

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101420\NOT REVIEWED DATA\
 Data File : VV018895.D
 Acq On : 14 Oct 2020 14:45
 Operator : SY/MD
 Sample : VSTD20064
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20005

Quant Time: Oct 14 15:27:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 14 15:16:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	375145	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	372868	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	204402	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	582988	188.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	377.58%#
7) Chloroethane-d5	1.58	69	453343	185.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	370.58%#
11) 1,1-Dichloroethene-d2	2.12	63	1100160	188.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	377.44%#
21) 2-Butanone-d5	3.91	46	870288	404.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	404.32%#
24) Chloroform-d	4.37	84	1056927	190.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	380.98%#
26) 1,2-Dichloroethane-d4	5.05	65	707740	192.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	384.36%#
32) Benzene-d6	5.07	84	2072276	190.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	380.74%#
36) 1,2-Dichloropropane-d6	6.09	67	670710	192.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	385.42%#
41) Toluene-d8	7.34	98	1927972	197.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	394.88%#
43) trans-1,3-Dichloropropene-	7.64	79	360788	212.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	424.16%#
47) 2-Hexanone-d5	8.11	63	639414	494.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	494.57%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	876598	214.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	429.82%#
64) 1,2-Dichlorobenzene-d4	11.65	152	789805	189.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	379.84%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	621003	191.173 ug/L	99
3) Chloromethane	1.25	50	685443	187.100 ug/L	99
5) Vinyl chloride	1.32	62	672351	189.883 ug/L	99
6) Bromomethane	1.53	94	413083	191.212 ug/L	100
8) Chloroethane	1.60	64	406358	191.347 ug/L	99
9) Trichlorofluoromethane	1.76	101	895501	191.609 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	465806	191.402 ug/L	98
12) 1,1-Dichloroethene	2.13	96	470449	190.755 ug/L	91
13) Acetone	2.20	43	556975	354.120 ug/L	98
14) Carbon disulfide	2.31	76	1604795	190.994 ug/L	100
15) Methyl Acetate	2.45	43	623473	192.966 ug/L	99
16) Methylene chloride	2.52	84	554790	187.513 ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	528724	193.126 ug/L	97
18) Methyl tert-butyl Ether	2.78	73	1750586	202.384 ug/L	100
19) 1,1-Dichloroethane	3.21	63	1011501	189.914 ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	574436	197.971 ug/L	99
22) 2-Butanone	3.99	43	896689	419.298 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101420\NOT REVIEWED DATA\
 Data File : VV018895.D
 Acq On : 14 Oct 2020 14:45
 Operator : SY/MD
 Sample : VSTD20064
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

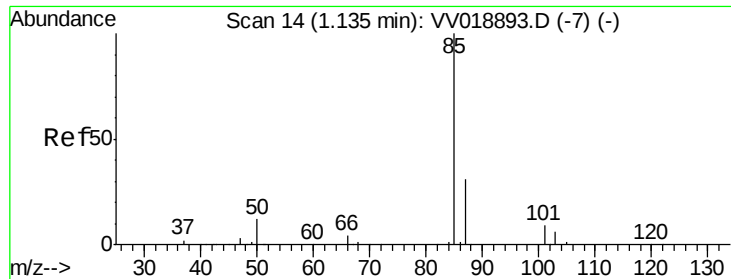
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20005

Quant Time: Oct 14 15:27:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 14 15:16:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	293273	195.705	ug/L	98
25) Chloroform	4.40	83	1009864	188.555	ug/L	98
27) 1,2-Dichloroethane	5.15	62	844525	193.029	ug/L	99
29) Cyclohexane	4.70	56	934982	211.000	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	891749	192.740	ug/L	99
31) Carbon tetrachloride	4.85	117	777850	197.533	ug/L	99
33) Benzene	5.12	78	2217954	194.047	ug/L	100
34) Trichloroethene	5.94	95	587686	178.296	ug/L	98
35) Methylcyclohexane	6.15	83	819177	205.205	ug/L	98
37) 1,2-Dichloropropane	6.20	63	603402	197.202	ug/L	99
38) Bromodichloromethane	6.53	83	777931	198.303	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	984304	214.087	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	1760491	417.214	ug/L	99
42) Toluene	7.41	91	2358636	199.795	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	968625	217.402	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	543783	191.058	ug/L	99
46) Tetrachloroethene	8.00	164	445102	191.610	ug/L	98
48) 2-Hexanone	8.16	43	1386231	414.335	ug/L	100
49) Dibromochloromethane	8.27	129	628092	208.445	ug/L	98
50) 1,2-Dibromoethane	8.37	107	581538	196.057	ug/L	99
51) Chlorobenzene	8.90	112	1485169	192.967	ug/L	99
52) Ethylbenzene	9.03	91	2626700	205.540	ug/L	99
53) m,p-Xylene	9.16	106	984398	206.760	ug/L	98
54) o-xylene	9.56	106	953775	209.393	ug/L	98
55) Styrene	9.58	104	1712181	213.707	ug/L	100
56) Isopropylbenzene	9.95	105	2515087	210.328	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	846054	218.921	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	721207	194.722	ug/L	100
61) Bromoform	9.75	173	470253	210.604	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	1223072	193.016	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	1257664	188.781	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1232317	192.757	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	207076	217.352	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	850556	199.820	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	817672	208.470	ug/L	100
69) Naphthalene	13.52	128	2532157	227.484	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	786069	200.496	ug/L	99

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV101420\NOT REVIEWED DATA\
Data File : VV018895.D
Acq On    : 14 Oct 2020  14:45
Operator  : SY/MD
Sample    : VSTD20064
Misc      : 5.0mL/MSVOA_V/WATER
ALS Vial  : 1      Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 191.173 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

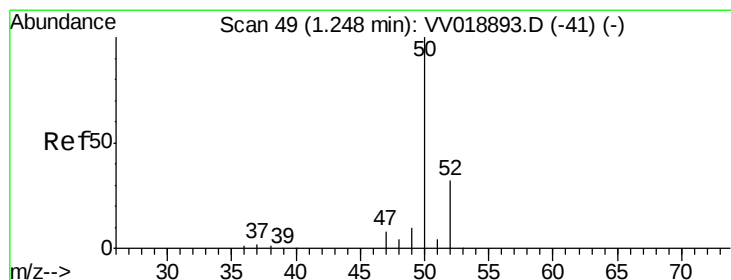
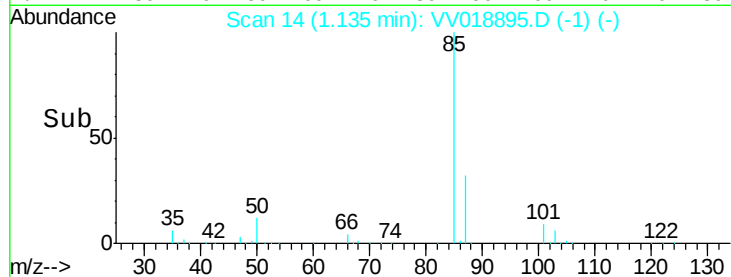
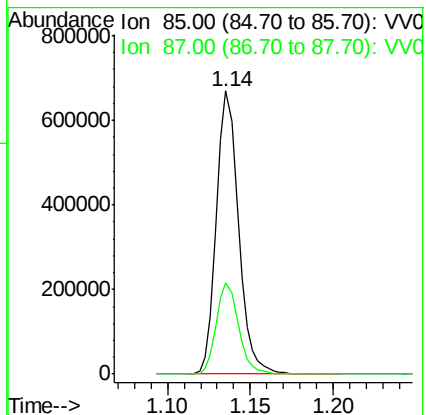
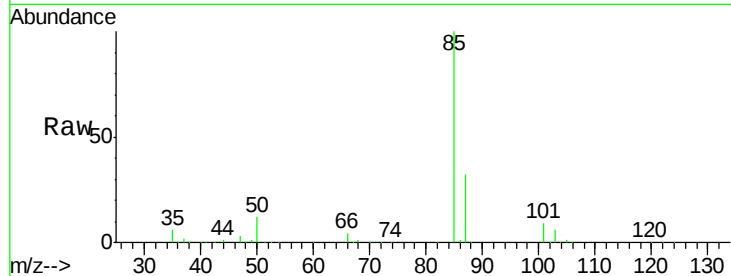
VSTD20005

Tgt Ion: 85 Resp: 621003

Ion Ratio Lower Upper

85 100

87 32.4 25.3 37.9



#3

Chloromethane

Concen: 187.100 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018895.D

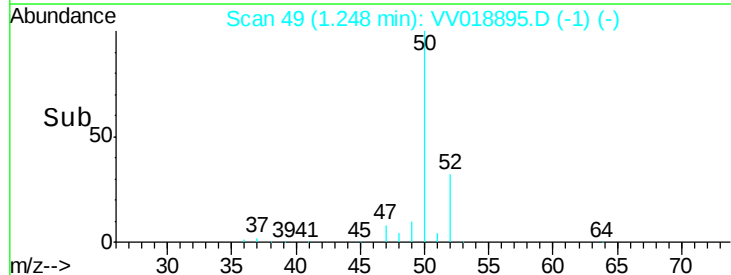
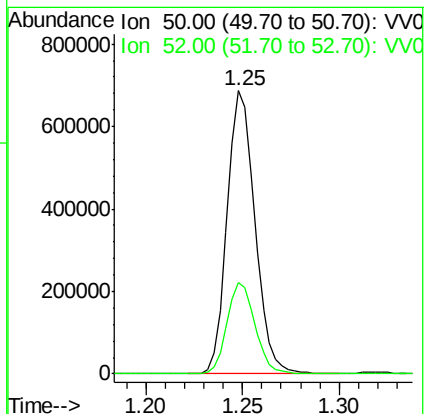
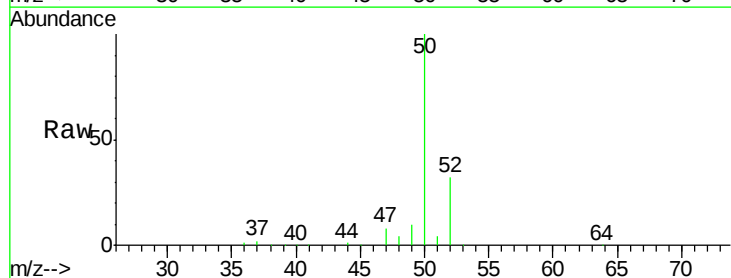
Acq: 14 Oct 2020 14:45

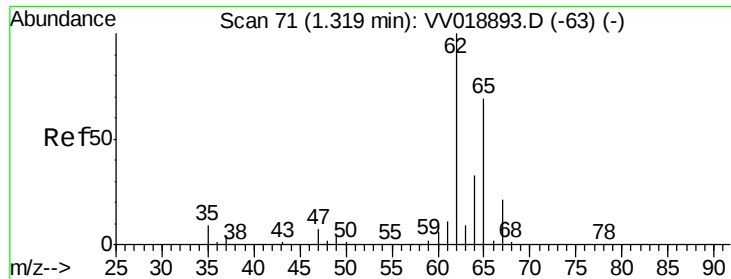
Tgt Ion: 50 Resp: 685443

Ion Ratio Lower Upper

50 100

52 32.4 22.4 41.6





#5

Vinyl chloride

Concen: 189.883 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

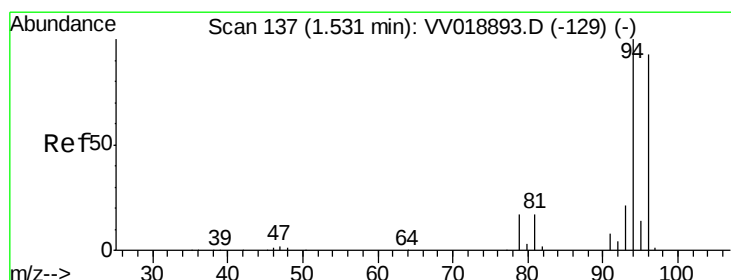
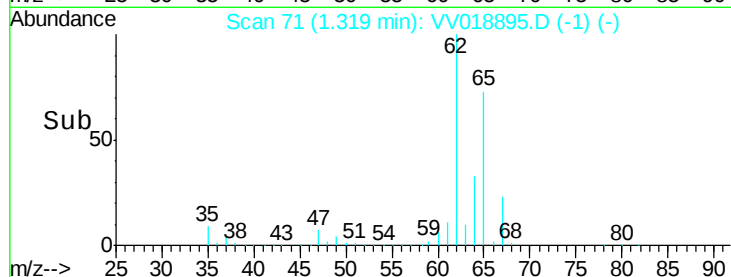
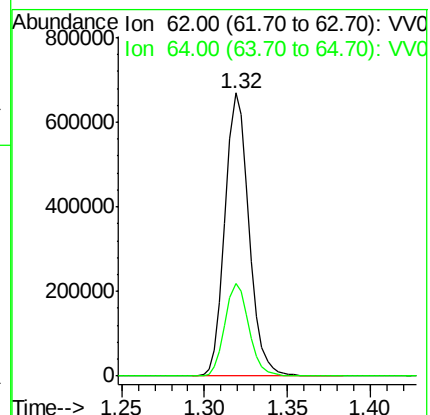
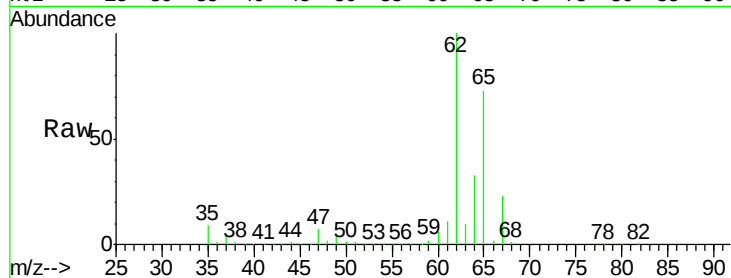
VSTD20005

Tgt Ion: 62 Resp: 672351

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.2



#6

Bromomethane

Concen: 191.212 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018895.D

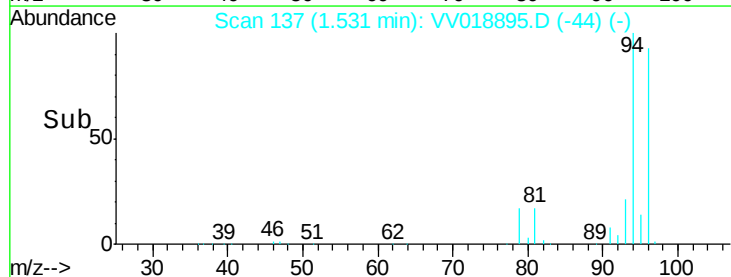
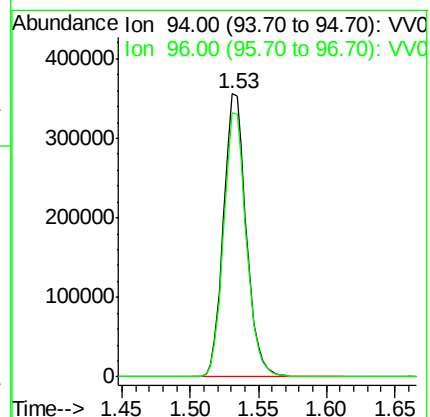
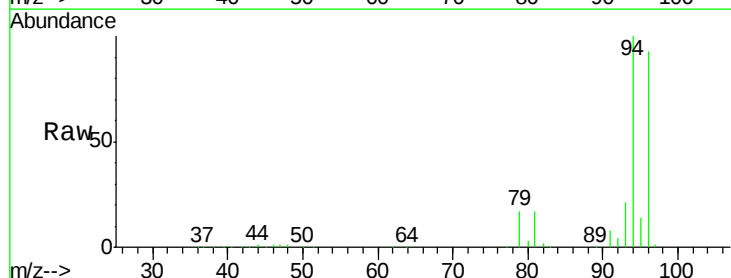
Acq: 14 Oct 2020 14:45

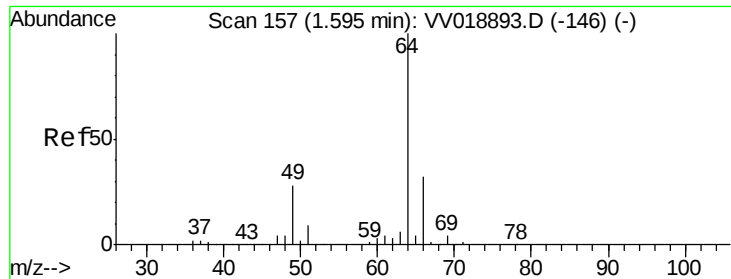
Tgt Ion: 94 Resp: 413083

Ion Ratio Lower Upper

94 100

96 93.5 65.3 121.3





#8

Chloroethane

Concen: 191.347 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

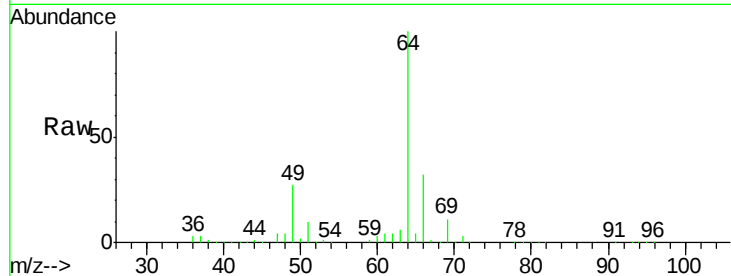
VSTD20005

Tgt Ion: 64 Resp: 406358

Ion Ratio Lower Upper

64 100

66 31.8 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VV018893.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV018893.D (-146) (-)

1.60

400000

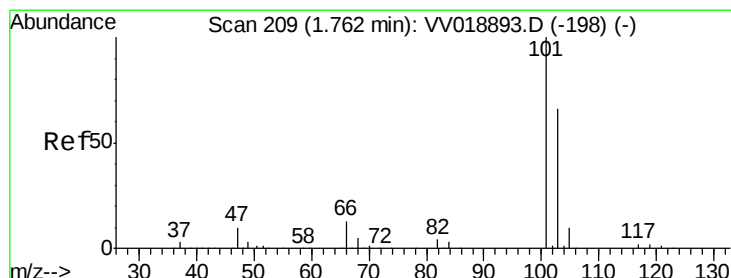
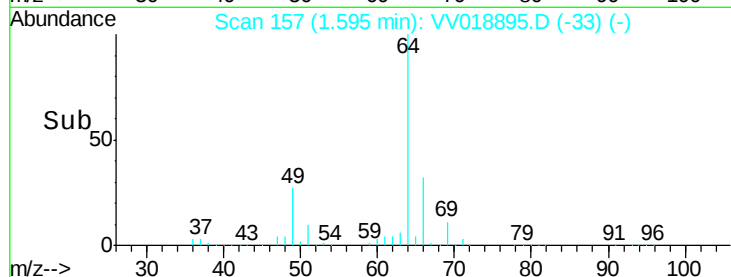
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 191.609 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018895.D

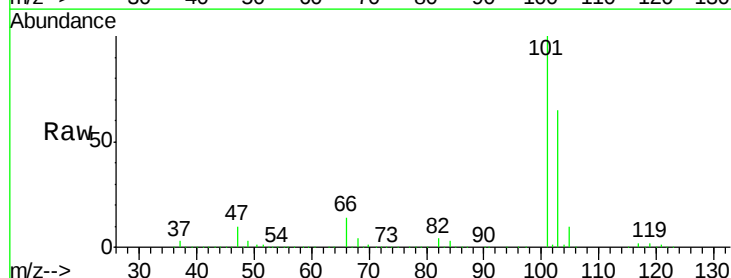
Acq: 14 Oct 2020 14:45

Tgt Ion: 101 Resp: 895501

Ion Ratio Lower Upper

101 100

103 64.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV018893.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV018893.D (-198) (-)

1.76

800000

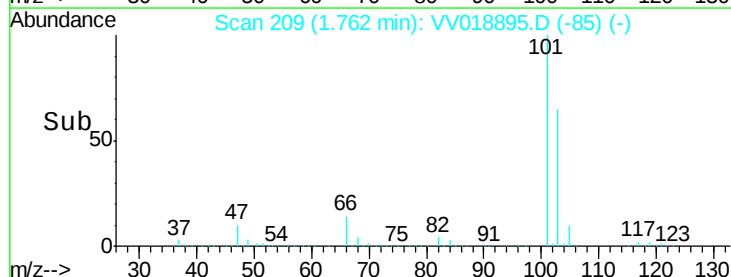
600000

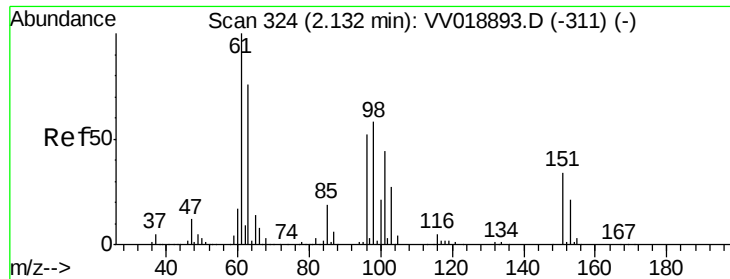
400000

200000

0

Time-->





#10

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

Concen: 191.402 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20005

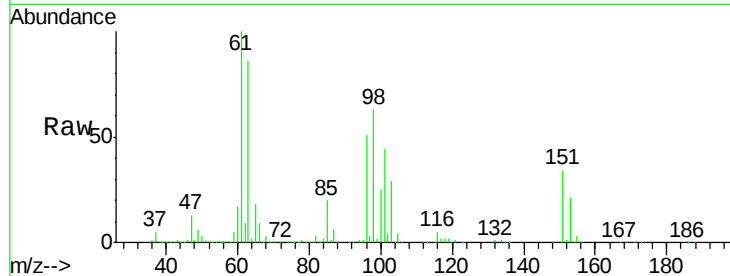
Tgt Ion: 101 Resp: 465806

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.4

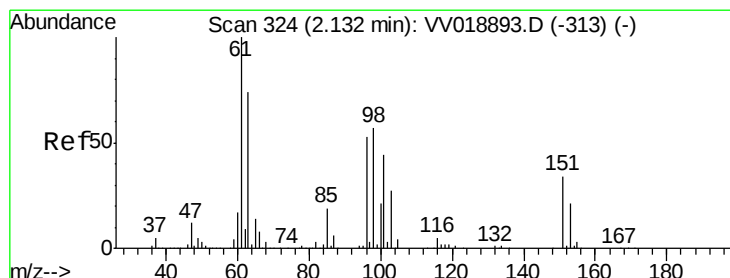
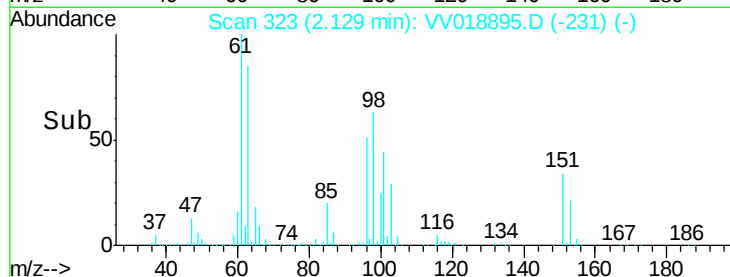
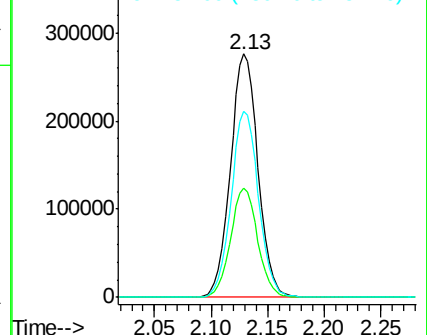
151 76.3 59.7 89.5



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: 190.755 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

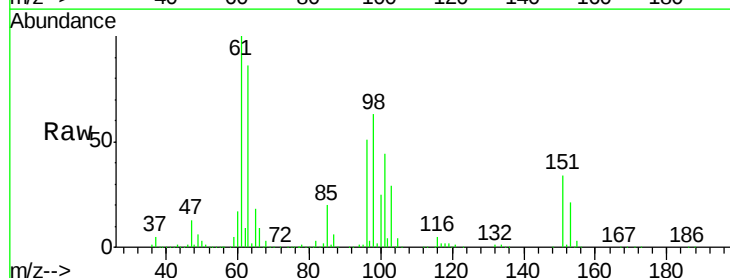
Tgt Ion: 96 Resp: 470449

Ion Ratio Lower Upper

96 100

61 194.8 133.5 247.9

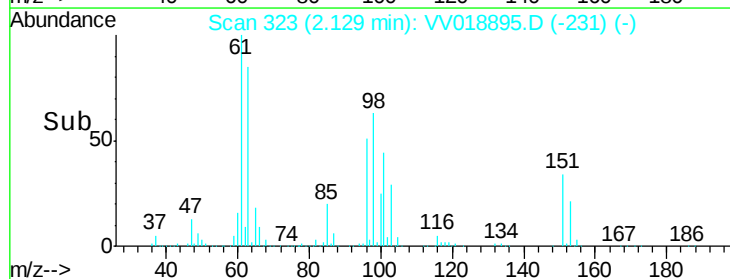
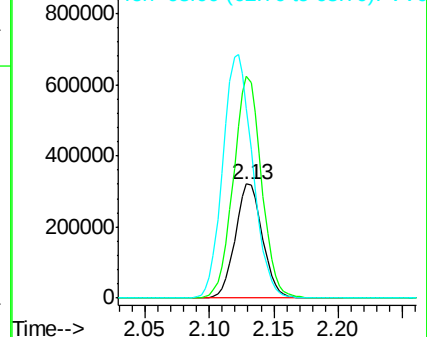
63 166.6 102.1 189.7

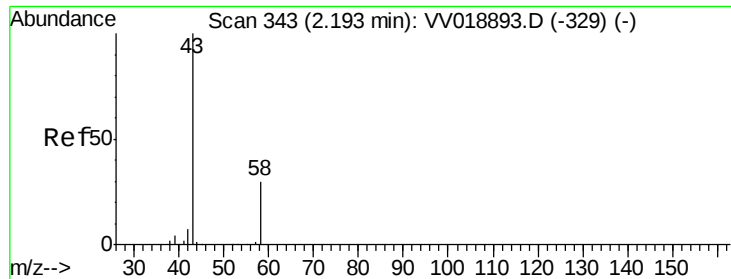


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 354.120 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

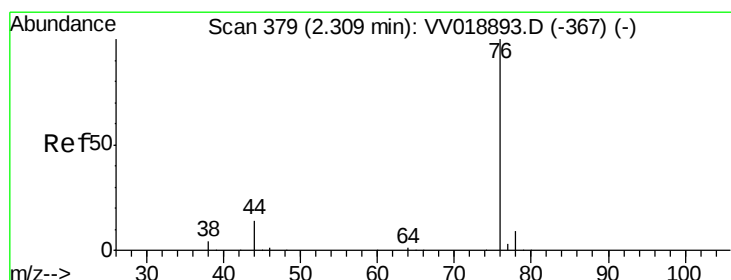
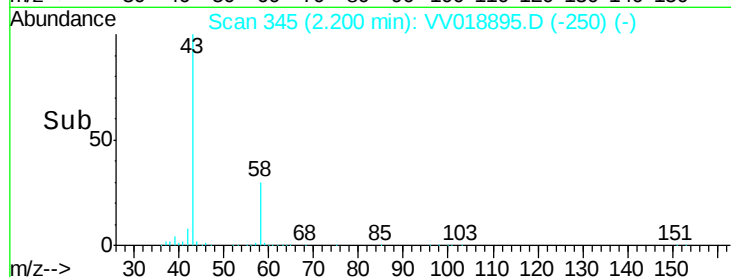
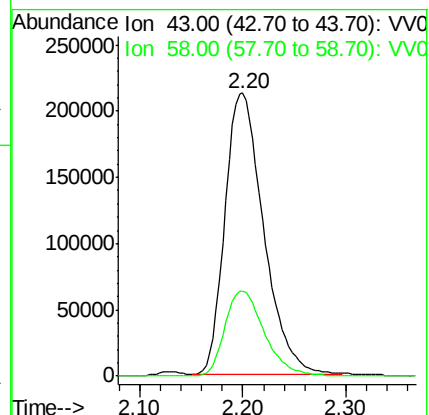
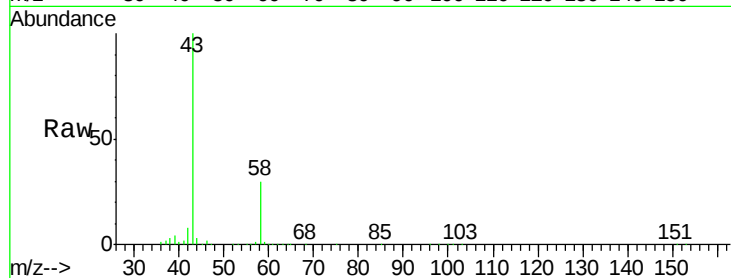
VSTD20005

Tgt Ion: 43 Resp: 556975

Ion Ratio Lower Upper

43 100

58 30.4 0.0 58.8



#14

Carbon disulfide

Concen: 190.994 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018895.D

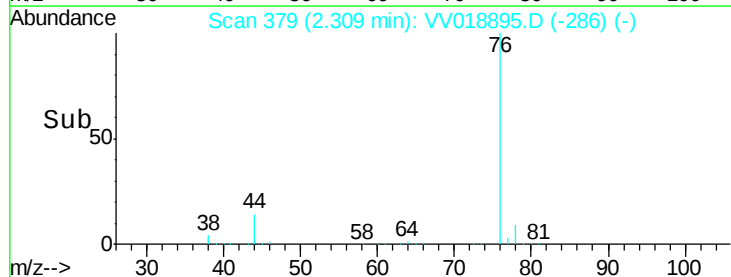
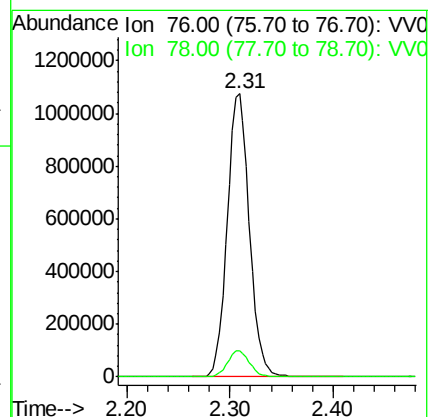
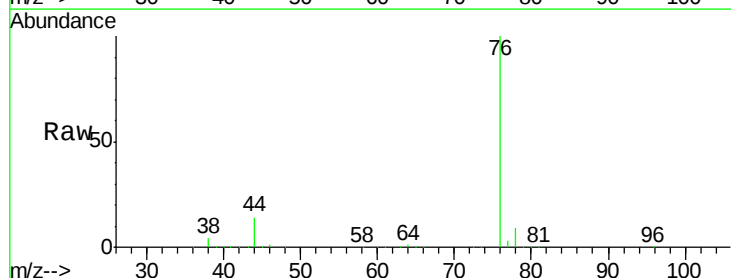
Acq: 14 Oct 2020 14:45

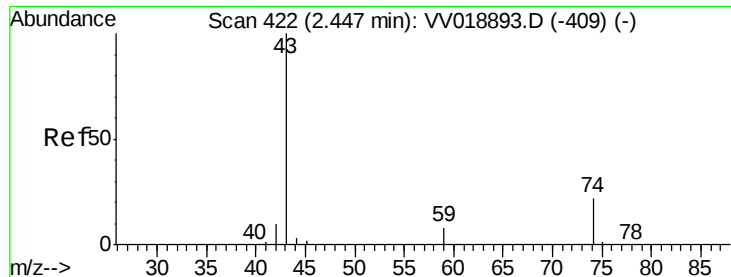
Tgt Ion: 76 Resp: 1604795

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

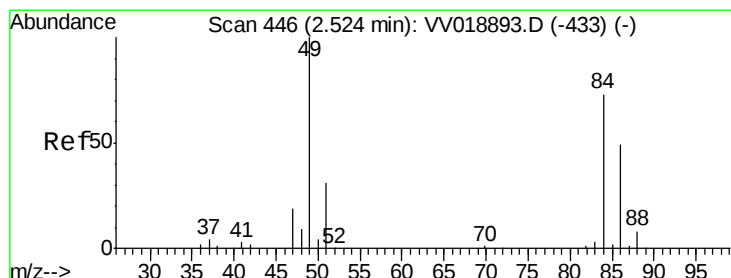
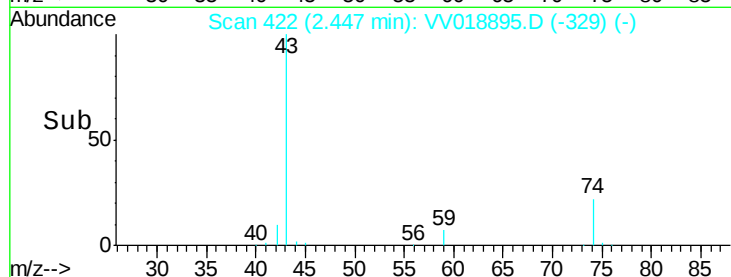
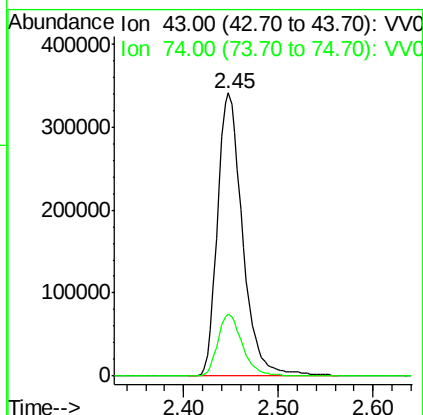
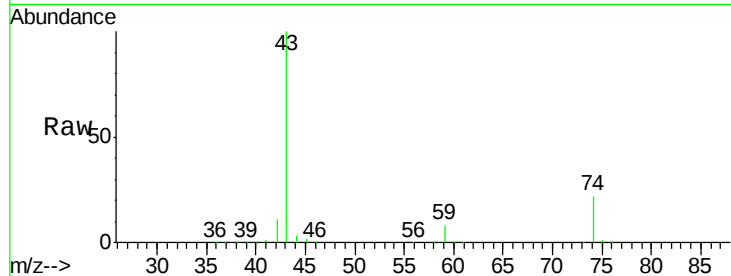




#15
Methyl Acetate
Concen: 192.966 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV018895.D
Acq: 14 Oct 2020 14:45

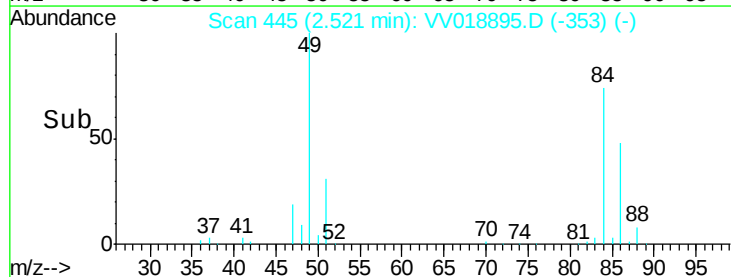
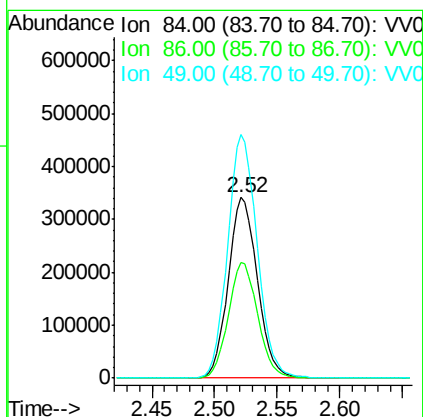
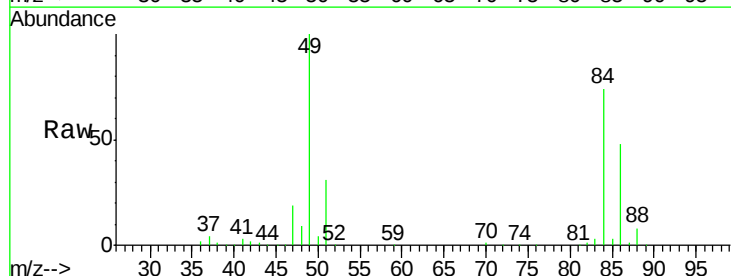
Instrument :
MSVOA_V
ClientSampleId :
VSTD20005

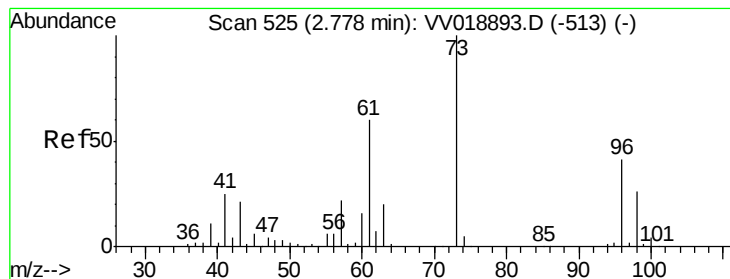
Tgt Ion: 43 Resp: 623473
Ion Ratio Lower Upper
43 100
74 21.7 17.0 25.6



#16
Methylene chloride
Concen: 187.513 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018895.D
Acq: 14 Oct 2020 14:45

Tgt Ion: 84 Resp: 554790
Ion Ratio Lower Upper
84 100
86 64.1 46.6 86.6
49 134.9 96.1 178.5





#17

trans-1,2-Dichloroethene

Concen: 193.126 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20005

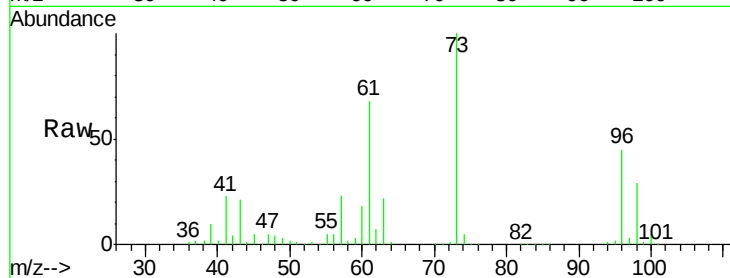
Tgt Ion: 96 Resp: 528724

Ion Ratio Lower Upper

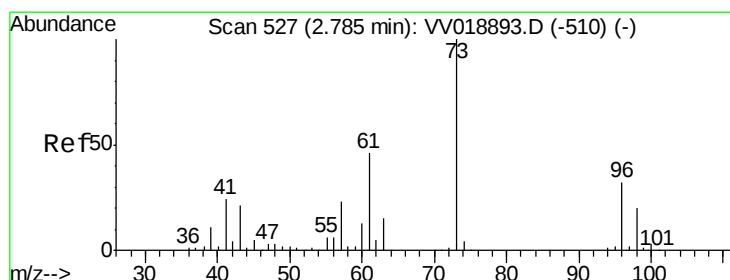
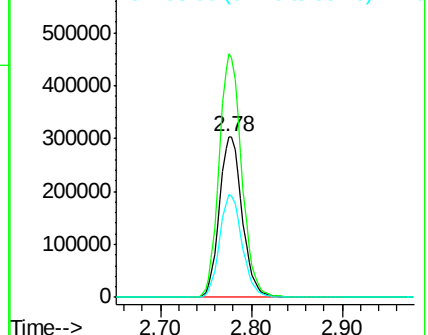
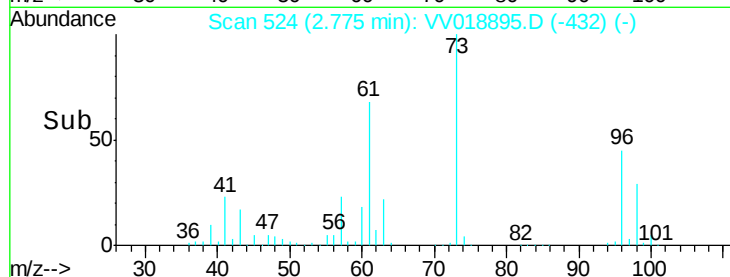
96 100

61 151.5 102.8 190.8

98 63.7 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV018895.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 202.384 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

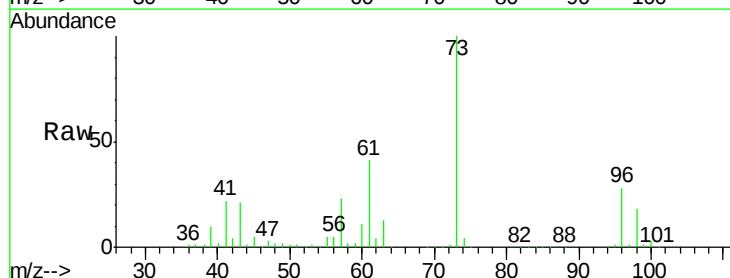
Tgt Ion: 73 Resp: 1750586

Ion Ratio Lower Upper

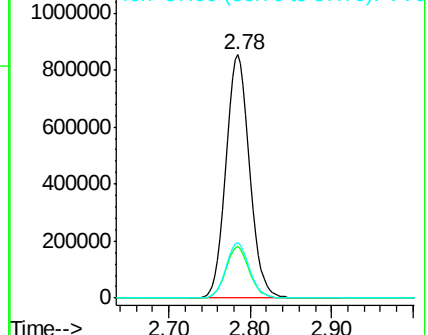
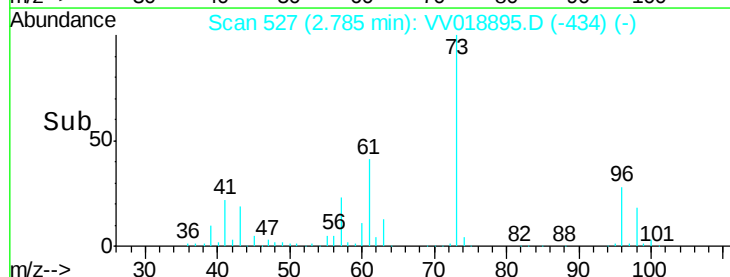
73 100

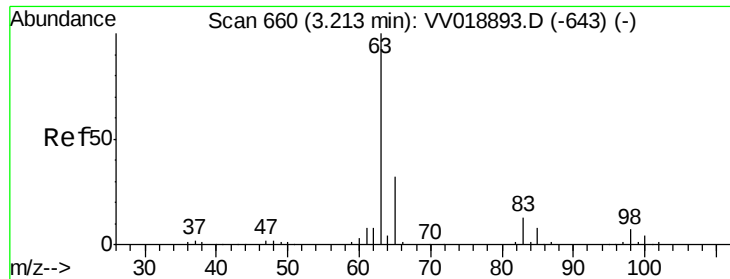
43 20.9 16.9 25.3

57 22.7 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VV018895.D (-434) (-)

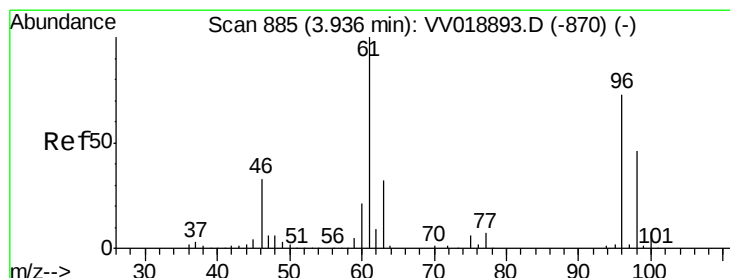
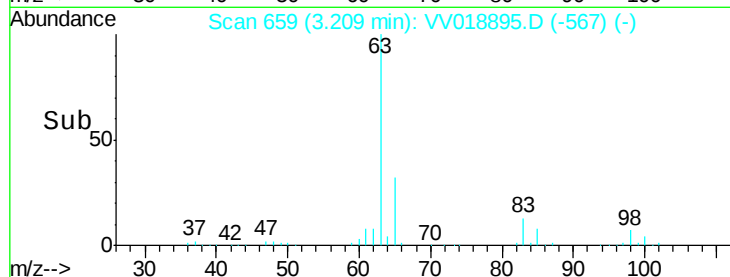
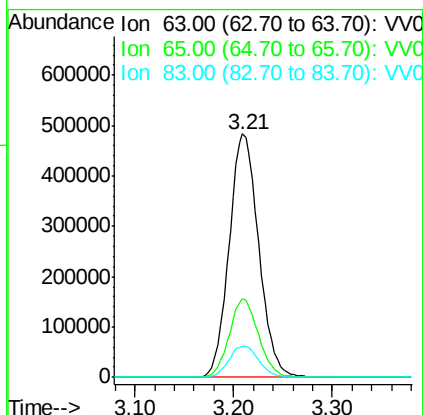
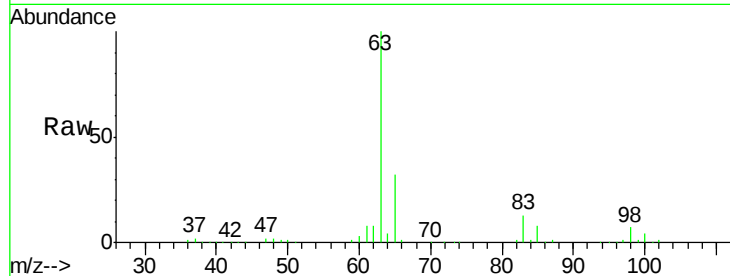




#19
 1,1-Dichloroethane
 Concen: 189.914 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018895.D
 Acq: 14 Oct 2020 14:45

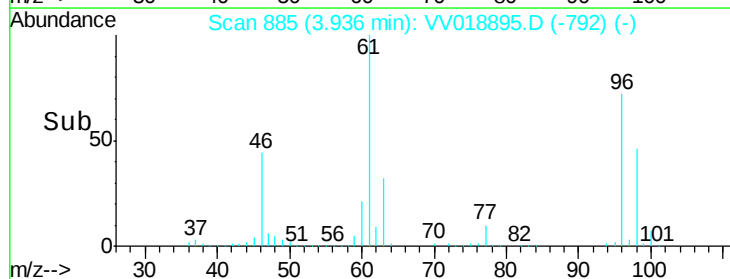
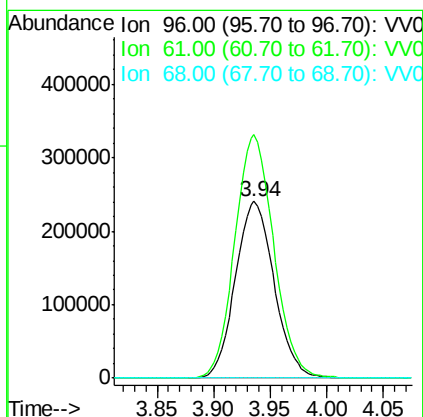
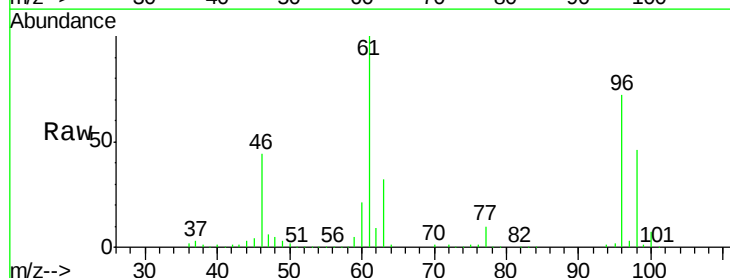
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20005

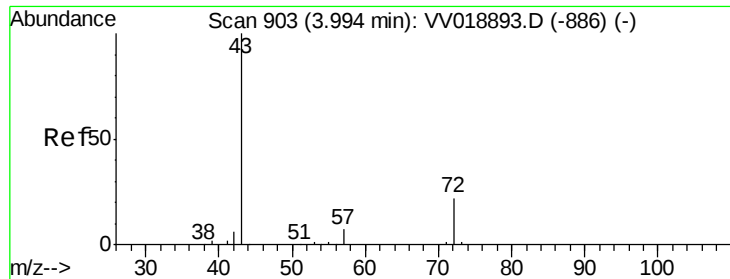
Tgt Ion: 63 Resp: 1011501
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.5 41.9
 83 12.9 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 197.971 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV018895.D
 Acq: 14 Oct 2020 14:45

Tgt Ion: 96 Resp: 574436
 Ion Ratio Lower Upper
 96 100
 61 138.0 96.1 178.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 419.298 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

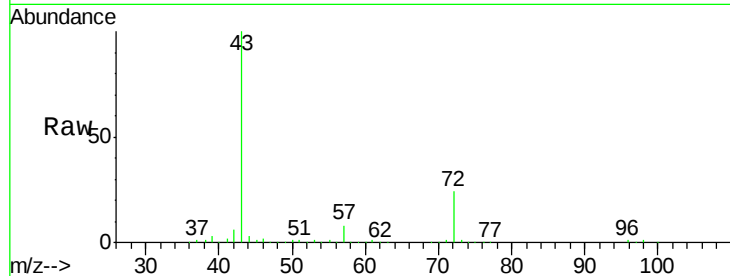
VSTD20005

Tgt Ion: 43 Resp: 896689

Ion Ratio Lower Upper

43 100

72 24.5 10.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VV018895.D (-810) (-)

Ion 72.00 (71.70 to 72.70): VV018895.D (-810) (-)

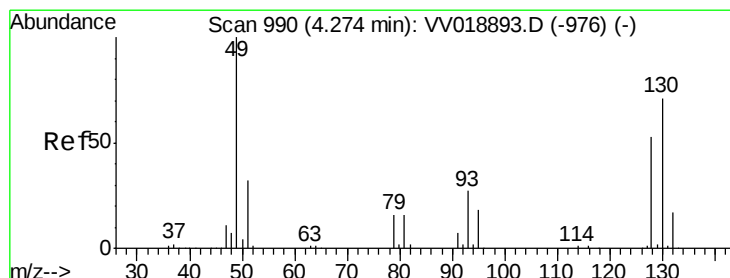
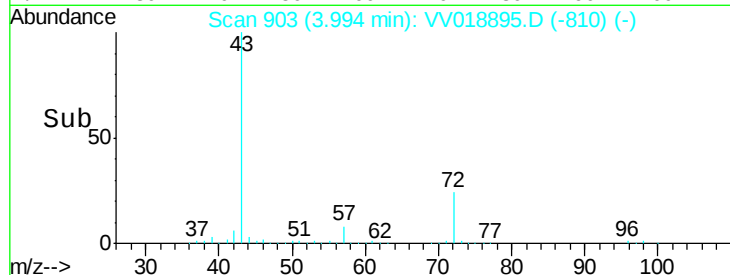
3.99

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 195.705 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Tgt Ion: 128 Resp: 293273

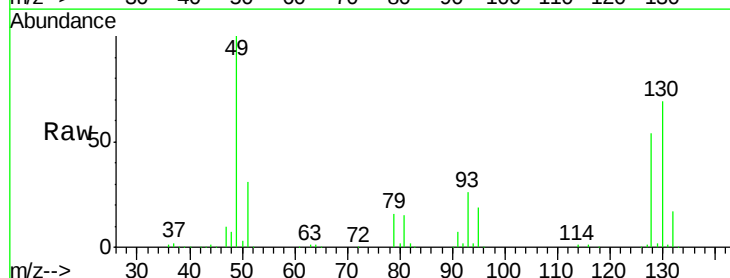
Ion Ratio Lower Upper

128 100

49 185.8 131.7 244.7

130 128.5 92.8 172.4

51 57.5 47.8 71.6



Abundance Ion 128.00 (127.70 to 128.70): VV018895.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV018895.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018895.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018895.D (-897) (-)

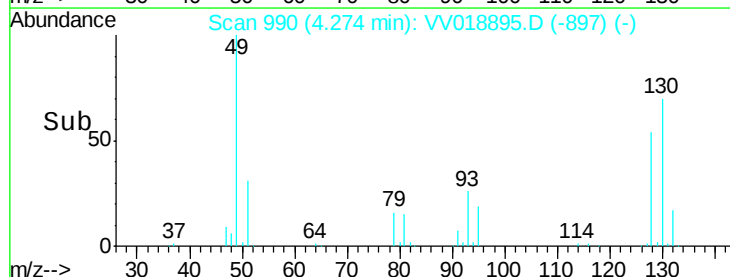
4.27

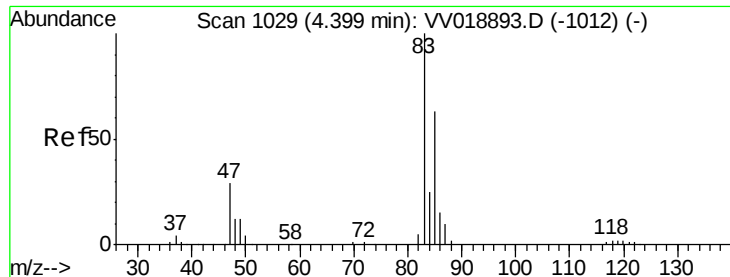
200000

100000

0

Time-->

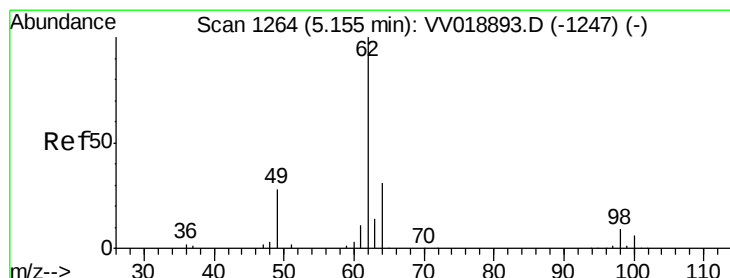
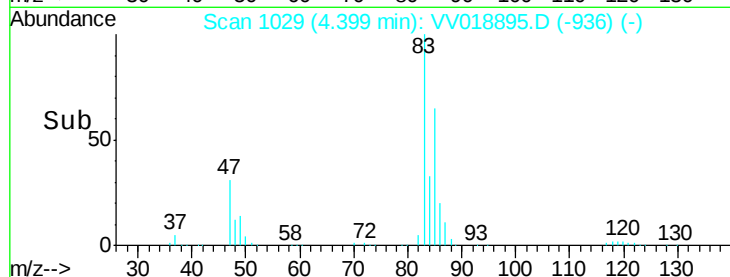
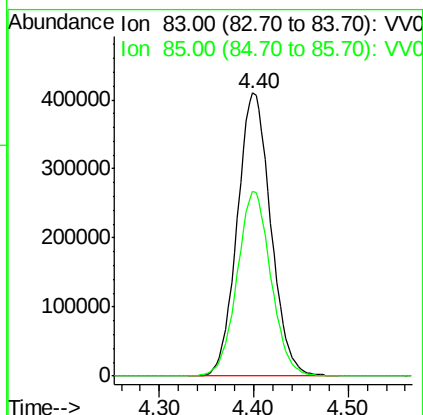
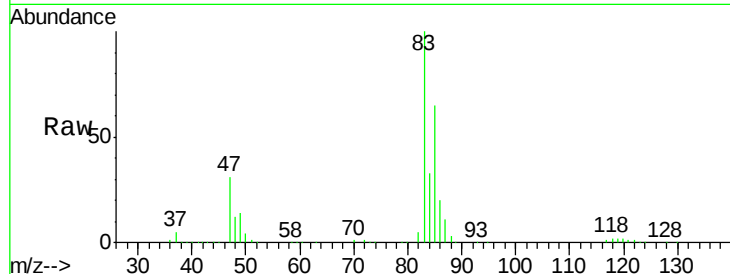




#25
Chloroform
Concen: 188.555 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018895.D
Acq: 14 Oct 2020 14:45

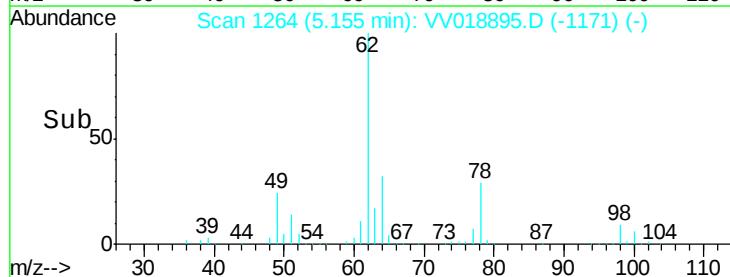
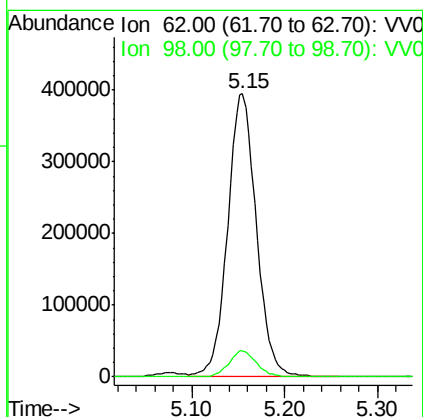
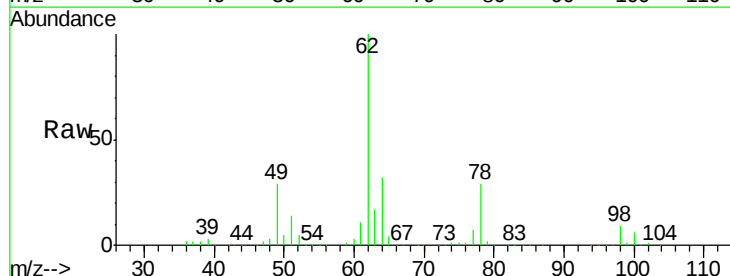
Instrument :
MSVOA_V
ClientSampleId :
VSTD20005

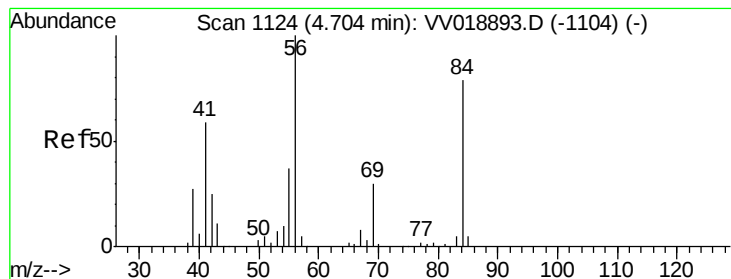
Tgt Ion: 83 Resp: 1009864
Ion Ratio Lower Upper
83 100
85 65.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 193.029 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018895.D
Acq: 14 Oct 2020 14:45

Tgt Ion: 62 Resp: 844525
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.6





#29

Cyclohexane

Concen: 211.000 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD20005

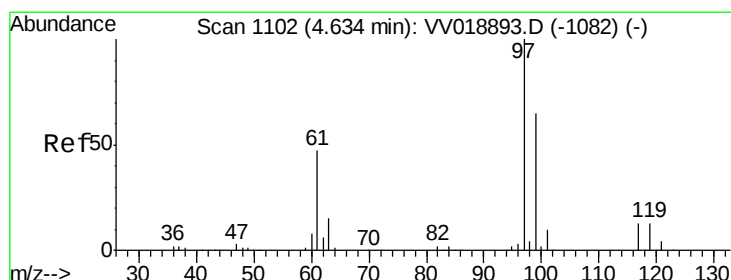
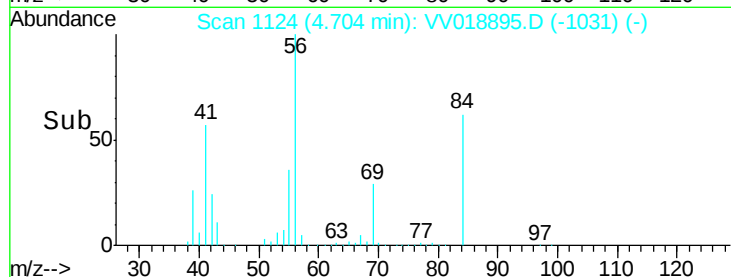
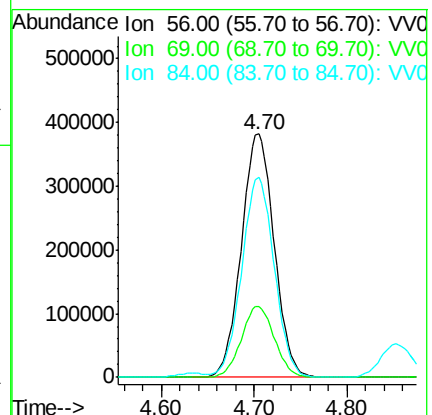
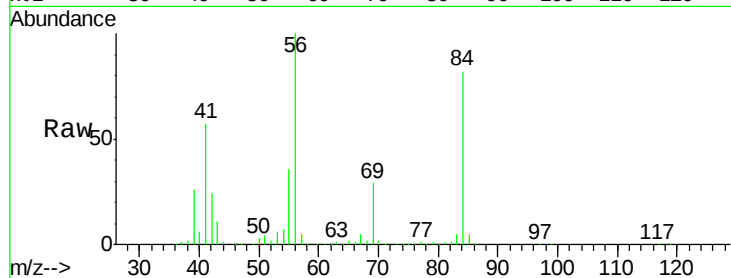
Tgt Ion: 56 Resp: 934982

Ion Ratio Lower Upper

56 100

69 29.4 23.5 35.3

84 81.8 64.7 97.1



#30

1,1,1-Trichloroethane

Concen: 192.740 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

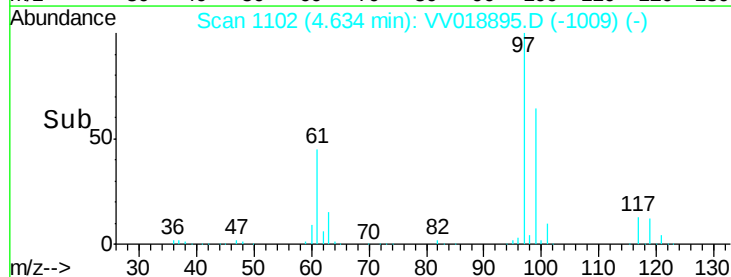
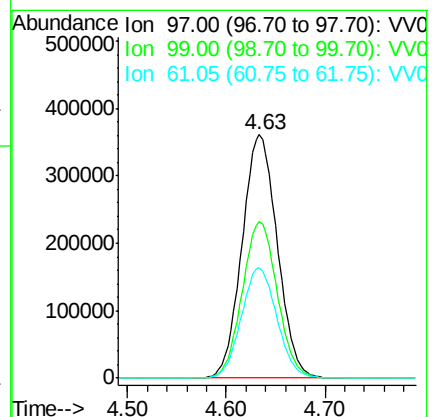
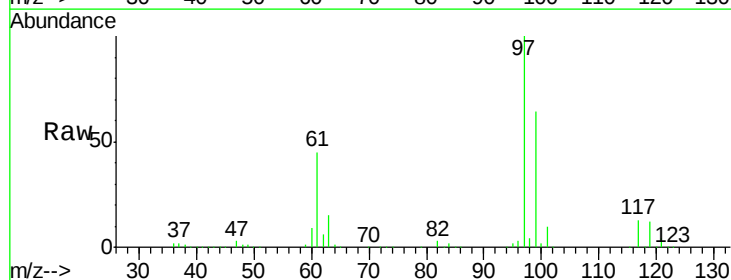
Tgt Ion: 97 Resp: 891749

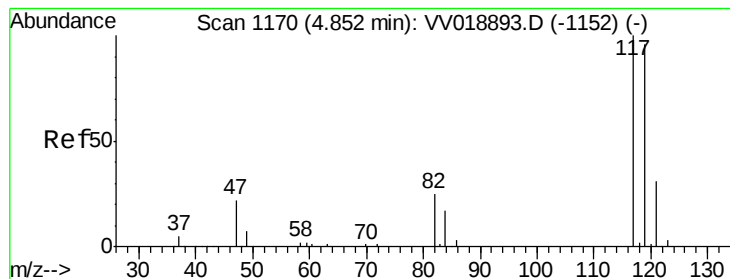
Ion Ratio Lower Upper

97 100

99 63.8 51.2 76.8

61 45.7 37.5 56.3





#31

Carbon tetrachloride

Concen: 197.533 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

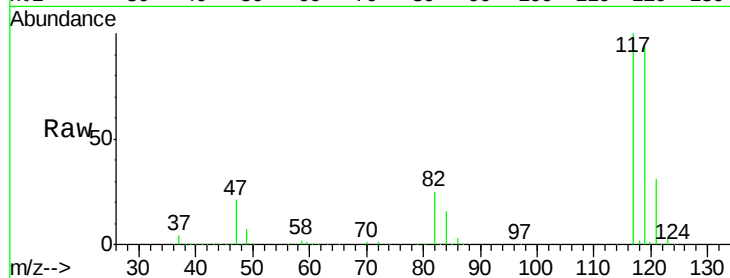
VSTD20005

Tgt Ion:117 Resp: 777850

Ion Ratio Lower Upper

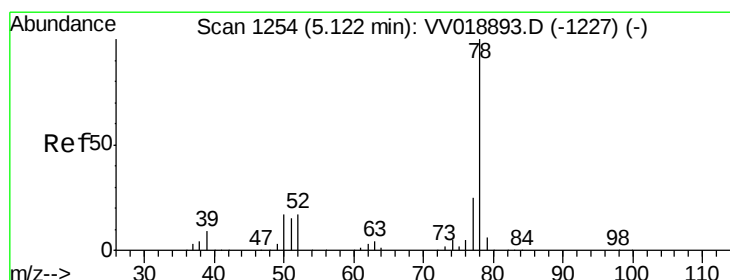
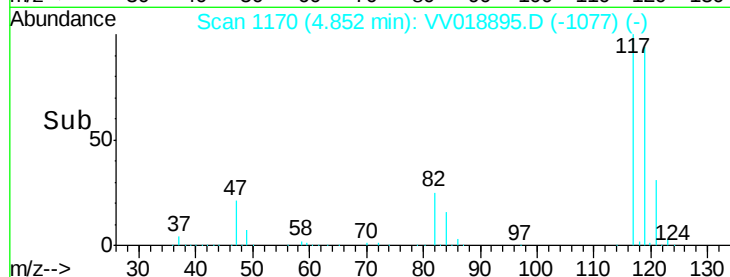
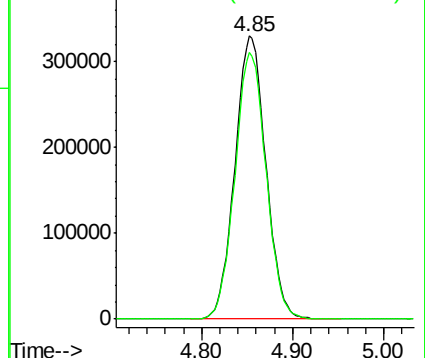
117 100

119 94.9 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 194.047 ug/L

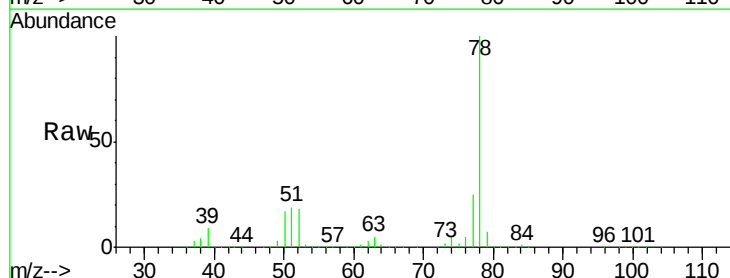
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

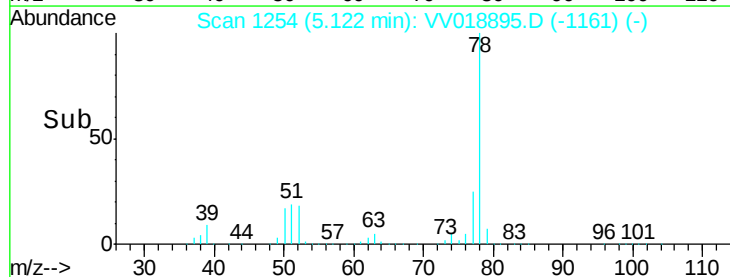
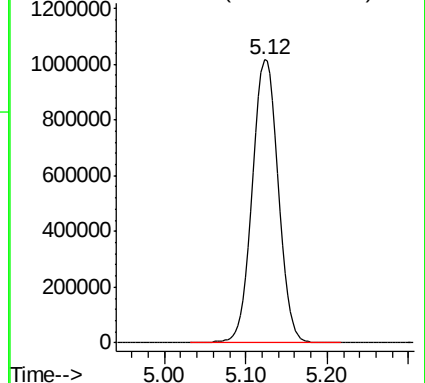
Lab File: VV018895.D

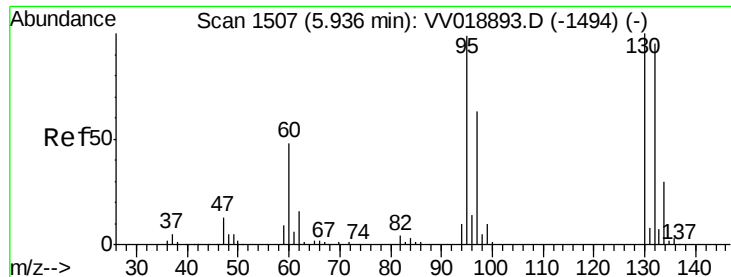
Acq: 14 Oct 2020 14:45

Tgt Ion: 78 Resp: 2217954



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 178.296 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20005

Tgt Ion: 95 Resp: 587686

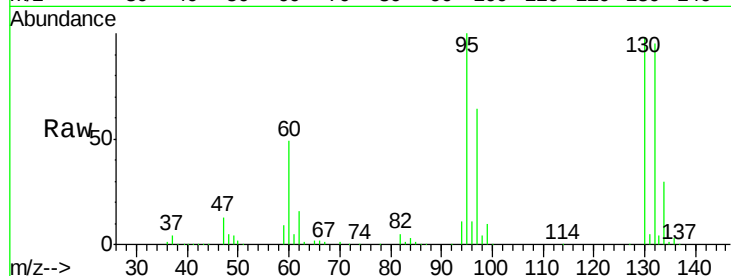
Ion Ratio Lower Upper

95 100

97 63.9 44.7 82.9

132 94.8 67.0 124.4

130 98.1 70.8 131.6

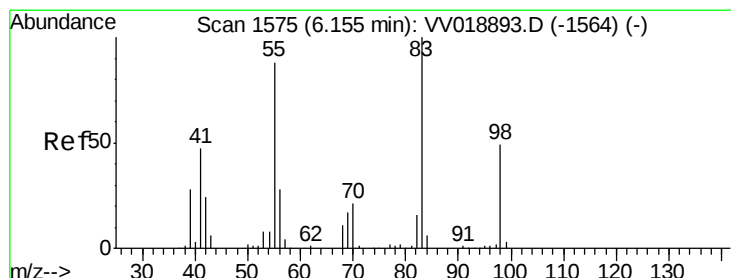
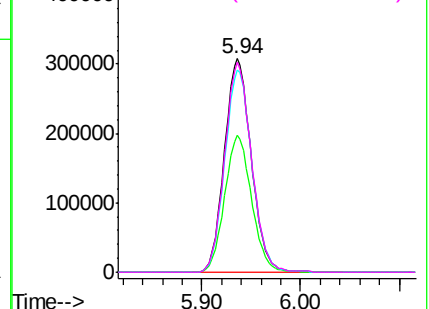
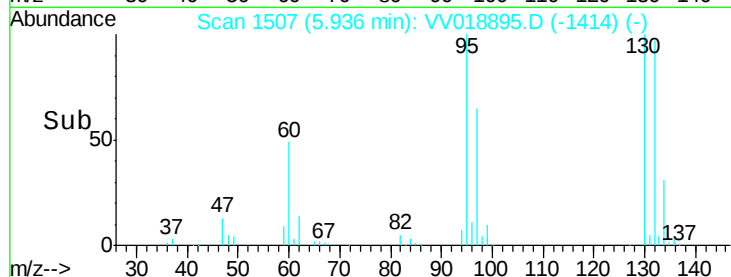


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 205.205 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

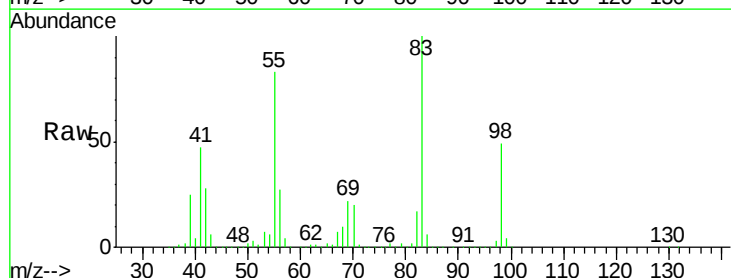
Tgt Ion: 83 Resp: 819177

Ion Ratio Lower Upper

83 100

55 82.4 67.3 100.9

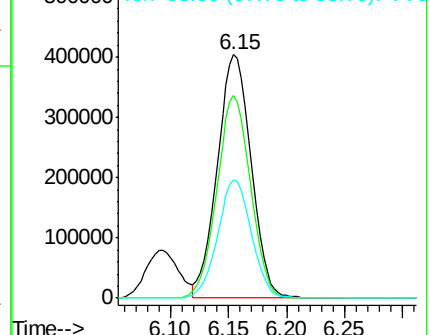
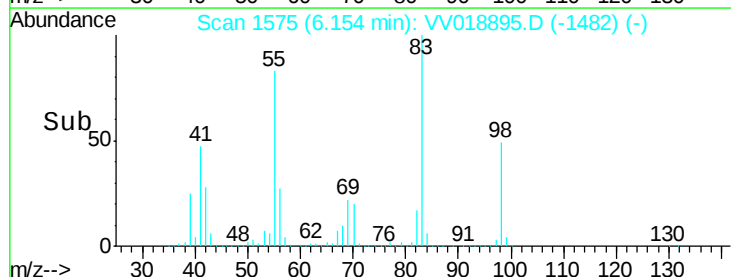
98 48.5 37.9 56.9

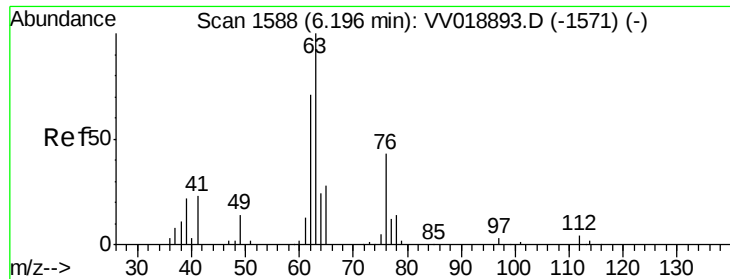


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

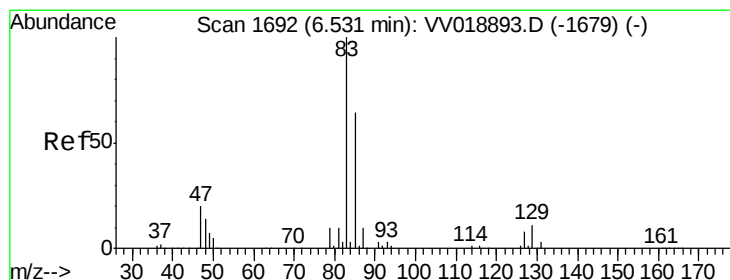
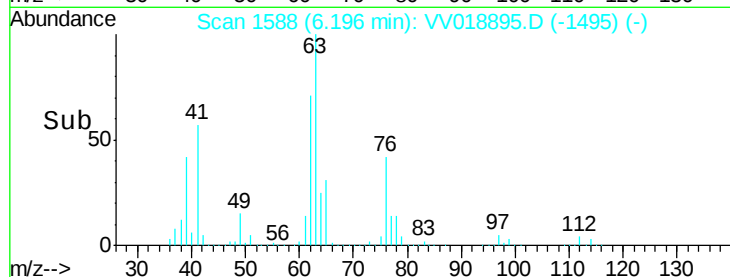
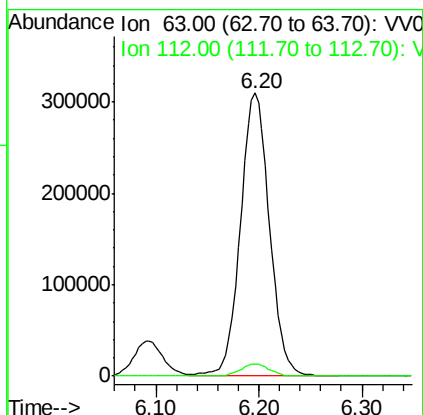
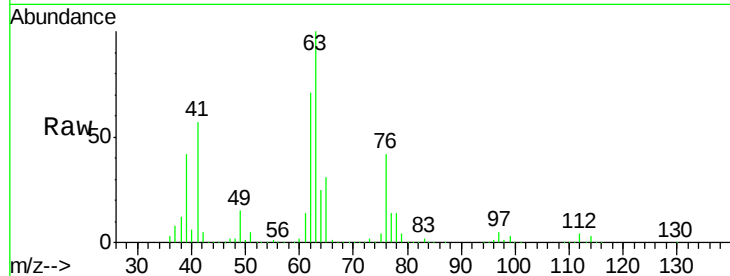




#37
 1,2-Dichloropropane
 Concen: 197.202 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018895.D
 Acq: 14 Oct 2020 14:45

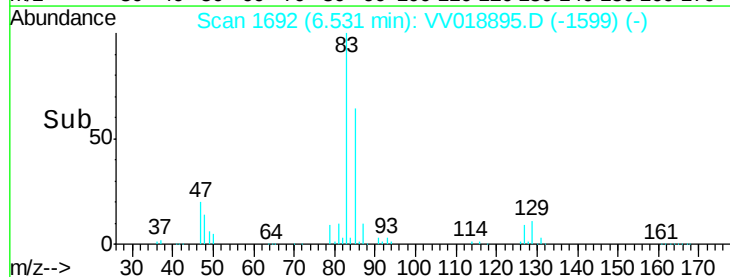
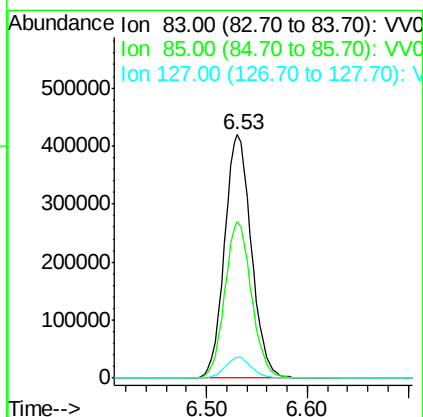
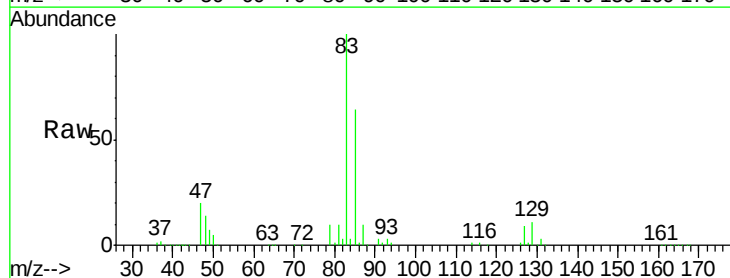
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20005

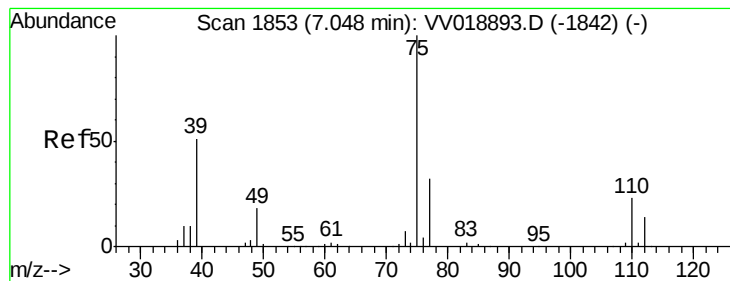
Tgt Ion: 63 Resp: 603402
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 198.303 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018895.D
 Acq: 14 Oct 2020 14:45

Tgt Ion: 83 Resp: 777931
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.7 83.1
 127 8.7 6.6 9.8



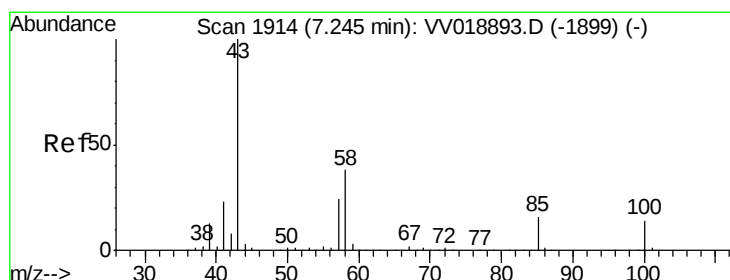
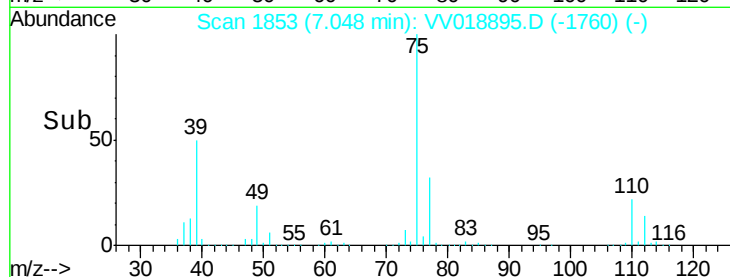
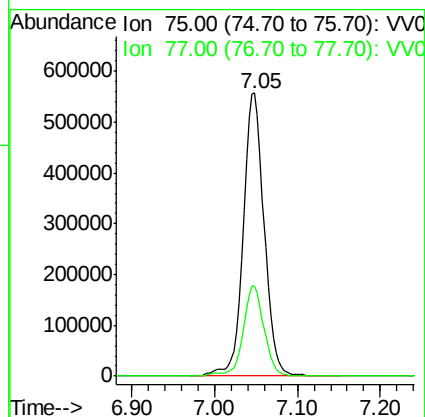
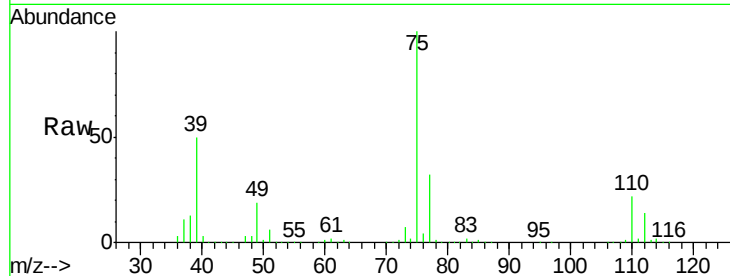


#39

cis-1,3-Dichloropropene
 Concen: 214.087 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018895.D
 Acq: 14 Oct 2020 14:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20005

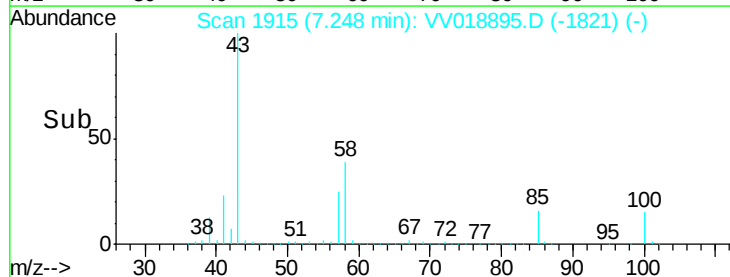
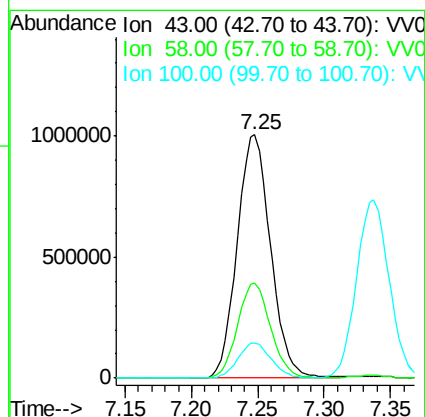
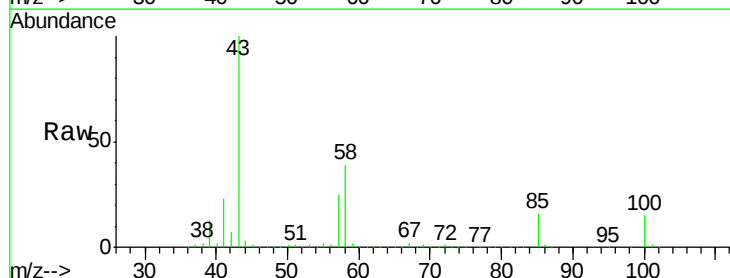
Tgt Ion: 75 Resp: 984304
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.5 41.9

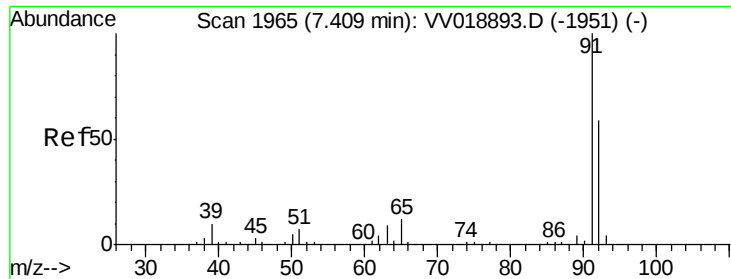


#40

4-Methyl-2-pentanone
 Concen: 417.214 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018895.D
 Acq: 14 Oct 2020 14:45

Tgt Ion: 43 Resp: 1760491
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.5 45.7
 100 14.4 11.1 16.7





#42

Toluene

Concen: 199.795 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

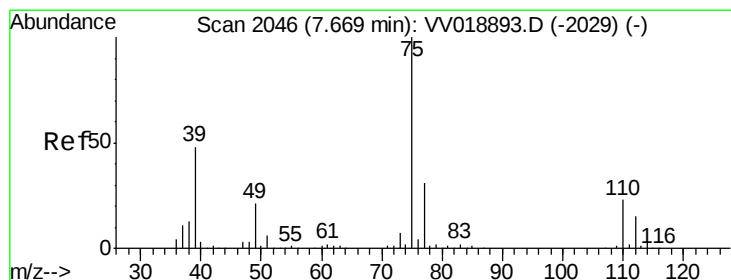
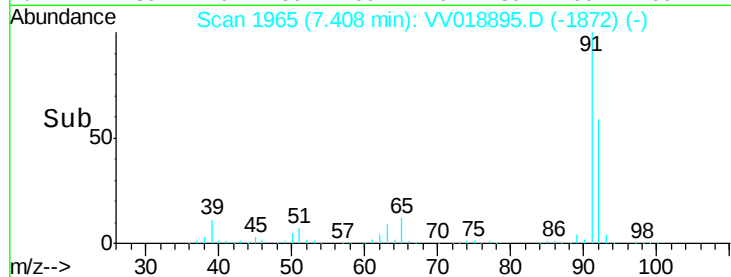
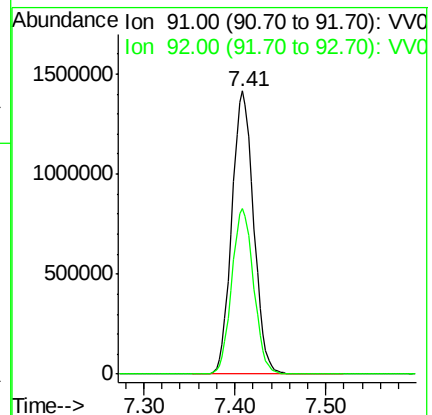
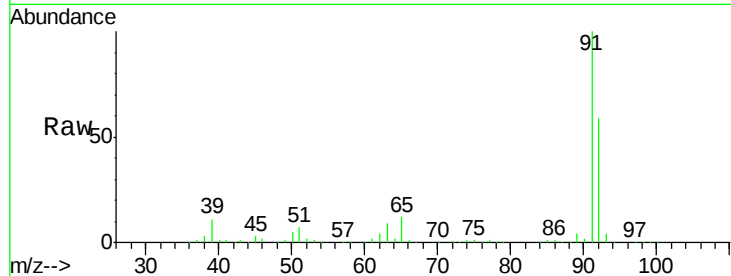
VSTD20005

Tgt Ion: 91 Resp: 2358636

Ion Ratio Lower Upper

91 100

92 58.7 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 217.402 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018895.D

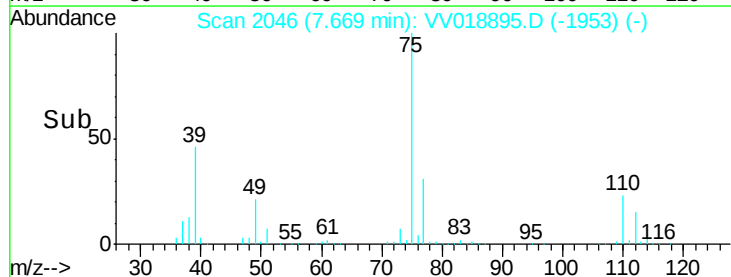
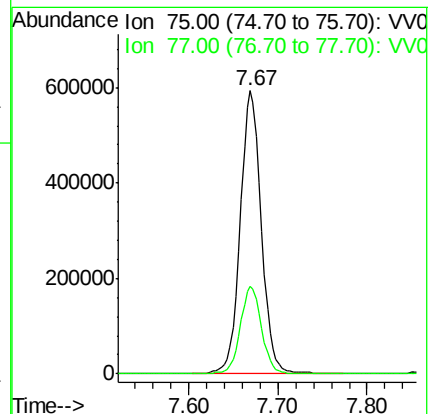
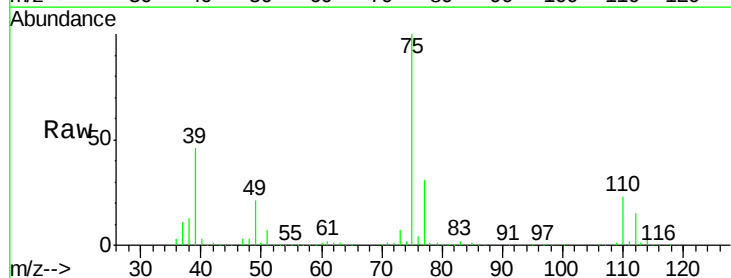
Acq: 14 Oct 2020 14:45

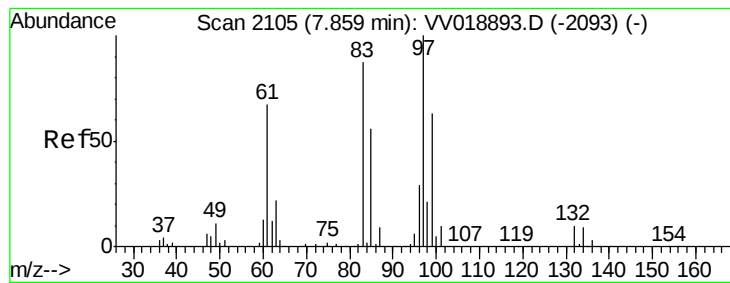
Tgt Ion: 75 Resp: 968625

Ion Ratio Lower Upper

75 100

77 31.1 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 191.058 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20005

Tgt Ion: 97 Resp: 543783

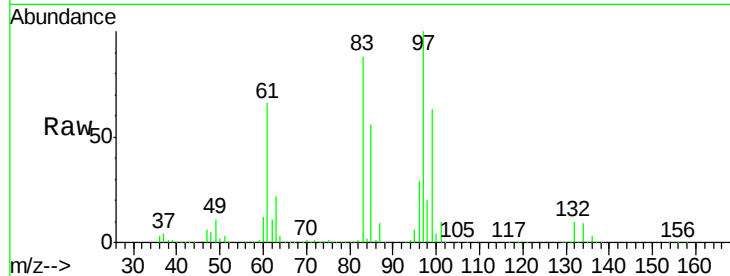
Ion Ratio Lower Upper

97 100

99 63.0 43.8 81.4

83 87.6 61.0 113.4

85 56.0 38.9 72.2

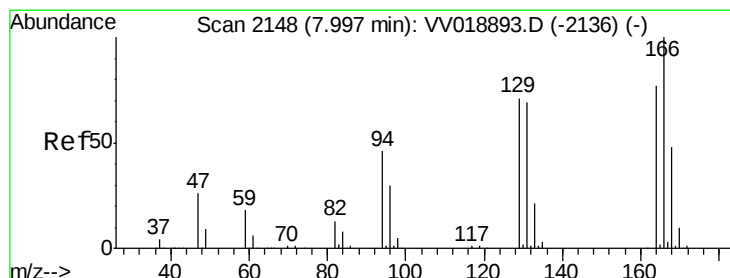
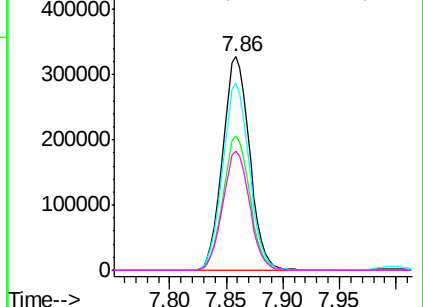
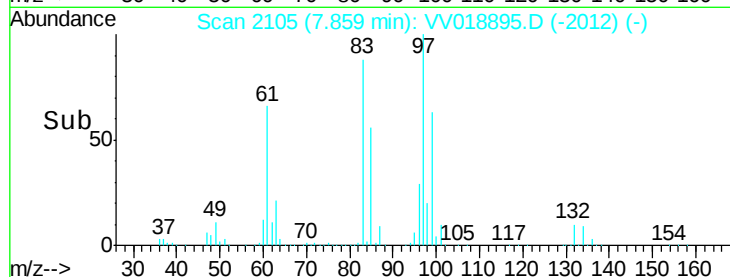


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 191.610 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Tgt Ion: 164 Resp: 445102

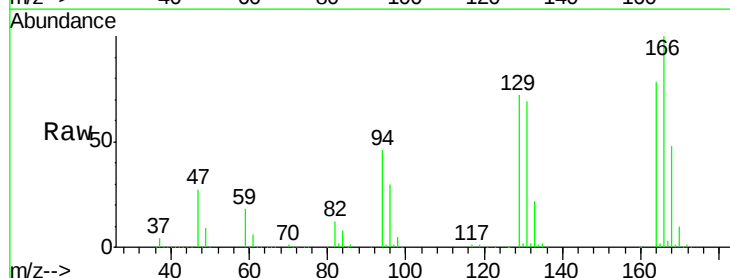
Ion Ratio Lower Upper

164 100

129 91.8 65.0 120.8

131 88.5 62.9 116.7

166 128.0 91.1 169.3

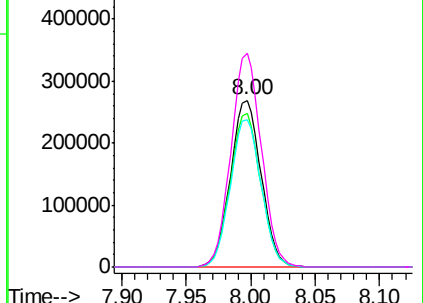
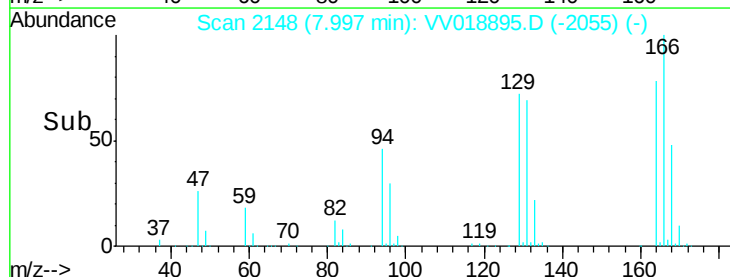


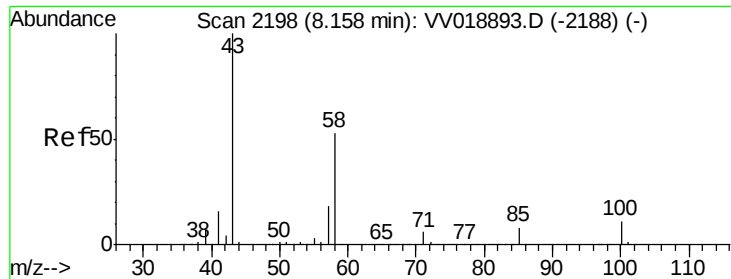
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



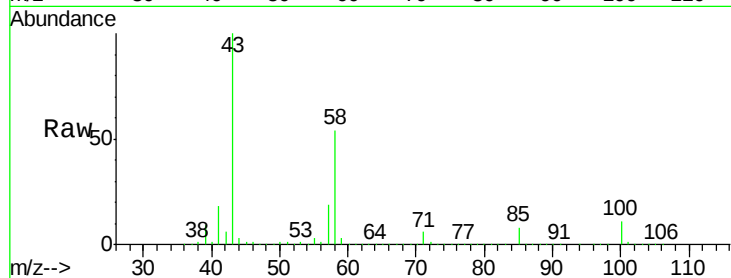


#48
2-Hexanone
Concen: 414.335 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018895.D
Acq: 14 Oct 2020 14:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD20005

Tgt Ion: 43 Resp: 1386231

Ion	Ratio	Lower	Upper
43	100		
58	53.5	42.5	63.7
57	18.4	14.5	21.7
100	11.2	9.0	13.4

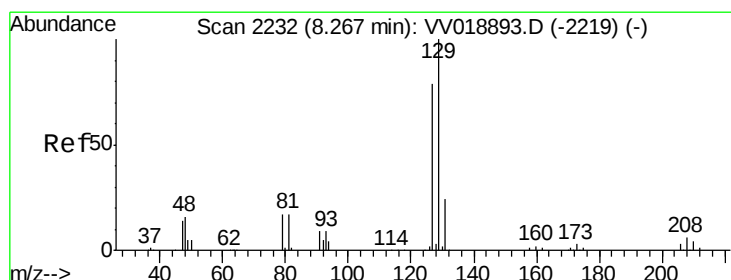
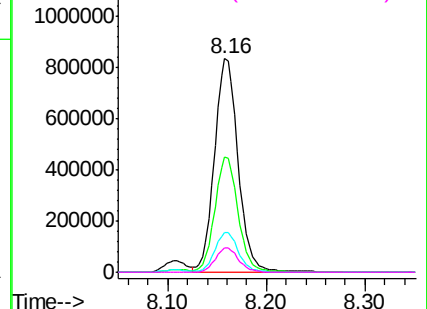
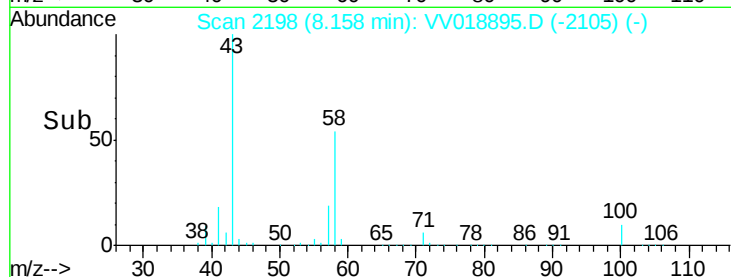


Abundance Ion 43.00 (42.70 to 43.70): VV018895.D (-2105) (-)

Ion 58.00 (57.70 to 58.70): VV018895.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV018895.D (-2105) (-)

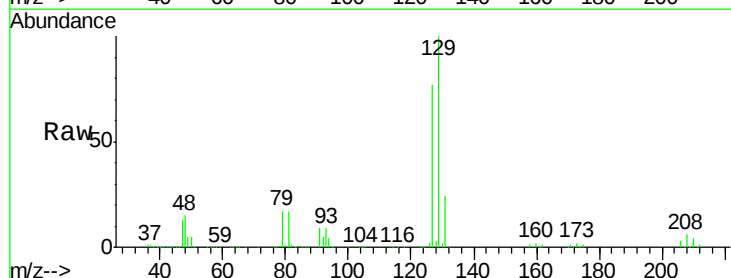
Ion 100.00 (99.70 to 100.70): VV018895.D (-2105) (-)



#49
Dibromochloromethane
Concen: 208.445 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018895.D
Acq: 14 Oct 2020 14:45

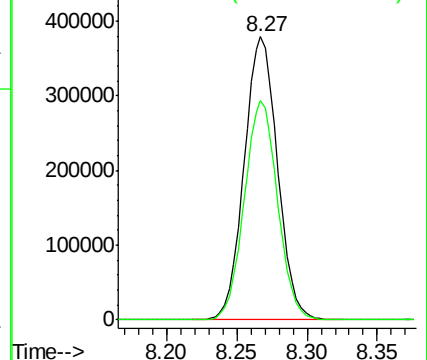
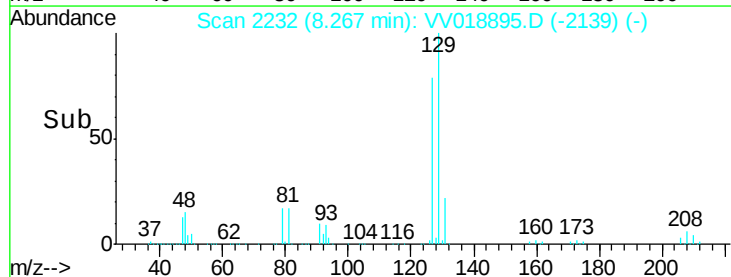
Tgt Ion: 129 Resp: 628092

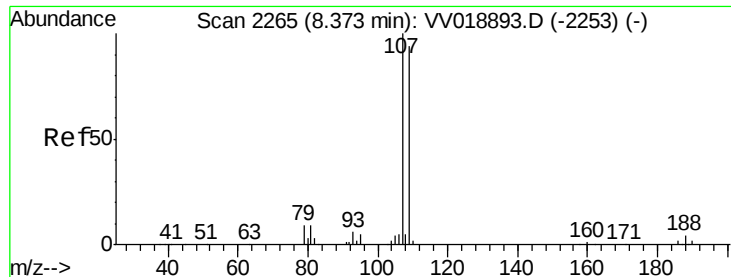
Ion	Ratio	Lower	Upper
129	100		
127	77.4	55.2	102.6



Abundance Ion 129.00 (128.70 to 129.70): VV018895.D (-2139) (-)

Ion 127.00 (126.70 to 127.70): VV018895.D (-2139) (-)

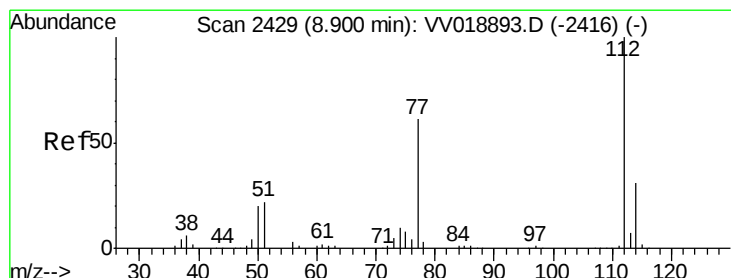
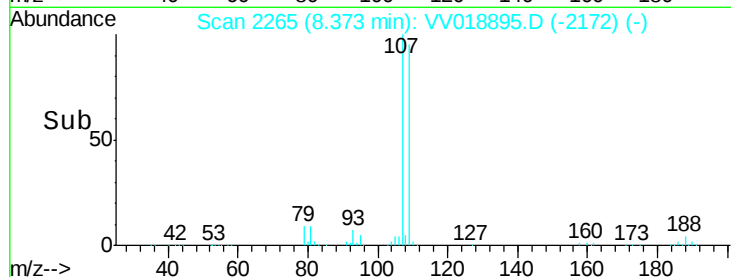
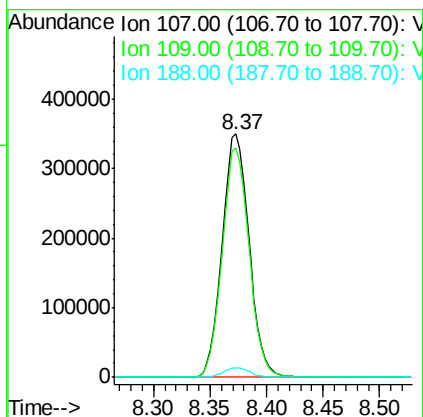
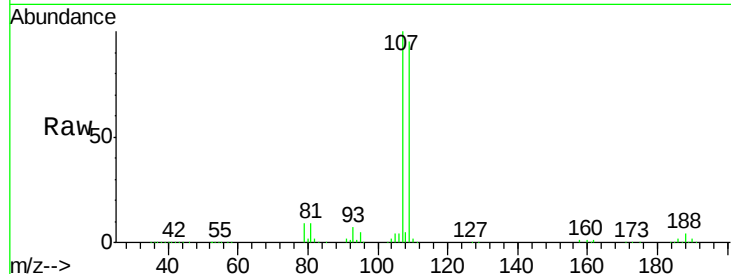




#50
1,2-Dibromoethane
Concen: 196.057 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018895.D
Acq: 14 Oct 2020 14:45

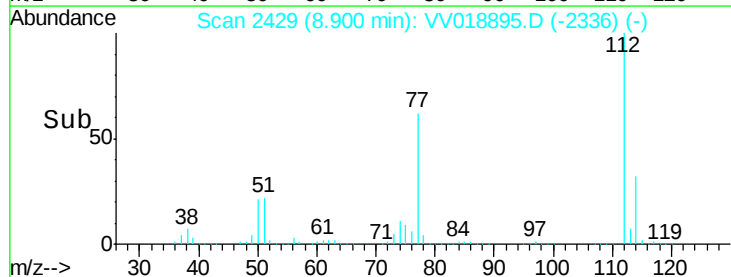
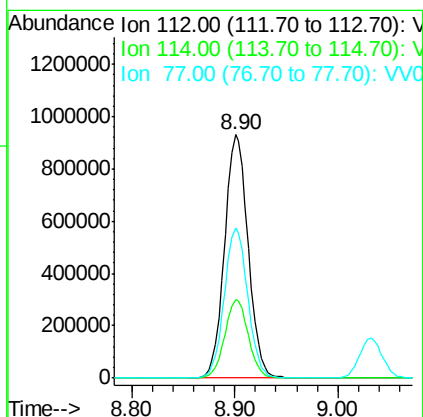
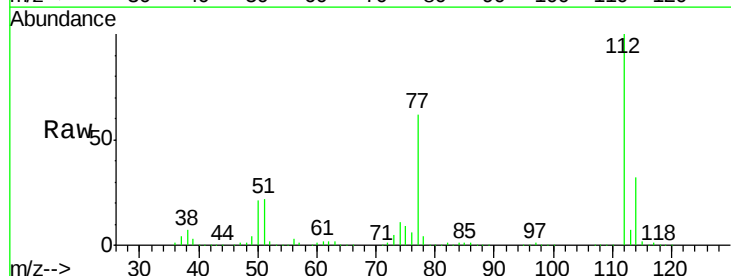
Instrument :
MSVOA_V
ClientSampleId :
VSTD20005

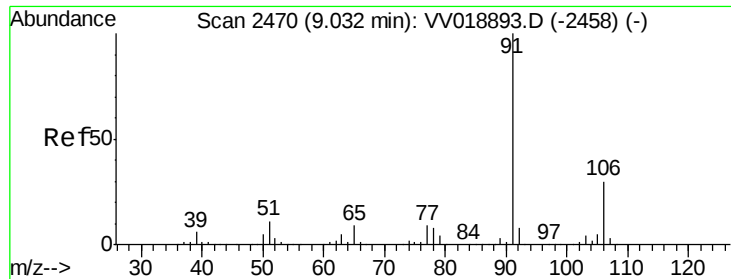
Tgt Ion:107 Resp: 581538
Ion Ratio Lower Upper
107 100
109 94.5 65.8 122.2
188 4.1 3.2 4.8



#51
Chlorobenzene
Concen: 192.967 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018895.D
Acq: 14 Oct 2020 14:45

Tgt Ion:112 Resp: 1485169
Ion Ratio Lower Upper
112 100
114 32.3 21.8 40.6
77 61.5 49.2 73.8

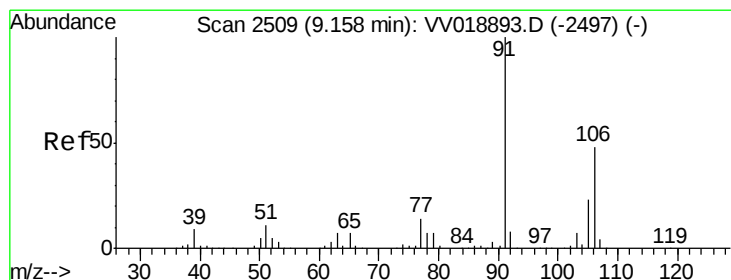
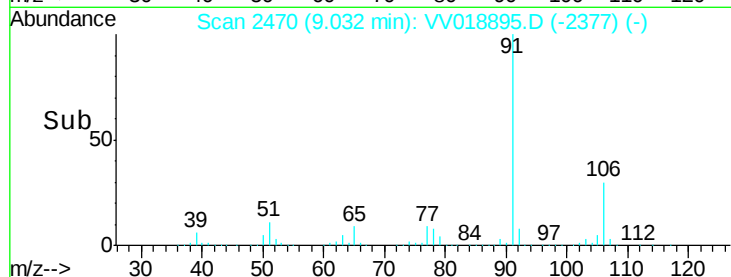
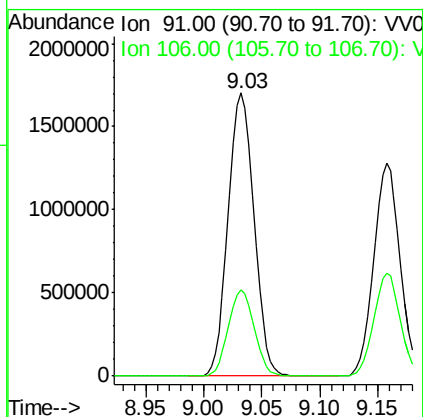
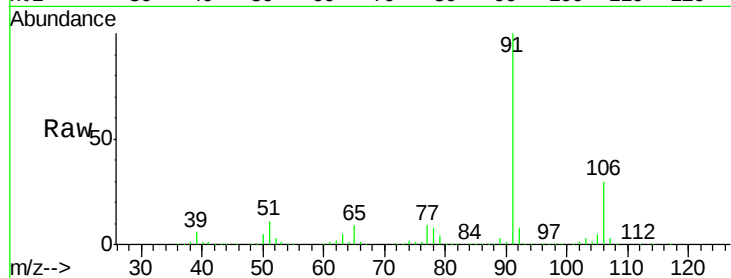




#52
Ethylbenzene
Concen: 205.540 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV018895.D
Acq: 14 Oct 2020 14:45

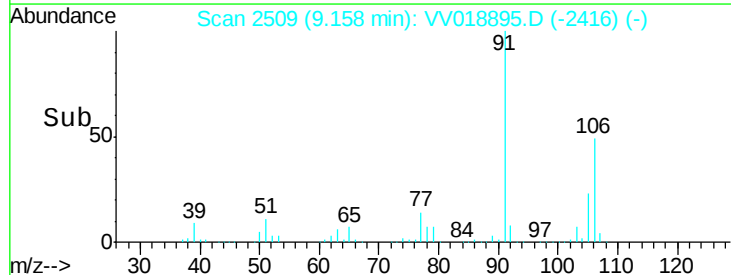
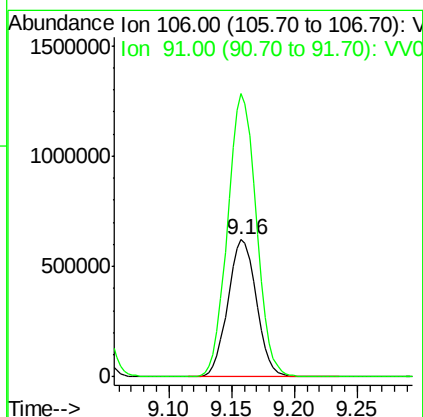
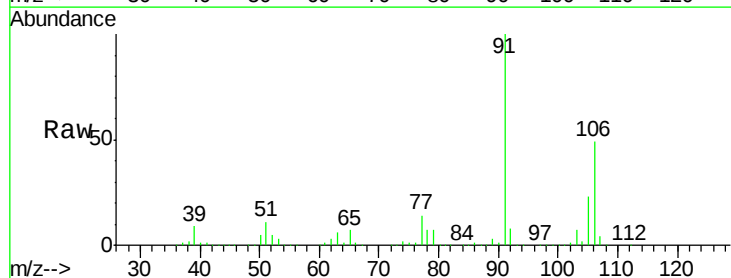
Instrument :
MSVOA_V
ClientSampleId :
VSTD20005

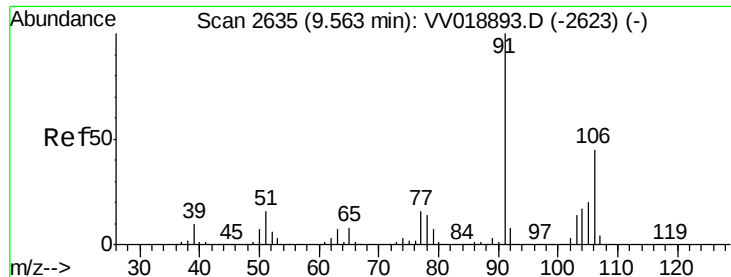
Tgt Ion: 91 Resp: 2626700
Ion Ratio Lower Upper
91 100
106 30.3 20.9 38.9



#53
m,p-Xylene
Concen: 206.760 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018895.D
Acq: 14 Oct 2020 14:45

Tgt Ion: 106 Resp: 984398
Ion Ratio Lower Upper
106 100
91 206.0 145.9 270.9





#54

o-xylene

Concen: 209.393 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

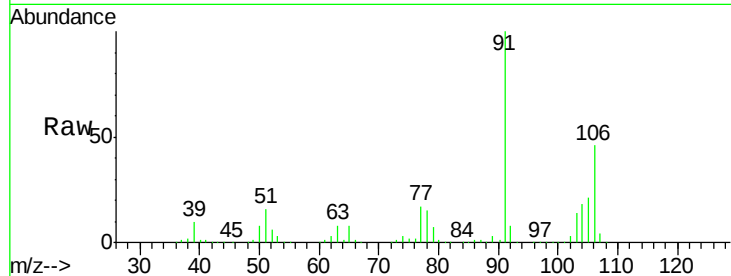
VSTD20005

Tgt Ion:106 Resp: 953775

Ion Ratio Lower Upper

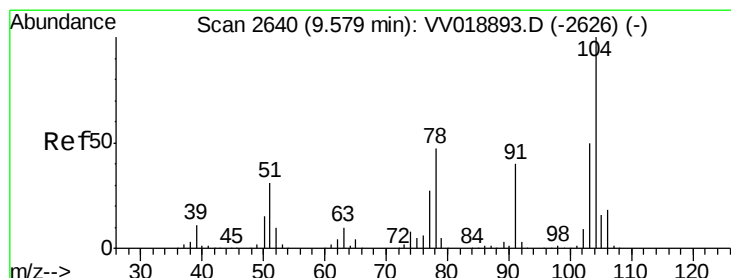
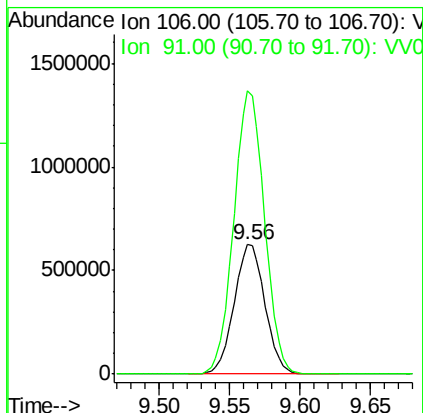
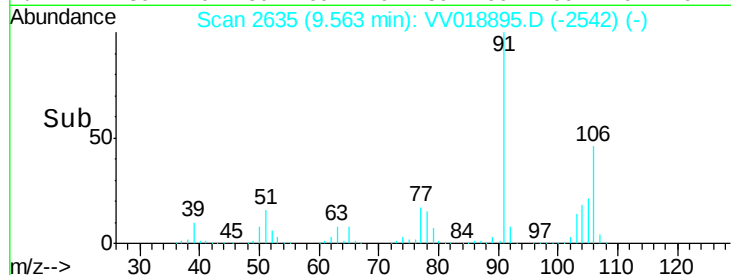
106 100

91 218.9 155.8 289.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 213.707 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018895.D

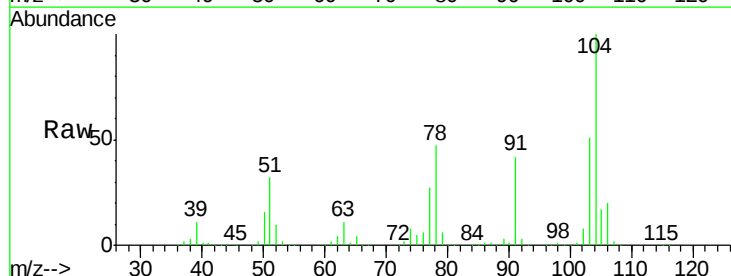
Acq: 14 Oct 2020 14:45

Tgt Ion:104 Resp: 1712181

Ion Ratio Lower Upper

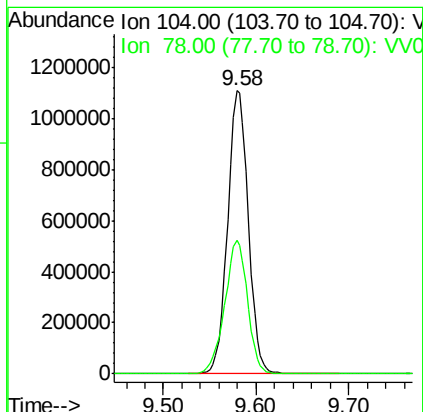
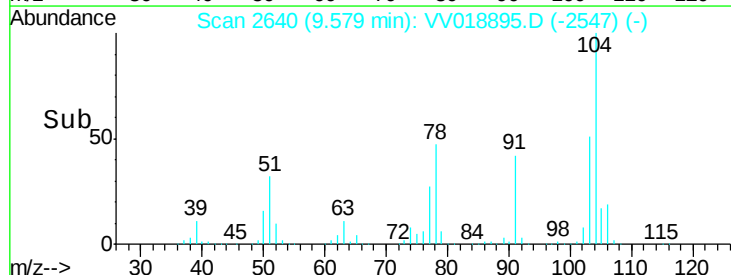
104 100

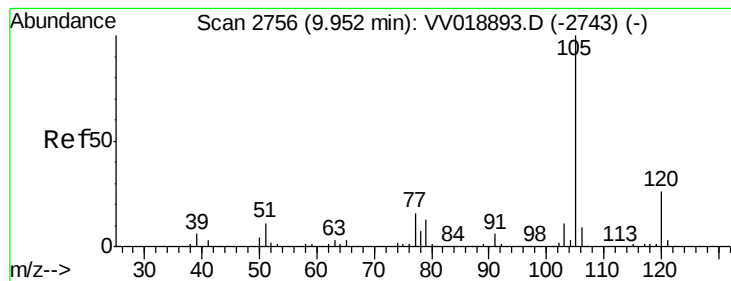
78 47.3 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 210.328 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20005

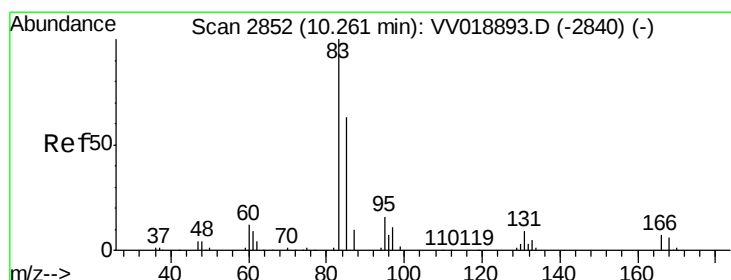
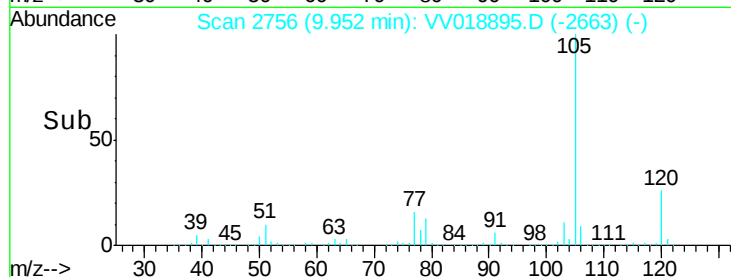
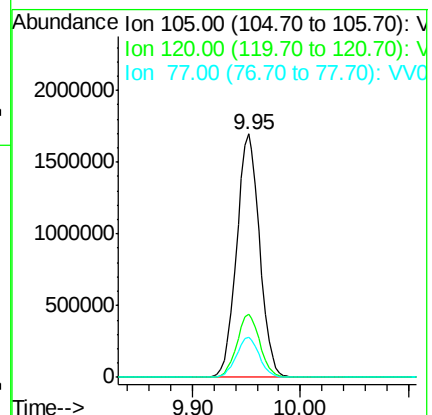
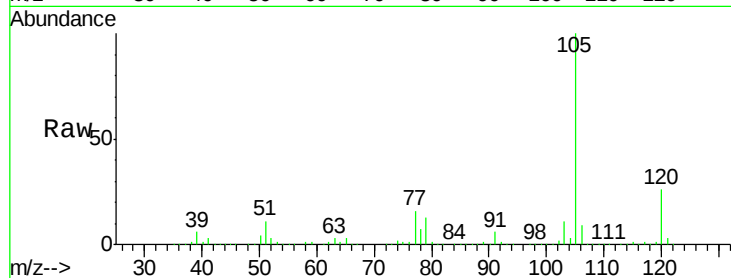
Tgt Ion: 105 Resp: 2515087

Ion Ratio Lower Upper

105 100

120 26.0 20.4 30.6

77 16.3 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 218.921 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

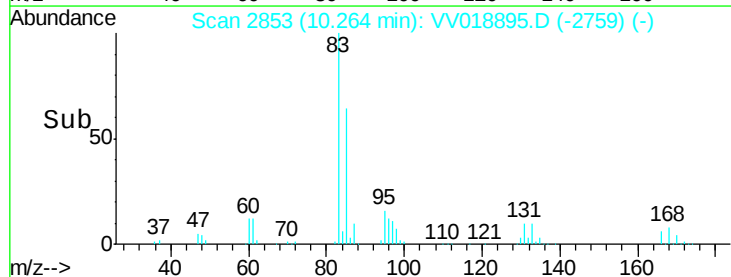
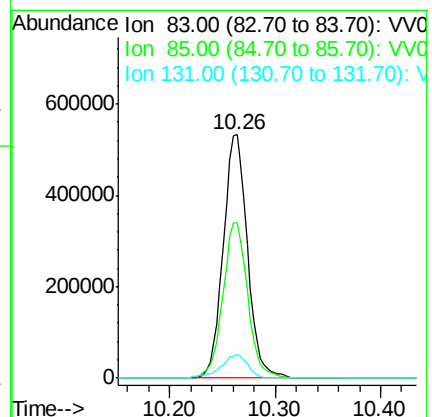
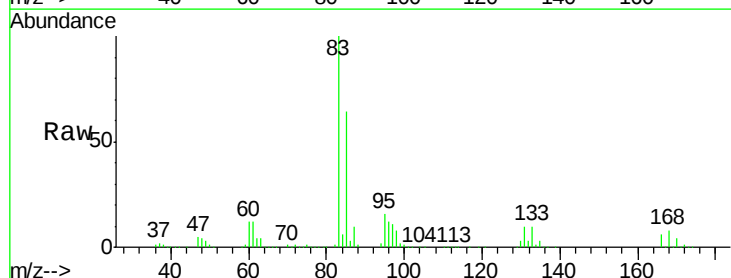
Tgt Ion: 83 Resp: 846054

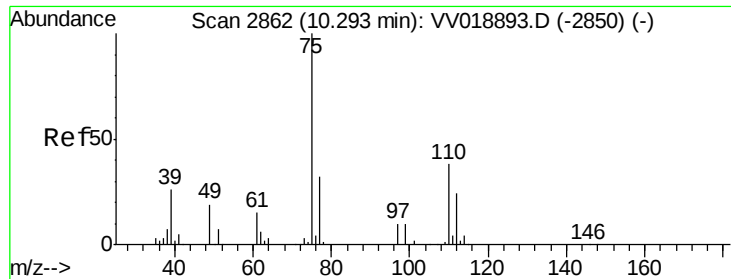
Ion Ratio Lower Upper

83 100

85 64.0 44.7 82.9

131 9.6 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 194.722 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

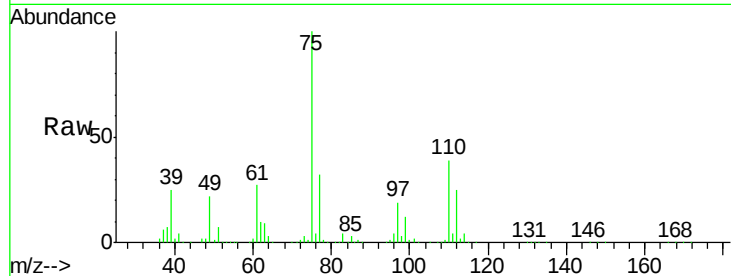
VSTD20005

Tgt Ion: 75 Resp: 721207

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV018893.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018893.D (-2850) (-)

10.29

500000

400000

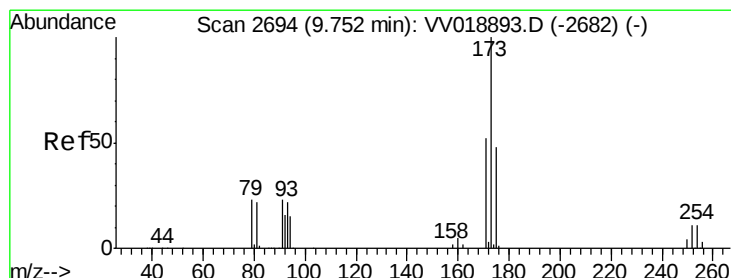
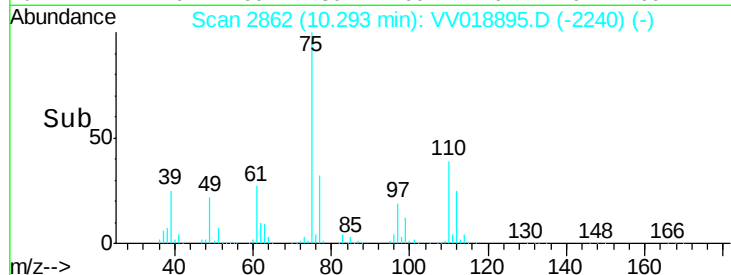
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 210.604 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

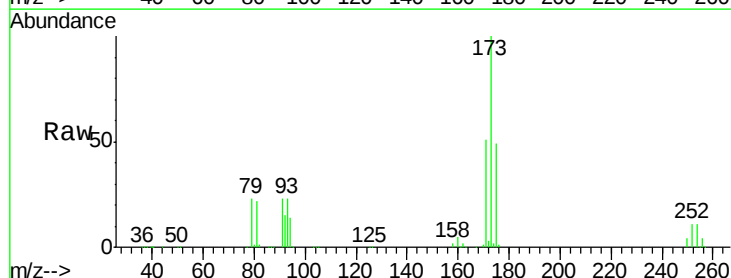
Tgt Ion: 173 Resp: 470253

Ion Ratio Lower Upper

173 100

175 49.2 38.2 57.2

254 10.6 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): VV018893.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018893.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018893.D (-2682) (-)

9.75

400000

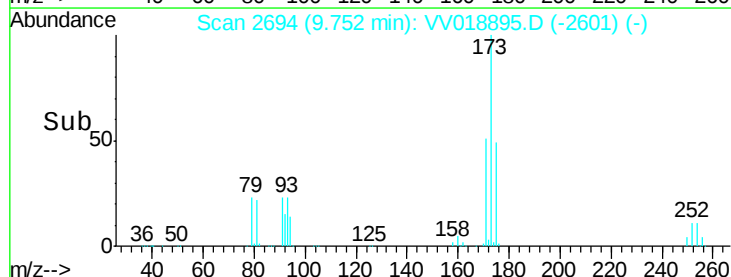
300000

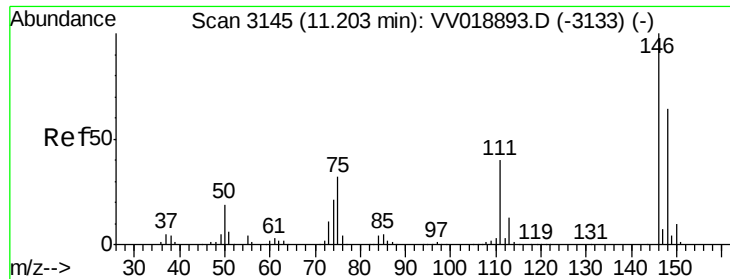
200000

100000

0

Time--> 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 193.016 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20005

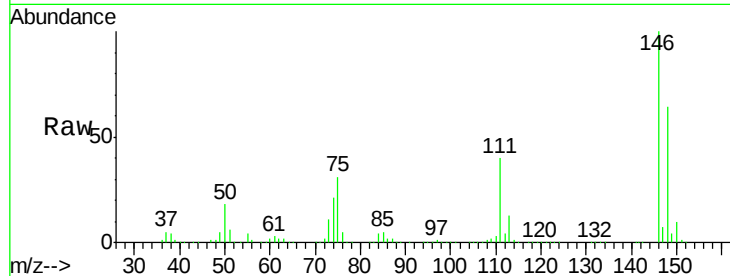
Tgt Ion:146 Resp: 1223072

Ion Ratio Lower Upper

146 100

111 40.4 28.3 52.7

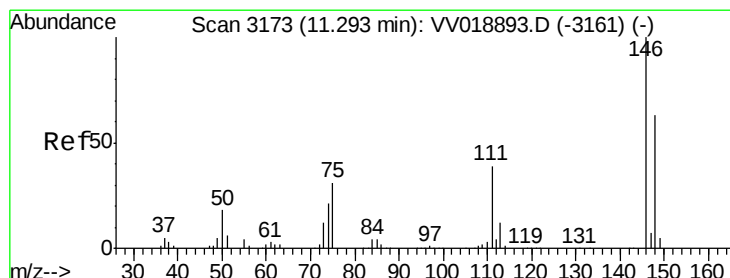
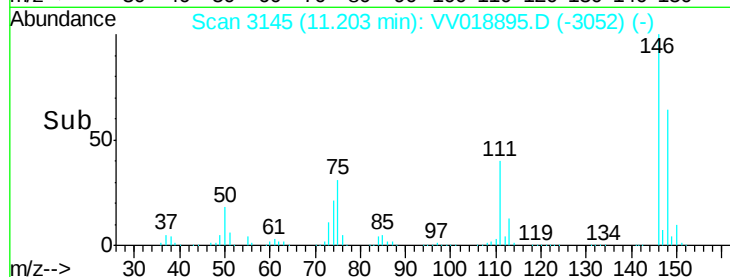
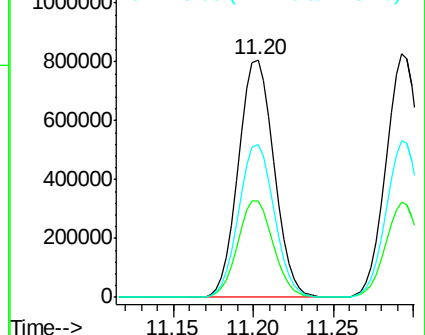
148 64.5 45.1 83.7



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: 188.781 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

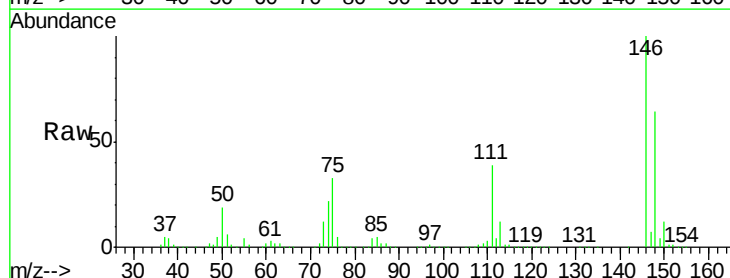
Tgt Ion:146 Resp: 1257664

Ion Ratio Lower Upper

146 100

111 39.0 27.5 51.1

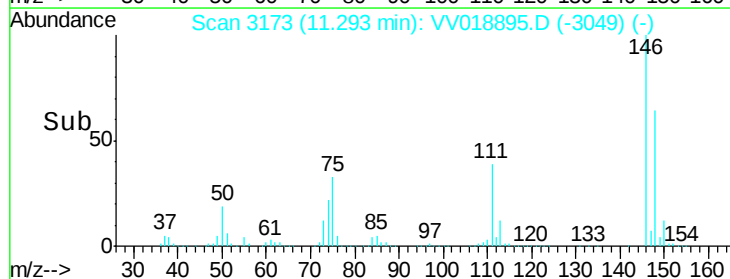
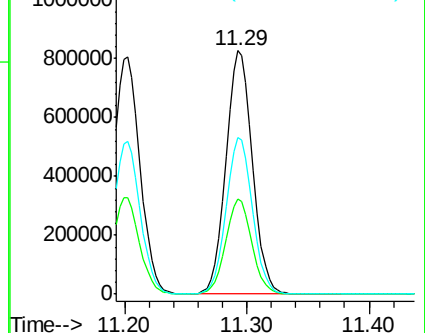
148 64.2 44.1 81.9

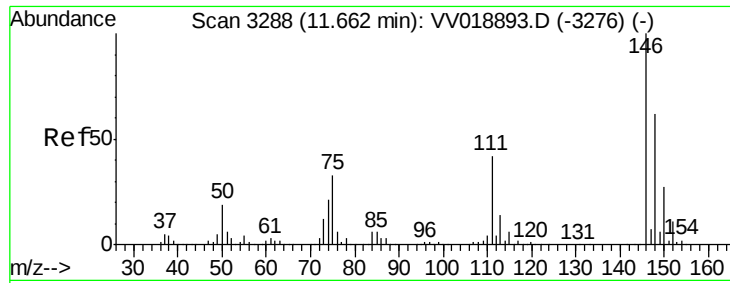


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

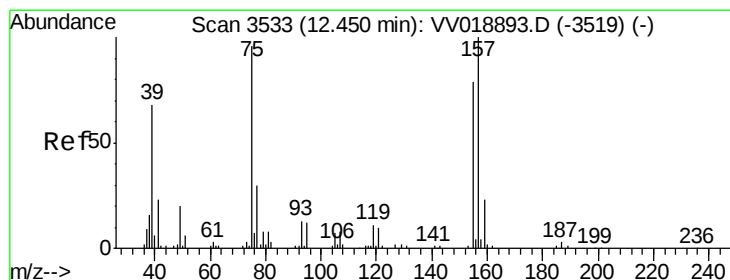
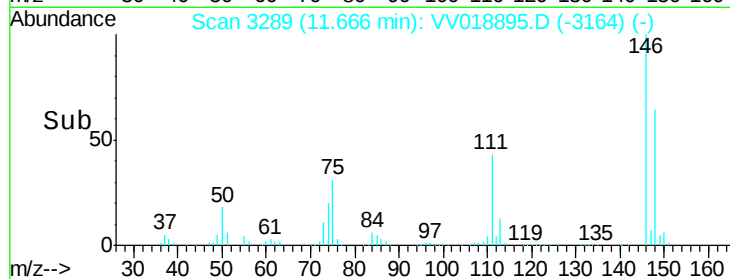
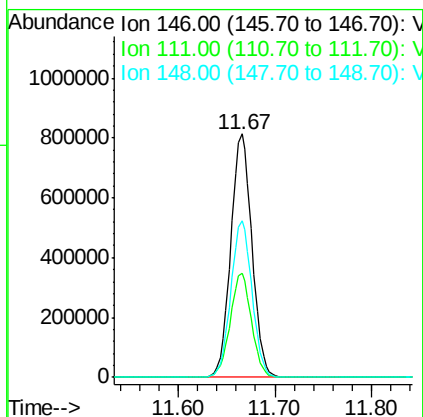
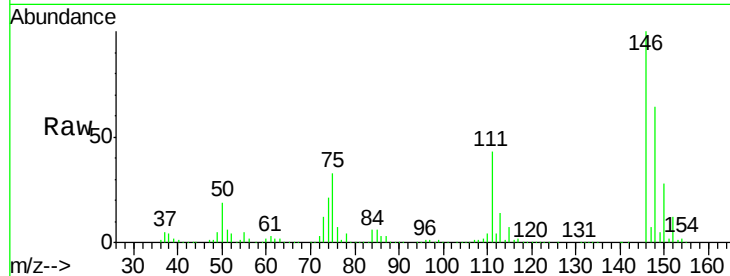




#65
 1,2-Dichlorobenzene
 Concen: 192.757 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018895.D
 Acq: 14 Oct 2020 14:45

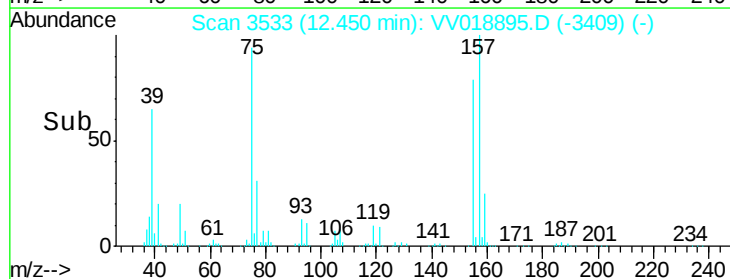
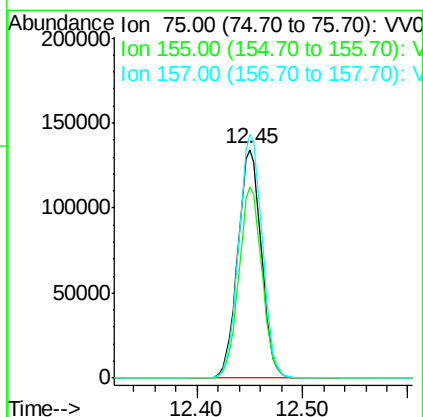
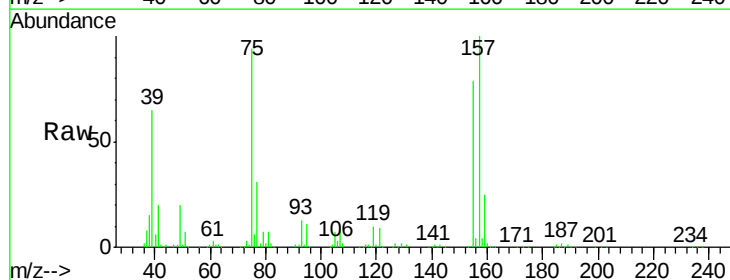
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20005

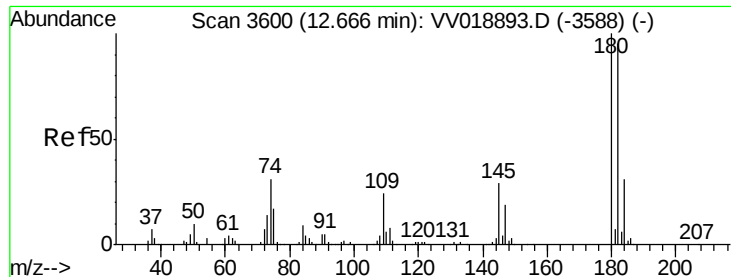
Tgt Ion:146 Resp: 1232317
 Ion Ratio Lower Upper
 146 100
 111 42.8 33.9 50.9
 148 64.4 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 217.352 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018895.D
 Acq: 14 Oct 2020 14:45

Tgt Ion: 75 Resp: 207076
 Ion Ratio Lower Upper
 75 100
 155 83.9 65.7 98.5
 157 106.6 83.0 124.4





#67

1,3,5-Trichlorobenzene

Concen: 199.820 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20005

Tgt Ion:180 Resp: 850556

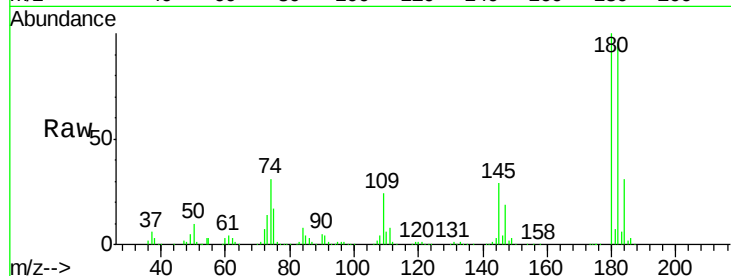
Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.8

184 31.0 24.9 37.3

145 29.2 23.2 34.8

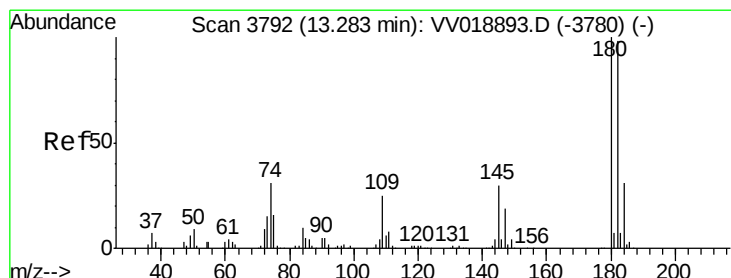
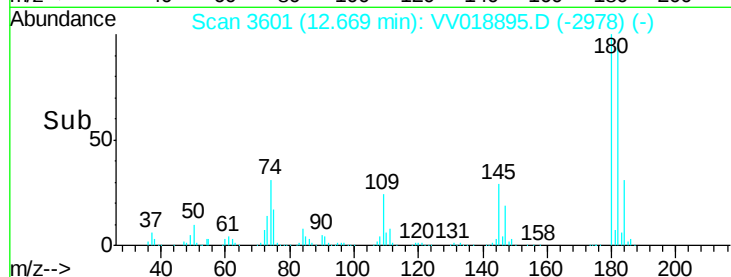
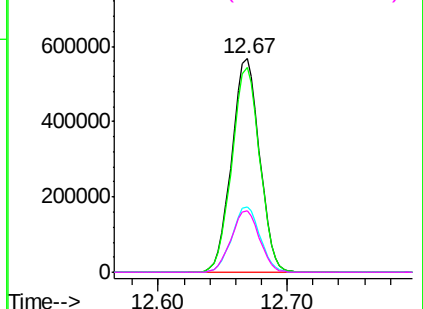


Abundance Ion 180.00 (179.70 to 180.70): V

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: 208.470 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

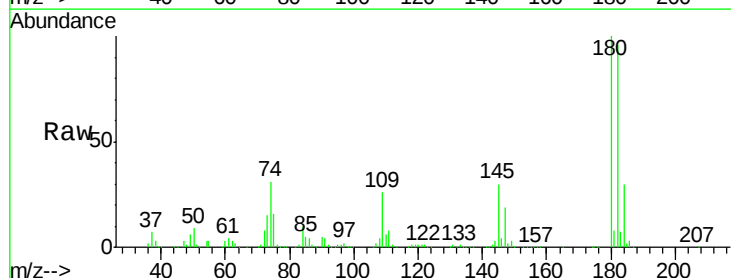
Tgt Ion:180 Resp: 817672

Ion Ratio Lower Upper

180 100

182 95.9 76.5 114.7

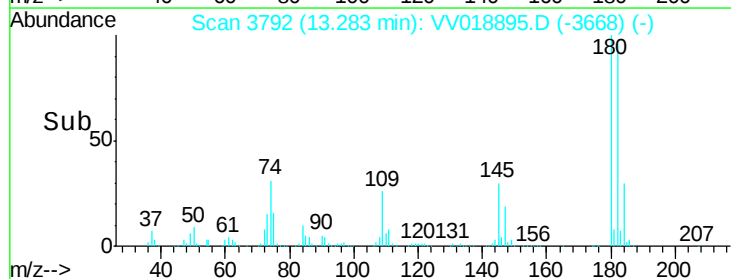
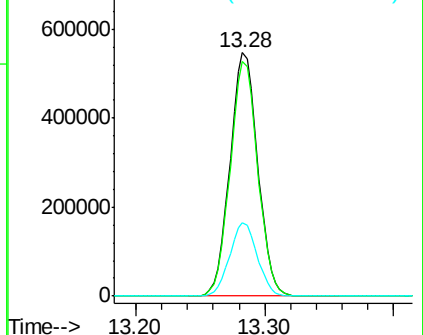
145 30.0 23.7 35.5

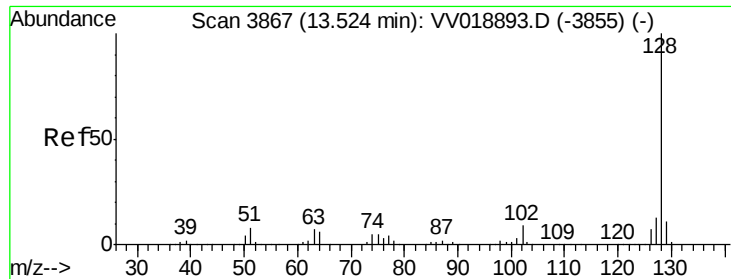


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 227.484 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20005

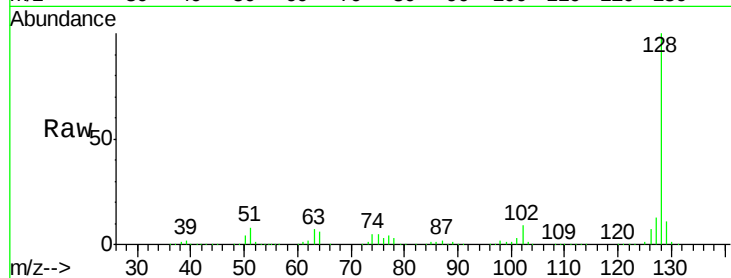
Tgt Ion:128 Resp: 2532157

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

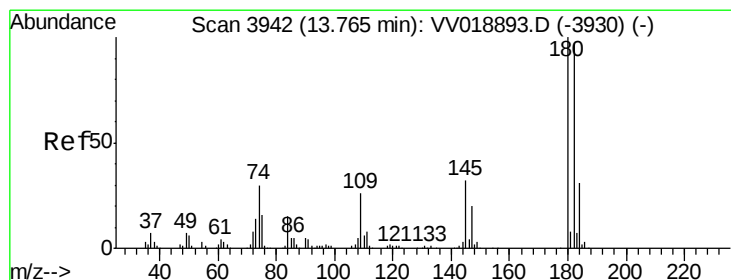
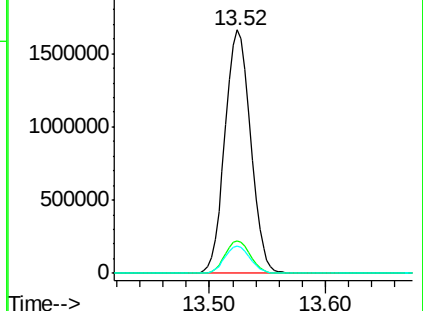
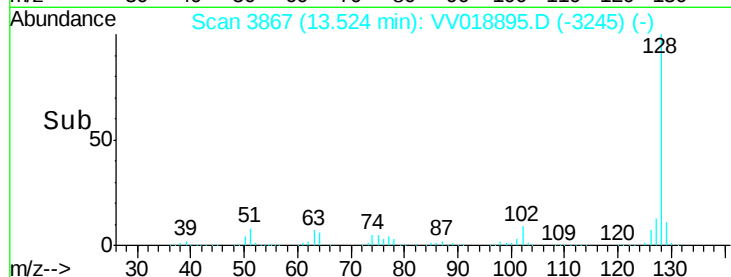
129 11.0 8.9 13.3



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: 200.496 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018895.D

Acq: 14 Oct 2020 14:45

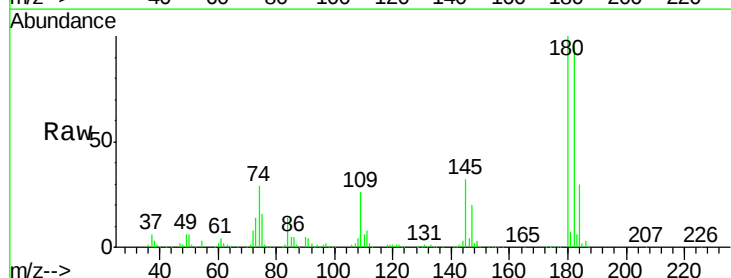
Tgt Ion:180 Resp: 786069

Ion Ratio Lower Upper

180 100

182 94.8 76.8 115.2

145 31.8 25.4 38.0



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

