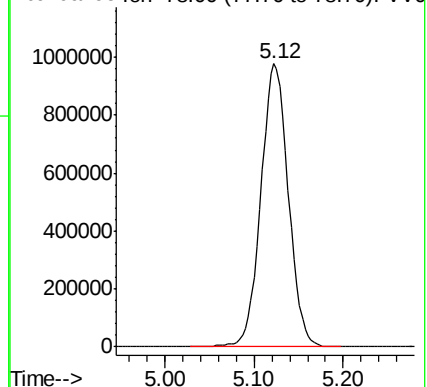
Lab File: VV016652.D

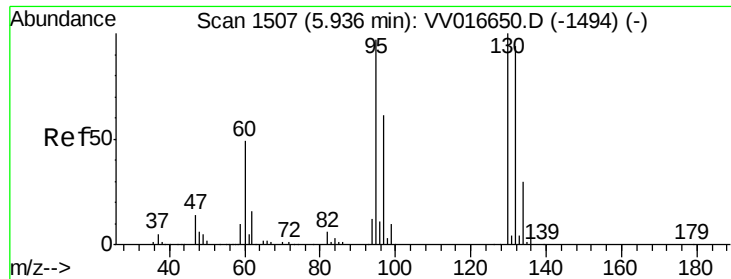
Acq: 08 Jun 2020 11:50

Tgt Ion: 78 Resp: 2099157



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 193.530 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

Tot Ion: 95 Resp: 561962

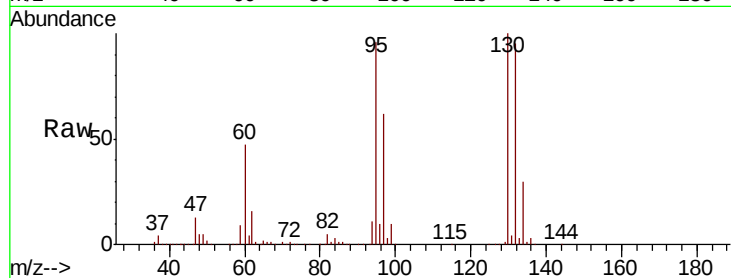
Ion Ratio Lower Upper

95 100

97 64.4 44.3 82.3

132 98.7 67.9 126.1

130 103.8 72.2 134.2

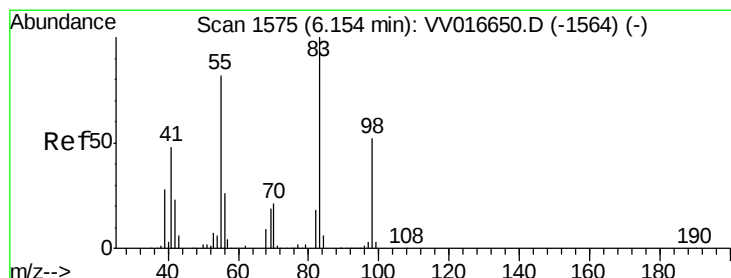
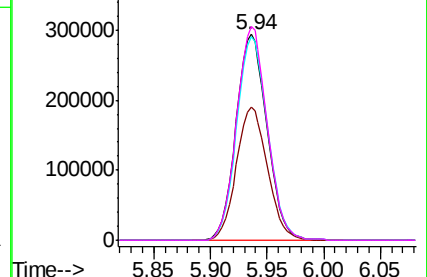
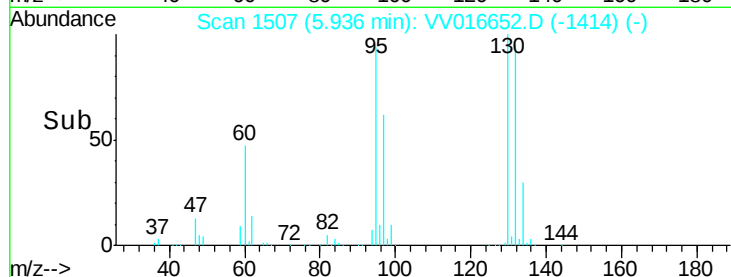


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 214.198 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

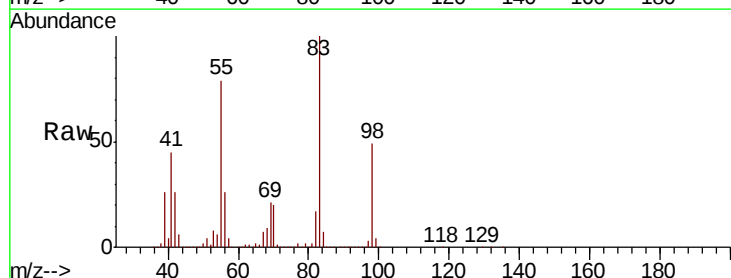
Tgt Ion: 83 Resp: 906273

Ion Ratio Lower Upper

83 100

55 78.4 64.2 96.2

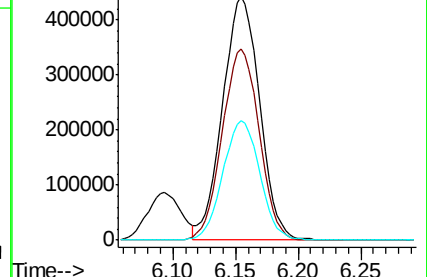
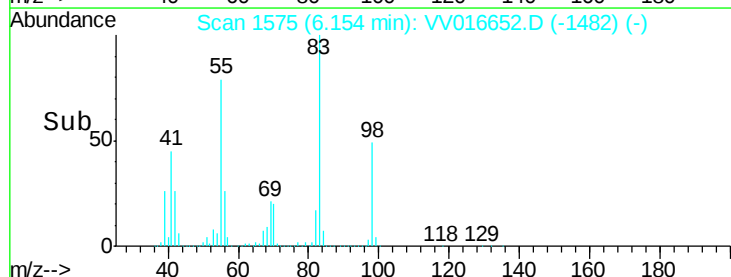
98 48.9 40.3 60.5

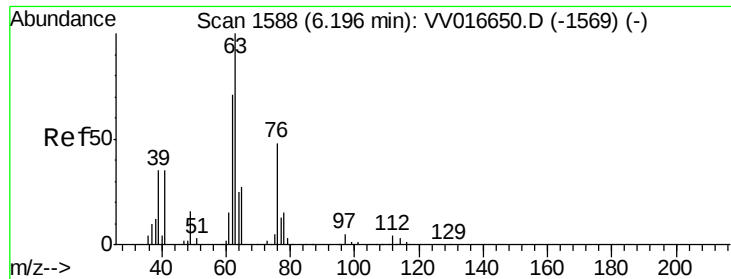


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

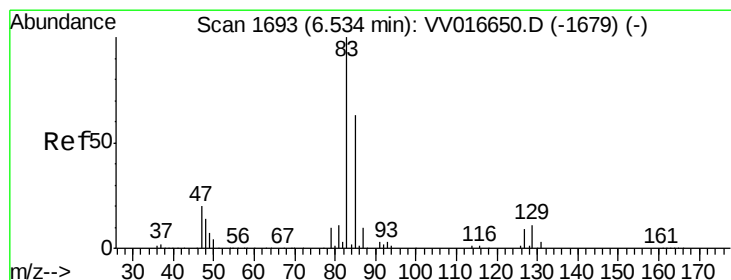
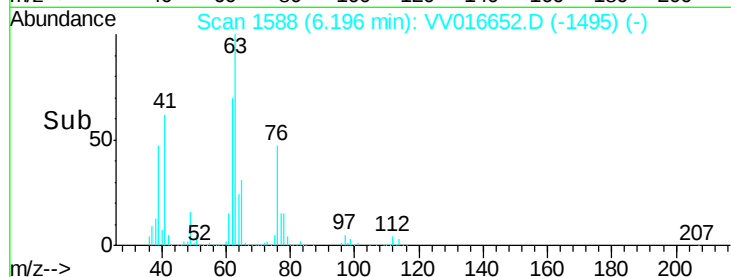
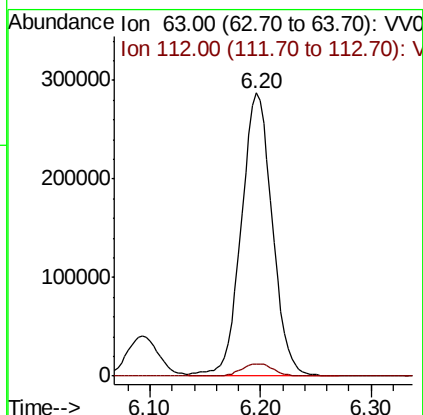
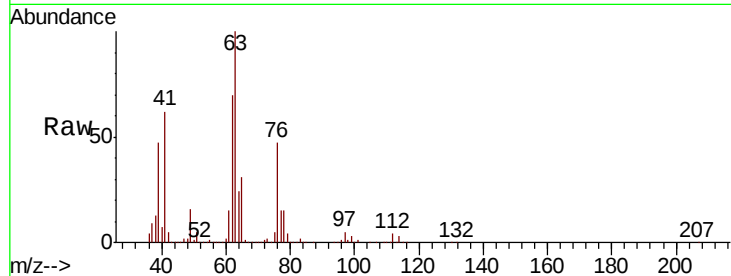




#37
 1,2-Dichloropropane
 Concen: 193.979 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV016652.D
 Acq: 08 Jun 2020 11:50

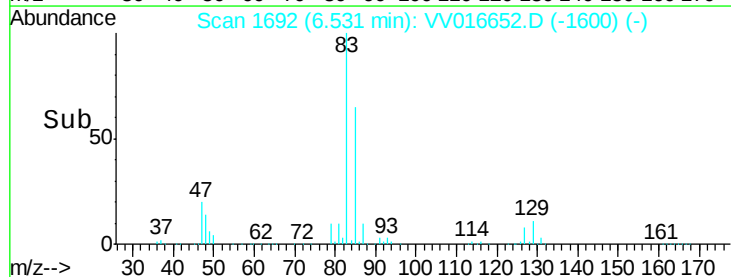
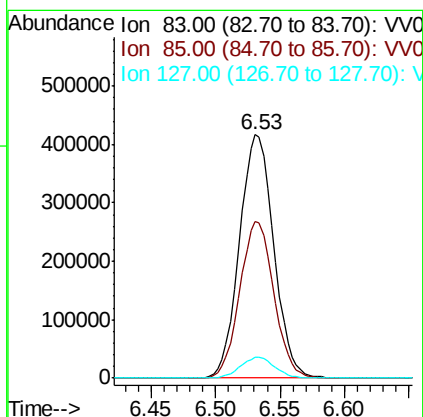
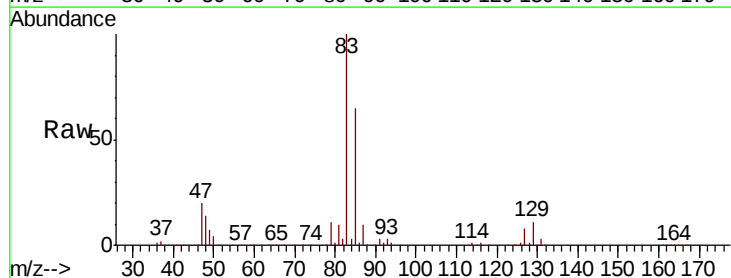
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

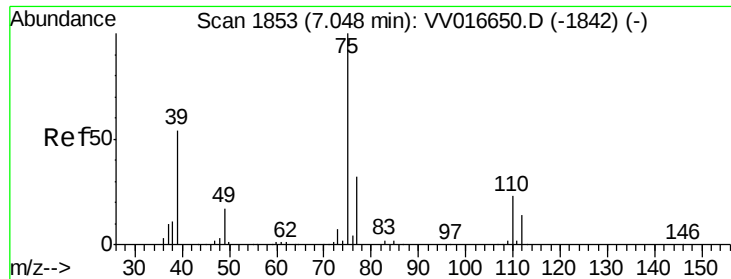
Tot Ion: 63 Resp: 556804
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.6



#38
 Bromodichloromethane
 Concen: 206.811 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV016652.D
 Acq: 08 Jun 2020 11:50

Tgt Ion: 83 Resp: 770079
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.4 82.5
 127 8.4 7.4 11.0

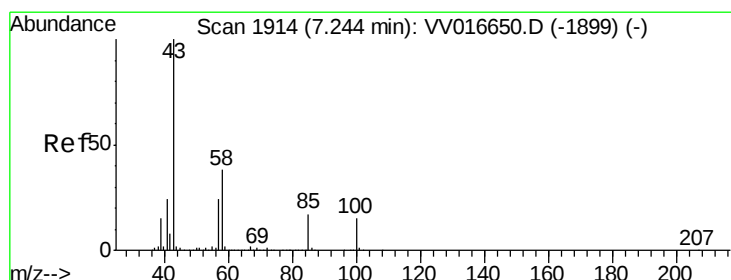
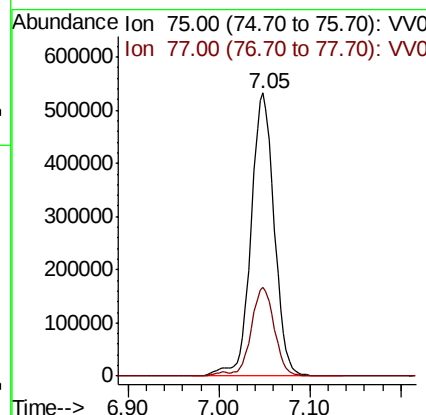
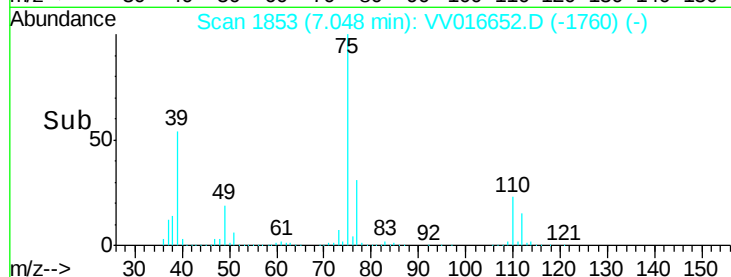
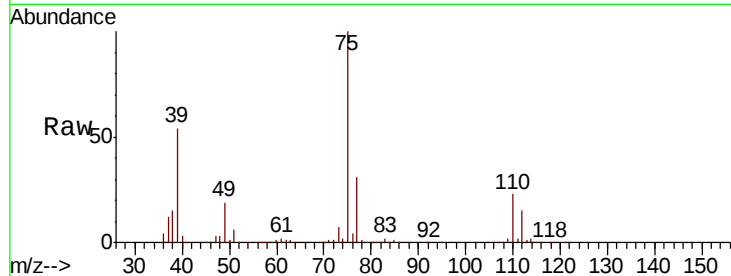




#39
 cis-1,3-Dichloropropene
 Concen: 223.287 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016652.D
 Acq: 08 Jun 2020 11:50

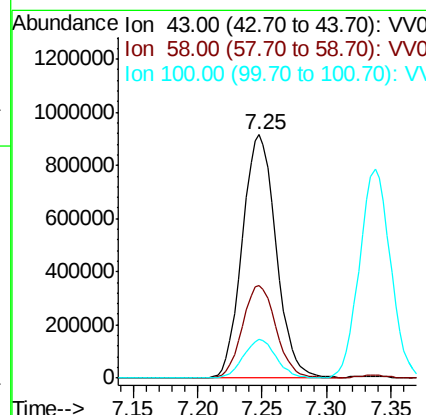
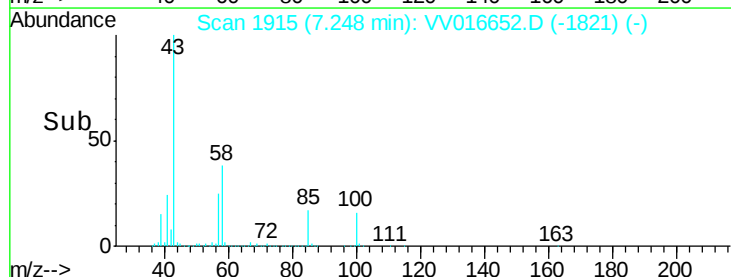
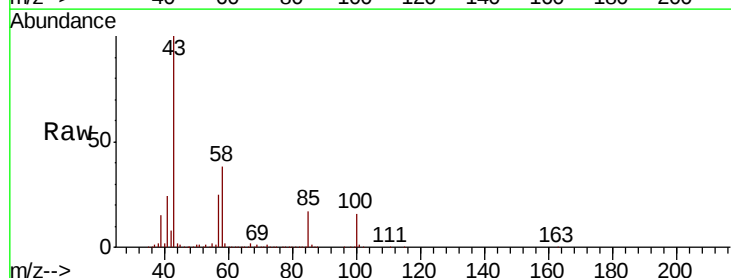
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20061

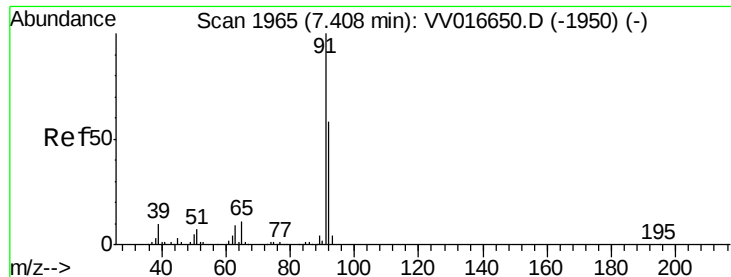
Tot Ion: 75 Resp: 945506
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 417.424 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV016652.D
 Acq: 08 Jun 2020 11:50

Tgt Ion: 43 Resp: 1671501
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.2 45.4
 100 15.4 12.3 18.5





#42

Toluene

Concen: 192.984 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

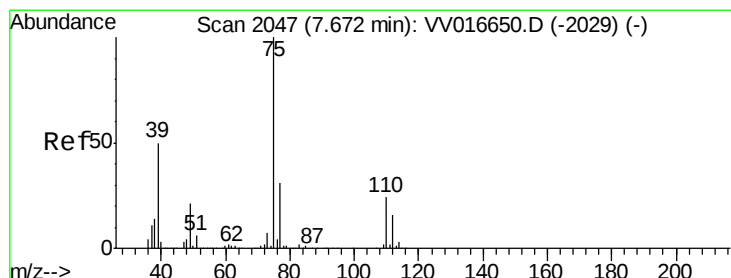
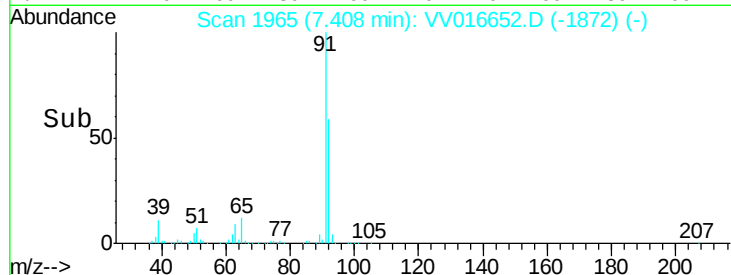
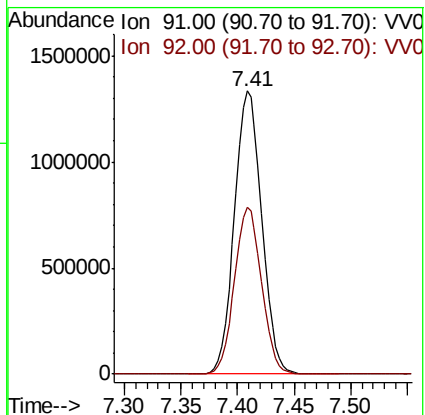
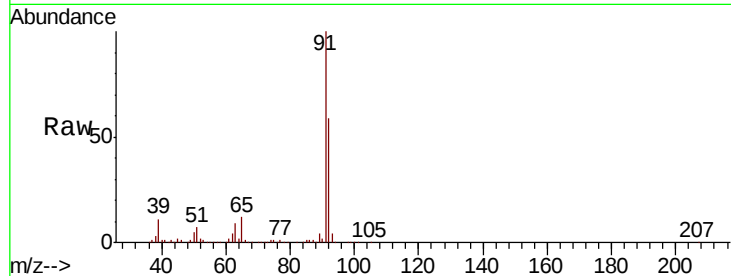
VSTD20061

Tot Ion: 91 Resp: 2248775

Ion Ratio Lower Upper

91 100

92 58.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 220.785 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV016652.D

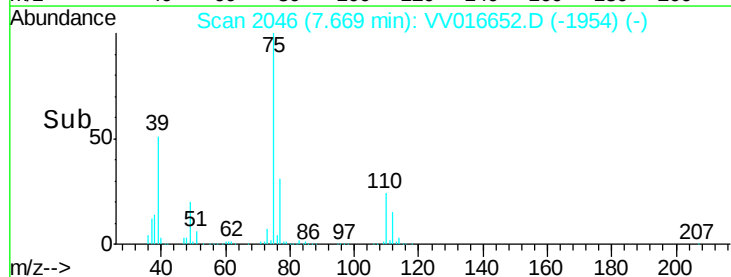
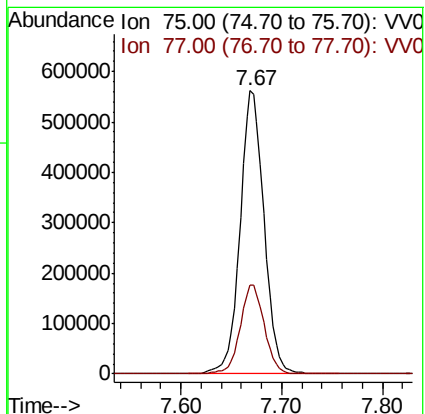
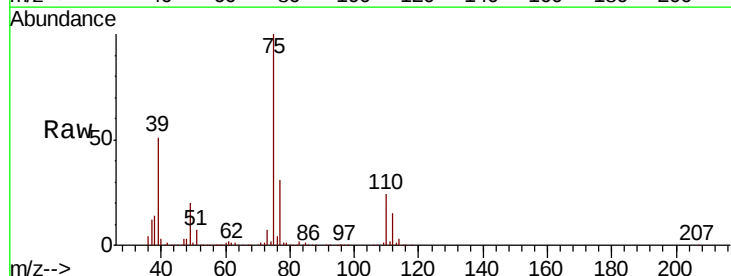
Acq: 08 Jun 2020 11:50

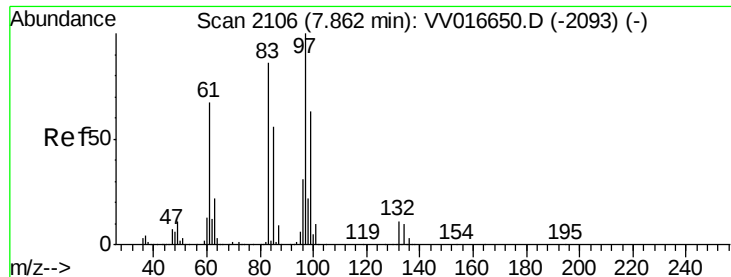
Tgt Ion: 75 Resp: 920586

Ion Ratio Lower Upper

75 100

77 31.3 21.7 40.3

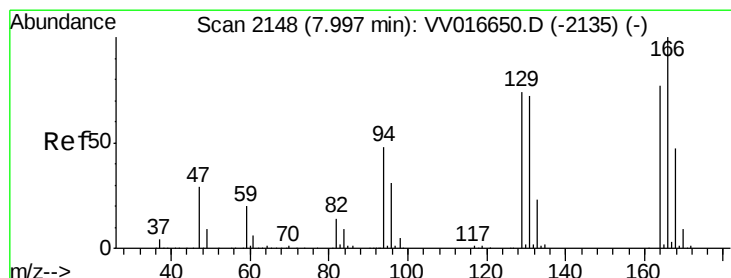
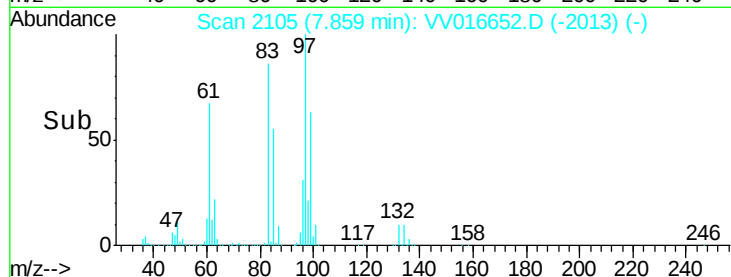
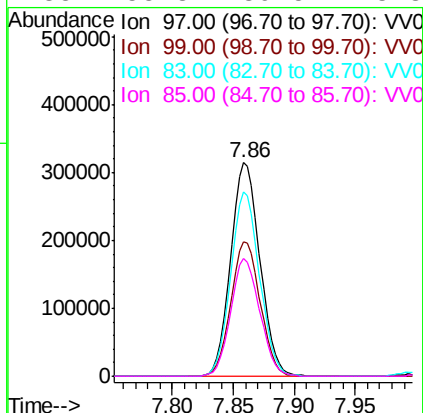
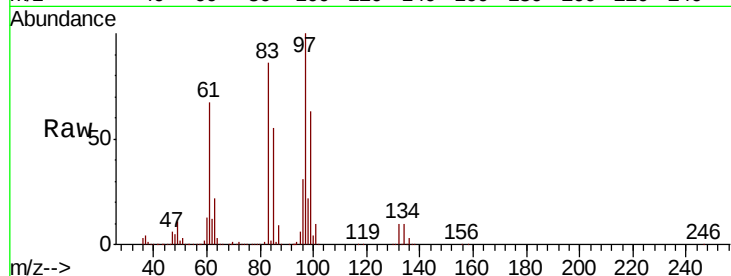




#45
 1,1,2-Trichloroethane
 Concen: 189.570 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV016652.D
 Acq: 08 Jun 2020 11:50

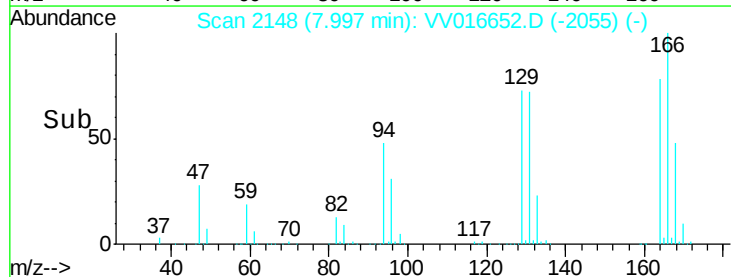
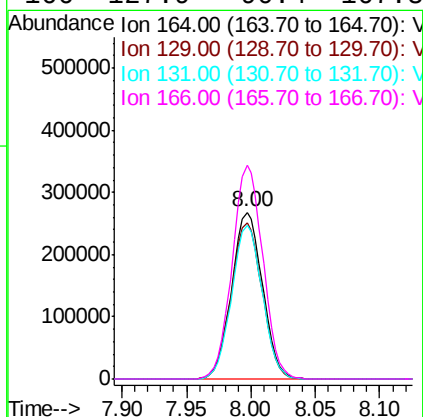
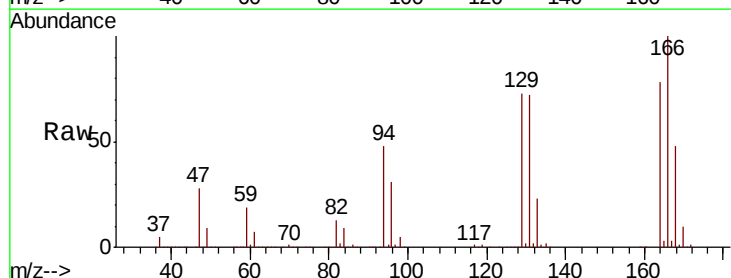
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

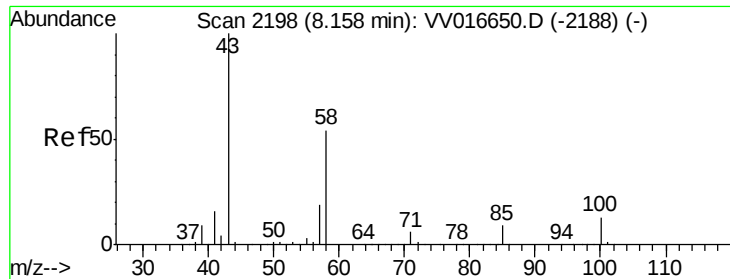
Tot Ion:	97	Resp:	525642
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.3	82.3
83	86.0	60.0	111.4
85	55.3	39.5	73.3



#46
 Tetrachloroethene
 Concen: 198.882 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV016652.D
 Acq: 08 Jun 2020 11:50

Tgt Ion:	164	Resp:	446729
Ion	Ratio	Lower	Upper
164	100		
129	93.8	67.0	124.4
131	91.8	64.8	120.3
166	127.9	90.4	167.8

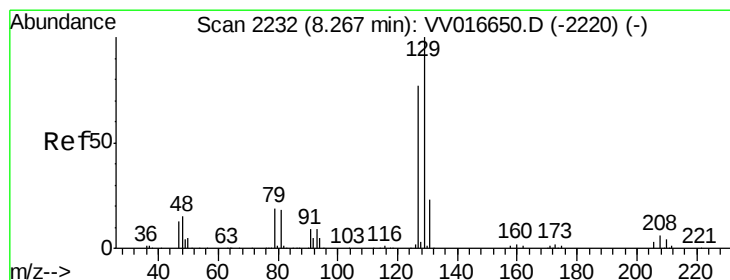
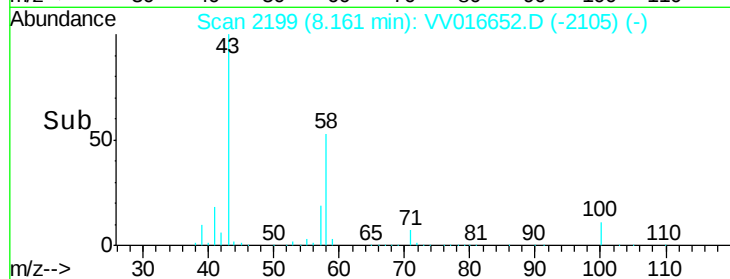
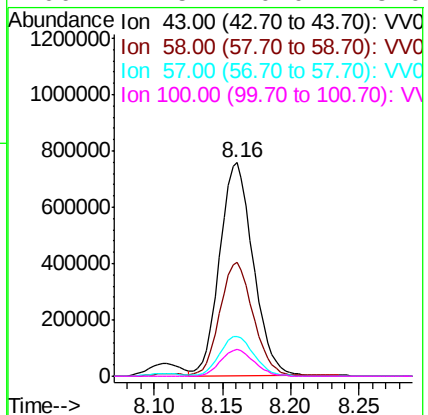
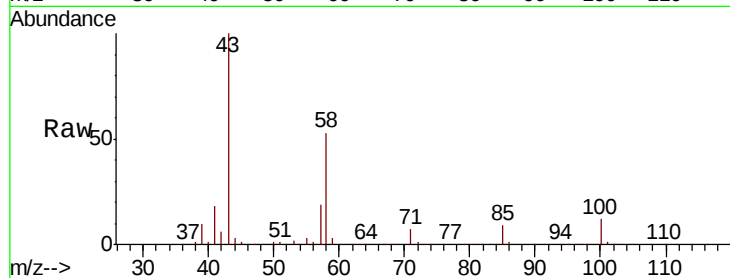




#48
2-Hexanone
Concen: 416.007 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV016652.D
Acq: 08 Jun 2020 11:50

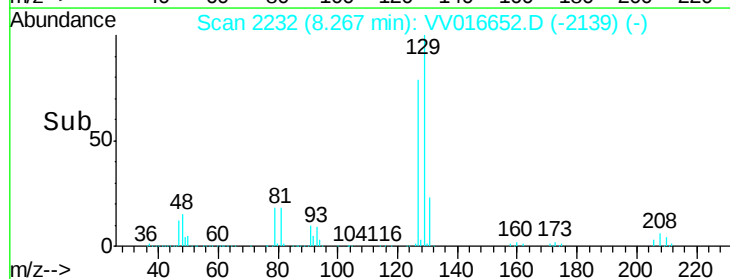
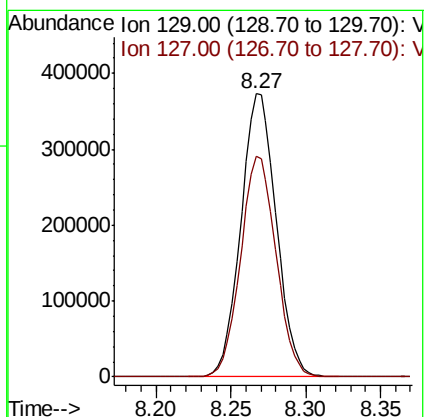
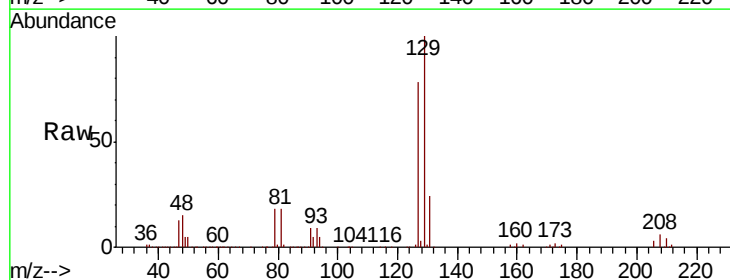
Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

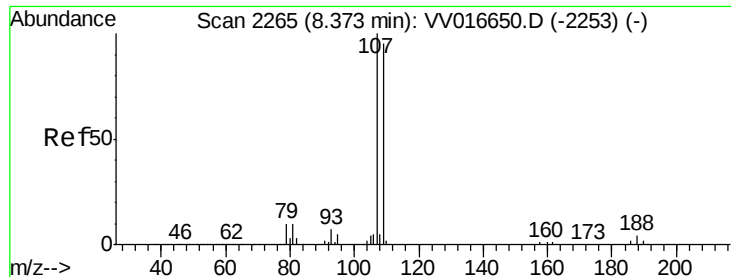
Tot Ion: 43 Resp: 1293586
Ion Ratio Lower Upper
43 100
58 53.0 43.1 64.7
57 18.9 15.3 22.9
100 12.5 10.0 15.0



#49
Dibromochloromethane
Concen: 223.255 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016652.D
Acq: 08 Jun 2020 11:50

Tgt Ion: 129 Resp: 616244
Ion Ratio Lower Upper
129 100
127 77.8 54.2 100.6

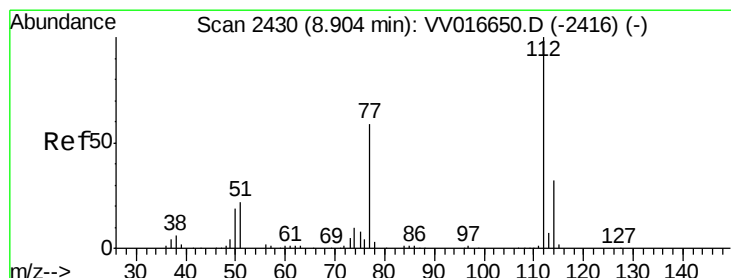
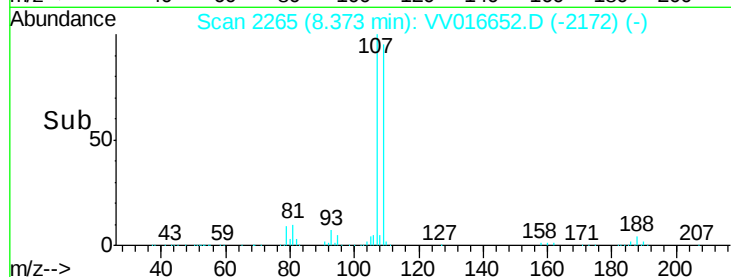
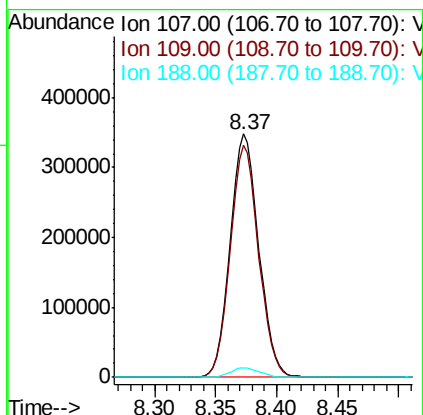
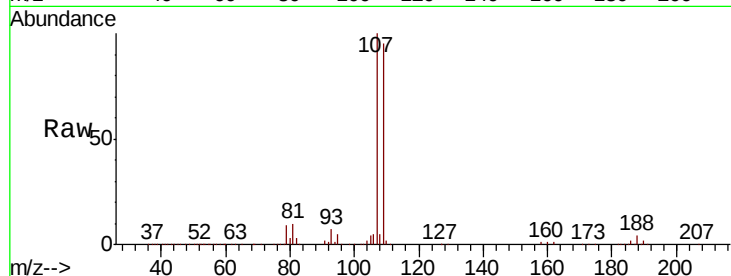




#50
 1,2-Dibromoethane
 Concen: 194.091 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV016652.D
 Acq: 08 Jun 2020 11:50

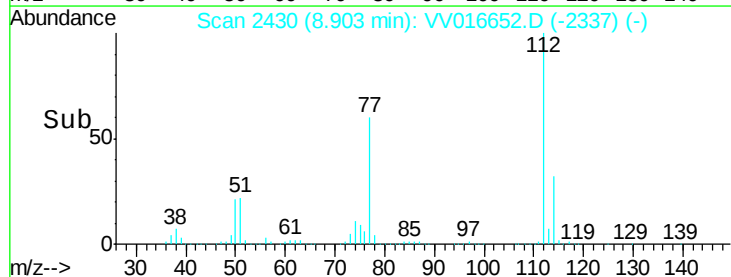
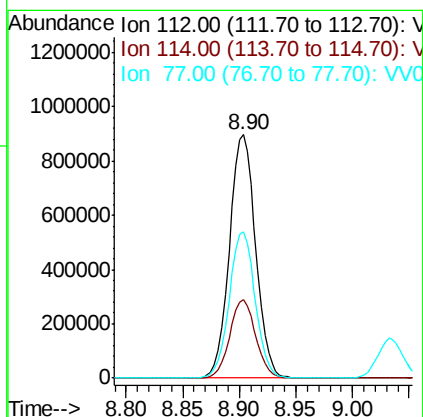
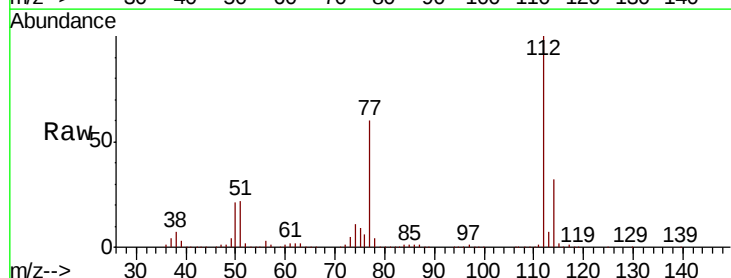
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

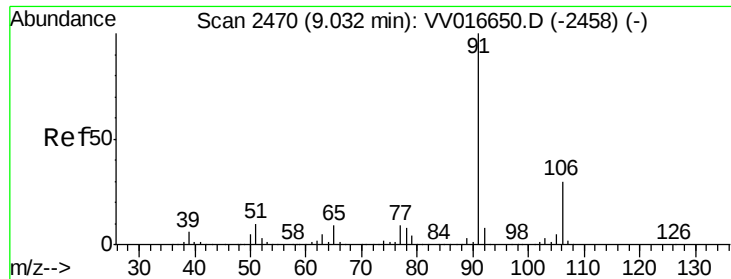
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	66.4	123.2
188	4.0	3.1	4.7



#51
 Chlorobenzene
 Concen: 188.407 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV016652.D
 Acq: 08 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.3	41.3
77	59.9	47.9	71.9





#52

Ethylbenzene

Concen: 197.463 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

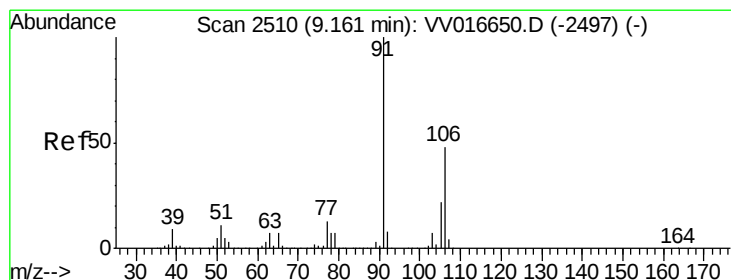
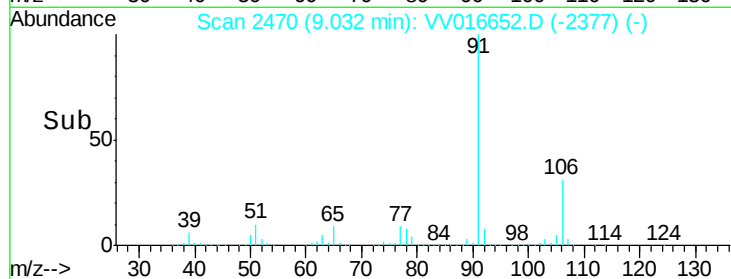
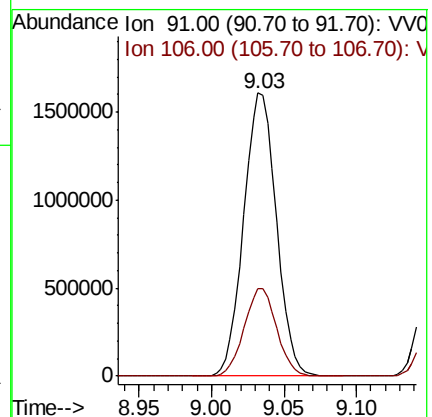
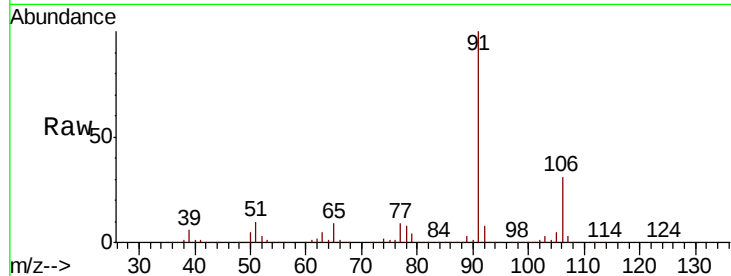
VSTD20061

Tot Ion: 91 Resp: 2523144

Ion Ratio Lower Upper

91 100

106 30.8 21.1 39.1



#53

m,p-Xylene

Concen: 195.669 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016652.D

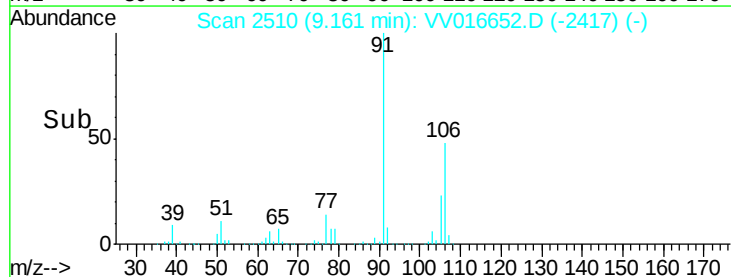
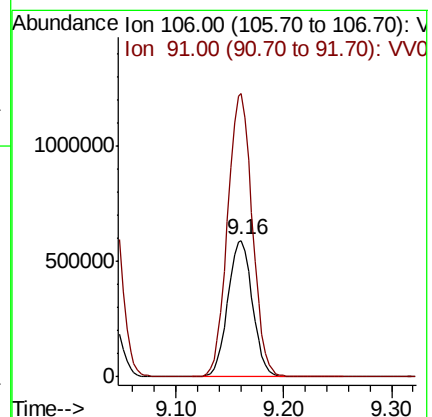
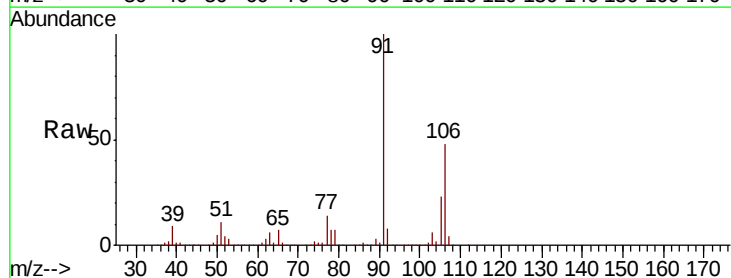
Acq: 08 Jun 2020 11:50

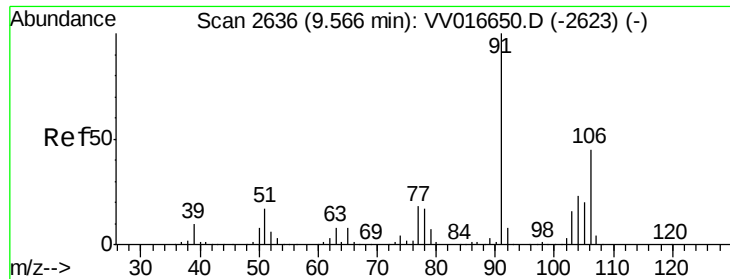
Tgt Ion: 106 Resp: 940808

Ion Ratio Lower Upper

106 100

91 207.3 144.6 268.6





#54

o-xylene

Concen: 195.164 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

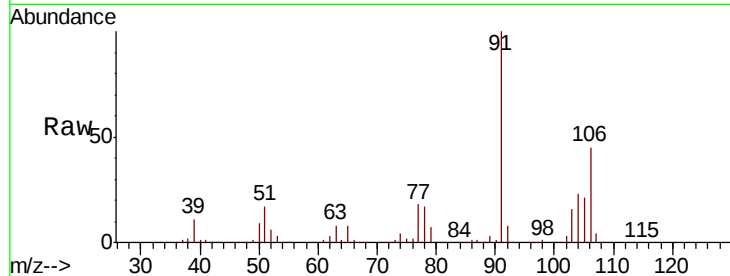
VSTD20061

Tot Ion:106 Resp: 908344

Ion Ratio Lower Upper

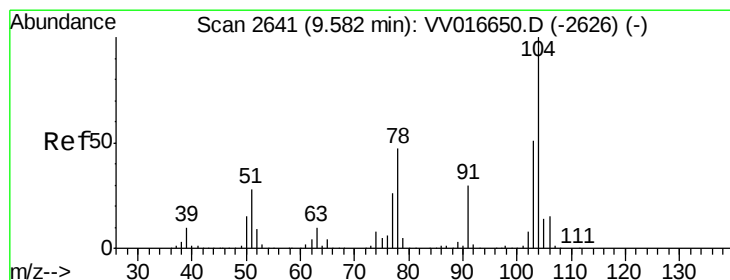
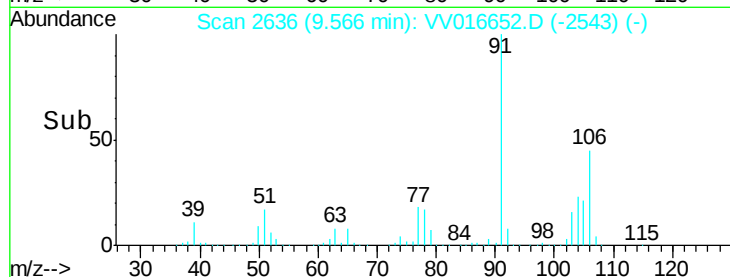
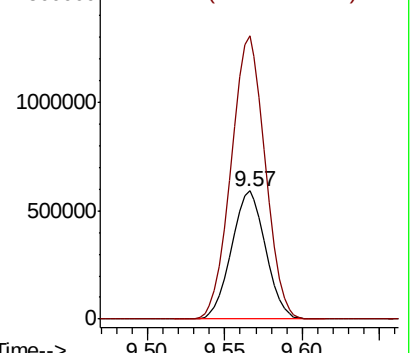
106 100

91 220.5 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

1500000 Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 196.422 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV016652.D

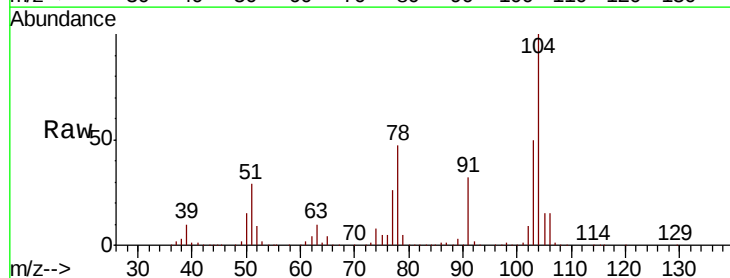
Acq: 08 Jun 2020 11:50

Tgt Ion:104 Resp: 1591348

Ion Ratio Lower Upper

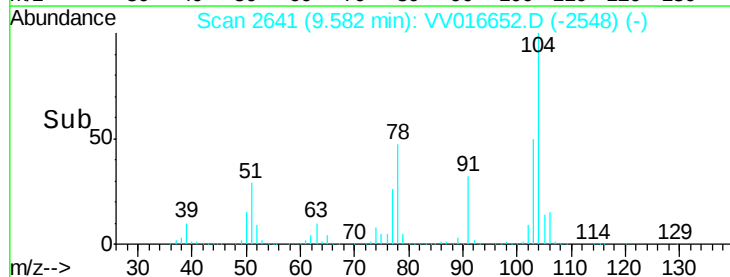
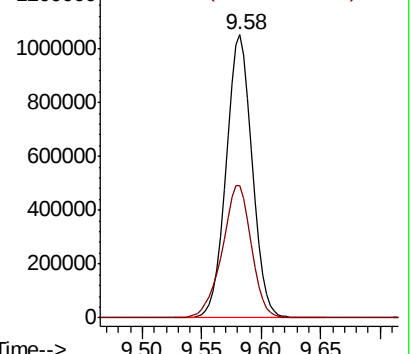
104 100

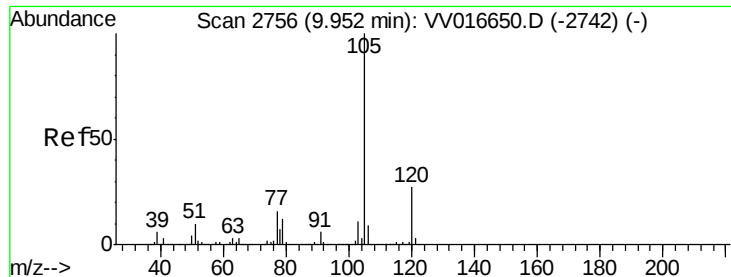
78 46.9 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

1200000 Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 202.337 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

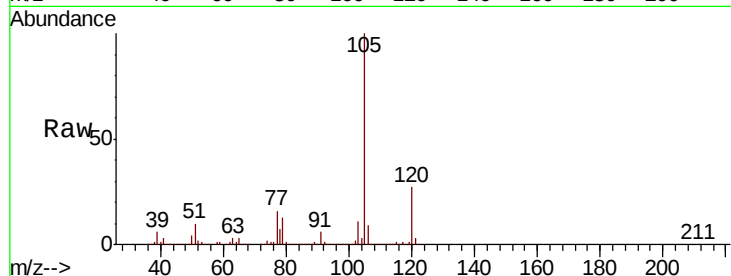
Tot Ion:105 Resp: 2470128

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

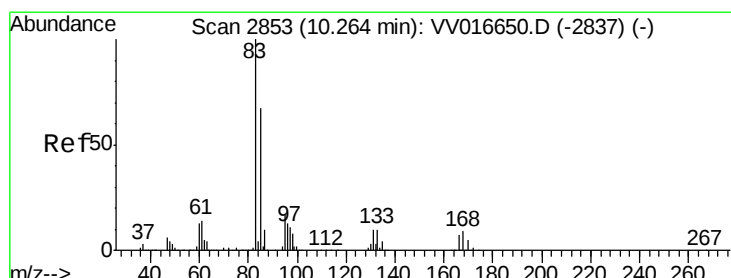
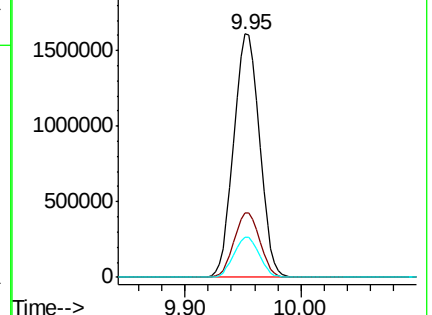
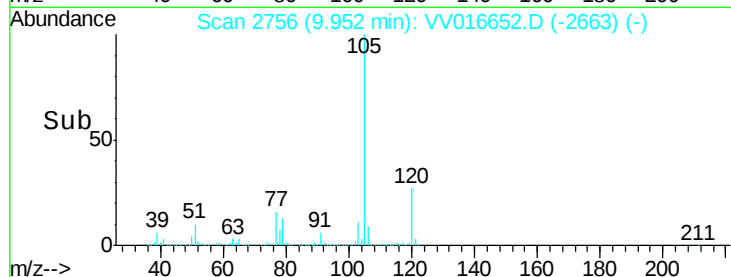
77 16.3 13.0 19.4



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: 187.506 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

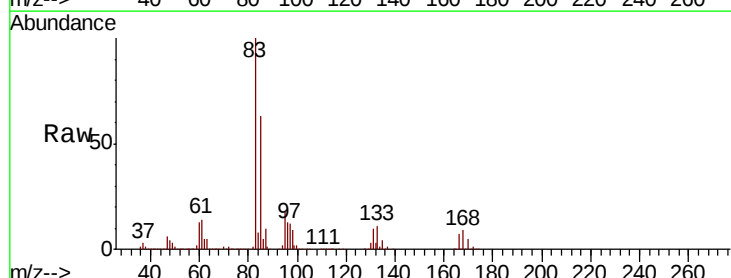
Tgt Ion: 83 Resp: 829877

Ion Ratio Lower Upper

83 100

85 63.2 46.8 86.8

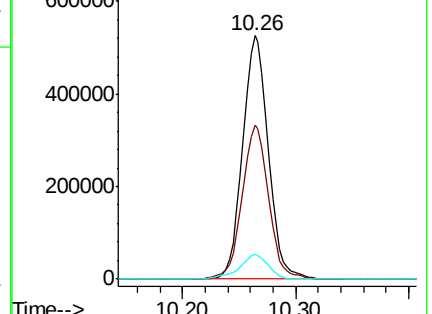
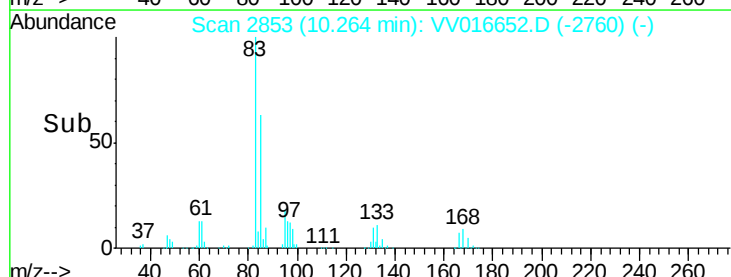
131 10.1 7.9 11.9

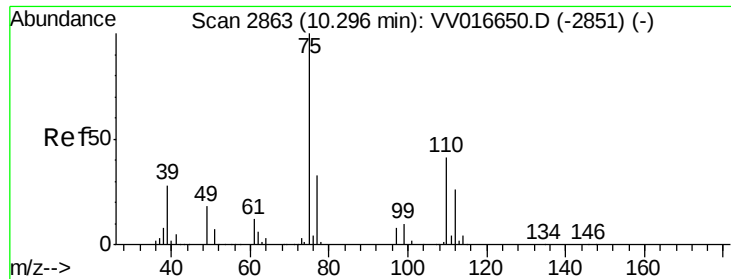


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 190.849 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

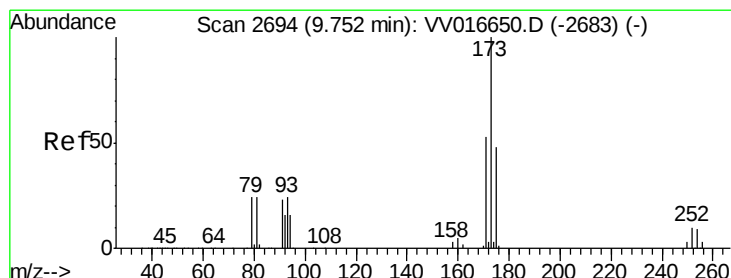
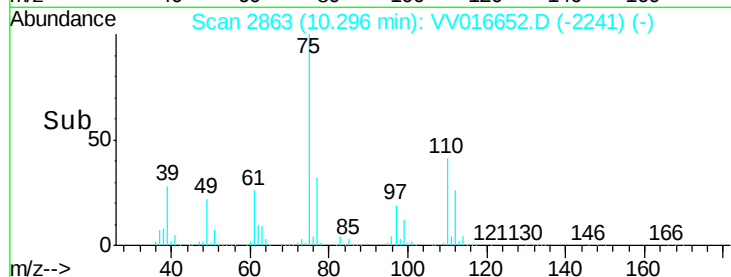
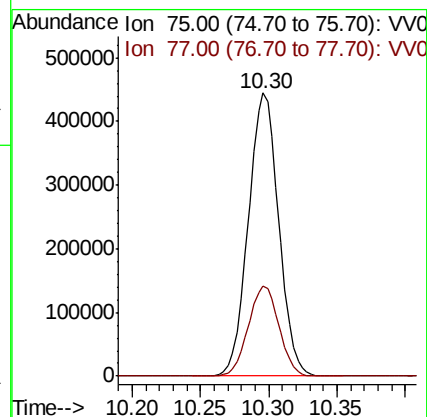
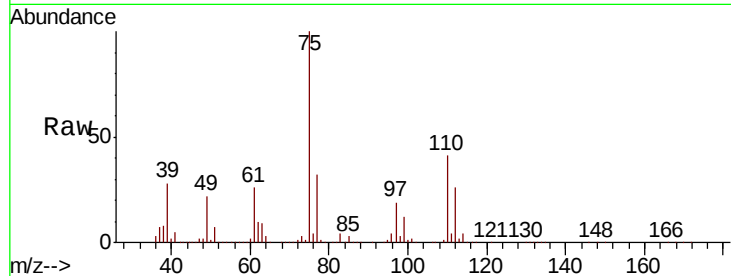
VSTD20061

Tot Ion: 75 Resp: 686992

Ion Ratio Lower Upper

75 100

77 32.0 26.1 39.1



#61

Bromoform

Concen: 250.057 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

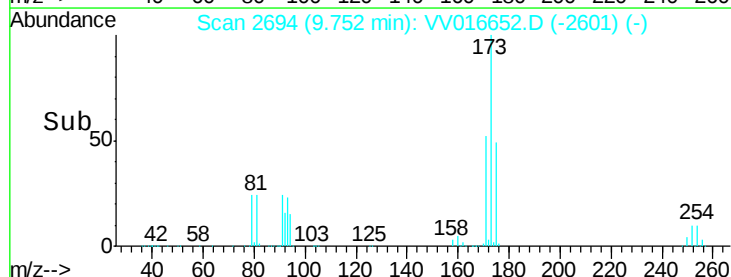
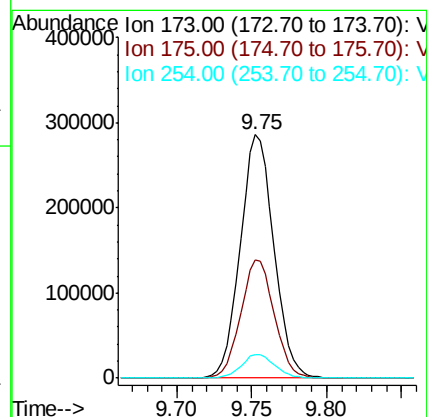
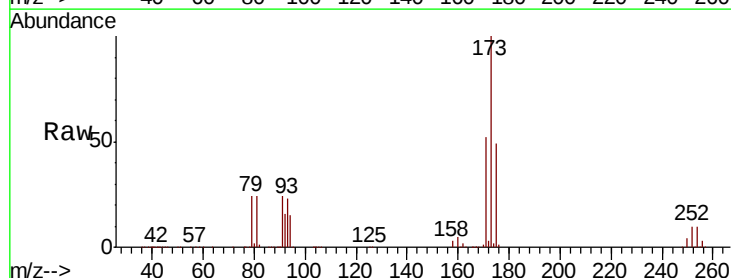
Tgt Ion: 173 Resp: 446753

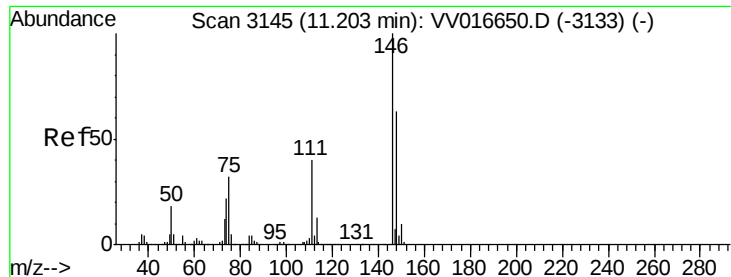
Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

254 9.7 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 188.639 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

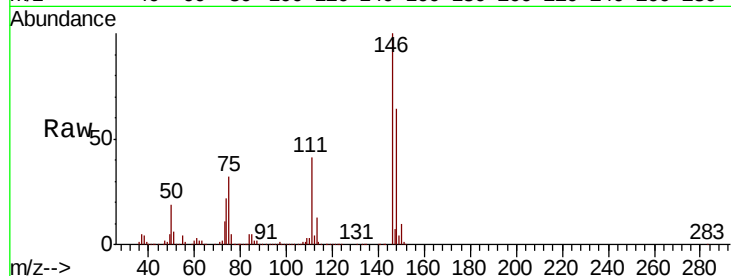
MSVOA_V

ClientSampleId :

VSTD20061

Tot Ion:146 Resp: 1185019

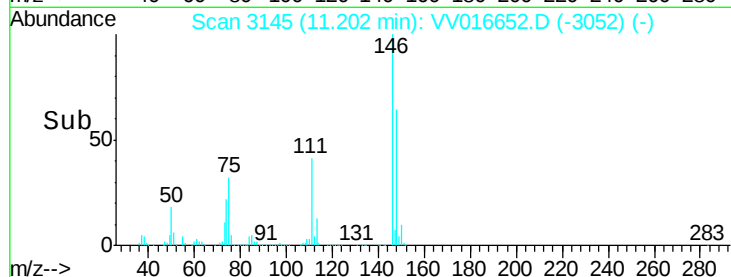
Ion	Ratio	Lower	Upper
146	100		
111	41.0	28.3	52.7
148	63.8	44.2	82.2



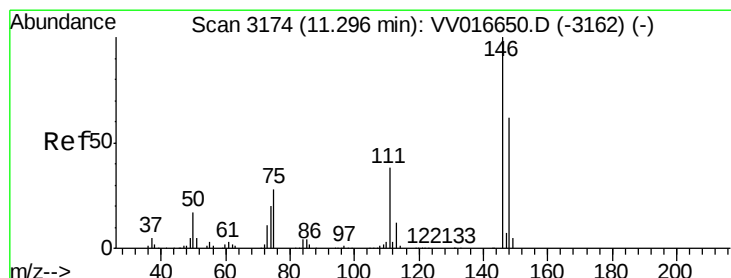
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#63

1,4-Dichlorobenzene

Concen: 185.103 ug/L

RT: 11.30 min Scan# 3174

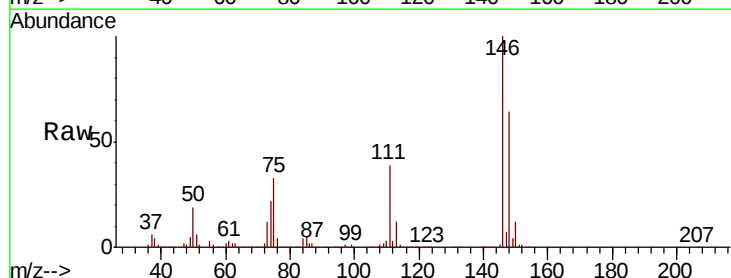
Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Tgt Ion:146 Resp: 1201560

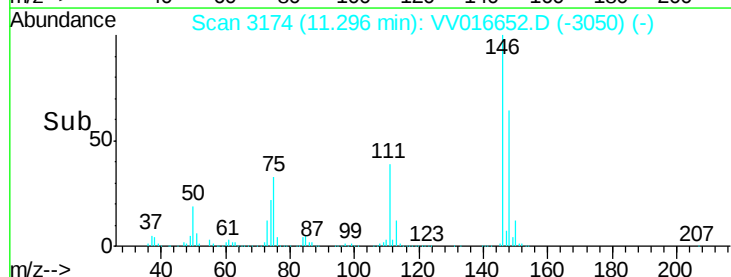
Ion	Ratio	Lower	Upper
146	100		
111	38.7	26.7	49.7
148	64.0	43.5	80.9



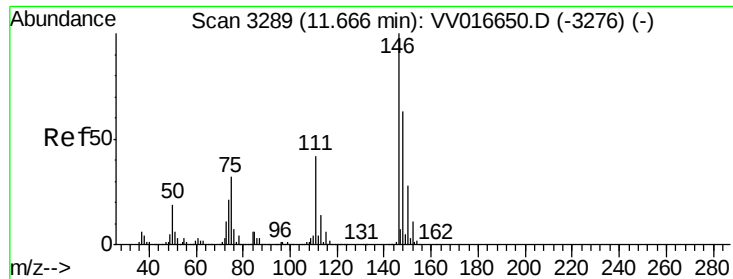
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#65

1,2-Dichlorobenzene

Concen: 189.333 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

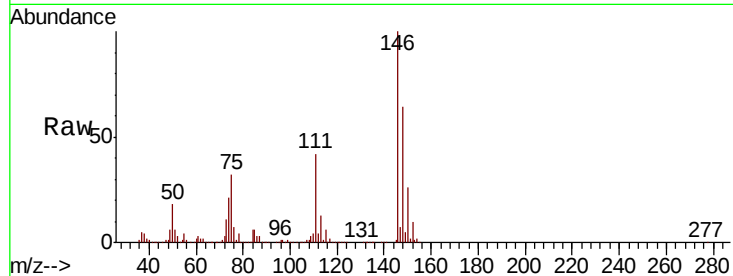
Tot Ion:146 Resp: 1200382

Ion Ratio Lower Upper

146 100

111 41.9 33.7 50.5

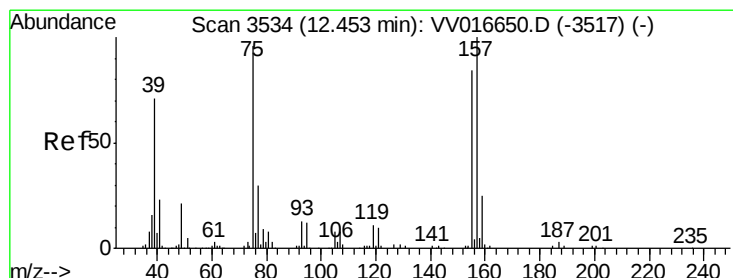
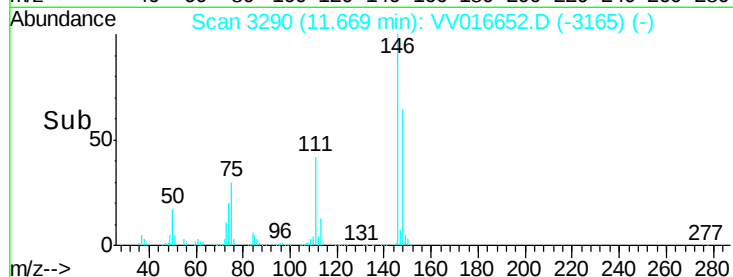
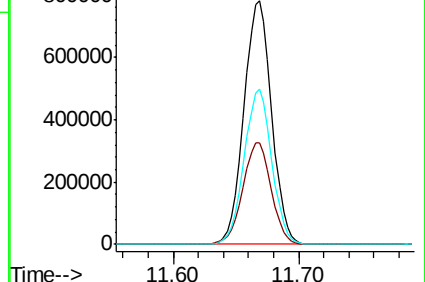
148 63.6 50.7 76.1



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: 221.471 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

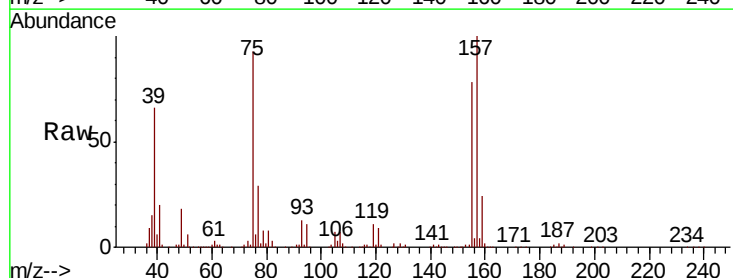
Tgt Ion: 75 Resp: 216347

Ion Ratio Lower Upper

75 100

155 83.9 69.8 104.6

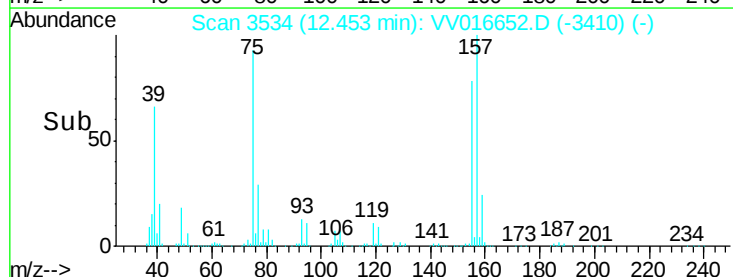
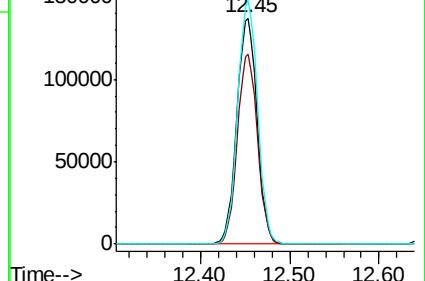
157 107.8 83.4 125.2

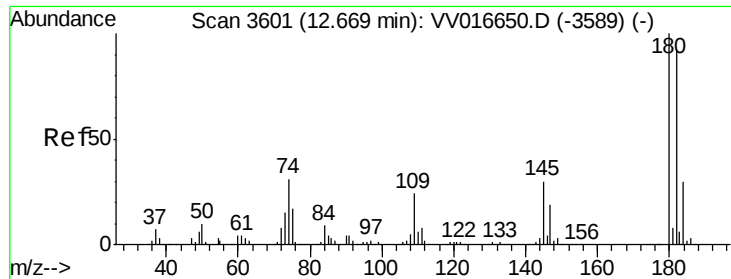


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

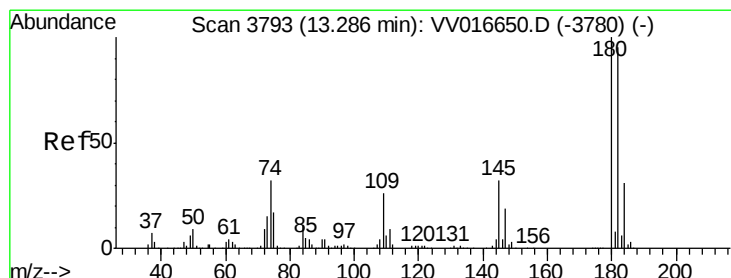
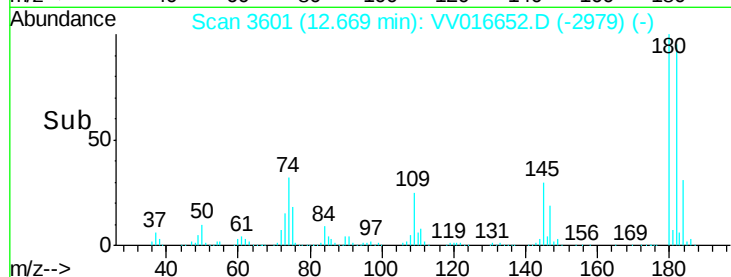
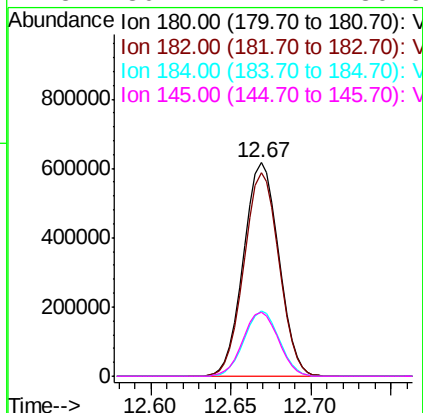
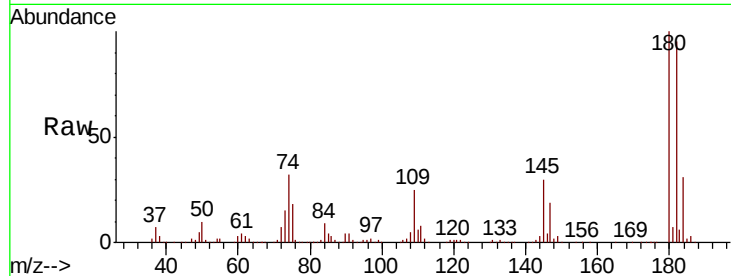




#67
 1,3,5-Trichlorobenzene
 Concen: 214.537 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016652.D
 Acq: 08 Jun 2020 11:50

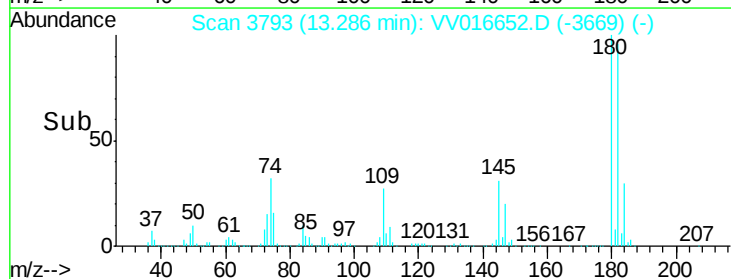
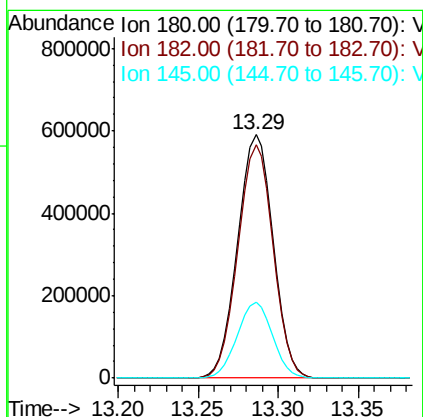
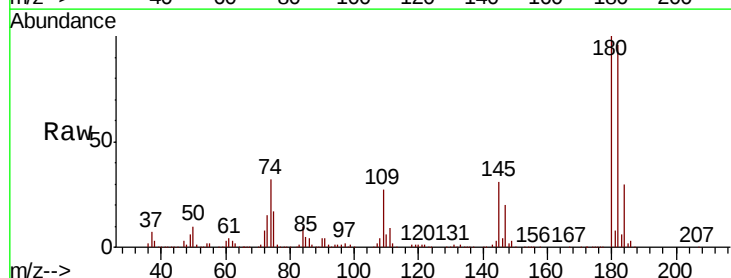
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

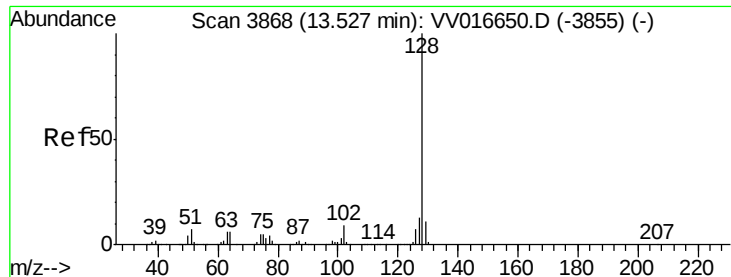
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.0	112.6
184	30.4	24.5	36.7
145	30.2	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 222.191 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016652.D
 Acq: 08 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.9	115.3
145	31.0	25.2	37.8





#69

Naphthalene

Concen: 212.776 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

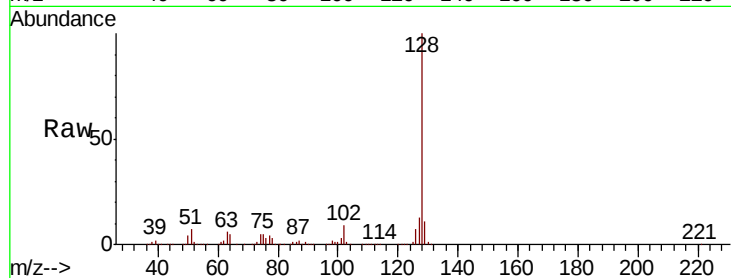
Tot Ion:128 Resp: 2600652

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

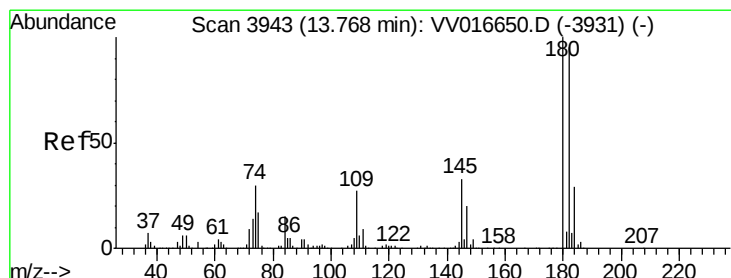
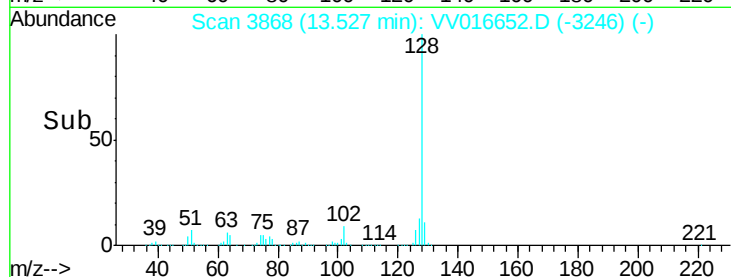
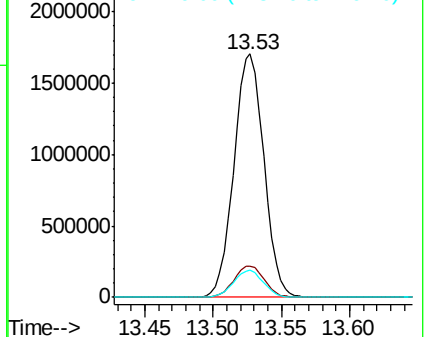
129 11.0 8.7 13.1



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: 219.987 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016652.D

Acq: 08 Jun 2020 11:50

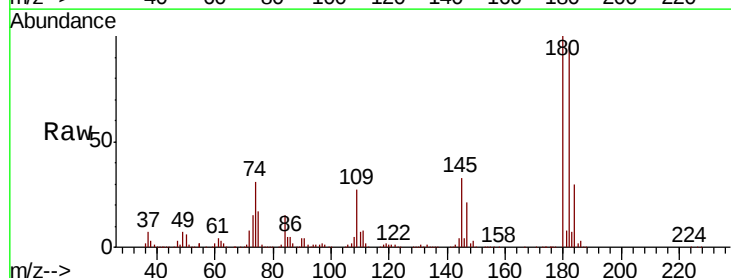
Tgt Ion:180 Resp: 844927

Ion Ratio Lower Upper

180 100

182 94.9 76.5 114.7

145 32.8 26.1 39.1



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

