

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018512.D
 Acq On : 29 Sep 2020 13:01
 Operator : SY/MD
 Sample : VSTD20063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

Quant Time: Sep 30 01:19:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	376077	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	369493	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	209437	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	434231	141.68	ug/L	0.00
7) Chloroethane-d5	1.58	69	347241	138.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	879341	156.41	ug/L	0.00
21) 2-Butanone-d5	3.91	46	698449	372.32	ug/L	0.00
24) Chloroform-d	4.38	84	959916	180.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	612382	179.65	ug/L	0.00
32) Benzene-d6	5.08	84	1870946	176.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	577502	171.83	ug/L	0.00
41) Toluene-d8	7.34	98	1801765	186.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	332085	194.44	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	523365	411.10	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	799142	189.44	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	795678	184.99	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	479219	174.750	ug/L	99
3) Chloromethane	1.25	50	514972	171.976	ug/L	100
5) Vinyl chloride	1.32	62	544852	177.437	ug/L	99
6) Bromomethane	1.53	94	376008	200.341	ug/L	98
8) Chloroethane	1.60	64	330203	171.662	ug/L	99
9) Trichlorofluoromethane	1.76	101	809777	191.669	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	456111	179.729	ug/L	100
12) 1,1-Dichloroethene	2.13	96	443076	179.433	ug/L	92
13) Acetone	2.20	43	511347	340.405	ug/L	99
14) Carbon disulfide	2.31	76	1484377	196.452	ug/L	99
15) Methyl Acetate	2.45	43	531651	196.938	ug/L	99
16) Methylene chloride	2.52	84	526810	190.228	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	518293	203.667	ug/L	100
18) Methyl tert-butyl Ether	2.78	73	1621533	205.986	ug/L	99
19) 1,1-Dichloroethane	3.21	63	913804	189.921	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	569452	209.331	ug/L	100
22) 2-Butanone	4.00	43	771529	433.738	ug/L	96
23) Bromochloromethane	4.27	128	306163	215.106	ug/L	99
25) Chloroform	4.40	83	967443	197.805	ug/L	98
27) 1,2-Dichloroethane	5.15	62	770736	203.560	ug/L	99
29) Cyclohexane	4.70	56	847667	198.672	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	892363	208.102	ug/L	100
31) Carbon tetrachloride	4.86	117	814447	216.002	ug/L	100
33) Benzene	5.13	78	2099028	198.692	ug/L	100
34) Trichloroethene	5.94	95	582718	202.486	ug/L	99
35) Methylcyclohexane	6.16	83	846806	195.431	ug/L	100
37) 1,2-Dichloropropane	6.20	63	541129	193.302	ug/L	100
38) Bromodichloromethane	6.53	83	749657	205.782	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	927263	214.981	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	1482315	436.472	ug/L	99

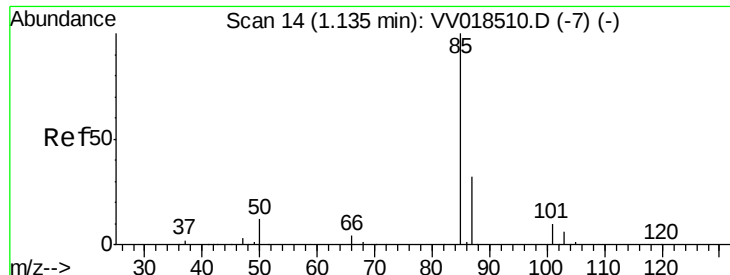
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
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Quant Time: Sep 30 01:19:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2327658	208.202	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	913259	217.463	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	533007	205.422	ug/L	98
46) Tetrachloroethene	8.00	164	494258	219.044	ug/L	100
48) 2-Hexanone	8.16	43	1159589	433.095	ug/L	99
49) Dibromochloromethane	8.27	129	656941	225.560	ug/L	99
50) 1,2-Dibromoethane	8.37	107	590856	216.369	ug/L	99
51) Chlorobenzene	8.90	112	1534104	211.294	ug/L	99
52) Ethylbenzene	9.03	91	2626343	215.175	ug/L	100
53) m,p-Xylene	9.16	106	1013048	222.365	ug/L	99
54) o-xylene	9.57	106	968883	220.752	ug/L	98
55) Styrene	9.58	104	1733279	227.207	ug/L	98
56) Isopropylbenzene	9.95	105	2606676	220.368	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	816797	212.810	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	666865	202.535	ug/L	99
61) Bromoform	9.75	173	514948	228.871	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	1304348	209.441	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	1340416	209.398	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1297419	206.107	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	204087	229.751	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	943331	192.137	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	916666	209.665	ug/L	100
69) Naphthalene	13.52	128	2858371	258.379	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	909298	211.161	ug/L	99

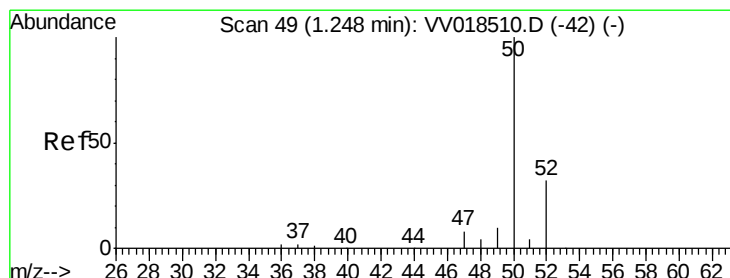
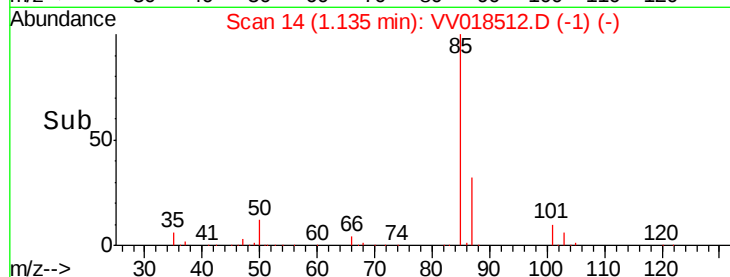
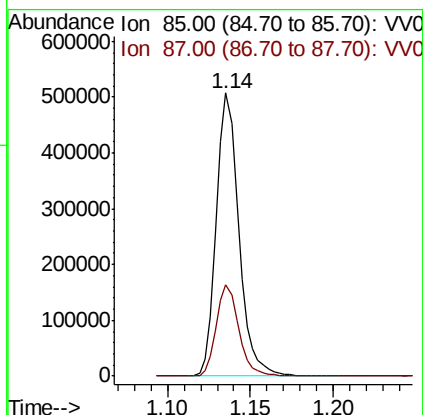
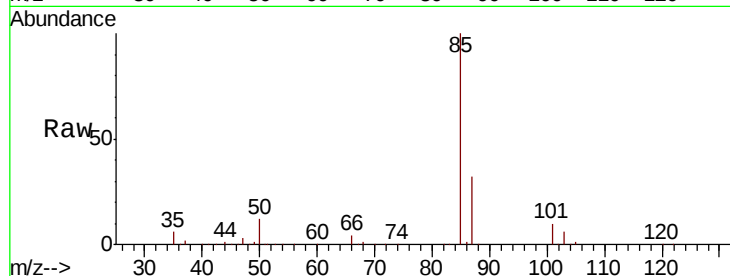
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 174.750 ug/L
RT: 1.14 min Scan# 14
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

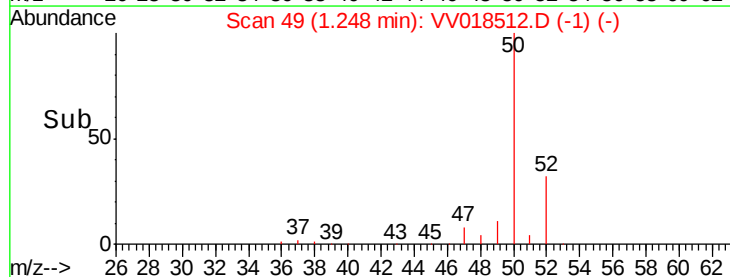
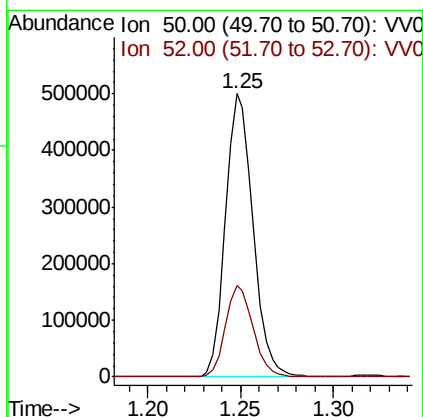
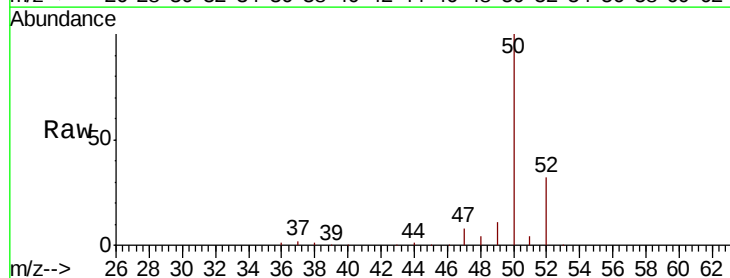
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

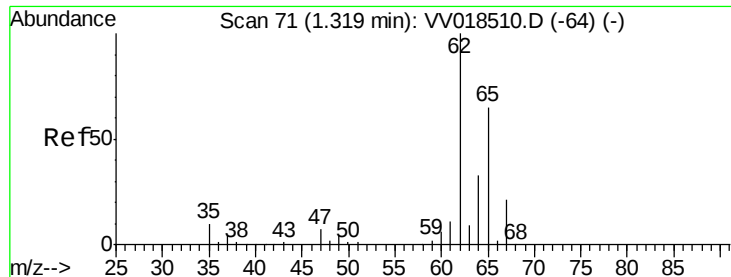
Tot Ion: 85 Resp: 479219
Ion Ratio Lower Upper
85 100
87 32.2 25.5 38.3



#3
Chloromethane
Concen: 171.976 ug/L
RT: 1.25 min Scan# 49
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

Tgt Ion: 50 Resp: 514972
Ion Ratio Lower Upper
50 100
52 32.3 22.7 42.1





#5

Vinyl chloride

Concen: 177.437 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

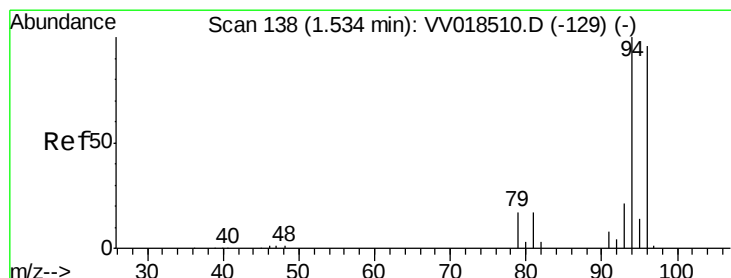
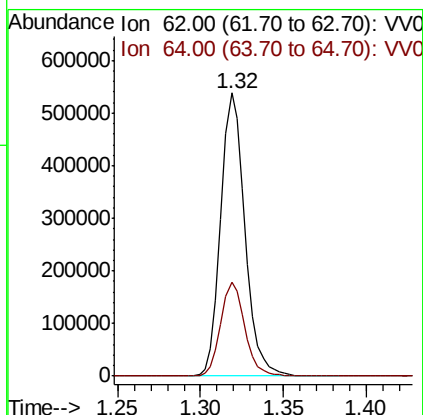
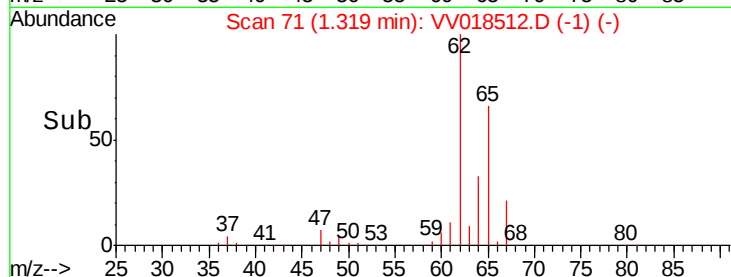
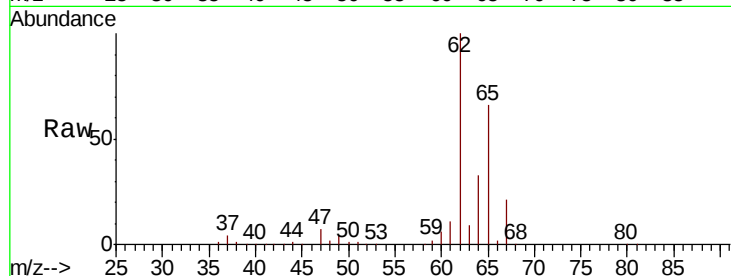
VSTD20063

Tot Ion: 62 Resp: 544852

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



#6

Bromomethane

Concen: 200.341 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018512.D

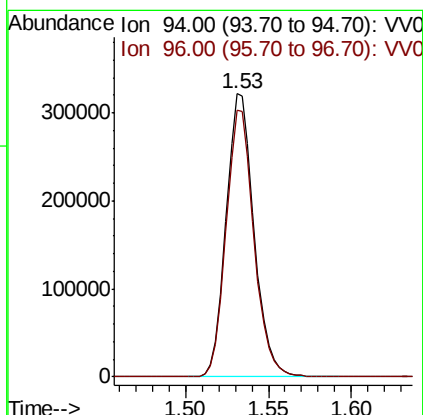
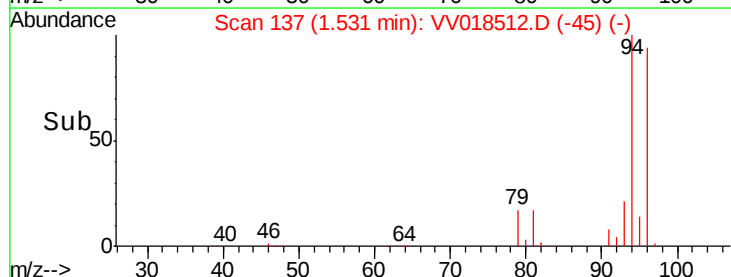
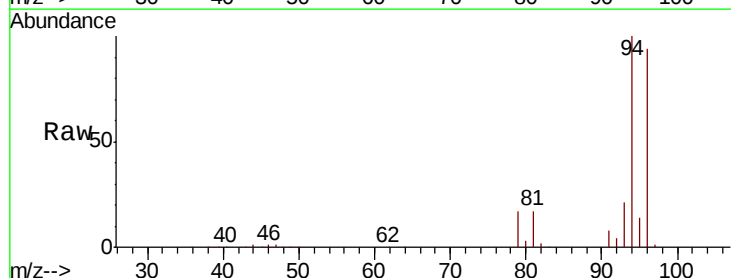
Acq: 29 Sep 2020 13:01

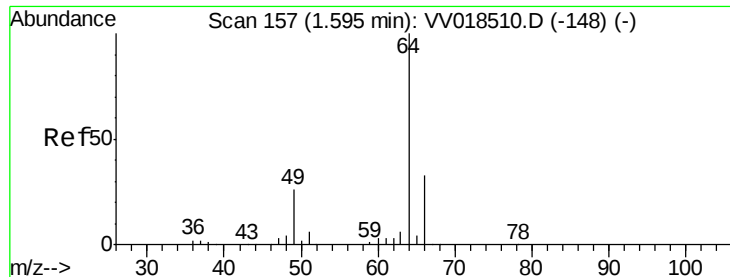
Tgt Ion: 94 Resp: 376008

Ion Ratio Lower Upper

94 100

96 94.1 67.5 125.4

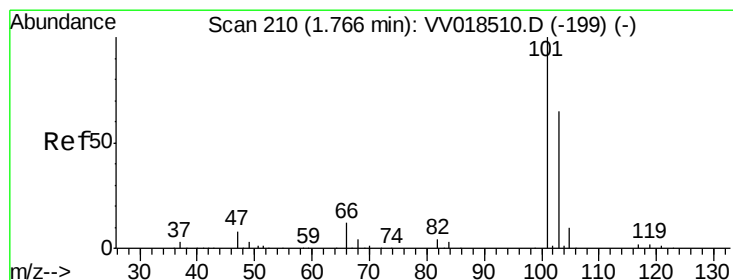
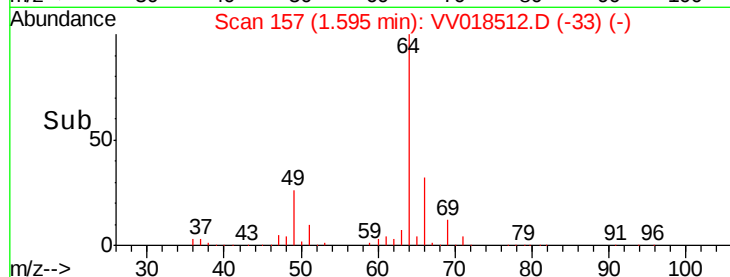
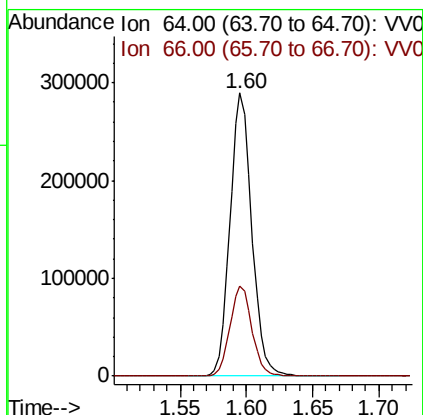
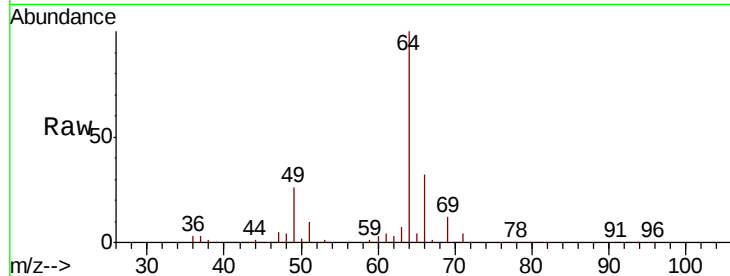




#8
Chloroethane
Concen: 171.662 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

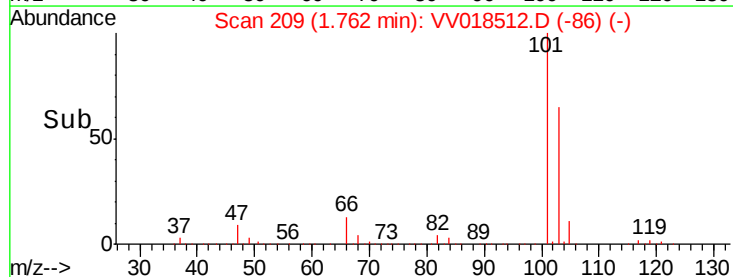
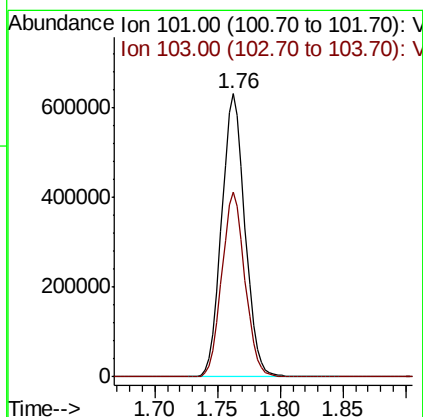
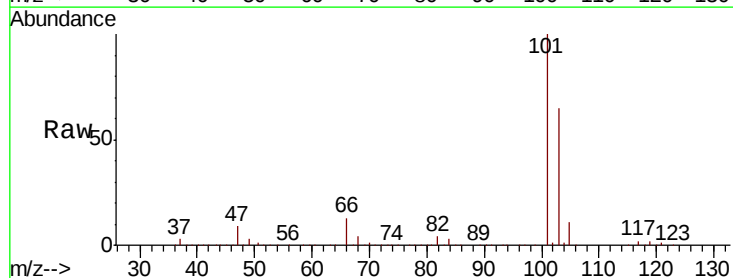
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

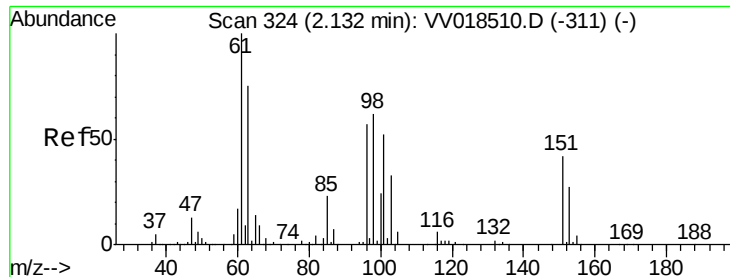
Tot Ion: 64 Resp: 330203
Ion Ratio Lower Upper
64 100
66 32.0 22.8 42.4



#9
Trichlorofluoromethane
Concen: 191.669 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

Tgt Ion:101 Resp: 809777
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9





#10

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

Concen: 179.729 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

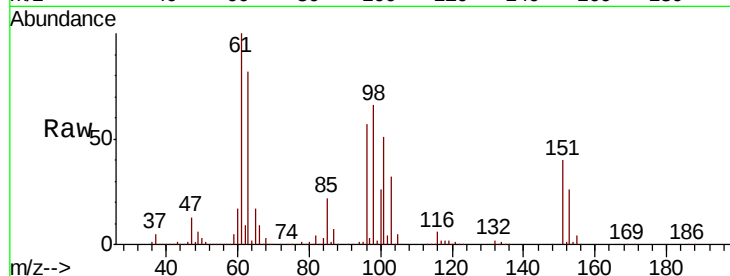
Tot Ion:101 Resp: 456111

Ion Ratio Lower Upper

101 100

85 43.4 34.6 52.0

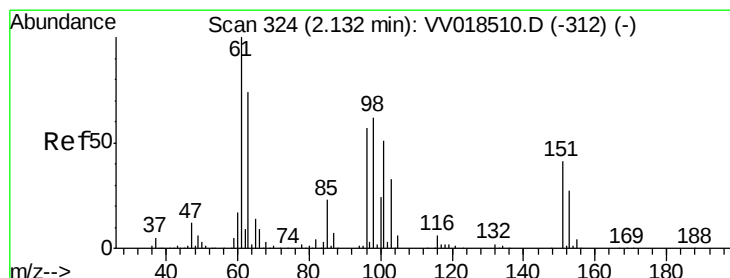
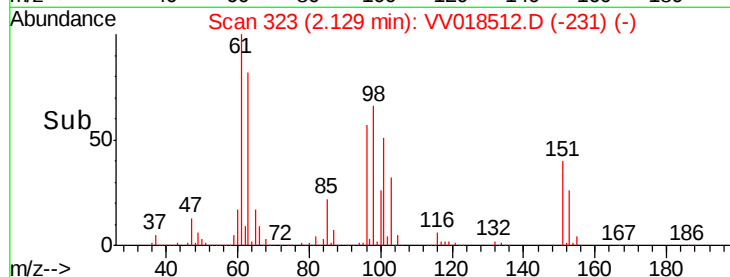
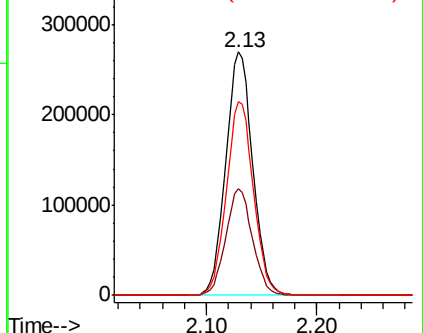
151 79.9 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): VV018510.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018510.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018510.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 179.433 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

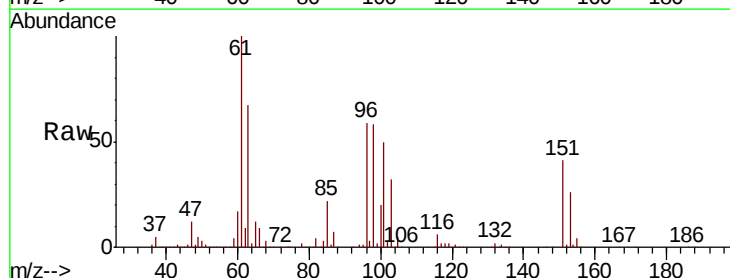
Tgt Ion: 96 Resp: 443076

Ion Ratio Lower Upper

96 100

61 170.8 122.8 228.1

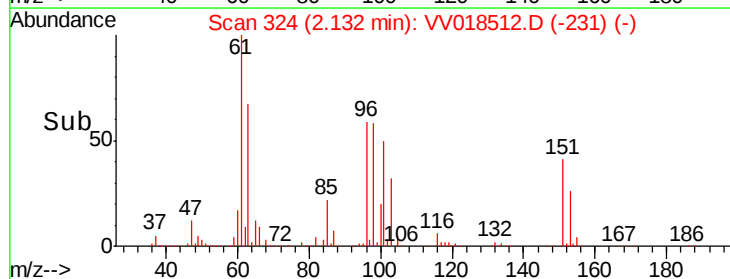
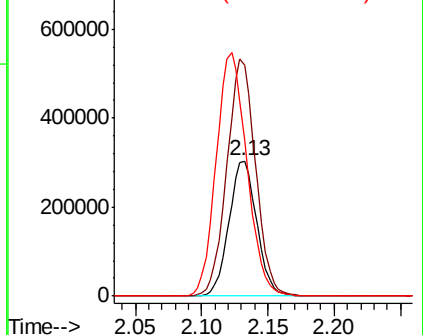
63 115.1 91.9 170.7

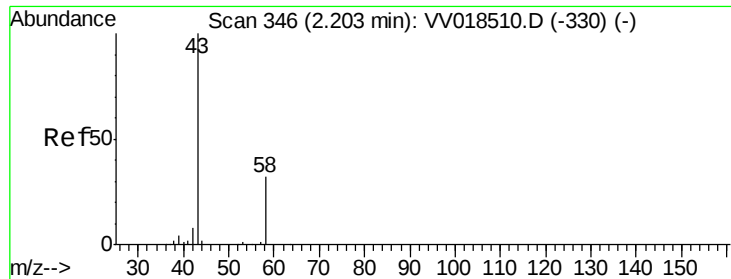


Abundance Ion 96.00 (95.70 to 96.70): VV018510.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV018510.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV018510.D (-312) (-)





#13

Acetone

Concen: 340.405 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

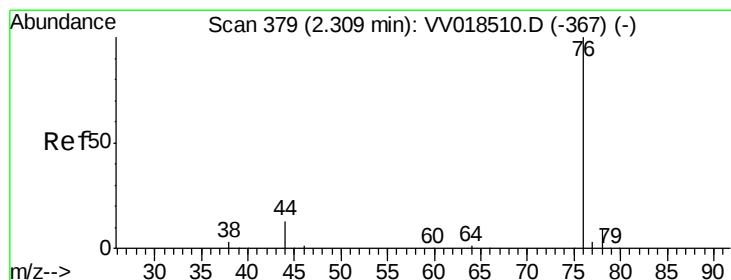
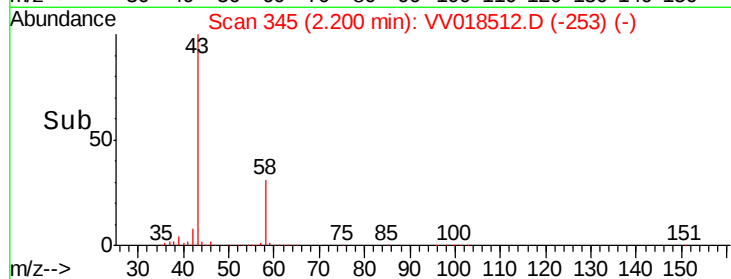
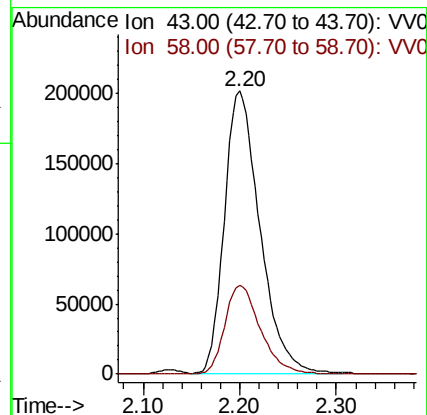
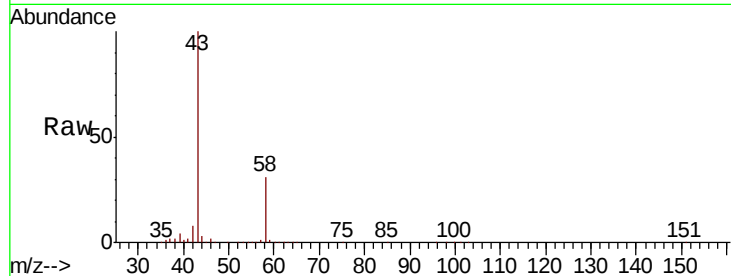
VSTD20063

Tot Ion: 43 Resp: 511347

Ion Ratio Lower Upper

43 100

58 31.6 0.0 64.0



#14

Carbon disulfide

Concen: 196.452 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018512.D

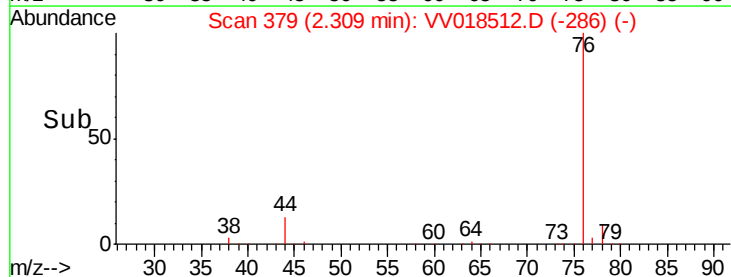
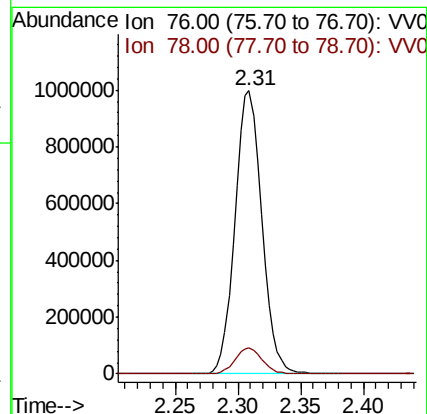
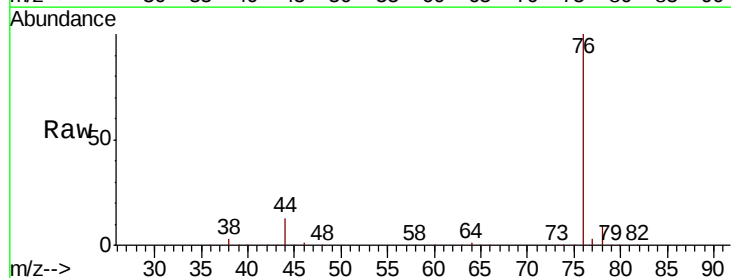
Acq: 29 Sep 2020 13:01

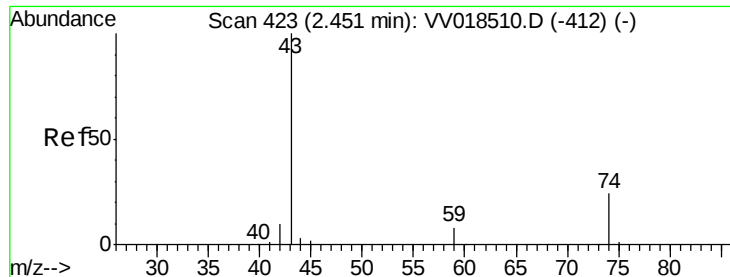
Tgt Ion: 76 Resp: 1484377

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

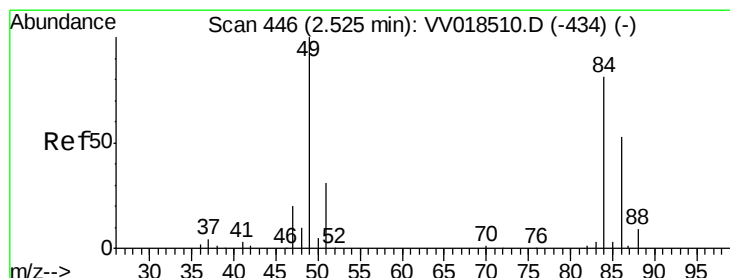
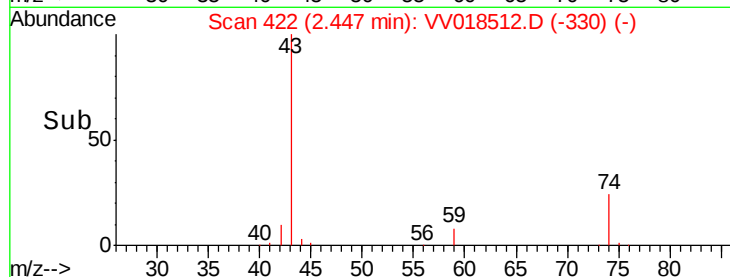
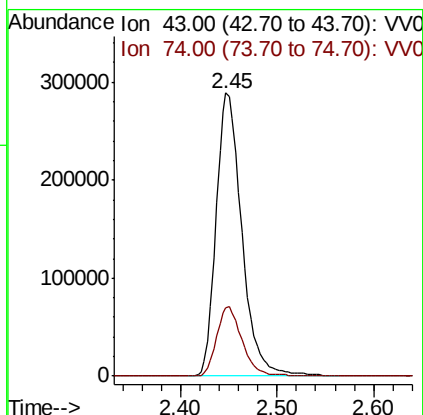
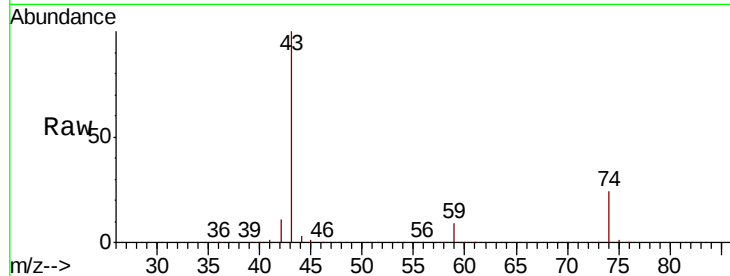




#15
Methvl Acetate
Concen: 196.938 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

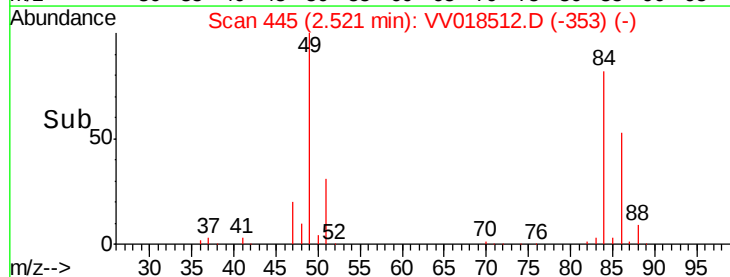
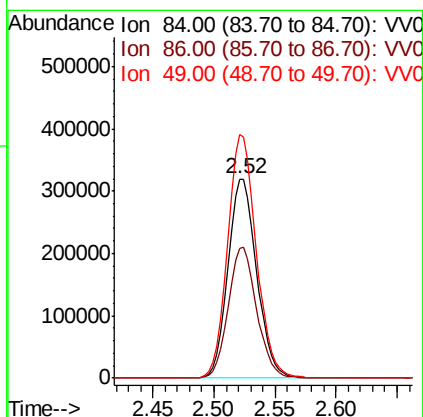
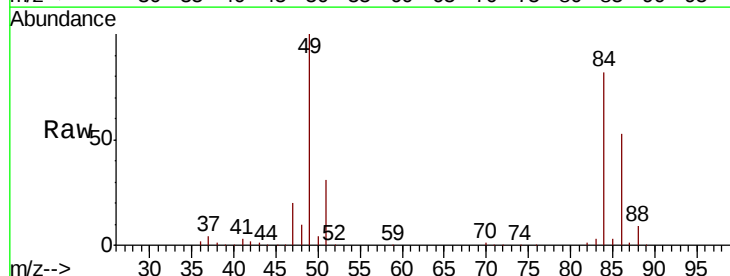
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

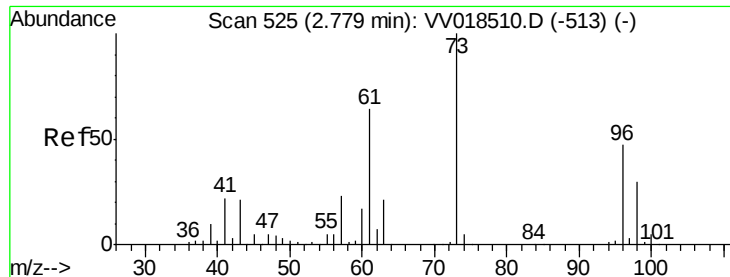
Tot Ion: 43 Resp: 531651
Ion Ratio Lower Upper
43 100
74 24.5 19.2 28.8



#16
Methylene chloride
Concen: 190.228 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

Tgt Ion: 84 Resp: 526810
Ion Ratio Lower Upper
84 100
86 65.4 46.2 85.8
49 122.3 86.6 160.8

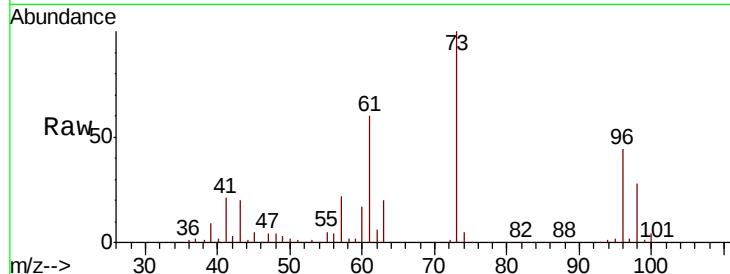




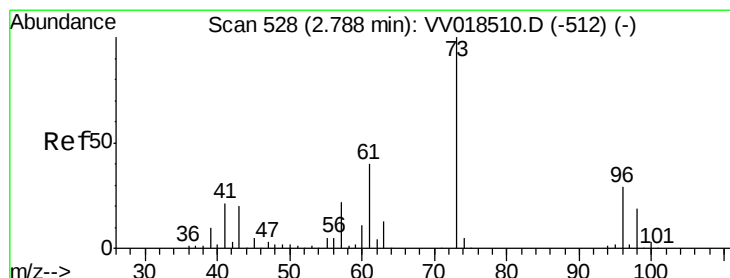
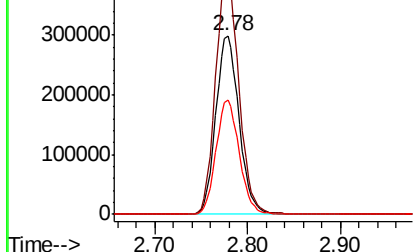
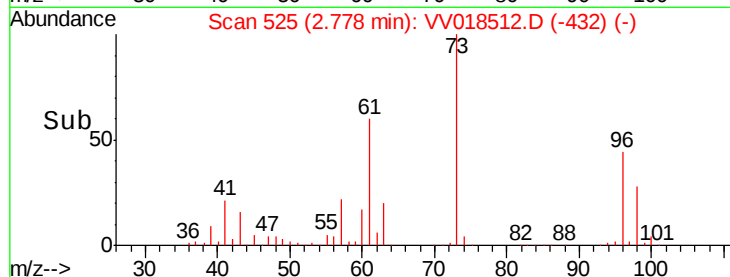
#17
trans-1,2-Dichloroethene
Concen: 203.667 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Tot Ion: 96 Resp: 518293
Ion Ratio Lower Upper
96 100
61 136.1 95.0 176.4
98 64.1 44.6 82.8

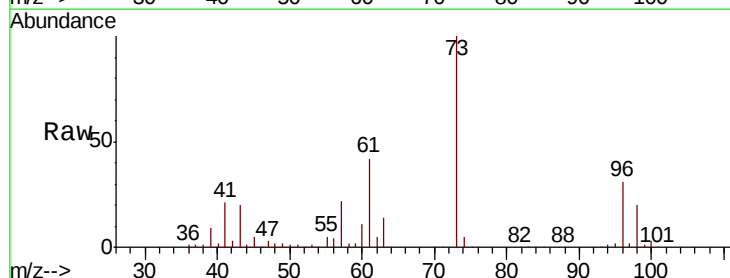


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

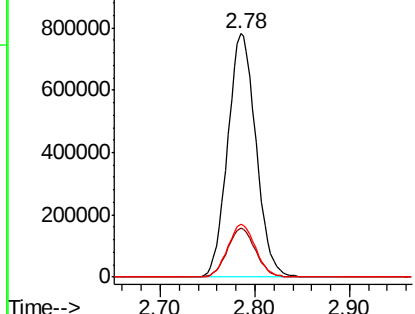
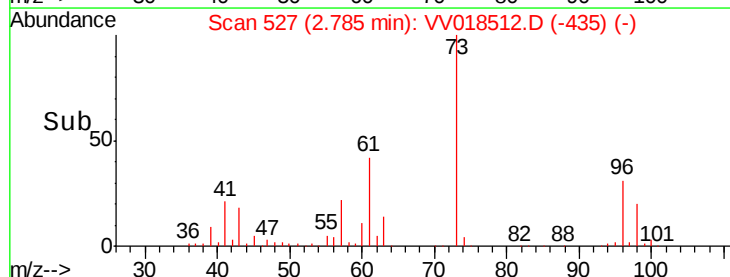


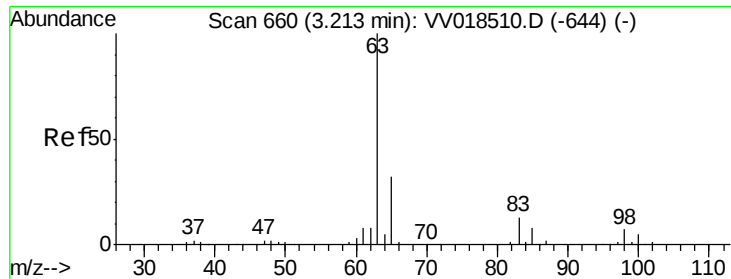
#18
Methyl tert-butyl Ether
Concen: 205.986 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

Tgt Ion: 73 Resp: 1621533
Ion Ratio Lower Upper
73 100
43 20.0 15.9 23.9
57 21.5 17.5 26.3



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

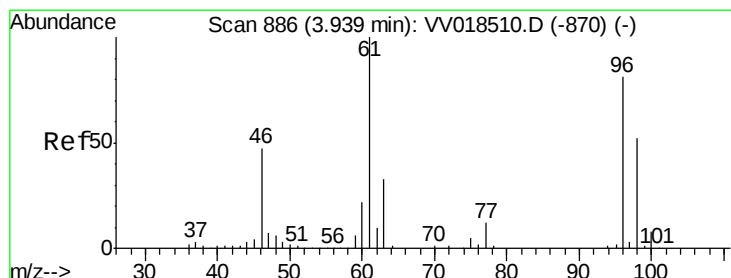
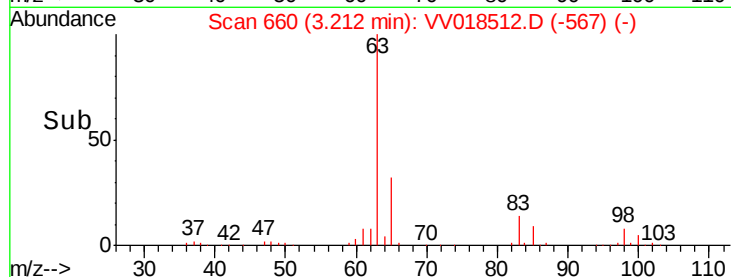
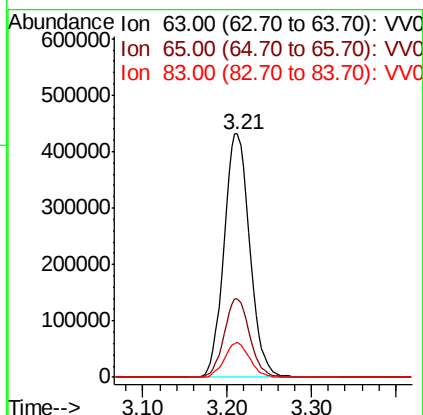
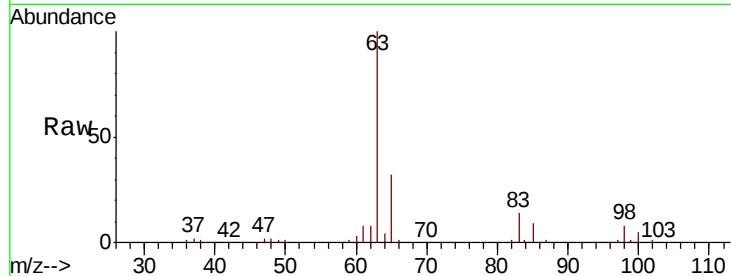




#19
 1,1-Dichloroethane
 Concen: 189.921 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV018512.D
 Acq: 29 Sep 2020 13:01

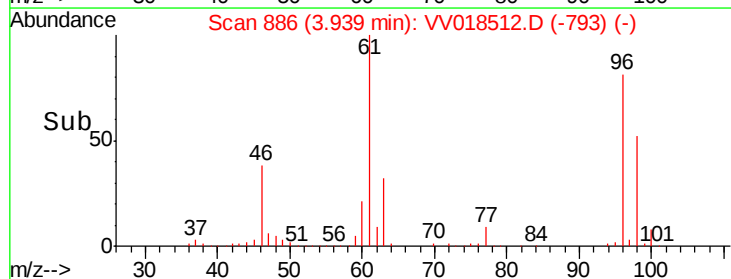
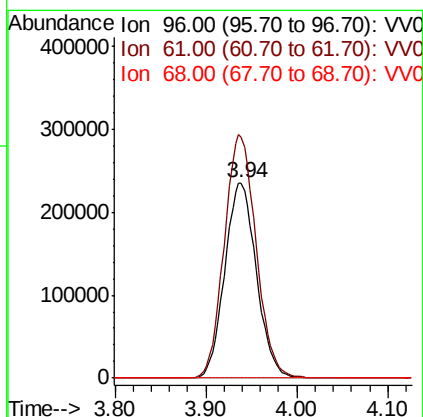
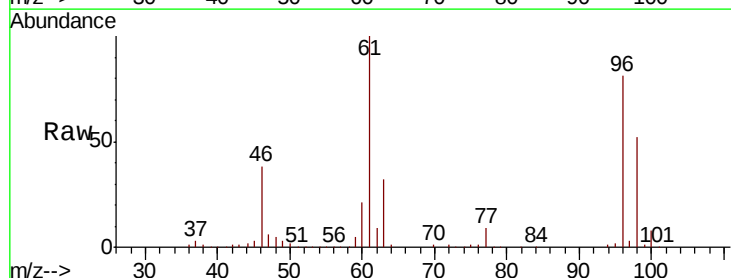
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

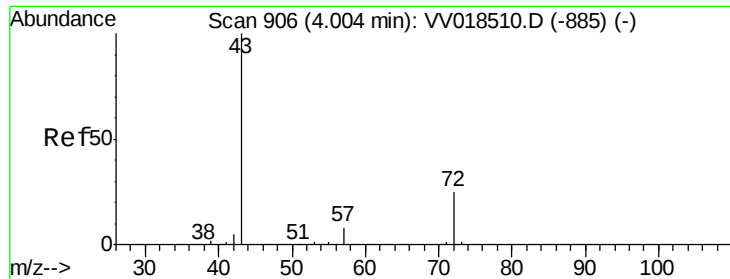
Tot Ion: 63 Resp: 913804
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.3 41.3
 83 14.1 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 209.331 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV018512.D
 Acq: 29 Sep 2020 13:01

Tgt Ion: 96 Resp: 569452
 Ion Ratio Lower Upper
 96 100
 61 123.8 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 433.738 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.01 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

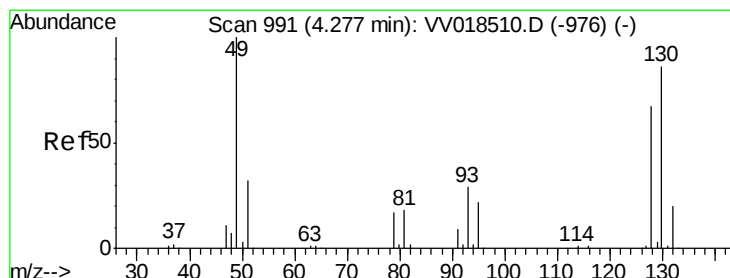
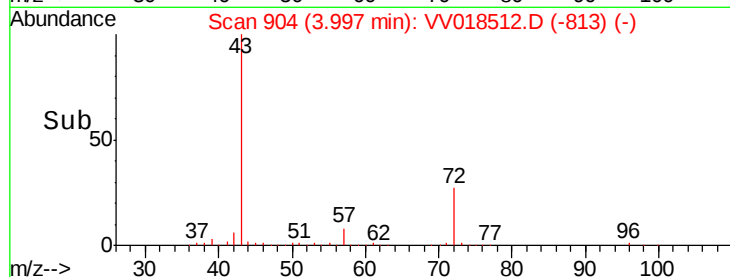
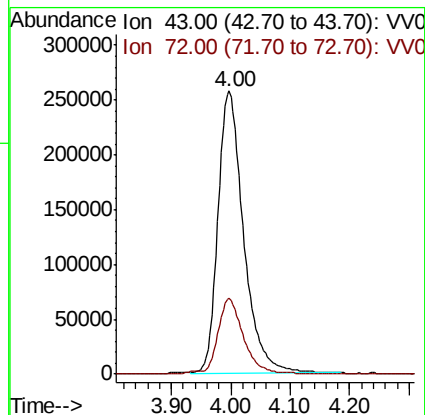
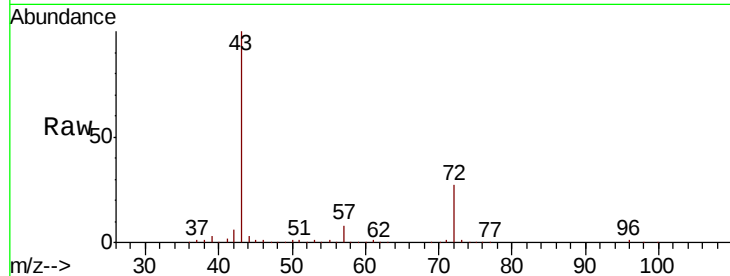
VSTD20063

Tot Ion: 43 Resp: 771529

Ion Ratio Lower Upper

43 100

72 26.1 12.1 36.3



#23

Bromochloromethane

Concen: 215.106 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Tgt Ion: 128 Resp: 306163

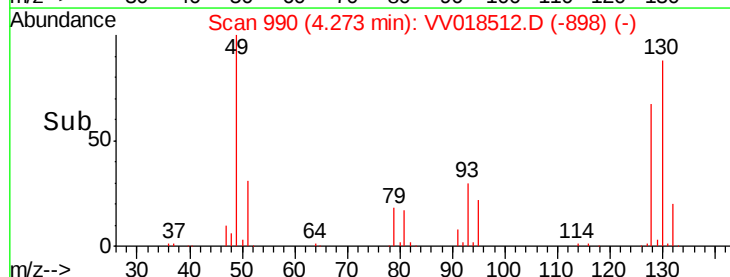
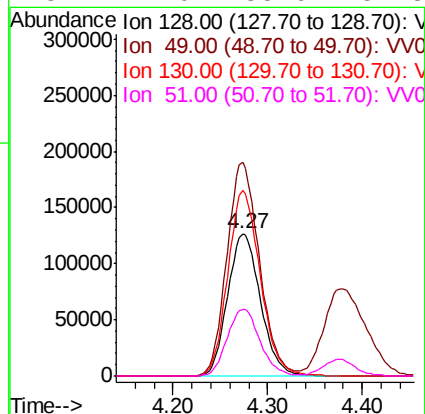
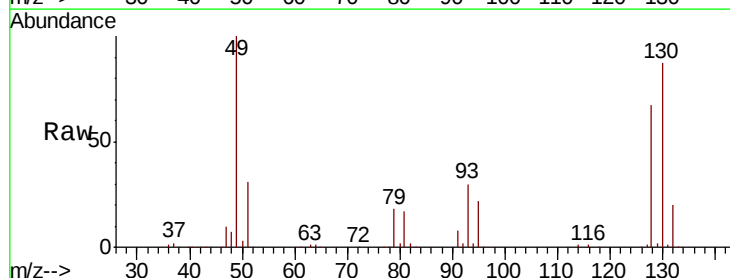
Ion Ratio Lower Upper

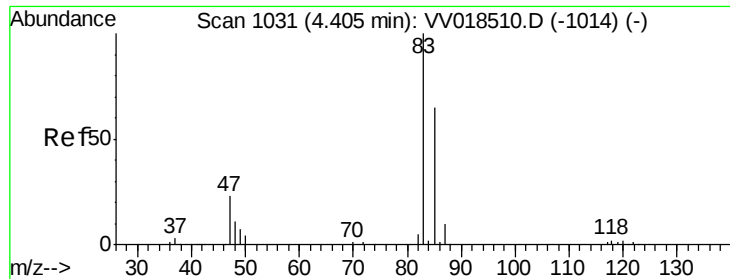
128 100

49 149.8 105.1 195.1

130 130.3 90.0 167.2

51 47.0 38.6 57.8

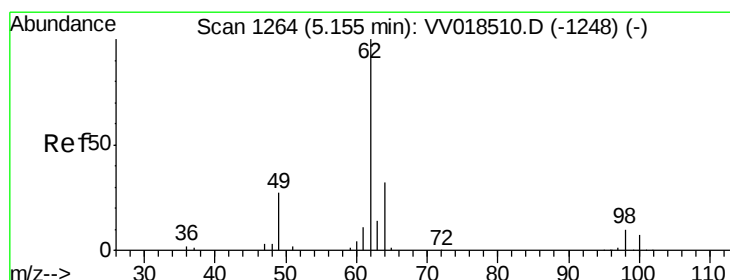
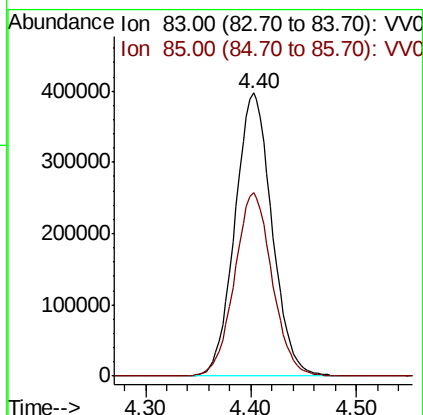
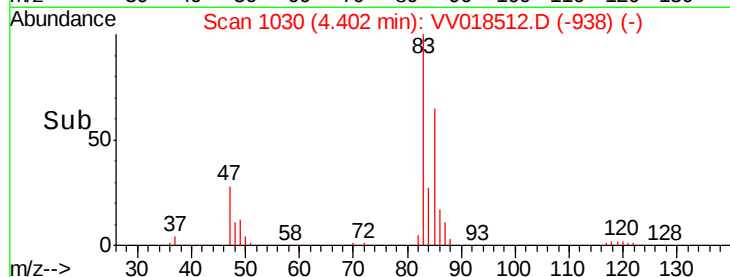
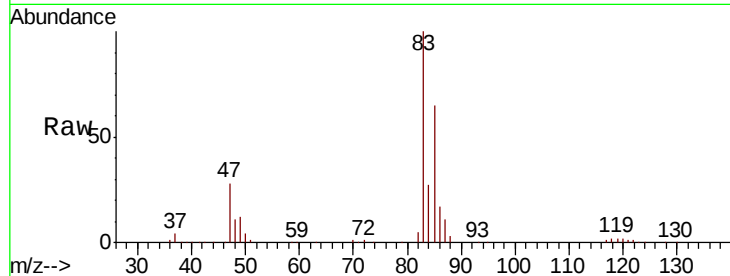




#25
Chloroform
Concen: 197.805 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

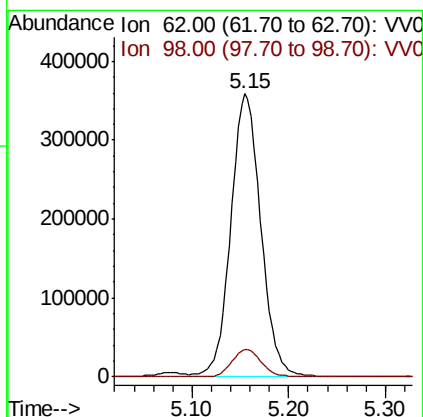
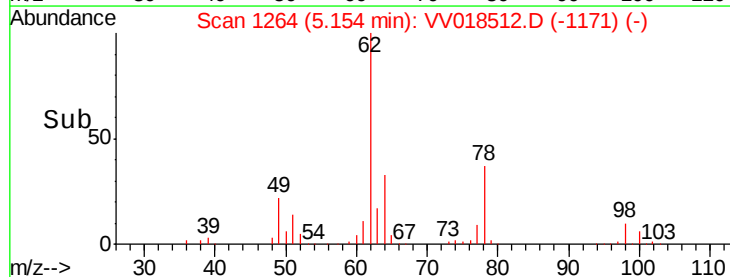
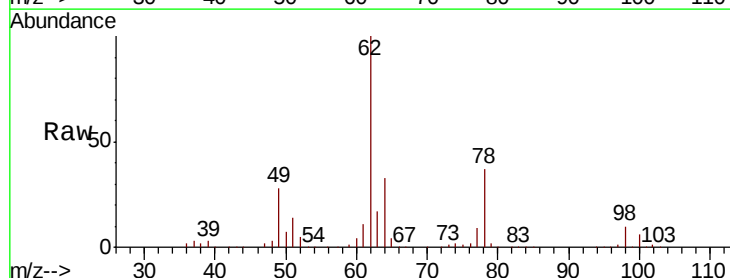
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

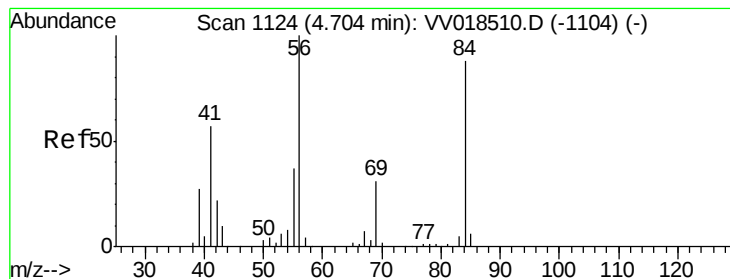
Tot Ion: 83 Resp: 967443
Ion Ratio Lower Upper
83 100
85 64.7 46.2 85.8



#27
1,2-Dichloroethane
Concen: 203.560 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

Tgt Ion: 62 Resp: 770736
Ion Ratio Lower Upper
62 100
98 9.9 7.7 11.5





#29

Cvclohexane

Concen: 198.672 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

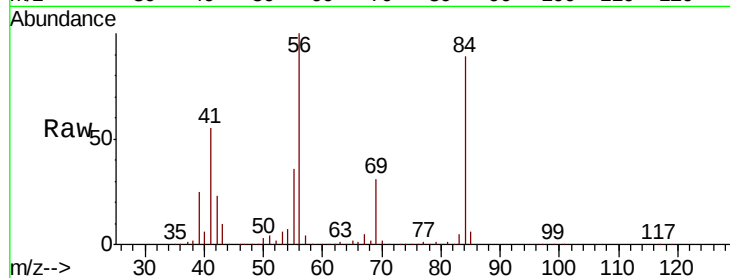
Tot Ion: 56 Resp: 847667

Ion Ratio Lower Upper

56 100

69 31.1 24.8 37.2

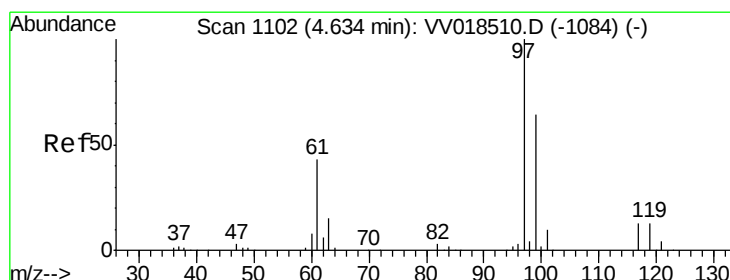
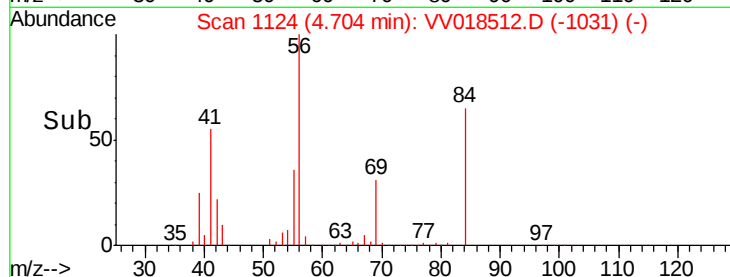
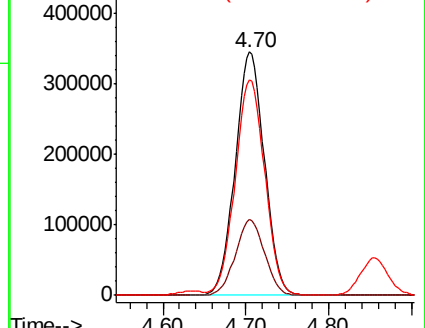
84 89.8 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VV018512.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV018512.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV018512.D (-1031) (-)



#30

1,1,1-Trichloroethane

Concen: 208.102 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

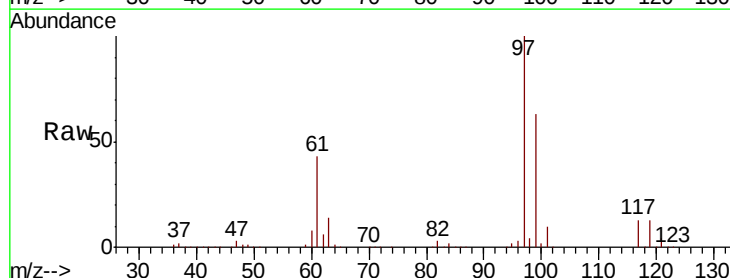
Tgt Ion: 97 Resp: 892363

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

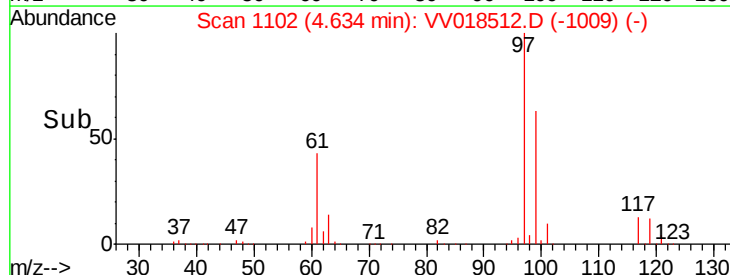
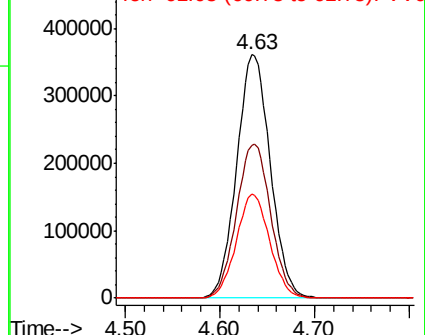
61 42.7 33.9 50.9

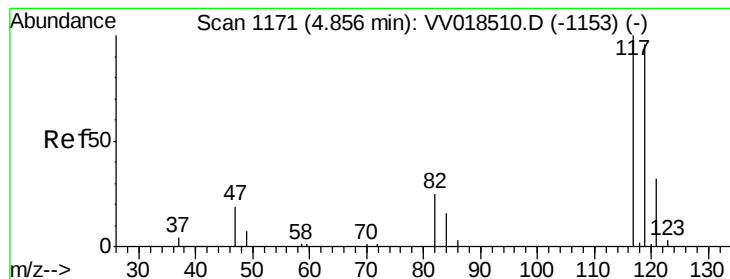


Abundance Ion 97.00 (96.70 to 97.70): VV018512.D (-1009) (-)

Ion 99.00 (98.70 to 99.70): VV018512.D (-1009) (-)

Ion 61.05 (60.75 to 61.75): VV018512.D (-1009) (-)





#31

Carbon tetrachloride

Concen: 216.002 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

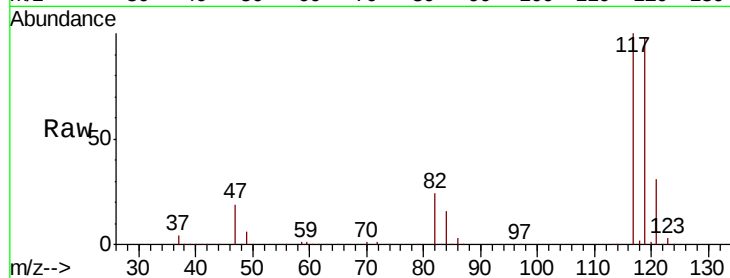
VSTD20063

Tot Ion:117 Resp: 814447

Ion Ratio Lower Upper

117 100

119 96.0 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

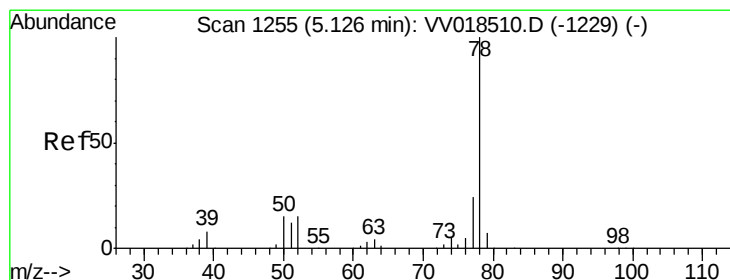
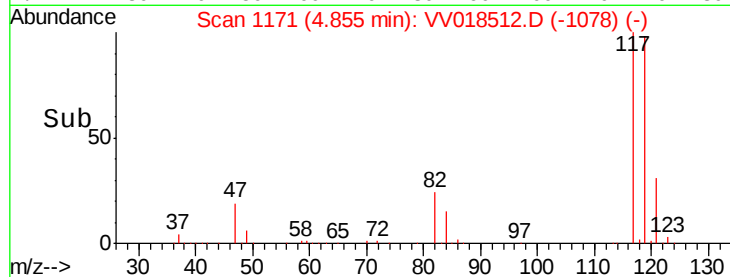
300000

200000

100000

0

Time-->



#33

Benzene

Concen: 198.692 ug/L

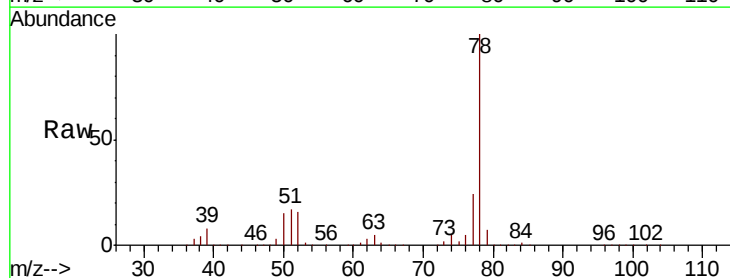
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Tgt Ion: 78 Resp: 2099028



Abundance Ion 78.00 (77.70 to 78.70): VV0

1000000

800000

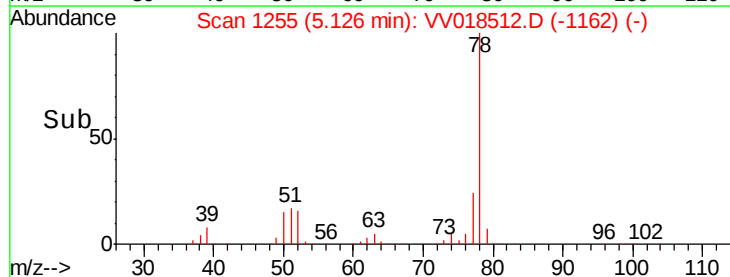
600000

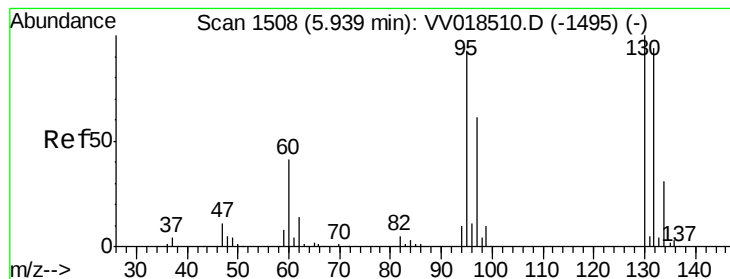
400000

200000

0

Time-->





#34

Trichloroethene

Concen: 202.486 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

Tot Ion: 95 Resp: 582718

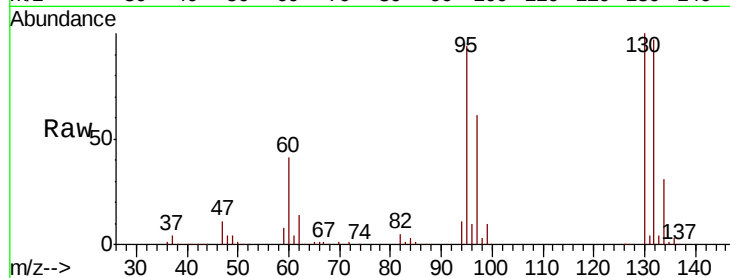
Ion Ratio Lower Upper

95 100

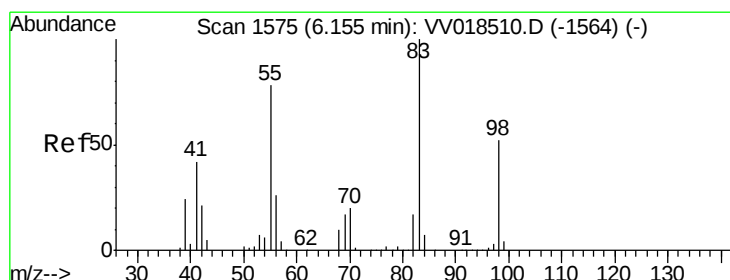
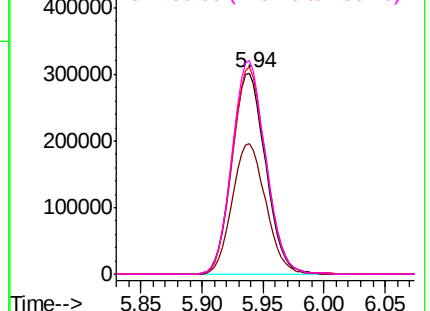
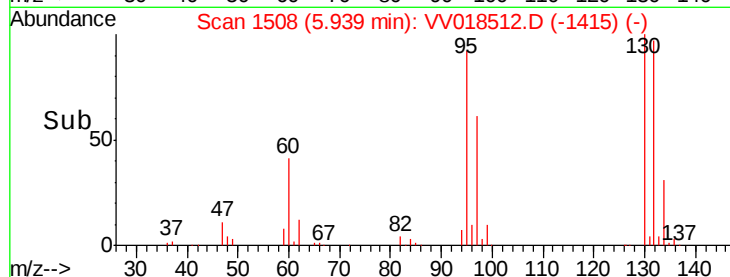
97 65.1 45.9 85.3

132 102.9 70.8 131.4

130 106.0 75.3 139.8



Abundance Ion 95.00 (94.70 to 95.70): VV018512.D (-1415) (-)



#35

Methylcyclohexane

Concen: 195.431 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

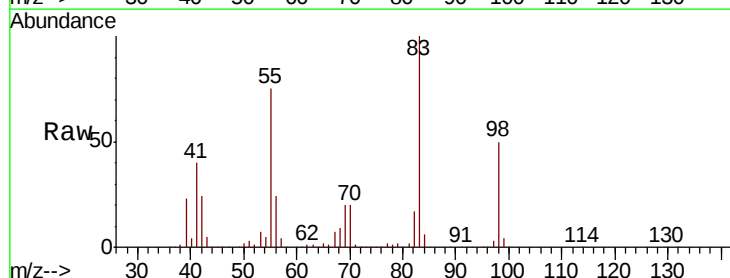
Tgt Ion: 83 Resp: 846806

Ion Ratio Lower Upper

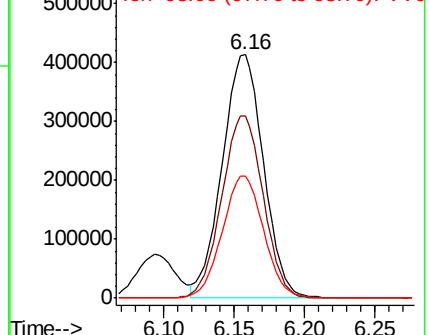
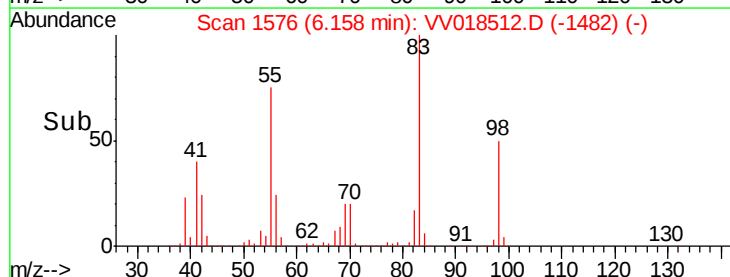
83 100

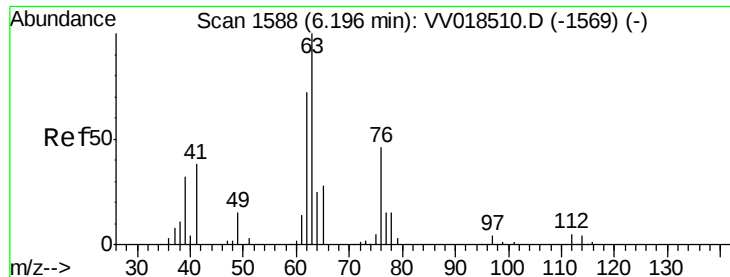
55 75.0 60.1 90.1

98 50.2 40.2 60.4



Abundance Ion 83.00 (82.70 to 83.70): VV018512.D (-1482) (-)

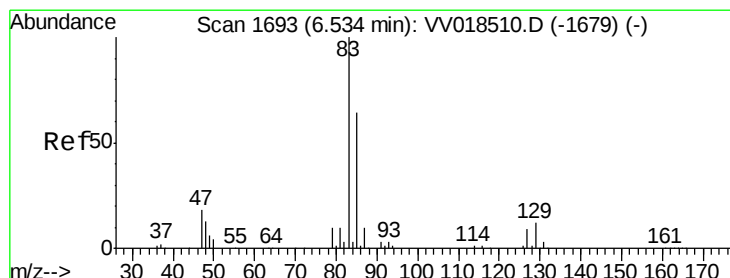
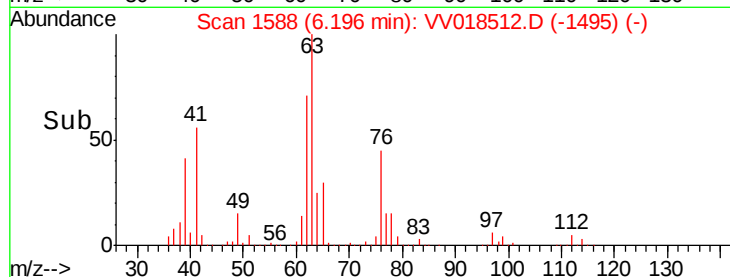
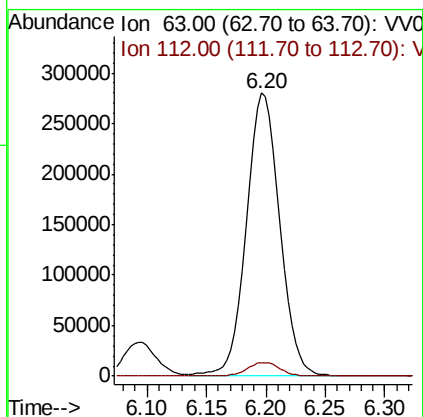
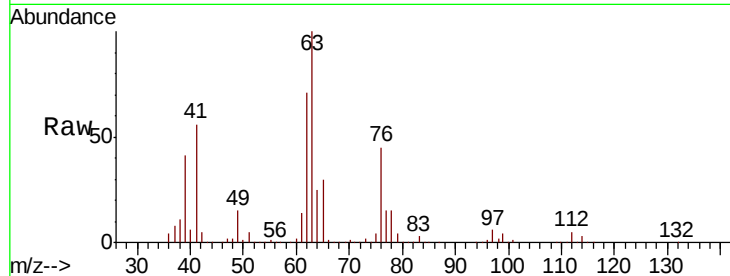




#37
 1,2-Dichloropropane
 Concen: 193.302 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018512.D
 Acq: 29 Sep 2020 13:01

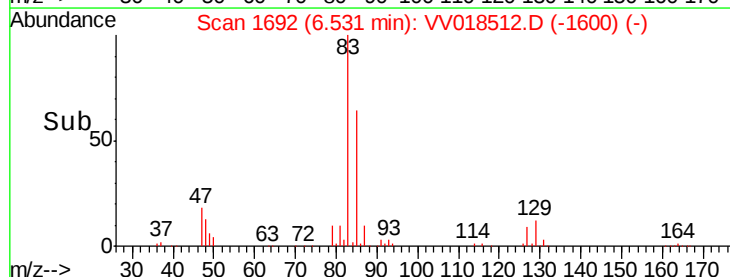
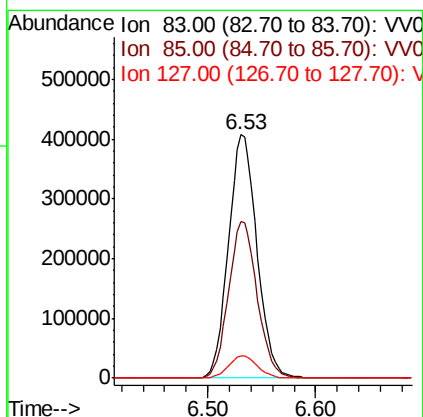
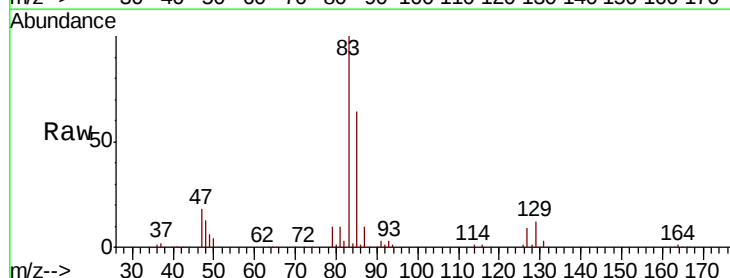
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

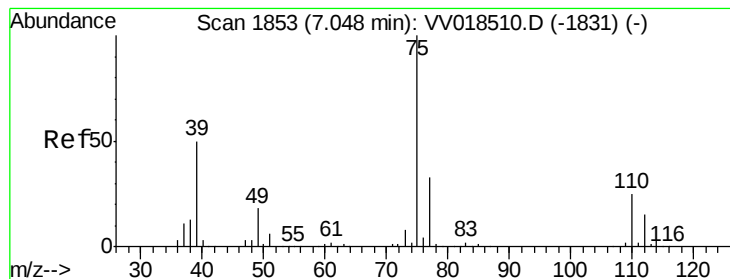
Tot Ion: 63 Resp: 541129
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 205.782 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018512.D
 Acq: 29 Sep 2020 13:01

Tgt Ion: 83 Resp: 749657
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.5 82.7
 127 9.1 7.2 10.8



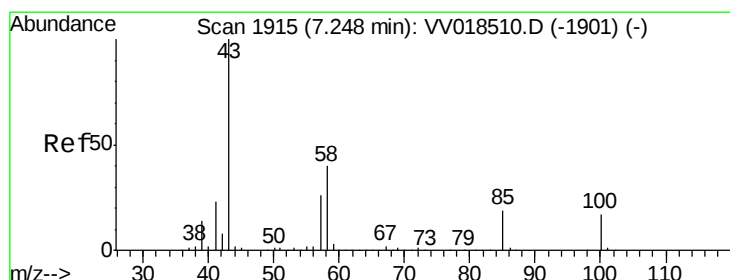
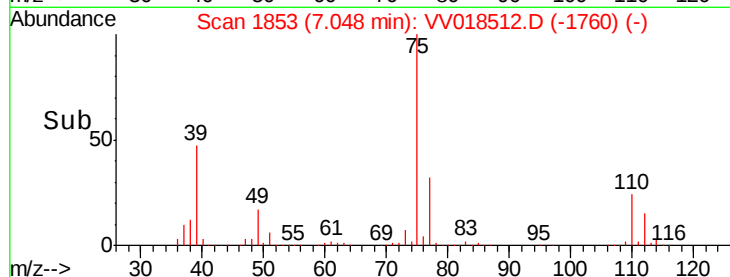
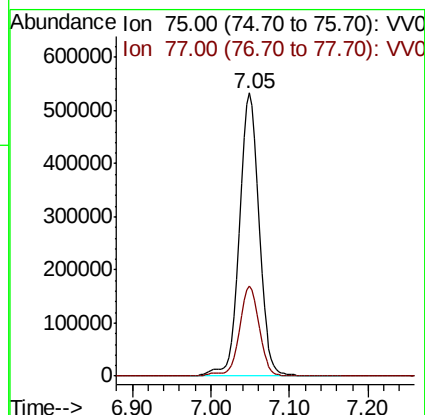
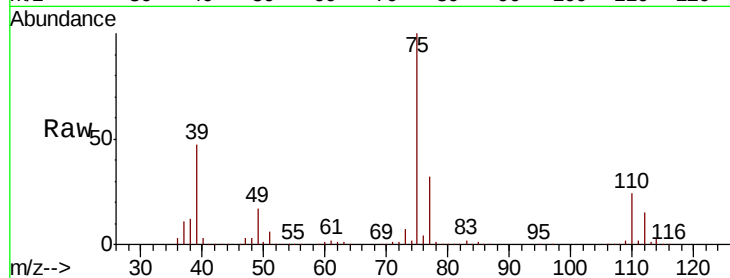


#39

cis-1,3-Dichloropropene
 Concen: 214.981 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018512.D
 Acq: 29 Sep 2020 13:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

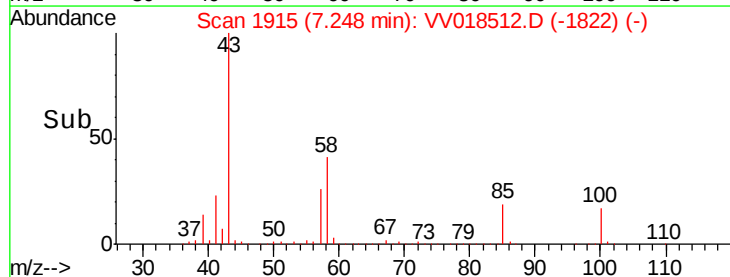
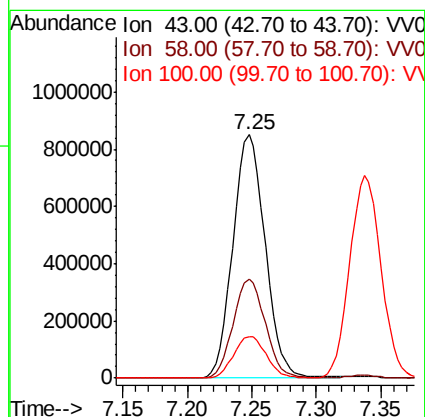
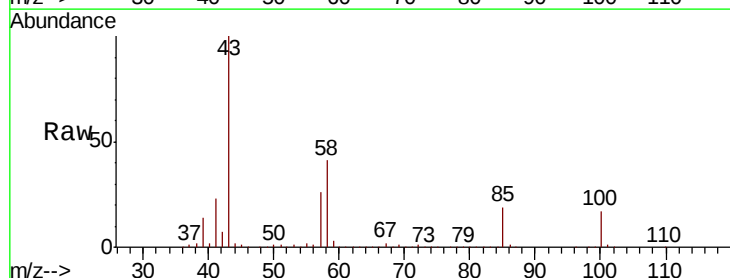
Tot Ion: 75 Resp: 927263
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.0 42.6

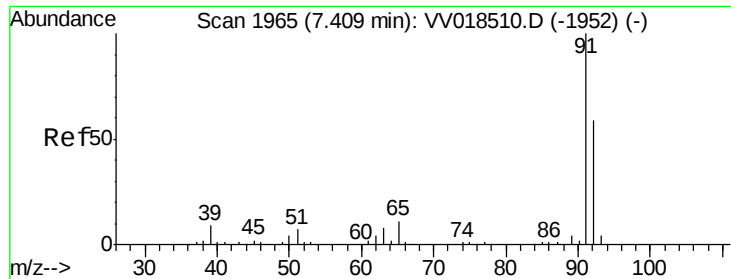


#40

4-Methyl-2-pentanone
 Concen: 436.472 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV018512.D
 Acq: 29 Sep 2020 13:01

Tgt Ion: 43 Resp: 1482315
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.8 47.6
 100 17.3 13.4 20.0





#42

Toluene

Concen: 208.202 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

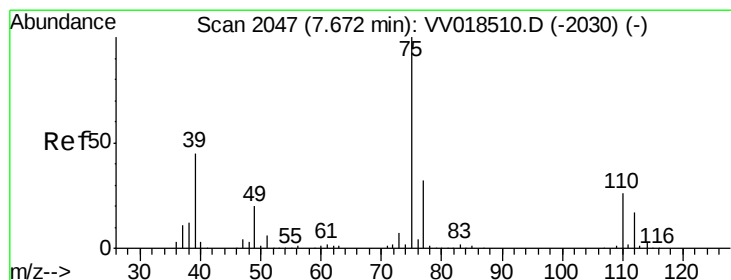
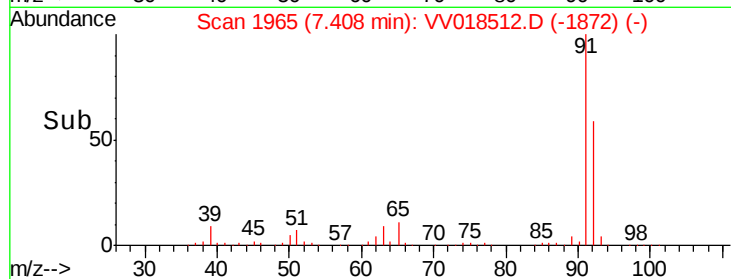
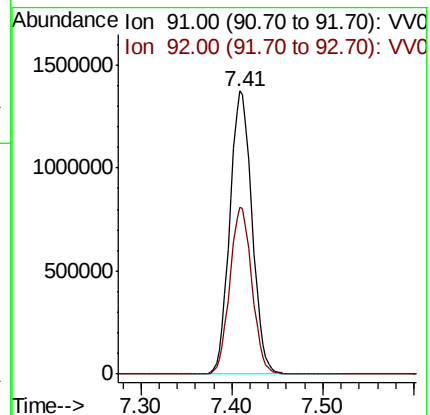
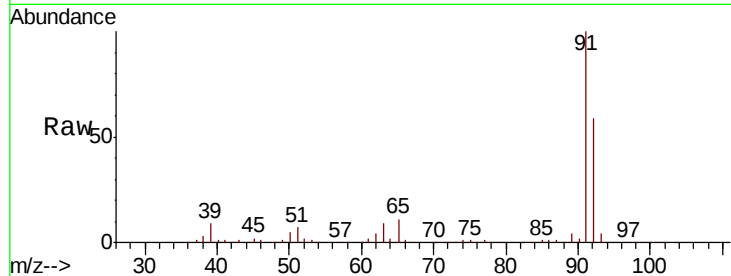
VSTD20063

Tot Ion: 91 Resp: 2327658

Ion Ratio Lower Upper

91 100

92 59.1 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 217.463 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018512.D

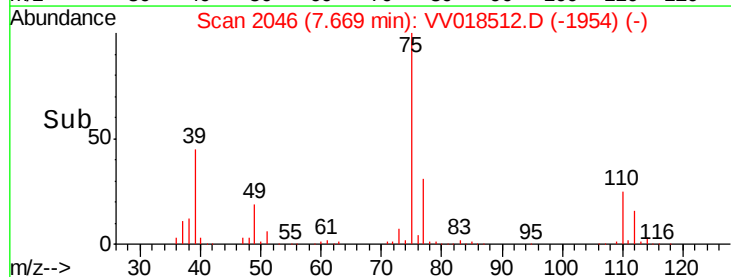
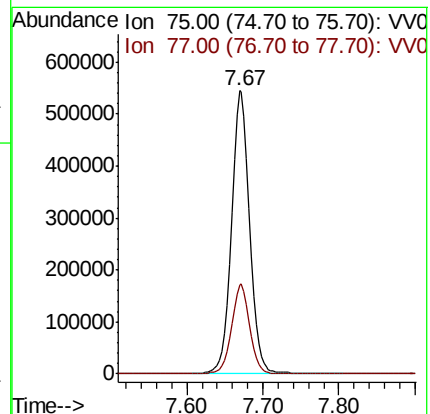
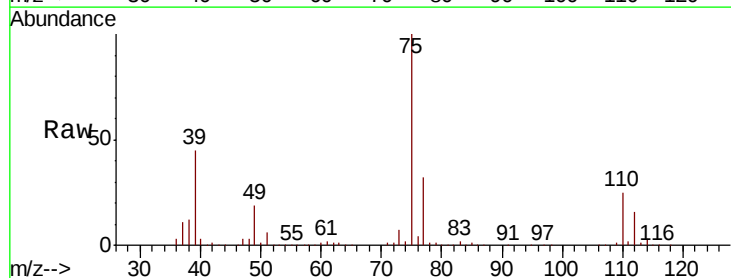
Acq: 29 Sep 2020 13:01

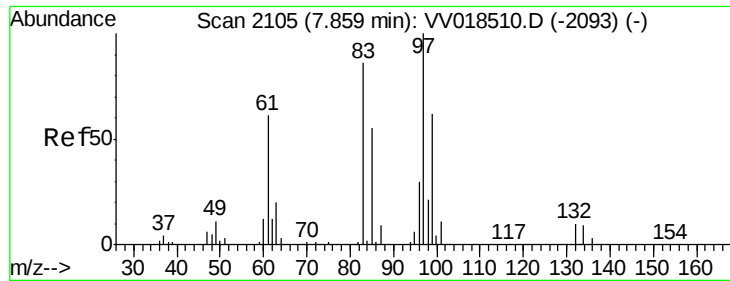
Tgt Ion: 75 Resp: 913259

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.1

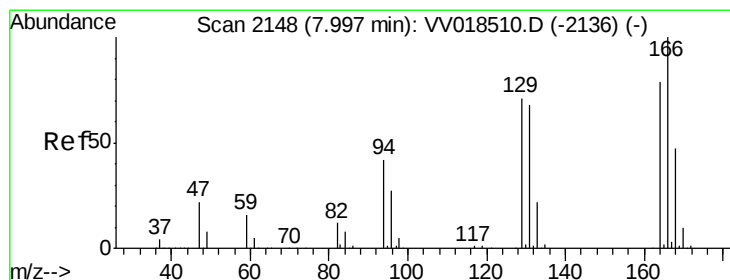
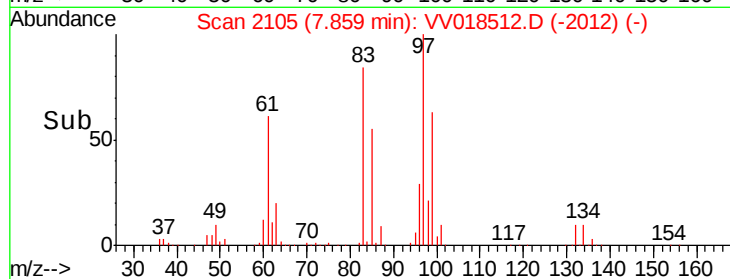
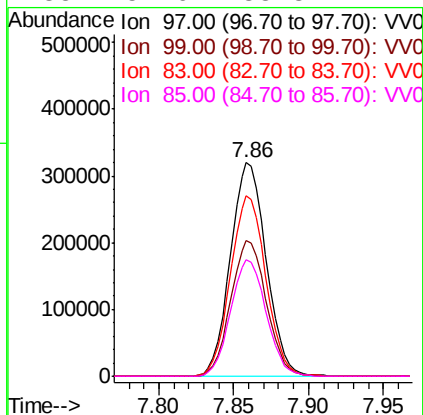
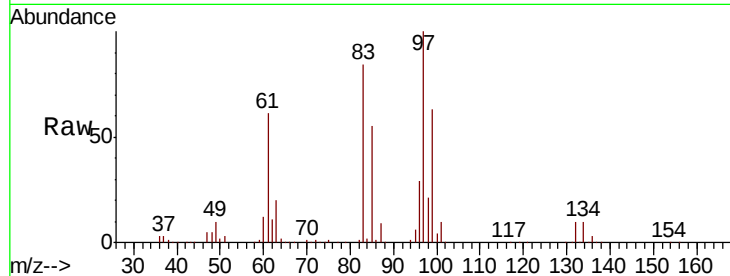




#45
 1,1,2-Trichloroethane
 Concen: 205.422 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018512.D
 Acq: 29 Sep 2020 13:01

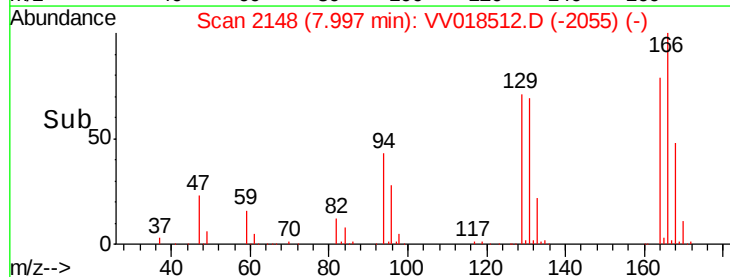
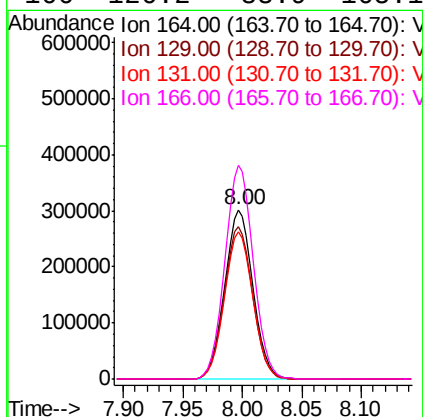
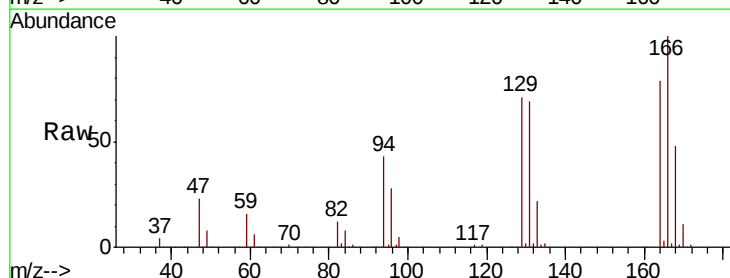
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD20063

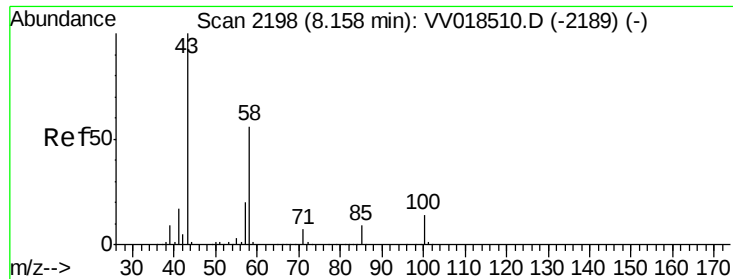
Tot Ion:	97	Resp:	533007
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.3	80.3
83	84.2	60.5	112.5
85	54.6	38.3	71.1



#46
 Tetrachloroethene
 Concen: 219.044 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018512.D
 Acq: 29 Sep 2020 13:01

Tgt Ion:	164	Resp:	494258
Ion	Ratio	Lower	Upper
164	100		
129	89.9	62.8	116.6
131	86.9	60.8	112.8
166	126.2	88.9	165.1

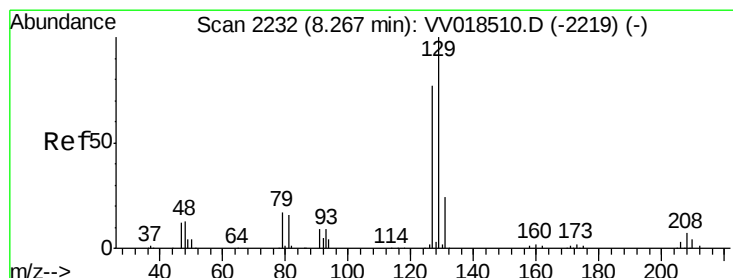
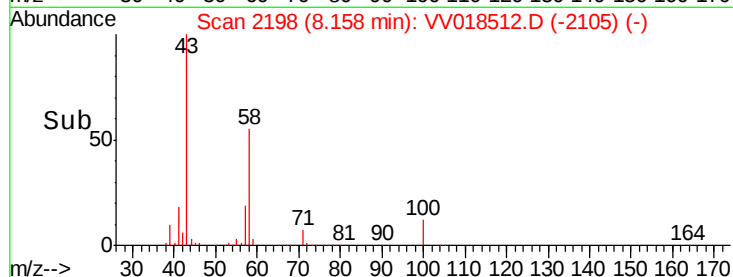
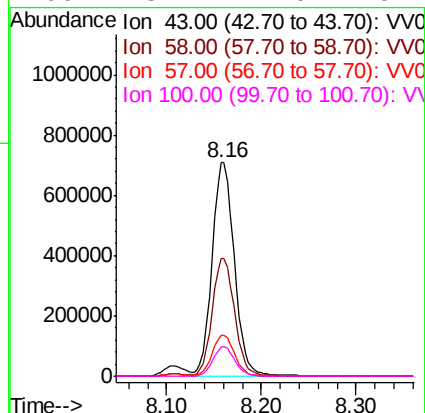
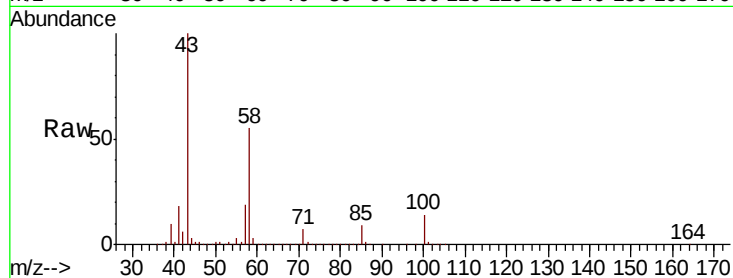




#48
2-Hexanone
Concen: 433.095 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

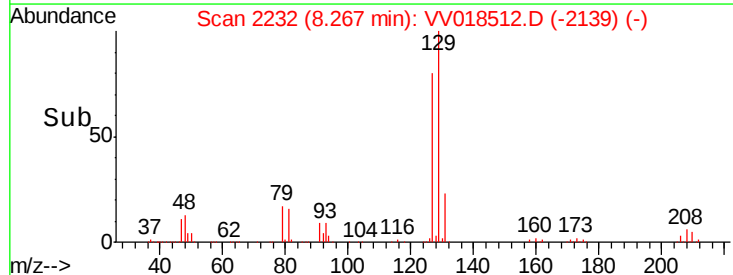
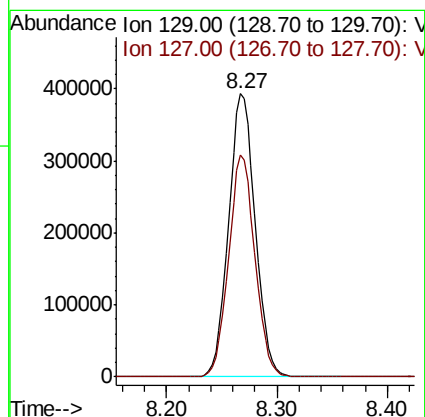
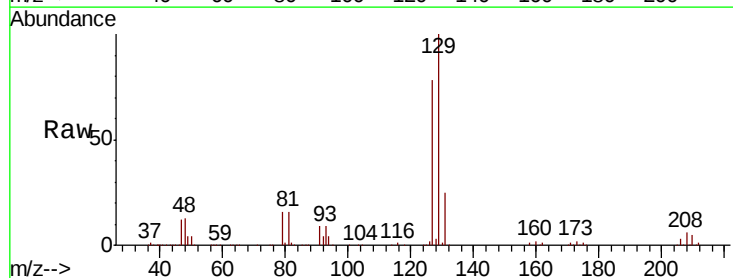
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

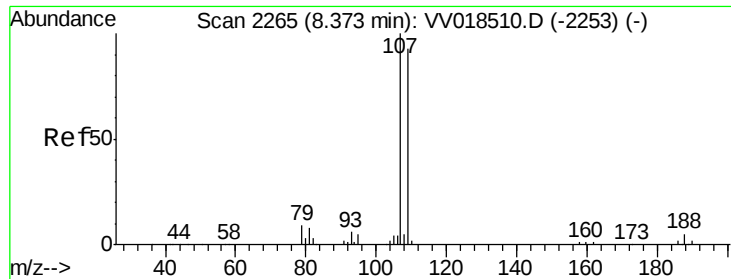
Tot Ion: 43 Resp: 1159589
Ion Ratio Lower Upper
43 100
58 55.8 45.1 67.7
57 19.4 15.7 23.5
100 13.7 11.0 16.4



#49
Dibromochloromethane
Concen: 225.560 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

Tgt Ion: 129 Resp: 656941
Ion Ratio Lower Upper
129 100
127 78.2 54.1 100.5

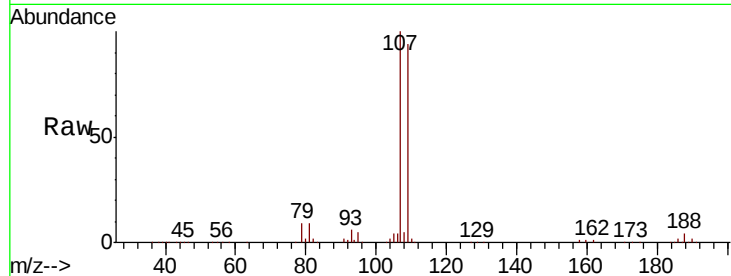




#50
1,2-Dibromoethane
Concen: 216.369 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	65.1	120.9
188	4.3	3.7	5.5

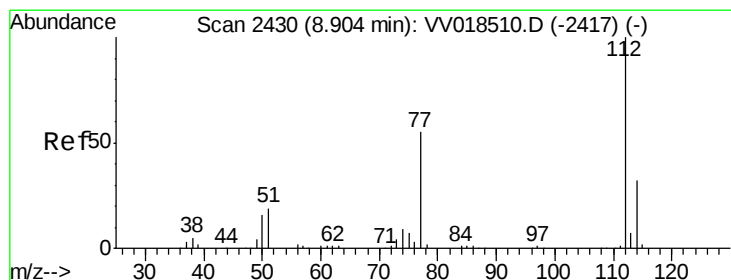
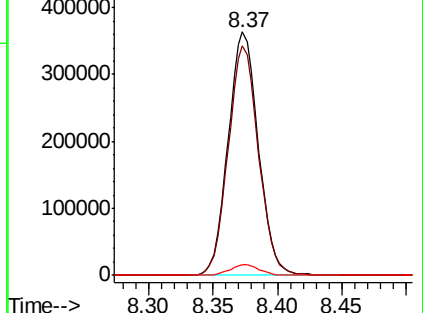
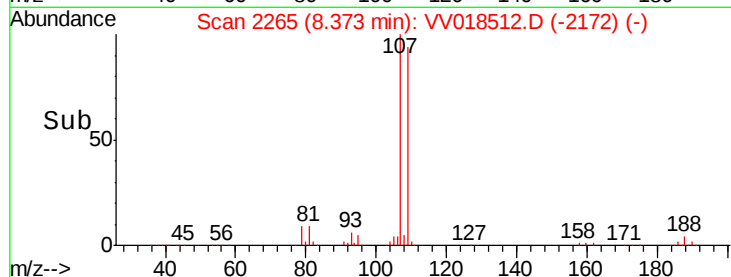


Abundance

Ion 107.00 (106.70 to 107.70): V

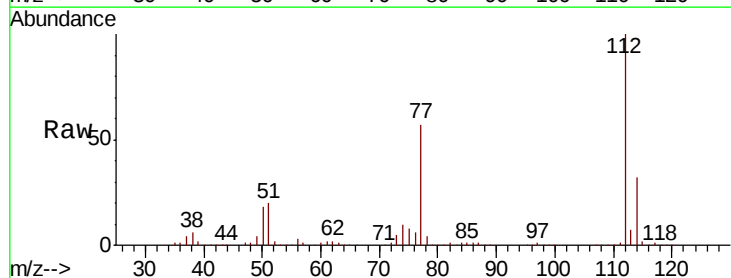
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 211.294 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018512.D
Acq: 29 Sep 2020 13:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.4	41.6
77	57.2	44.8	67.2

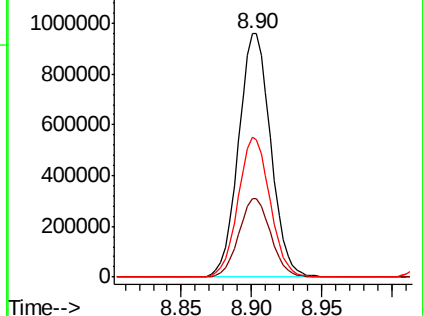
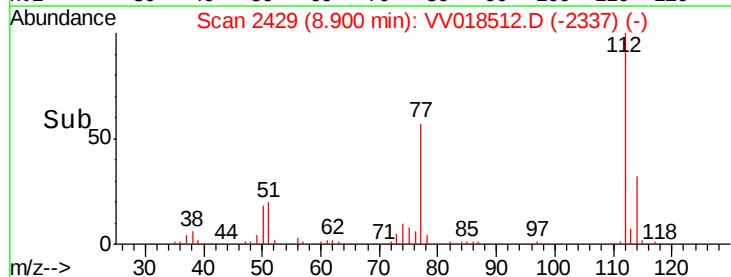


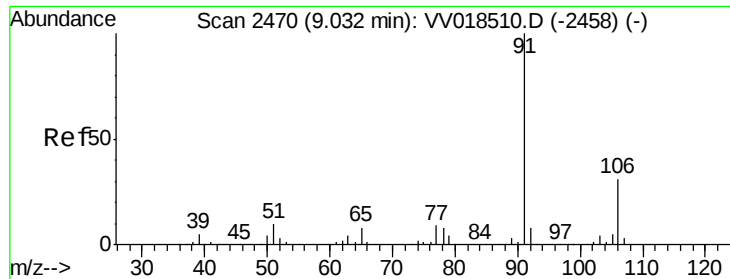
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 215.175 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

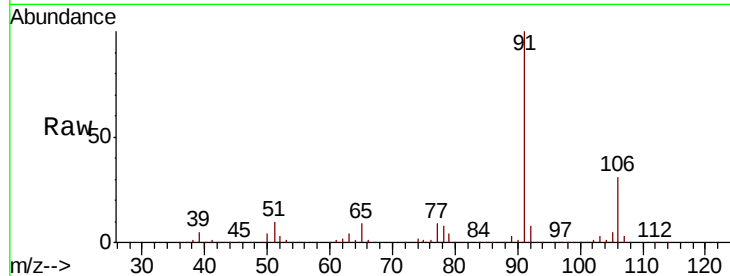
VSTD20063

Tot Ion: 91 Resp: 2626343

Ion Ratio Lower Upper

91 100

106 31.3 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018512.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV018512.D (-2458) (-)

2000000

1500000

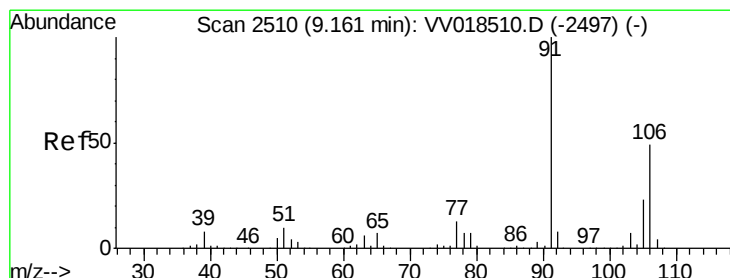
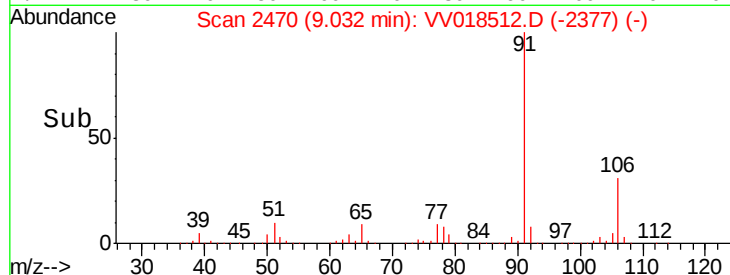
1000000

500000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 222.365 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018512.D

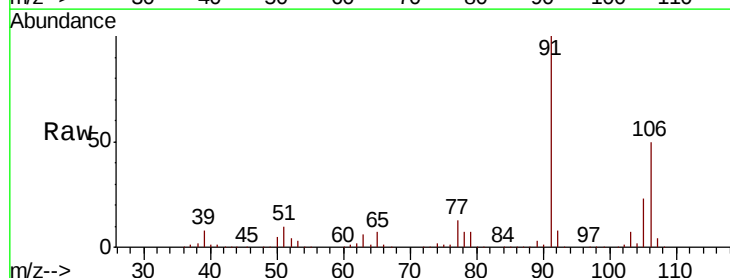
Acq: 29 Sep 2020 13:01

Tgt Ion:106 Resp: 1013048

Ion Ratio Lower Upper

106 100

91 201.4 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018512.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV018512.D (-2497) (-)

1500000

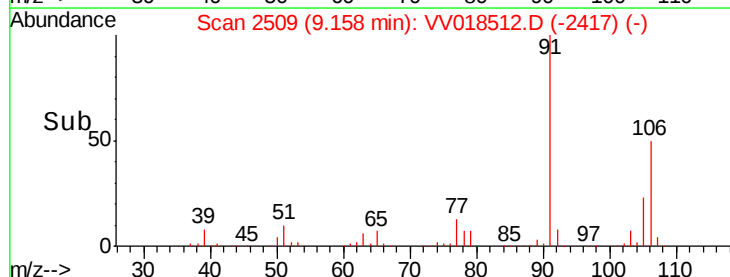
1000000

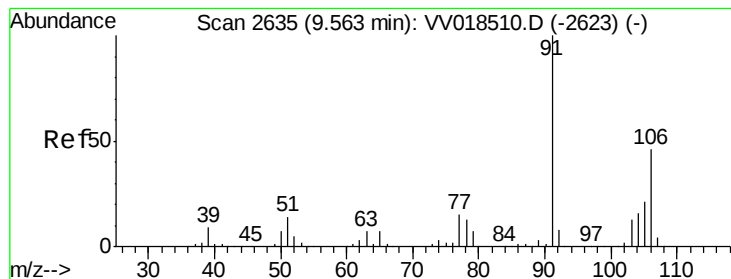
500000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 220.752 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

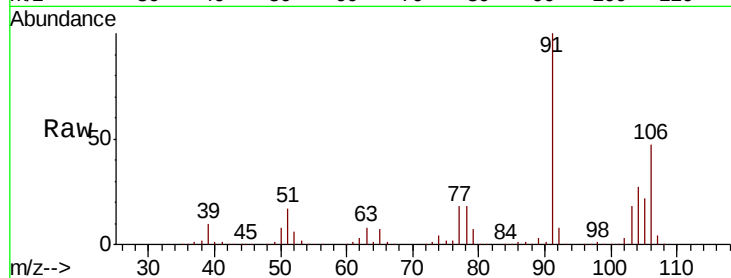
VSTD20063

Tot Ion:106 Resp: 968883

Ion Ratio Lower Upper

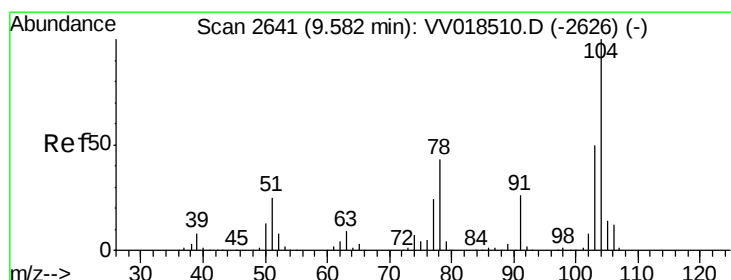
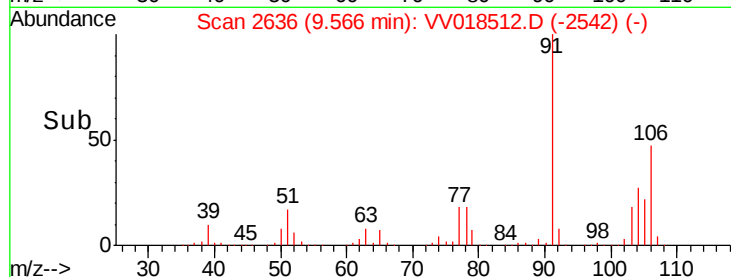
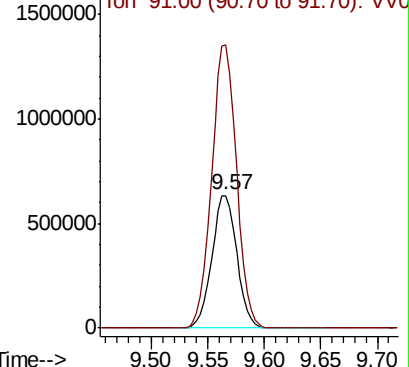
106 100

91 213.0 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 227.207 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV018512.D

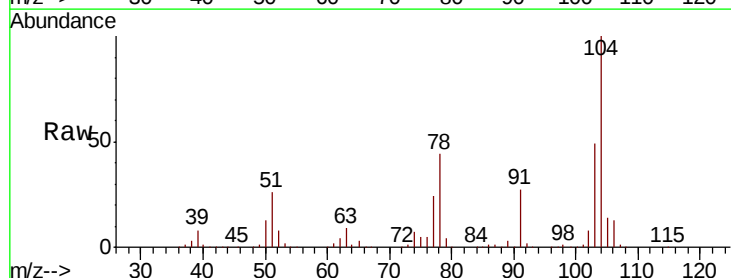
Acq: 29 Sep 2020 13:01

Tgt Ion:104 Resp: 1733279

Ion Ratio Lower Upper

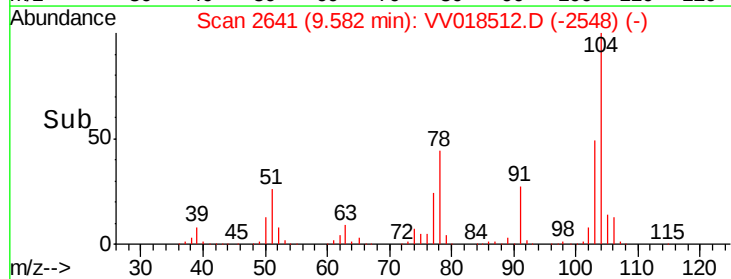
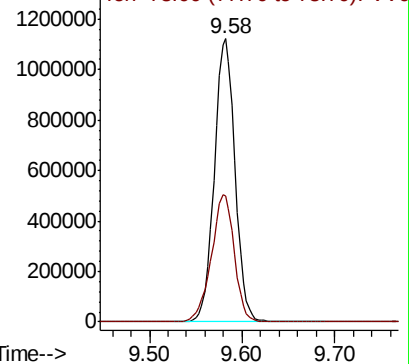
104 100

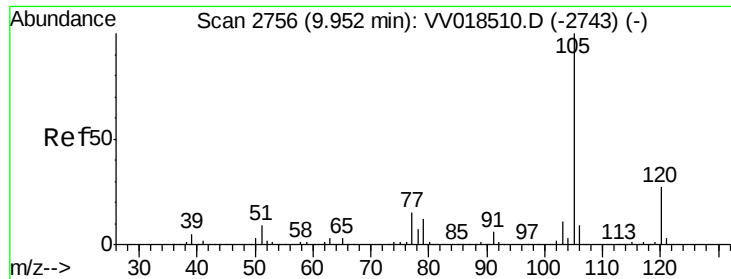
78 44.5 30.2 56.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 220.368 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

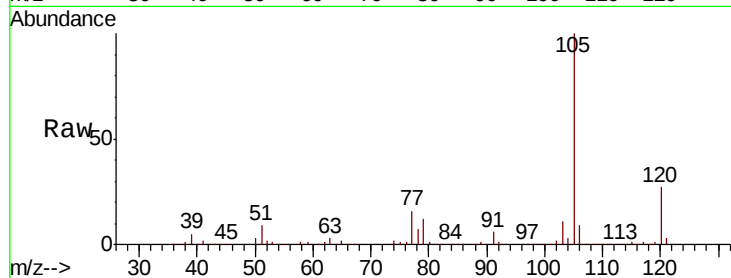
Tot Ion:105 Resp: 2606676

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

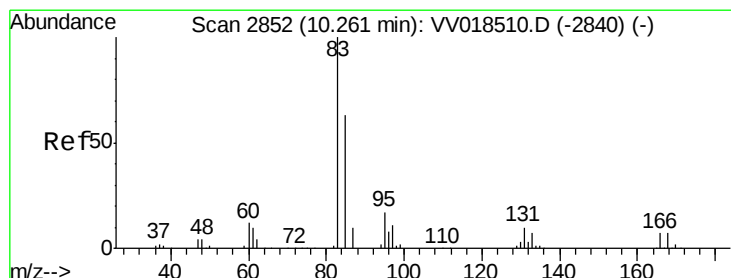
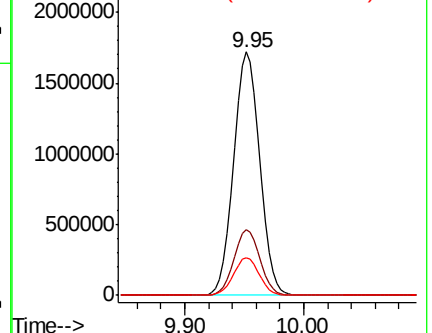
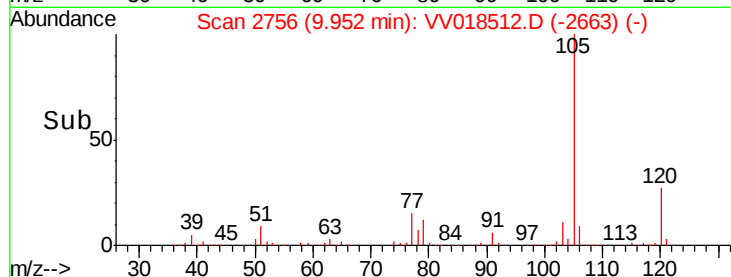
77 15.4 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 212.810 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

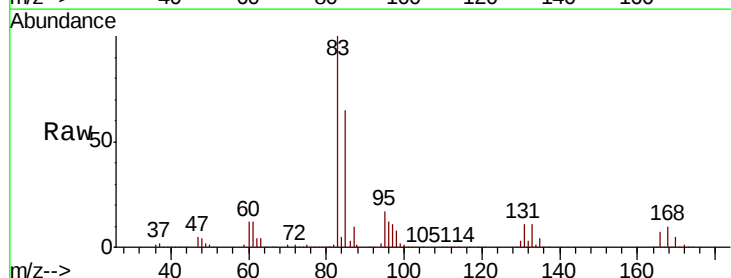
Tgt Ion: 83 Resp: 816797

Ion Ratio Lower Upper

83 100

85 64.9 44.5 82.7

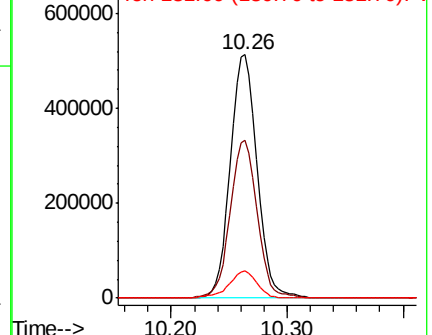
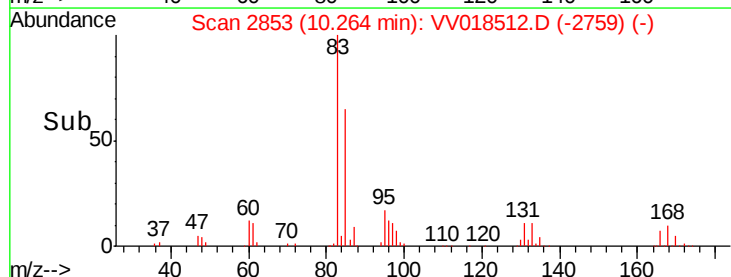
131 11.0 8.6 12.8

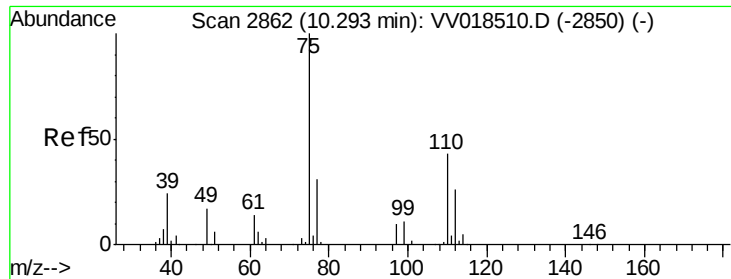


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 202.535 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

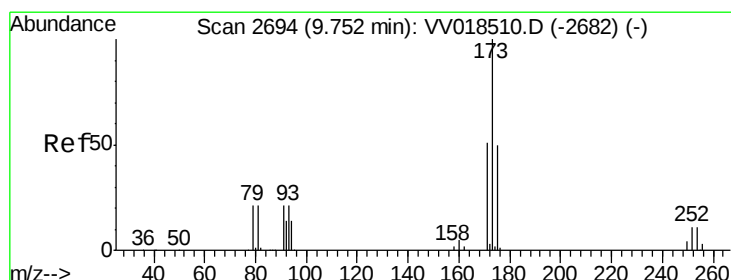
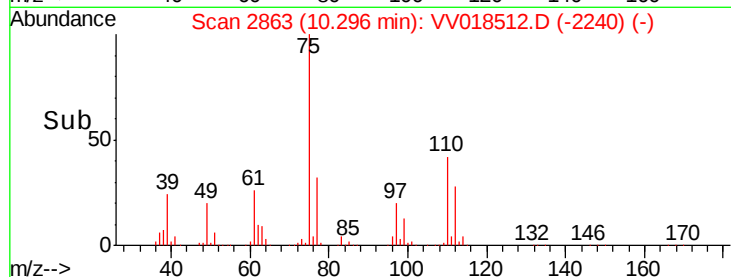
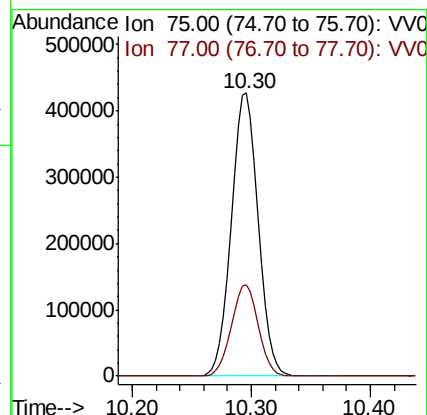
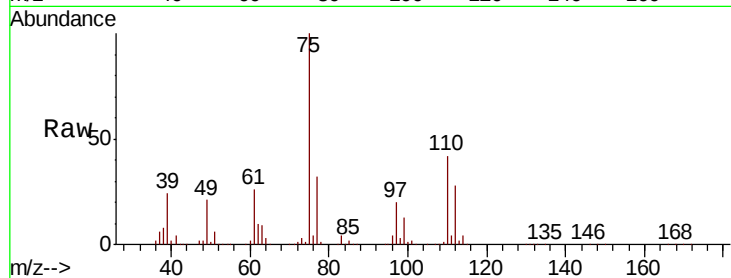
VSTD20063

Tot Ion: 75 Resp: 666865

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#61

Bromoform

Concen: 228.871 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

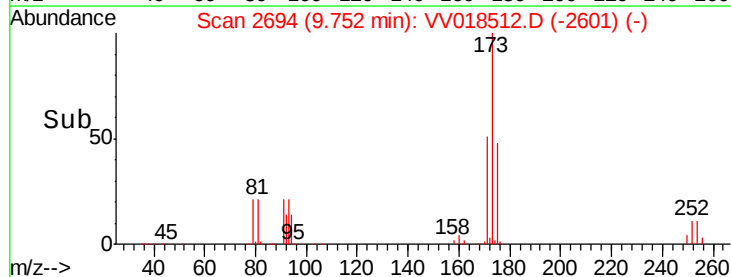
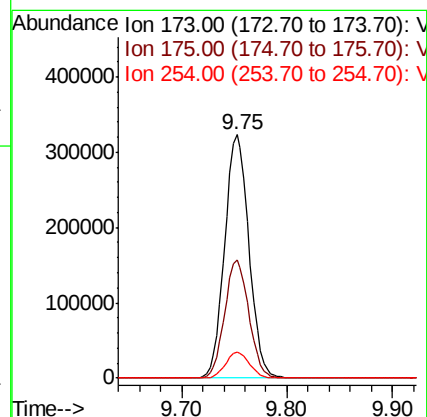
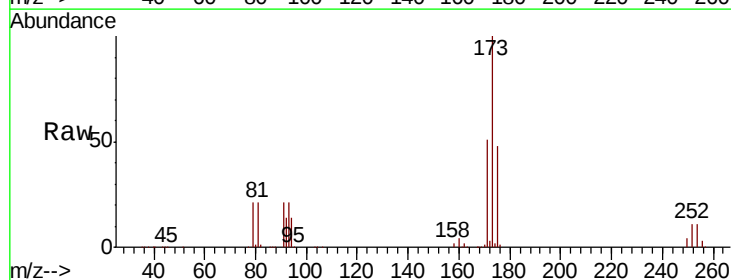
Tgt Ion: 173 Resp: 514948

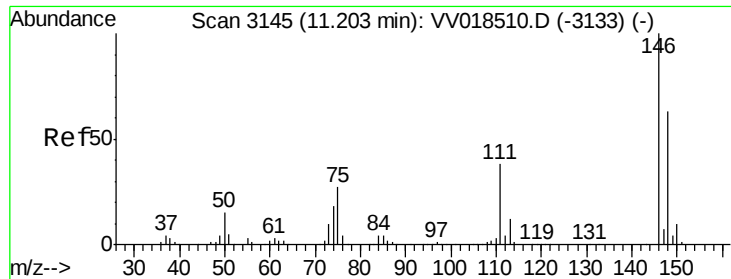
Ion Ratio Lower Upper

173 100

175 48.4 39.8 59.8

254 10.5 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 209.441 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

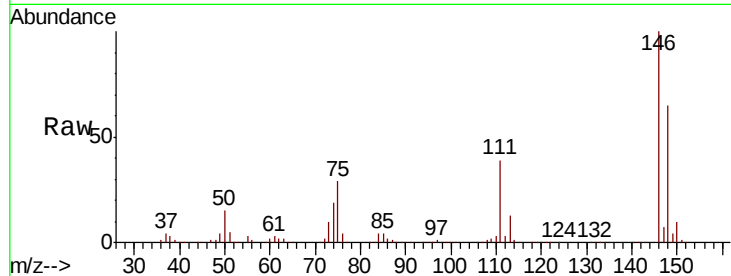
Tot Ion:146 Resp: 1304348

Ion Ratio Lower Upper

146 100

111 39.4 26.8 49.8

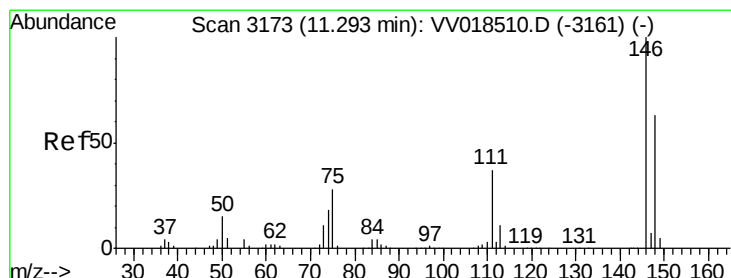
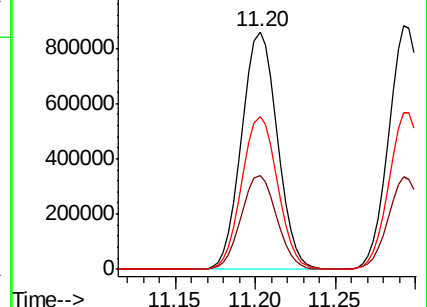
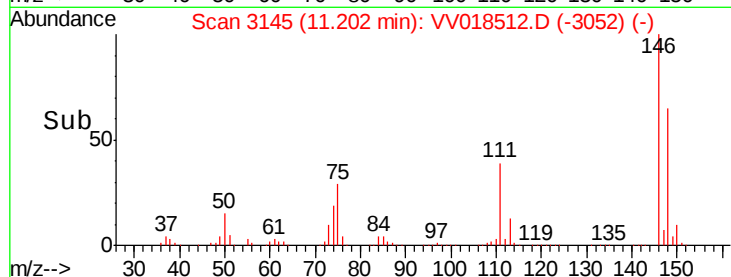
148 64.5 44.0 81.8



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: 209.398 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

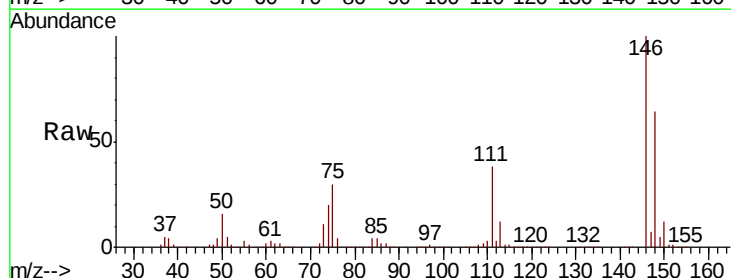
Tgt Ion:146 Resp: 1340416

Ion Ratio Lower Upper

146 100

111 37.9 26.2 48.6

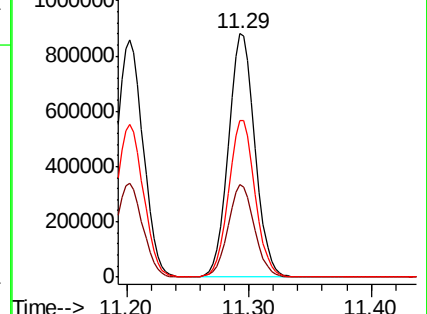
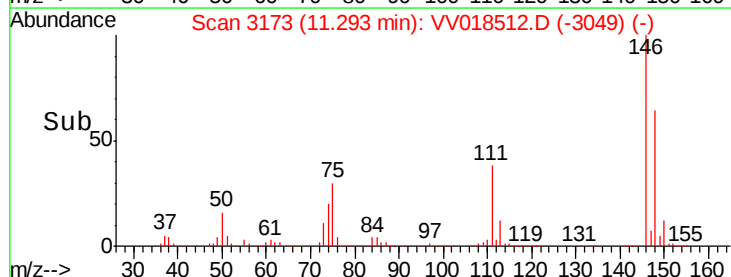
148 64.3 44.4 82.5

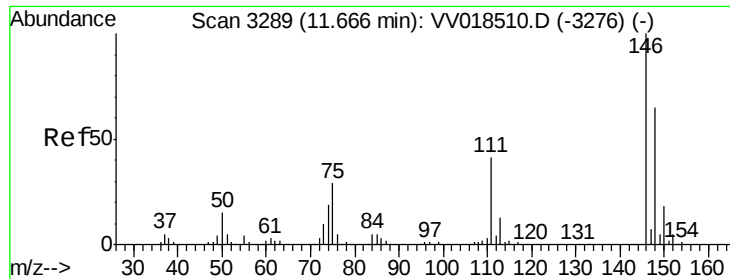


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 206.107 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

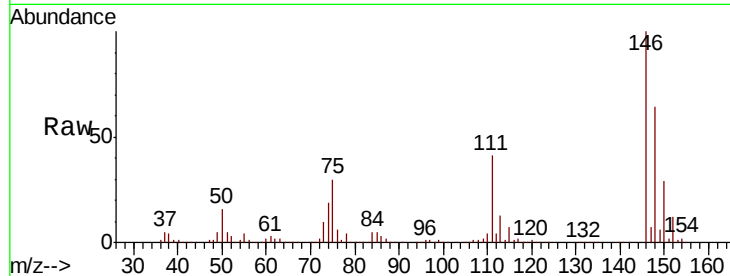
Tot Ion:146 Resp: 1297419

Ion Ratio Lower Upper

146 100

111 40.6 32.8 49.2

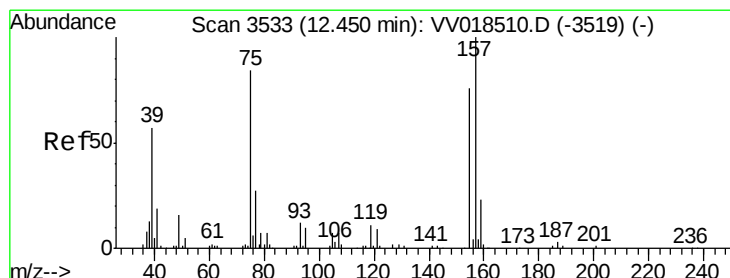
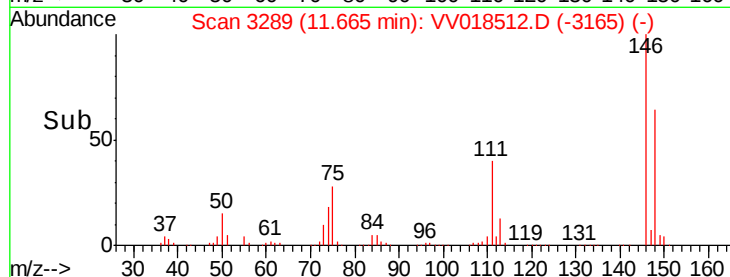
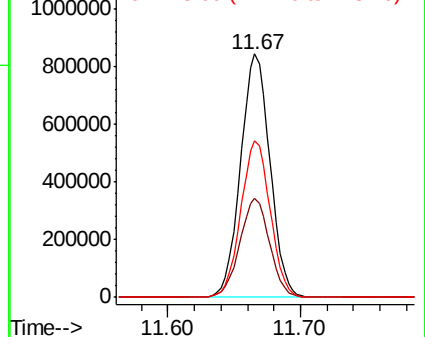
148 64.2 51.9 77.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 229.751 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

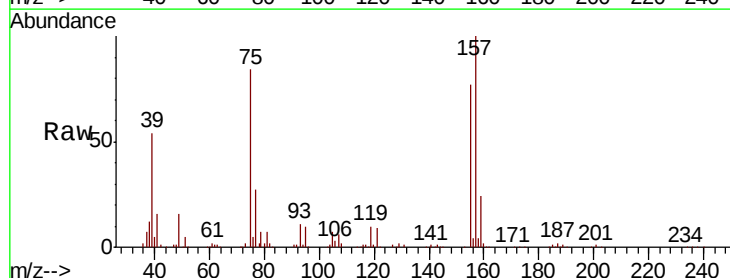
Tgt Ion: 75 Resp: 204087

Ion Ratio Lower Upper

75 100

155 92.2 73.0 109.6

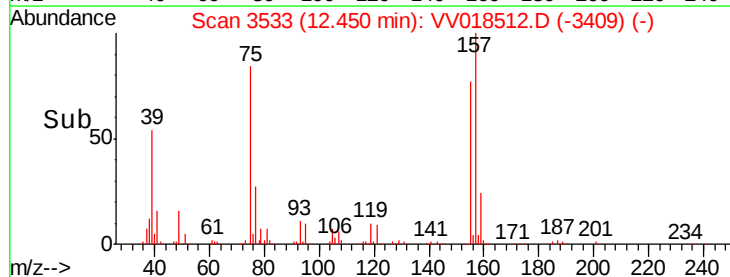
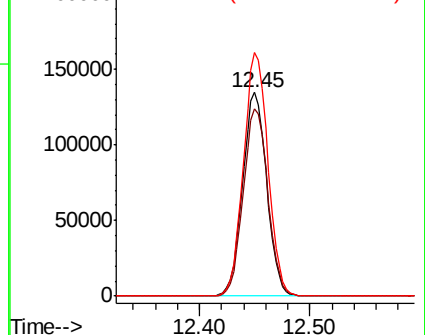
157 119.6 95.8 143.6

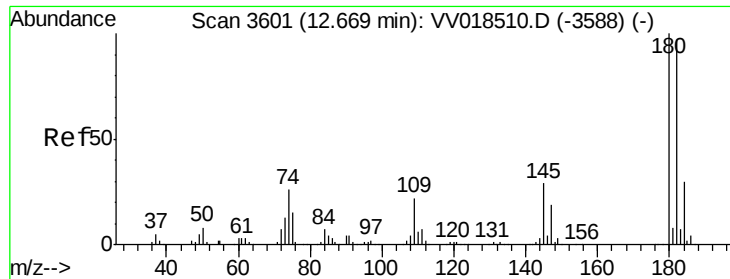


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

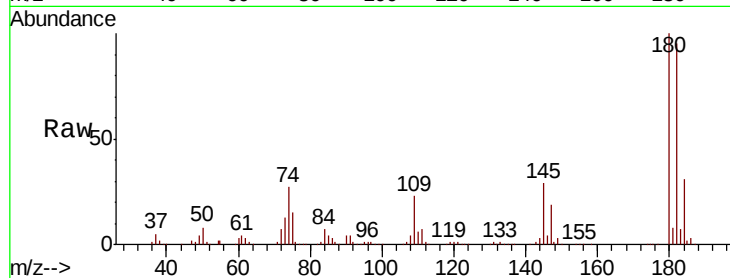




#67
 1,3,5-Trichlorobenzene
 Concen: 192.137 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018512.D
 Acq: 29 Sep 2020 13:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.1	115.7
184	30.5	24.3	36.5
145	29.2	22.9	34.3



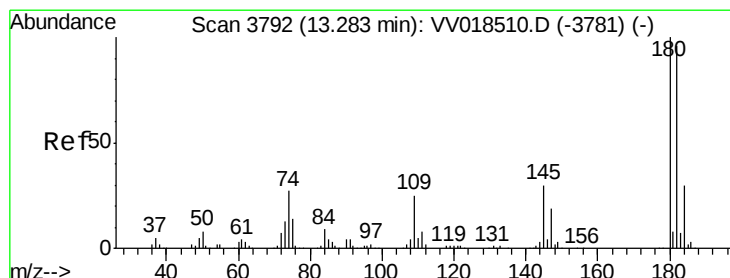
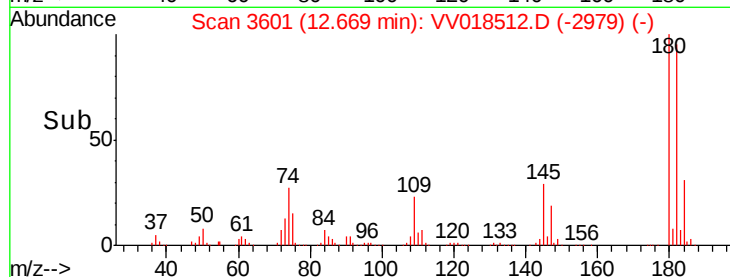
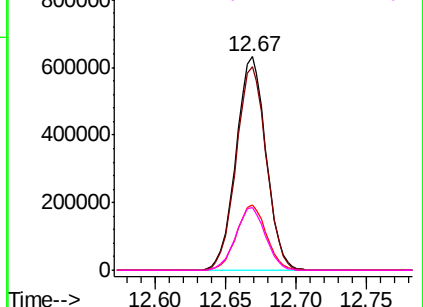
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

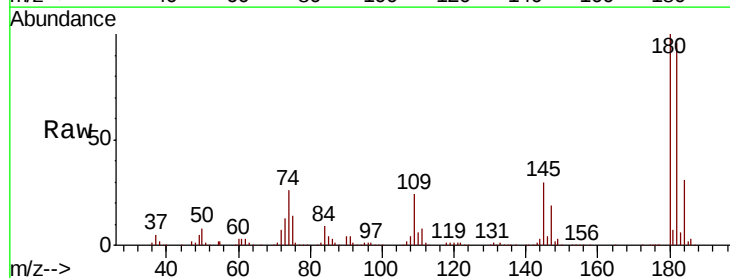
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 209.665 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018512.D
 Acq: 29 Sep 2020 13:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.3	114.5
145	29.7	23.6	35.4

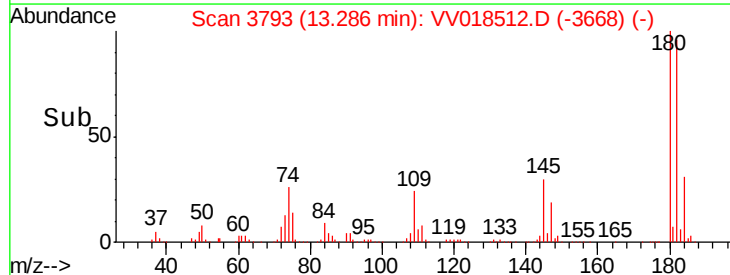
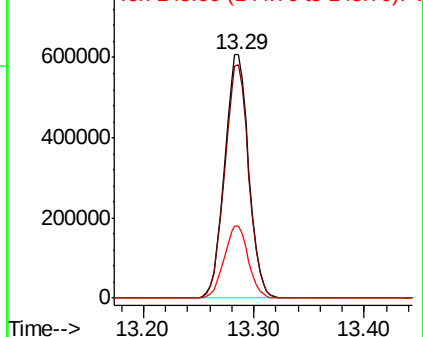


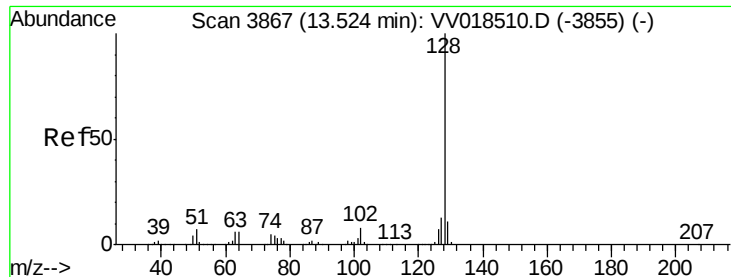
Abundance

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: 258.379 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Instrument :

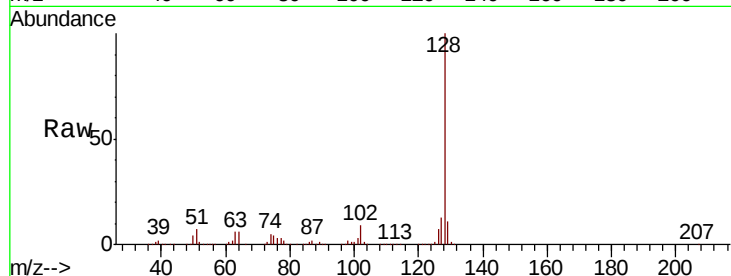
MSVOA_V

ClientSampleId :

VSTD20063

Tot Ion:128 Resp: 2858371

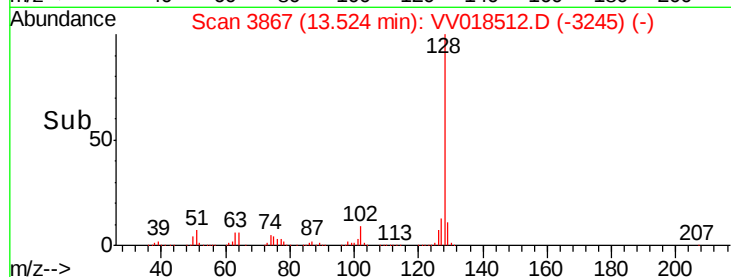
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.1	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

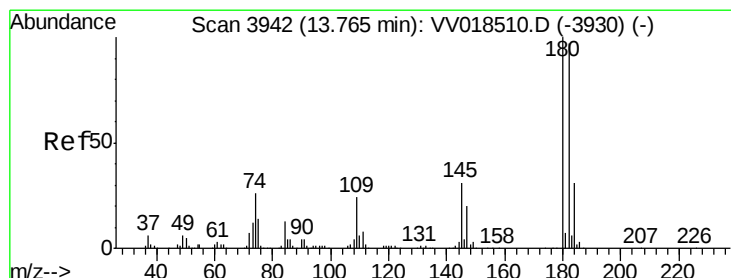
Ion 129.00 (128.70 to 129.70): V



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: 211.161 ug/L

RT: 13.77 min Scan# 3943

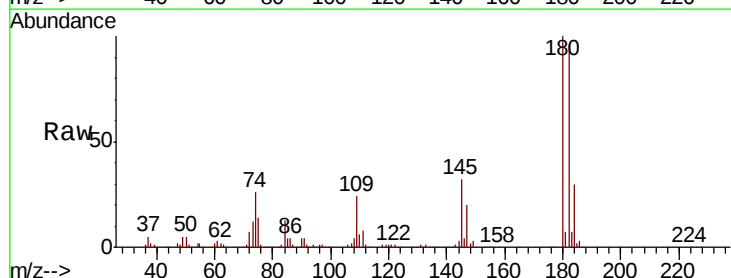
Delta R.T. 0.00 min

Lab File: VV018512.D

Acq: 29 Sep 2020 13:01

Tgt Ion:180 Resp: 909298

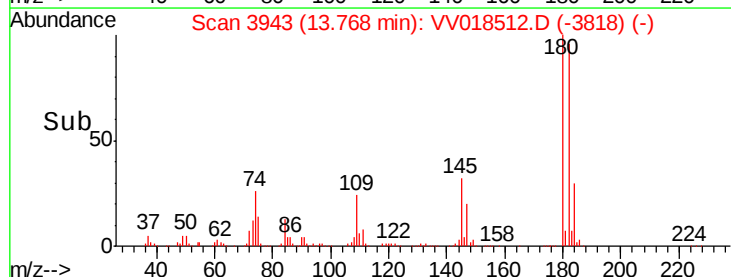
Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.1	115.7
145	31.5	25.1	37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



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