

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019211.D
 Acq On : 02 Nov 2020 19:46
 Operator : SY/MD
 Sample : VSTD20064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200306

Quant Time: Nov 03 04:33:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:30:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	246497	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	240962	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	135620	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	387398	369.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	738.18%#
7) Chloroethane-d5	1.58	69	298251	369.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	739.68%#
11) 1,1-Dichloroethene-d2	2.12	63	721093	372.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	744.36%#
21) 2-Butanone-d5	3.90	46	486932	564.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	564.28%#
24) Chloroform-d	4.37	84	731809	253.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	506.48%#
26) 1,2-Dichloroethane-d4	5.05	65	504593	269.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	538.36%#
32) Benzene-d6	5.07	84	1355944	234.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	468.88%#
36) 1,2-Dichloropropane-d6	6.09	67	407166	232.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	465.74%#
41) Toluene-d8	7.33	98	1302411	236.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	473.64%#
43) trans-1,3-Dichloropropene-	7.64	79	250490	255.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	510.04%#
47) 2-Hexanone-d5	8.10	63	372129	540.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	540.93%#
56) 1,1,2,2-Tetrachloroethane-	10.23	84	559296	232.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	465.26%#
66) 1,2-Dichlorobenzene-d4	11.65	152	558133	231.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	463.46%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	312134	183.453	ug/L 100
3) Chloromethane	1.25	50	332538	227.838	ug/L 100
5) Vinyl chloride	1.32	62	349020	286.455	ug/L 100
6) Bromomethane	1.53	94	231898	327.475	ug/L 98
8) Chloroethane	1.59	64	222219	334.585	ug/L 100
9) Trichlorofluoromethane	1.76	101	574535	265.382	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	272912	288.706	ug/L 99
12) 1,1-Dichloroethene	2.13	96	281942	314.010	ug/L 95
13) Acetone	2.18	43	318431	441.905	ug/L 100
14) Carbon disulfide	2.31	76	812743	222.316	ug/L 100
15) Methyl Acetate	2.44	43	341051	250.156	ug/L 99
16) Methylene chloride	2.52	84	328808	204.467	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	304546	207.389	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	1121010	225.823	ug/L 99
19) 1,1-Dichloroethane	3.21	63	593251	222.262	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	349219	203.942	ug/L 98
22) 2-Butanone	3.98	43	481720	458.781	ug/L 99

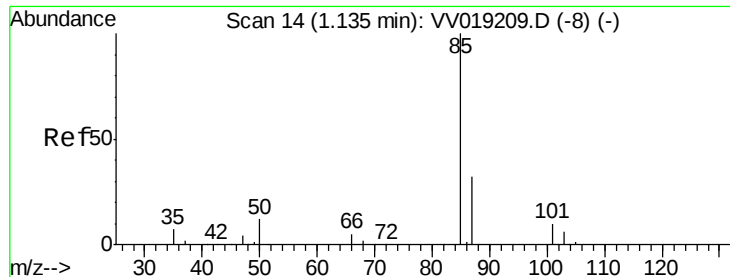
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
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 Operator : SY/MD
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 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:30:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	186972	216.041	ug/L	98
25) Chloroform	4.40	83	639062	212.570	ug/L	100
27) 1,2-Dichloroethane	5.15	62	553157	239.570	ug/L	99
29) Cyclohexane	4.70	56	461002	198.410	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	590607	215.624	ug/L	99
31) Carbon tetrachloride	4.85	117	520201	213.826	ug/L	98
33) Benzene	5.12	78	1282027	204.562	ug/L	100
34) Trichloroethene	5.94	95	337611	197.339	ug/L	98
35) Methylcyclohexane	6.15	83	437046	169.461	ug/L	99
37) 1,2-Dichloropropane	6.20	63	337499	218.668	ug/L	99
38) Bromodichloromethane	6.53	83	504221	211.196	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	591525	219.912	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	981103	494.250	ug/L	99
42) Toluene	7.41	91	1418540	206.082	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	607425	236.840	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	336029	205.179	ug/L	98
46) Tetrachloroethene	8.00	164	279878	203.348	ug/L	99
48) 2-Hexanone	8.16	43	755577	492.456	ug/L	99
49) Dibromochloromethane	8.27	129	424820	214.755	ug/L	98
50) 1,2-Dibromoethane	8.37	107	357594	199.853	ug/L	97
51) Chlorobenzene	8.90	112	922997	199.417	ug/L	100
52) Ethylbenzene	9.03	91	1585994	201.528	ug/L	99
53) m,p-Xylene	9.16	106	599306	197.201	ug/L	98
54) o-Xylene	9.56	106	589523	201.346	ug/L	97
55) Styrene	9.58	104	1064246	211.558	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.26	83	520091	201.599	ug/L	99
59) Bromoform	9.75	173	334874	216.471	ug/L	99
60) Isopropylbenzene	9.95	105	1553698	184.072	ug/L	100
61) 1,2,3-Trichloropropane	10.29	75	433266	192.739	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	1336817	185.543	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	1307966	185.924	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	791194	192.635	ug/L	100
65) 1,4-Dichlorobenzene	11.29	146	808232	191.252	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	801903	197.150	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.45	75	141128	208.196	ug/L	94
69) 1,3,5-Trichlorobenzene	12.67	180	575635	194.444	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	570499	211.872	ug/L	100
71) Naphthalene	13.52	128	1777753	218.667	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	560106	211.650	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 183.453 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019211.D

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Instrument :

MSVOA_V

ClientSampleId :

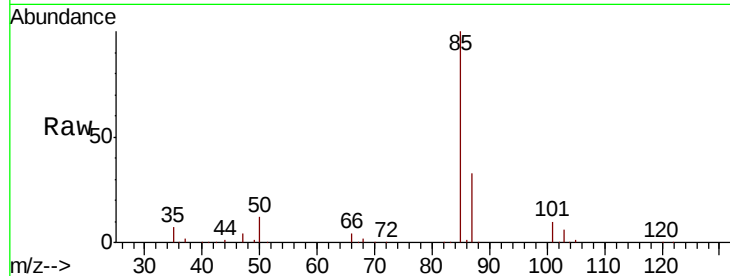
VSTD200306

Tot Ion: 85 Resp: 312134

Ion Ratio Lower Upper

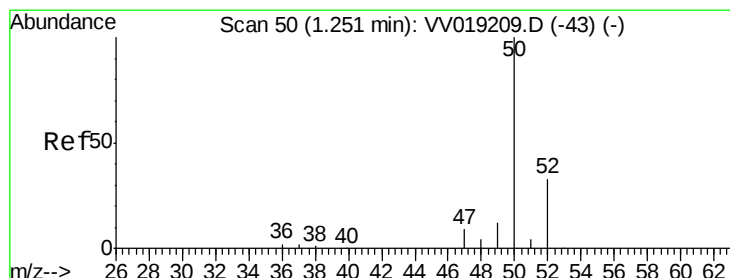
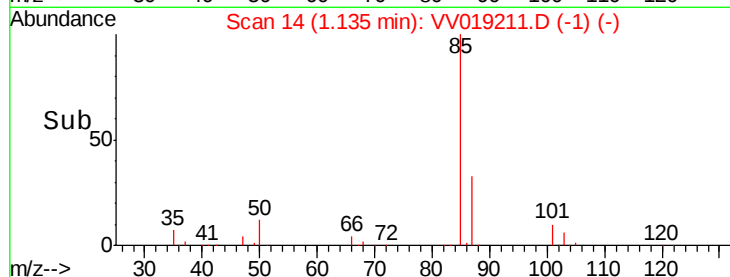
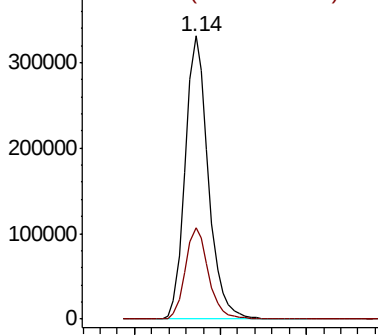
85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 227.838 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019211.D

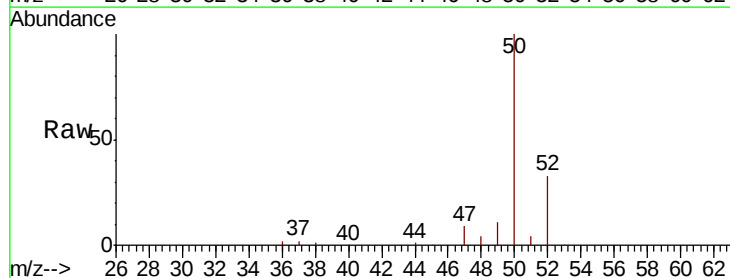
Acq: 02 Nov 2020 19:46

Tgt Ion: 50 Resp: 332538

Ion Ratio Lower Upper

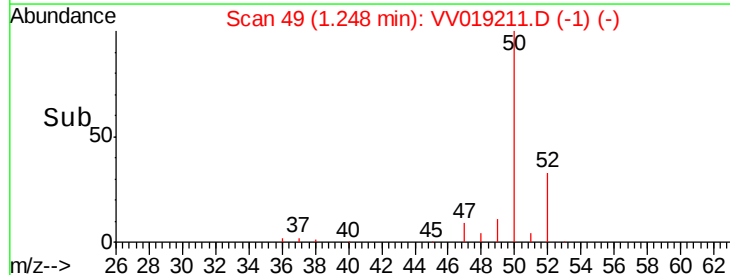
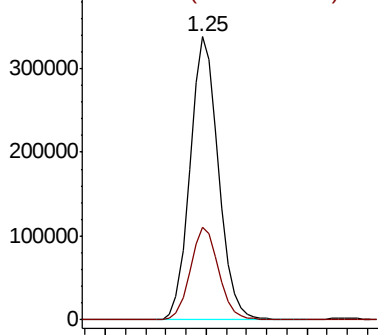
50 100

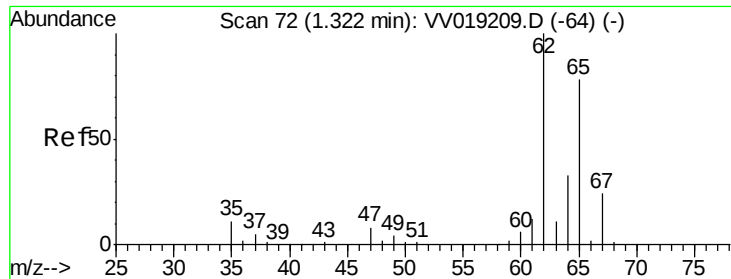
52 32.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 286.455 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

Instrument :

MSVOA_V

ClientSampleId :

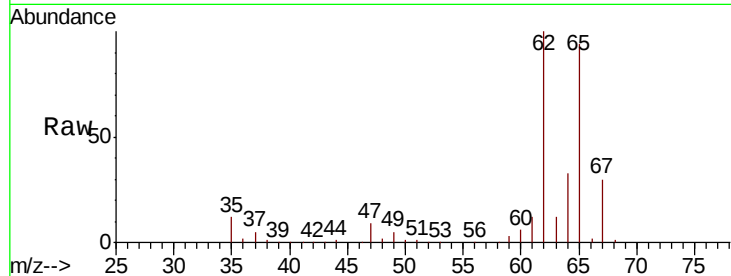
VSTD200306

Tot Ion: 62 Resp: 349020

Ion Ratio Lower Upper

62 100

64 33.2 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

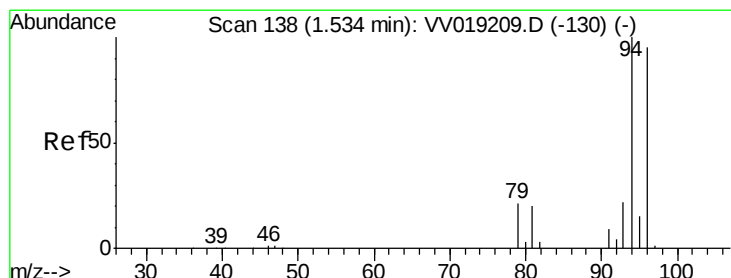
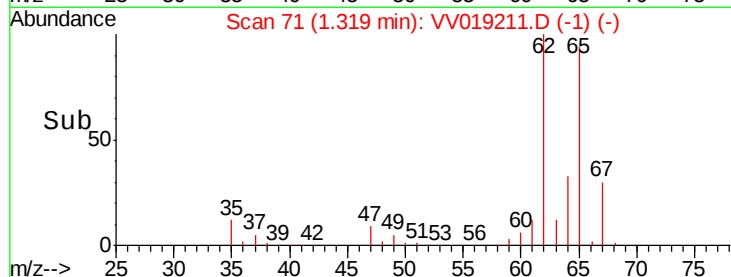
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 327.475 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019211.D

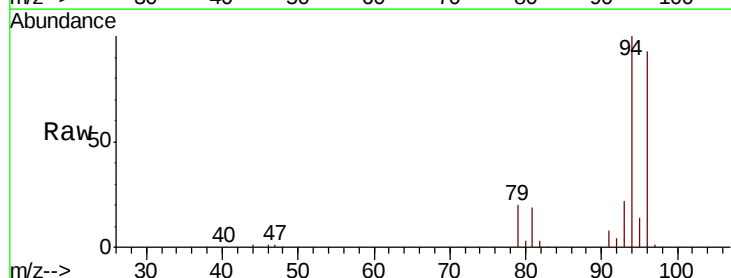
Acq: 02 Nov 2020 19:46

Tgt Ion: 94 Resp: 231898

Ion Ratio Lower Upper

94 100

96 93.0 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

200000

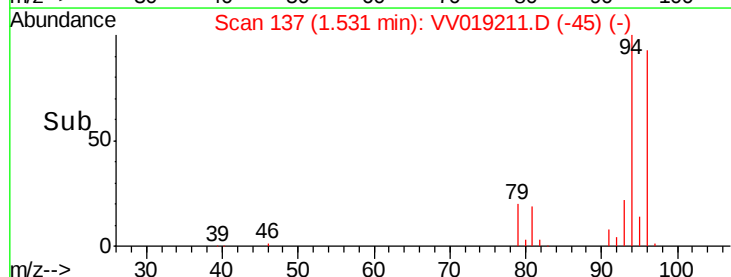
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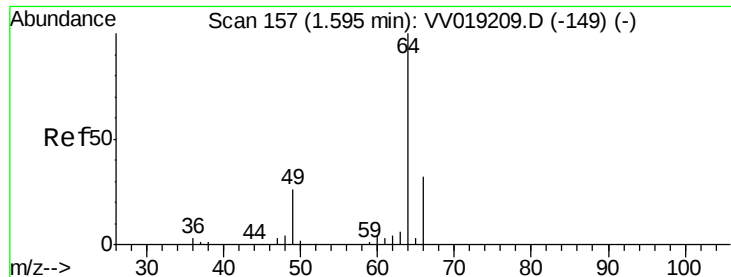
100000

50000

0

Time-->





#8

Chloroethane

Concen: 334.585 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

Instrument :

MSVOA_V

ClientSampleId :

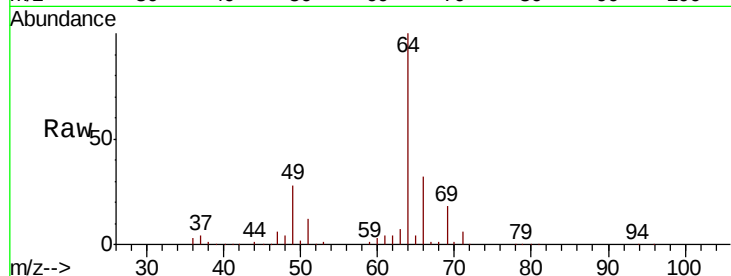
VSTD200306

Tot Ion: 64 Resp: 222219

Ion Ratio Lower Upper

64 100

66 32.3 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV019209.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV019209.D (-149) (-)

1.59

200000

150000

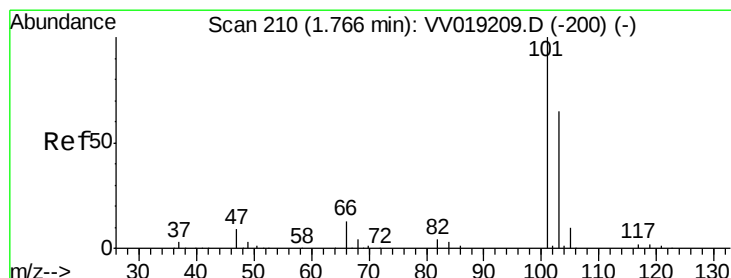
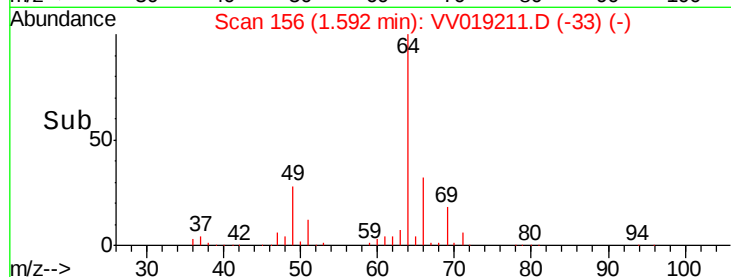
100000

50000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 265.382 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019211.D

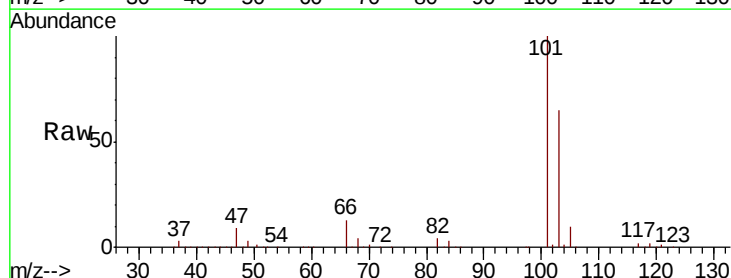
Acq: 02 Nov 2020 19:46

Tgt Ion: 101 Resp: 574535

Ion Ratio Lower Upper

101 100

103 64.6 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV019209.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV019209.D (-200) (-)

1.76

500000

400000

300000

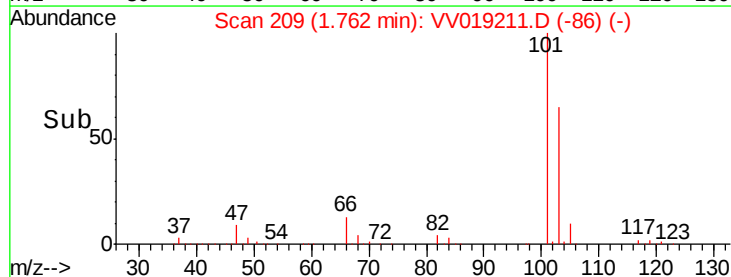
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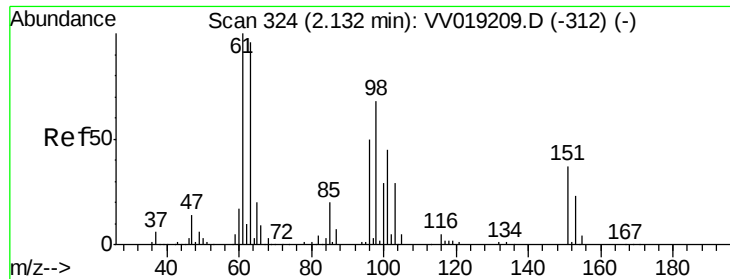
100000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 288.706 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD200306

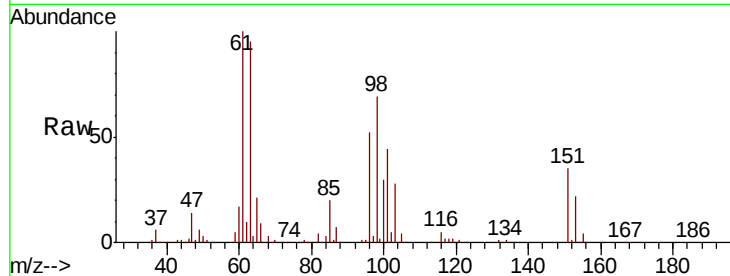
Tot Ion:101 Resp: 272912

Ion Ratio Lower Upper

101 100

85 45.3 35.6 53.4

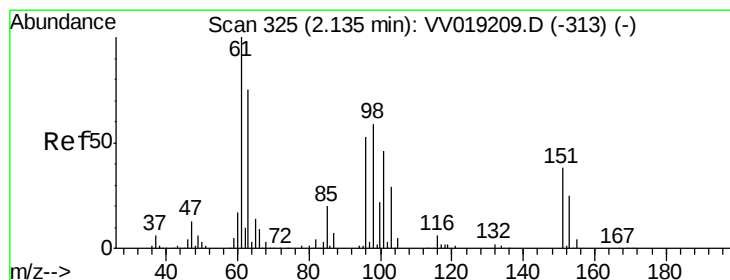
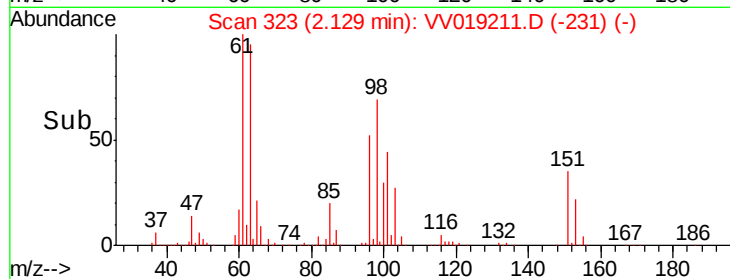
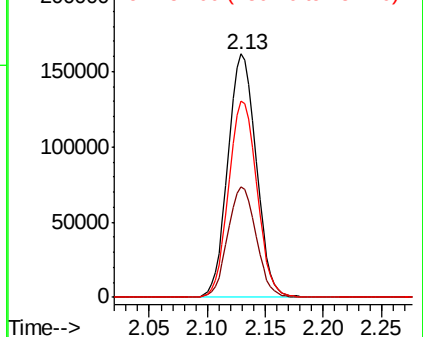
151 80.7 64.1 96.1



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: 314.010 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

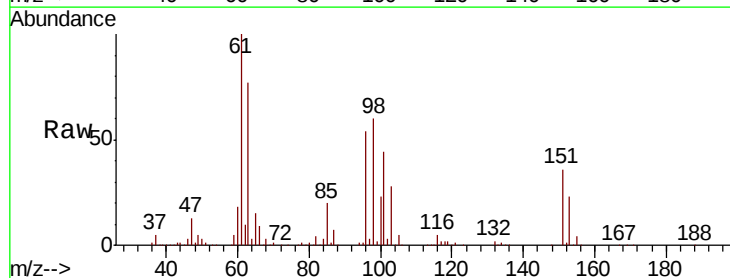
Tgt Ion: 96 Resp: 281942

Ion Ratio Lower Upper

96 100

61 183.8 133.6 248.0

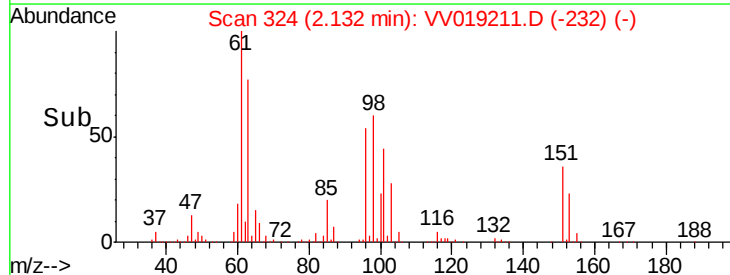
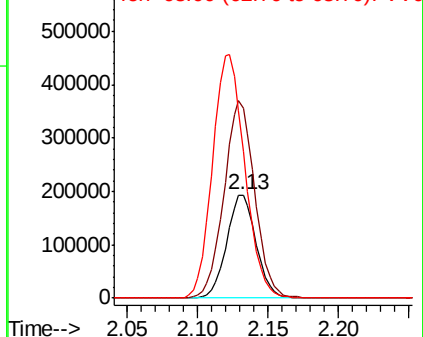
63 141.5 103.0 191.2

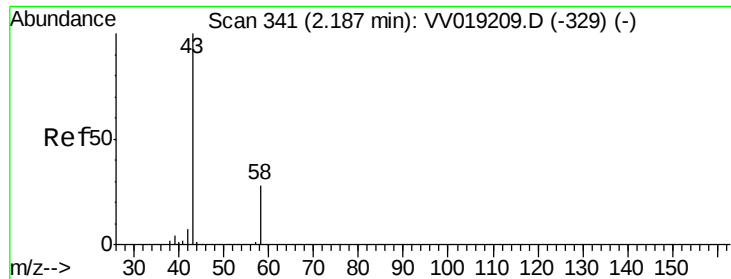


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 441.905 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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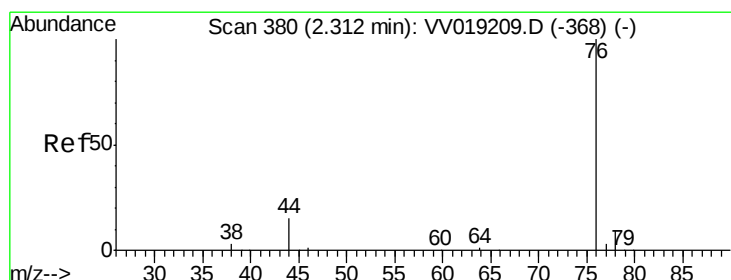
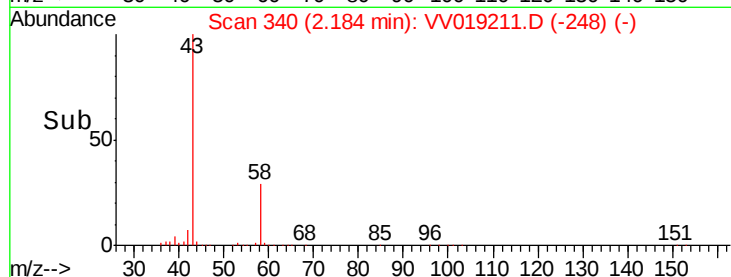
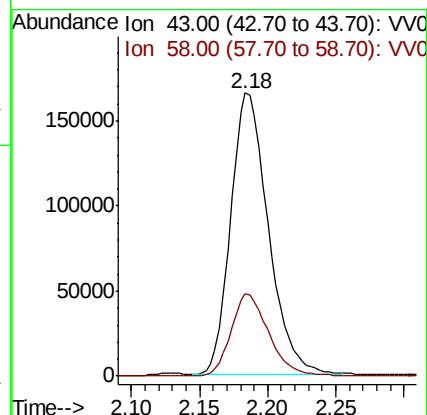
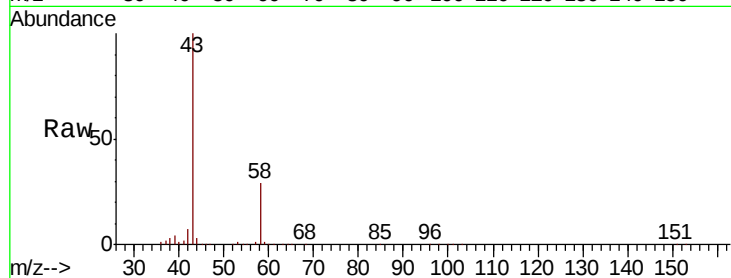
VSTD200306

Tot Ion: 43 Resp: 318431

Ion Ratio Lower Upper

43 100

58 28.9 0.0 57.8



#14

Carbon disulfide

Concen: 222.316 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019211.D

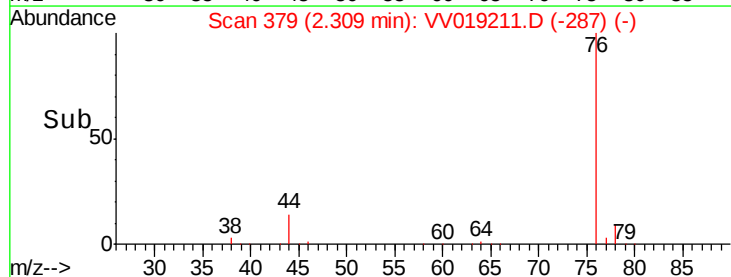
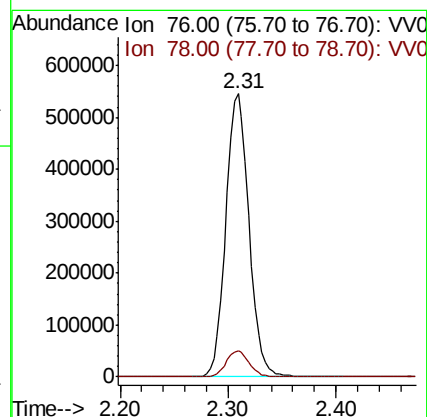
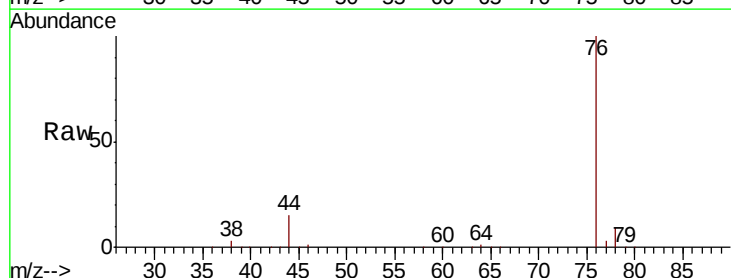
Acq: 02 Nov 2020 19:46

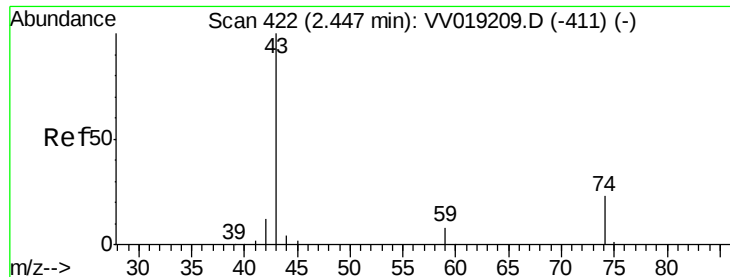
Tgt Ion: 76 Resp: 812743

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

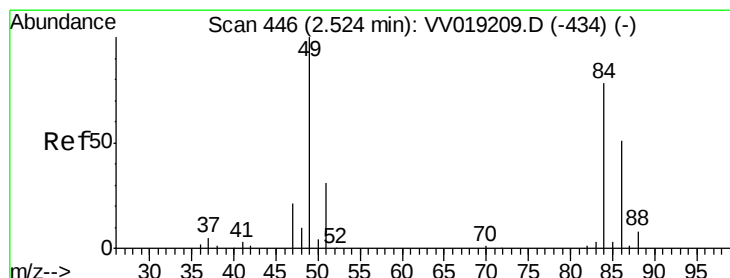
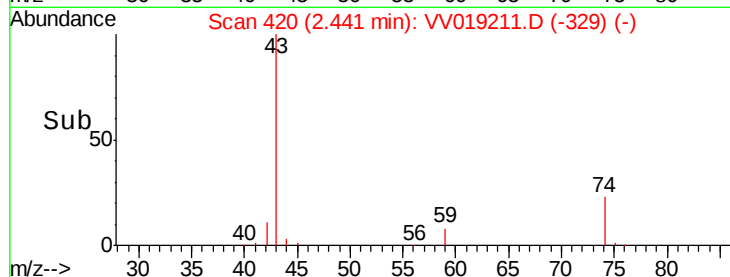
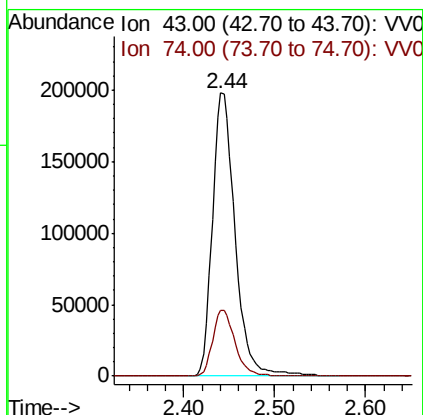
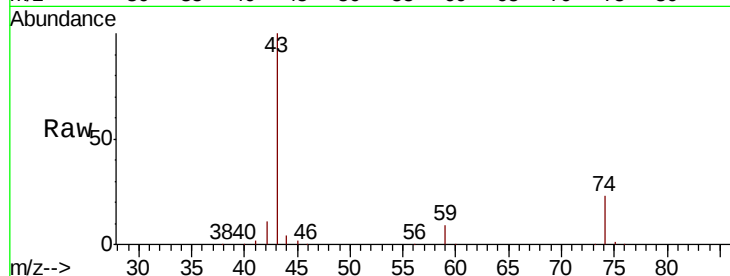




#15
Methvl Acetate
Concen: 250.156 ug/L
RT: 2.44 min Scan# 420
Delta R.T. -0.01 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

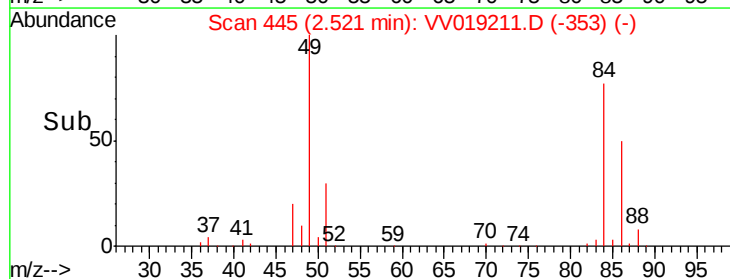
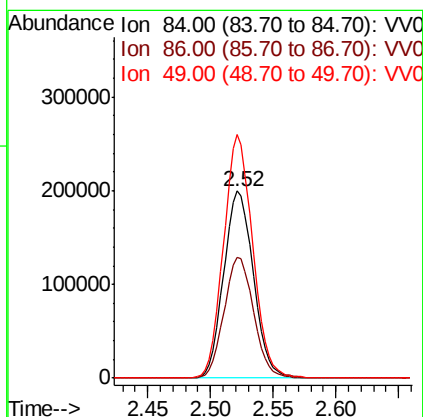
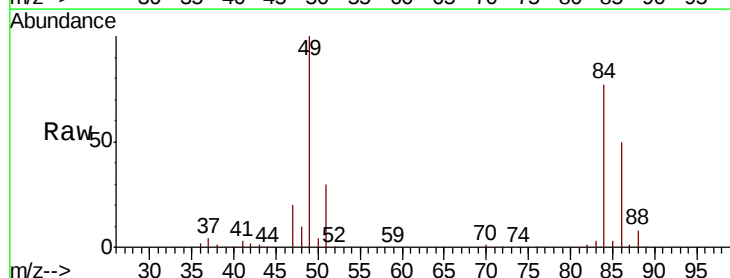
Instrument :
MSVOA_V
ClientSampleId :
VSTD200306

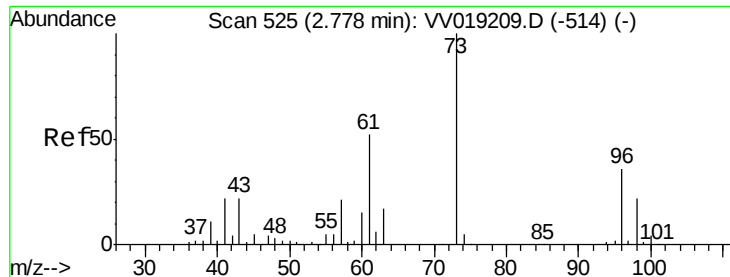
Tot Ion: 43 Resp: 341051
Ion Ratio Lower Upper
43 100
74 23.1 18.8 28.2



#16
Methylene chloride
Concen: 204.467 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

Tgt Ion: 84 Resp: 328808
Ion Ratio Lower Upper
84 100
86 64.8 45.6 84.8
49 130.1 89.3 165.9

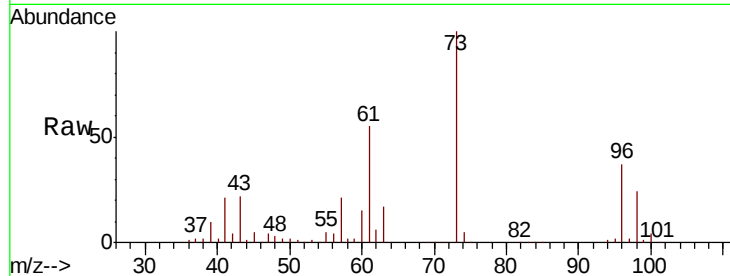




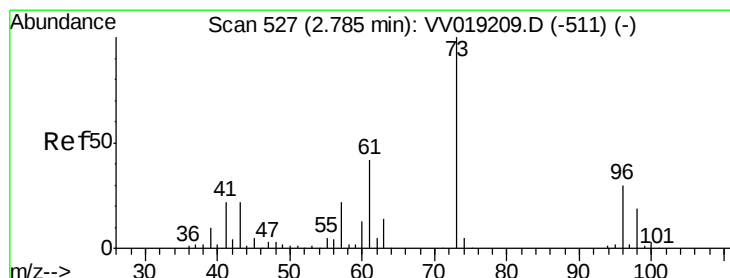
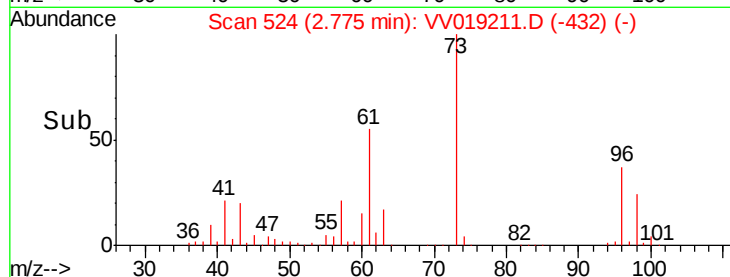
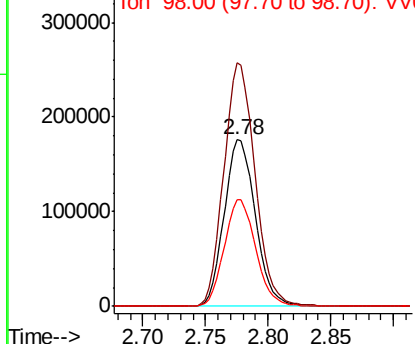
#17
trans-1,2-Dichloroethene
Concen: 207.389 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD200306

Tot Ion: 96 Resp: 304546
Ion Ratio Lower Upper
96 100
61 146.1 100.7 187.1
98 64.0 42.9 79.7

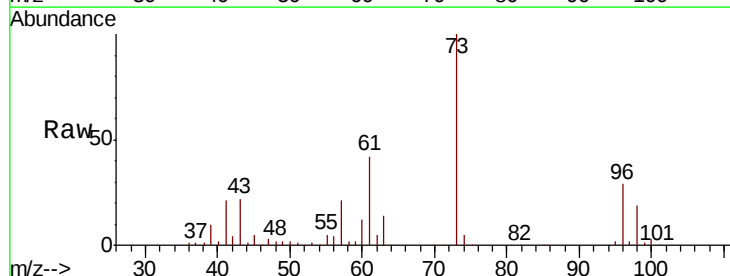


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

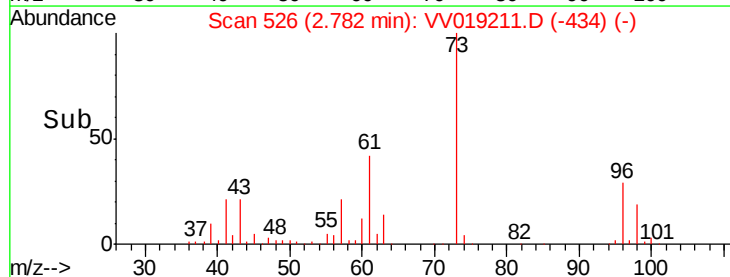
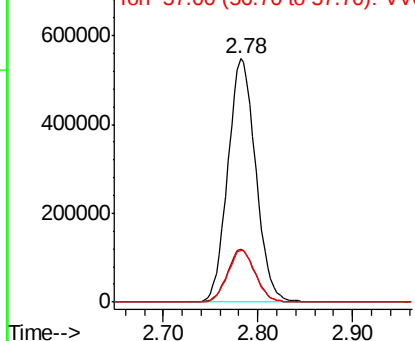


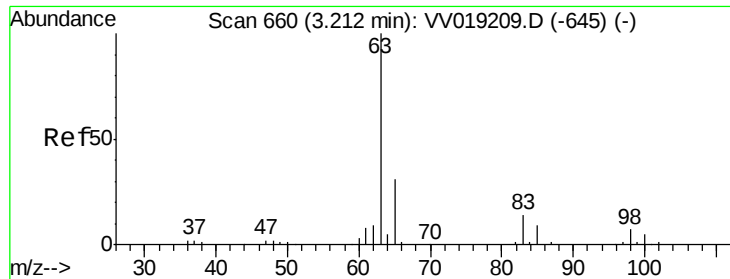
#18
Methyl tert-butyl Ether
Concen: 225.823 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

Tgt Ion: 73 Resp: 1121010
Ion Ratio Lower Upper
73 100
43 21.6 17.9 26.9
57 21.3 17.1 25.7



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

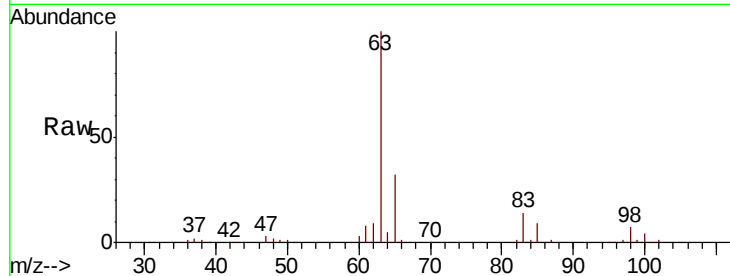




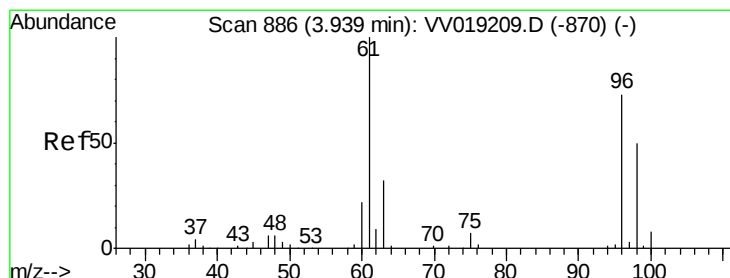
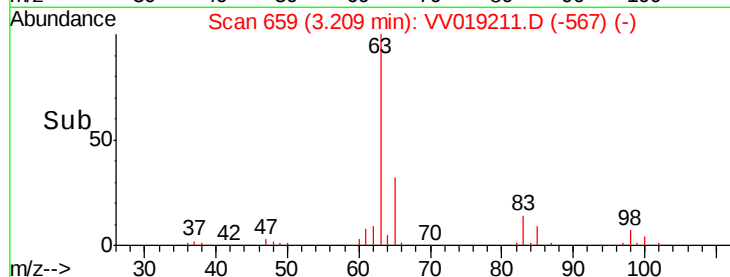
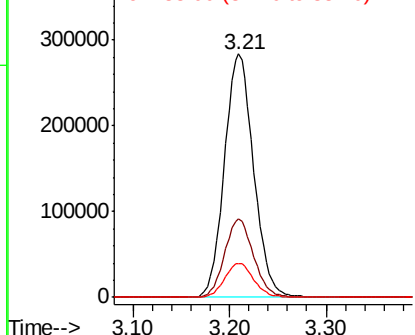
#19
 1,1-Dichloroethane
 Concen: 222.262 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200306

Tot Ion: 63 Resp: 593251
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.8 40.6
 83 14.0 9.5 17.7

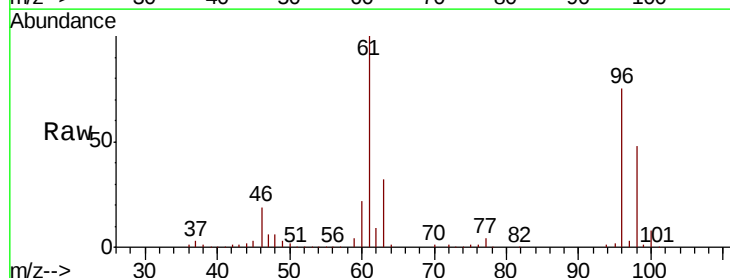


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

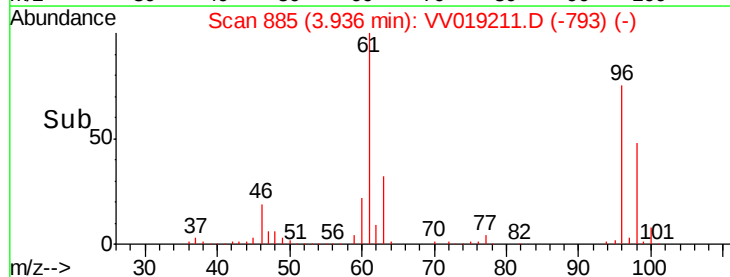
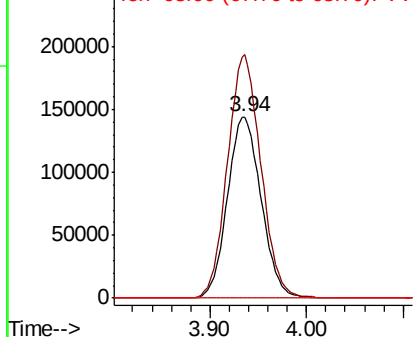


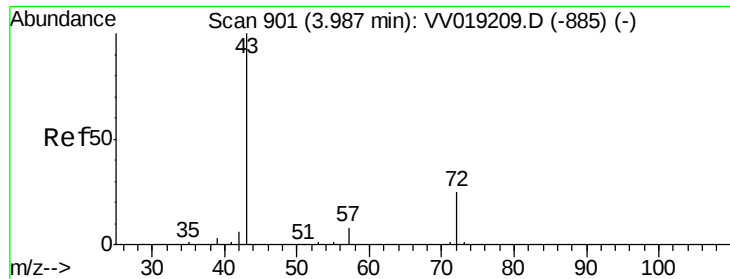
#20
 cis-1,2-Dichloroethene
 Concen: 203.942 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

Tgt Ion: 96 Resp: 349219
 Ion Ratio Lower Upper
 96 100
 61 134.2 95.6 177.6
 68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 458.781 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

Instrument :

MSVOA_V

ClientSampleId :

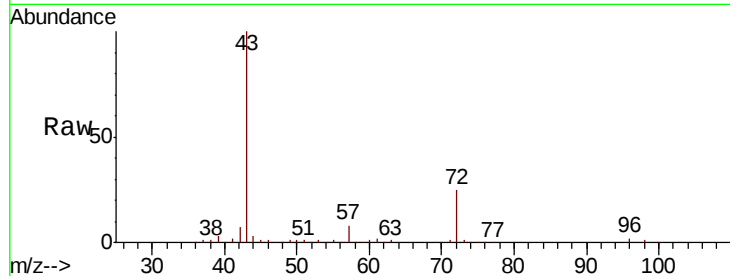
VSTD200306

Tot Ion: 43 Resp: 481720

Ion Ratio Lower Upper

43 100

72 25.8 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV019211.D (-898) (-)

Ion 72.00 (71.70 to 72.70): VV019211.D (-898) (-)

3.98

200000

150000

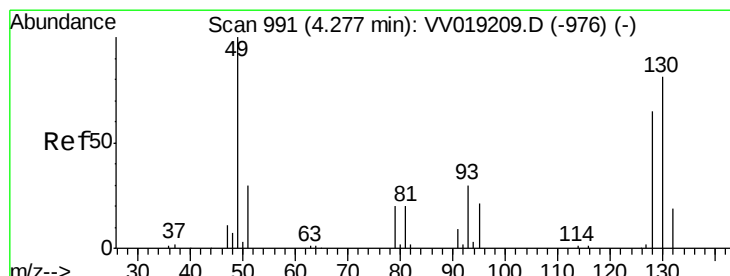
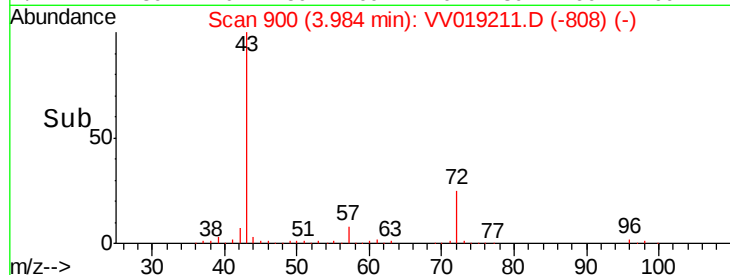
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#23

Bromochloromethane

Concen: 216.041 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

Tgt Ion: 128 Resp: 186972

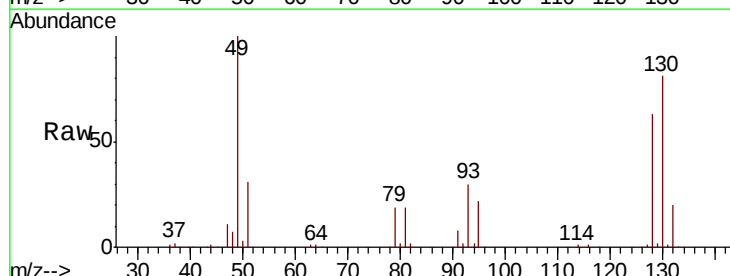
Ion Ratio Lower Upper

128 100

49 157.6 108.8 202.2

130 128.1 88.5 164.3

51 48.7 37.8 56.6



Abundance Ion 128.00 (127.70 to 128.70): VV019211.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV019211.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV019211.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV019211.D (-898) (-)

4.27

150000

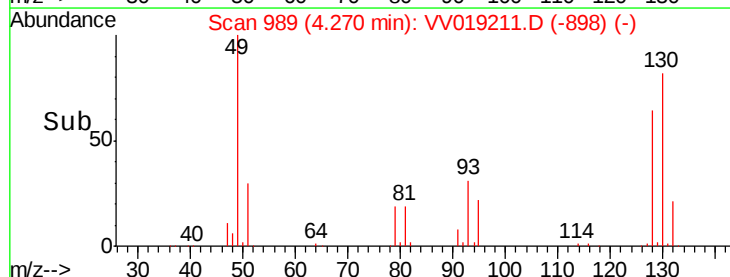
100000

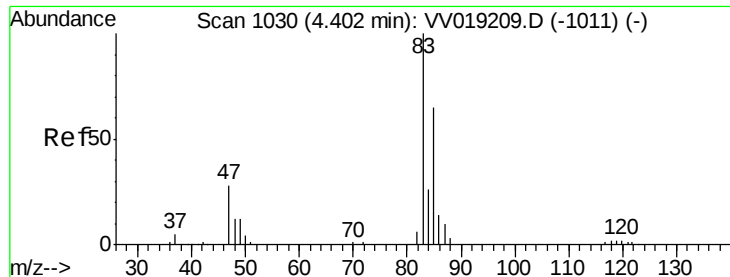
50000

0

4.20 4.30 4.40

Time-->

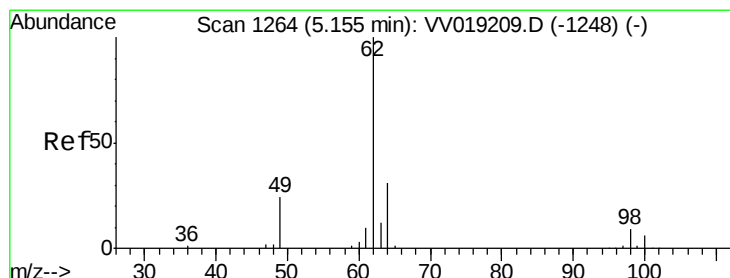
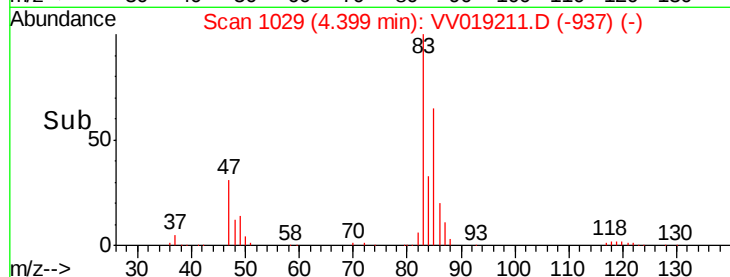
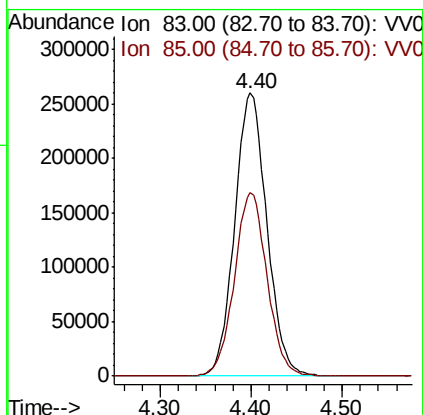
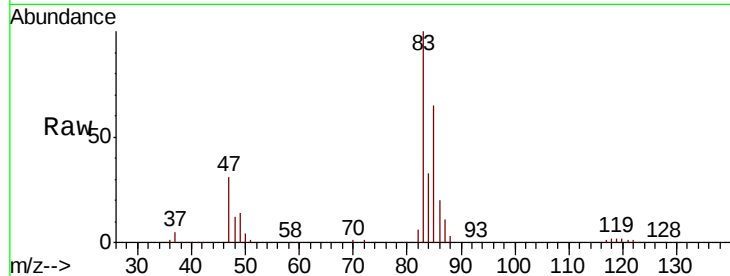




#25
Chloroform
Concen: 212.570 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

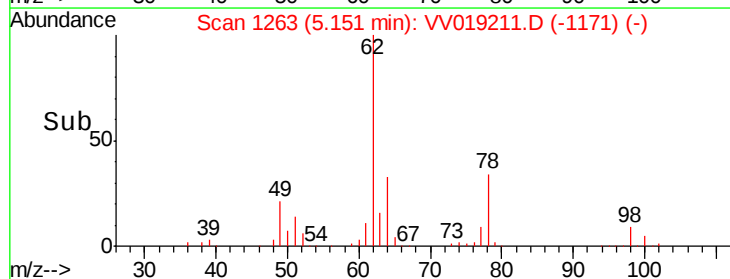
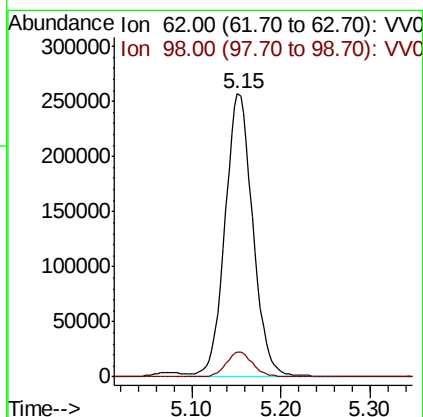
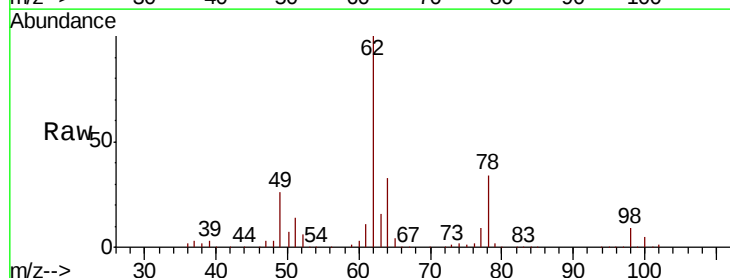
Instrument :
MSVOA_V
ClientSampleId :
VSTD200306

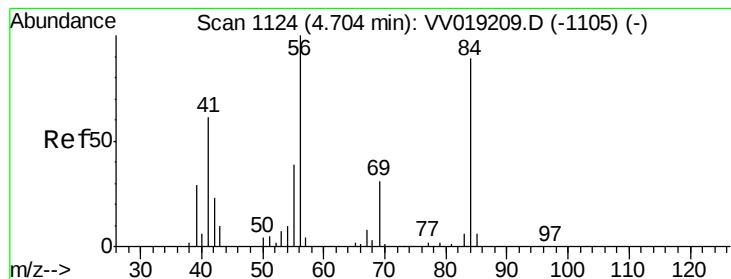
Tot Ion: 83 Resp: 639062
Ion Ratio Lower Upper
83 100
85 64.6 45.4 84.4



#27
1,2-Dichloroethane
Concen: 239.570 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

Tgt Ion: 62 Resp: 553157
Ion Ratio Lower Upper
62 100
98 8.7 6.8 10.2





#29

Cvclohexane

Concen: 198.410 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD200306

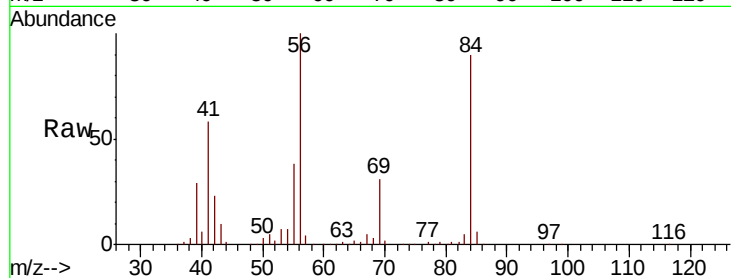
Tot Ion: 56 Resp: 461002

Ion Ratio Lower Upper

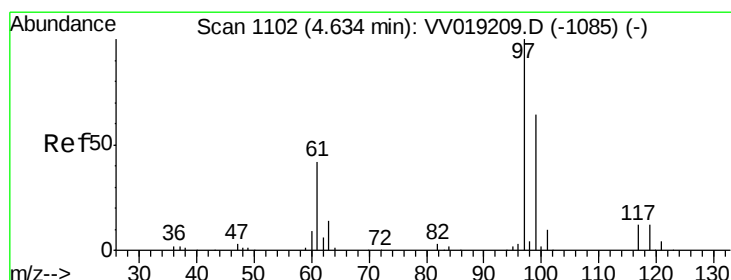
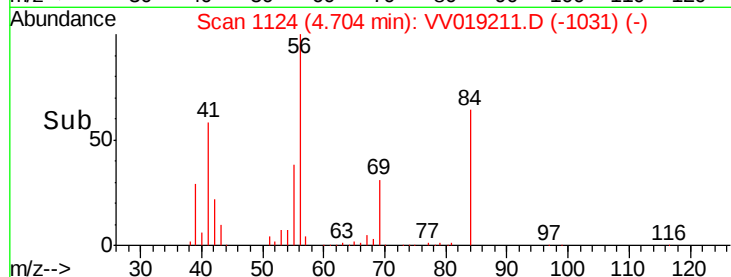
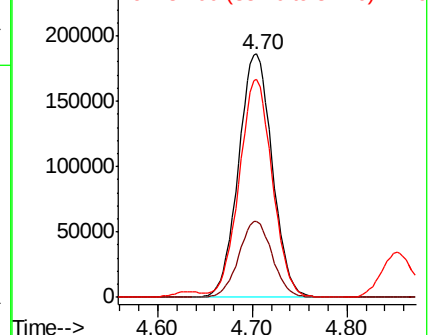
56 100

69 30.8 24.6 36.8

84 88.1 70.5 105.7



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



#30

1,1,1-Trichloroethane

Concen: 215.624 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

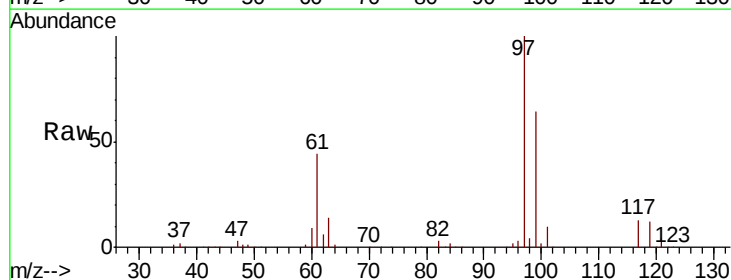
Tgt Ion: 97 Resp: 590607

Ion Ratio Lower Upper

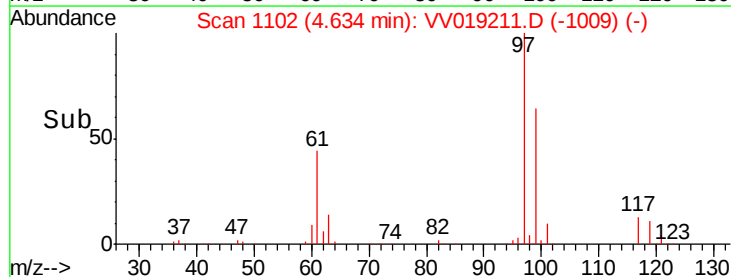
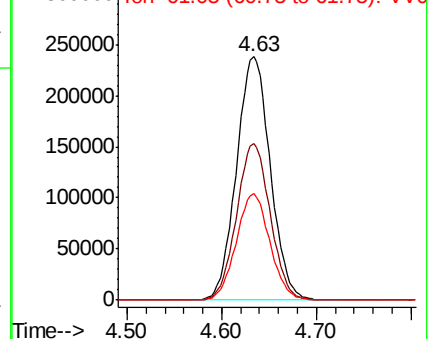
97 100

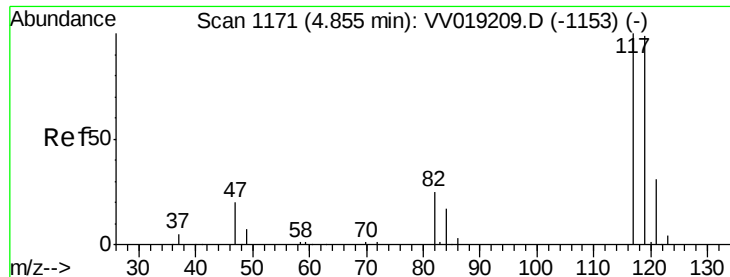
99 63.9 52.0 78.0

61 43.6 35.3 52.9



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

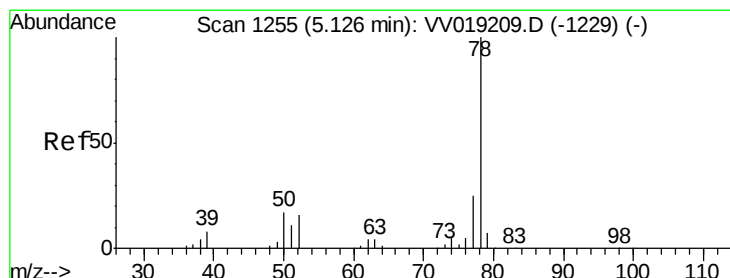
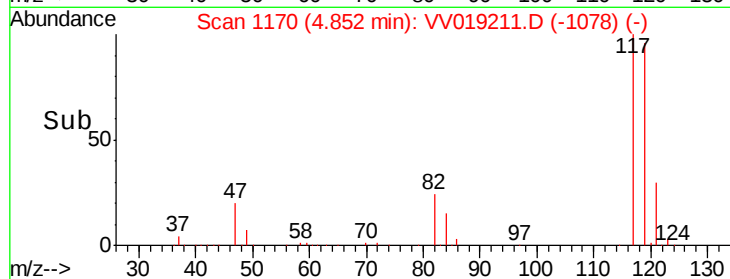
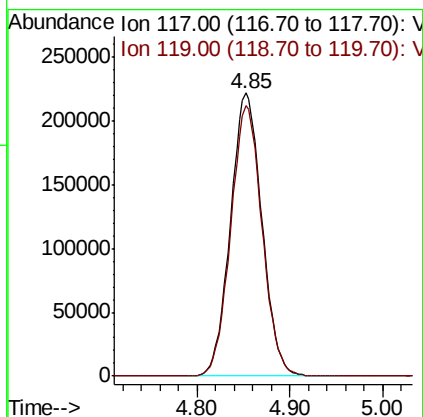
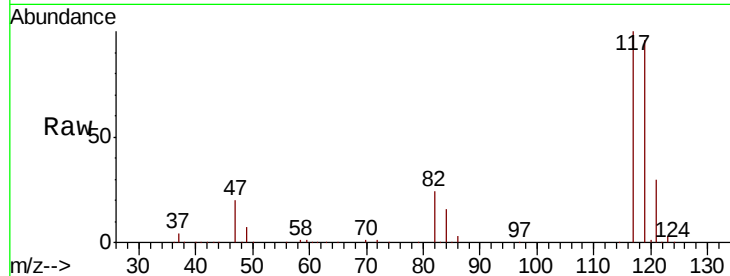




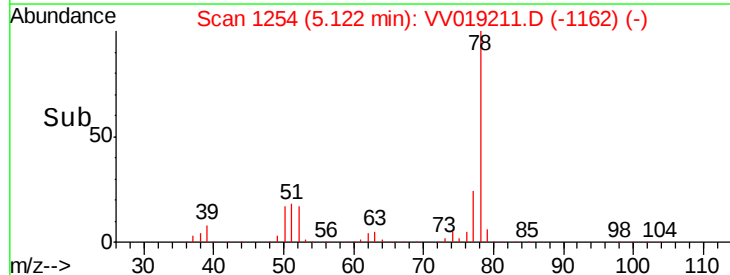
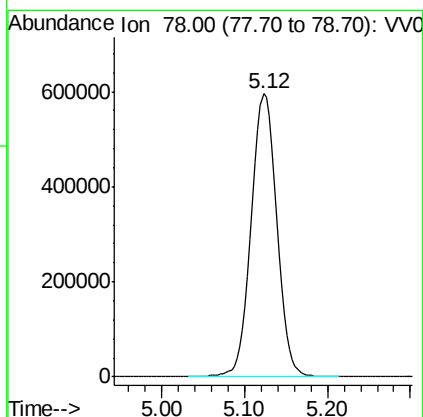
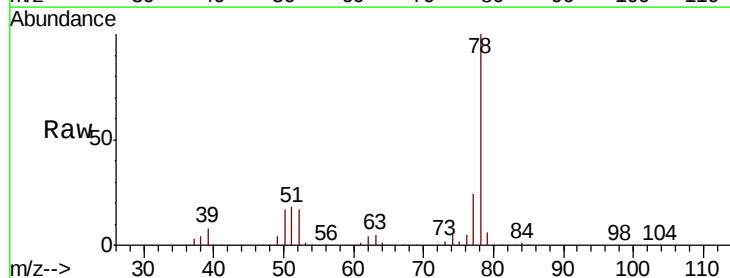
#31
Carbon tetrachloride
Concen: 213.826 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

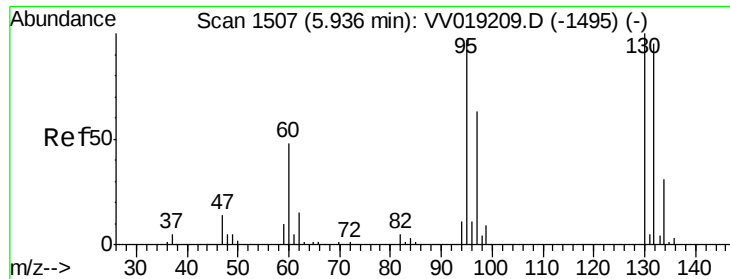
Instrument :
MSVOA_V
ClientSampleId :
VSTD200306

Tot Ion:117 Resp: 520201
Ion Ratio Lower Upper
117 100
119 95.3 77.8 116.6



#33
Benzene
Concen: 204.562 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46
Tgt Ion: 78 Resp: 1282027





#34

Trichloroethene

Concen: 197.339 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD200306

Tot Ion: 95 Resp: 337611

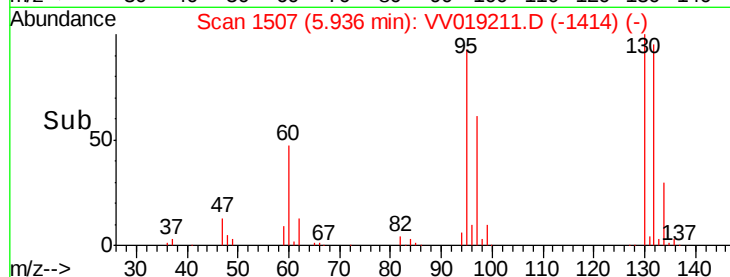
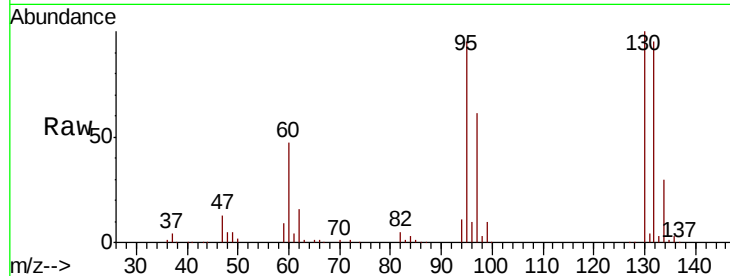
Ion Ratio Lower Upper

95 100

97 64.4 45.4 84.4

132 99.5 68.5 127.3

130 104.8 72.0 133.6

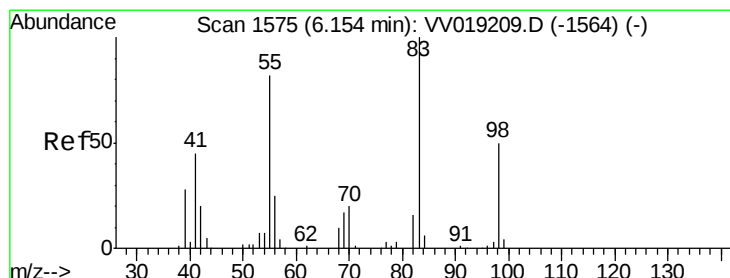
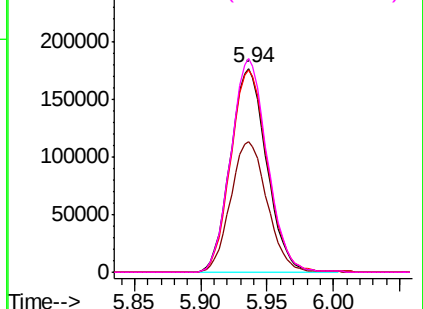


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 169.461 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

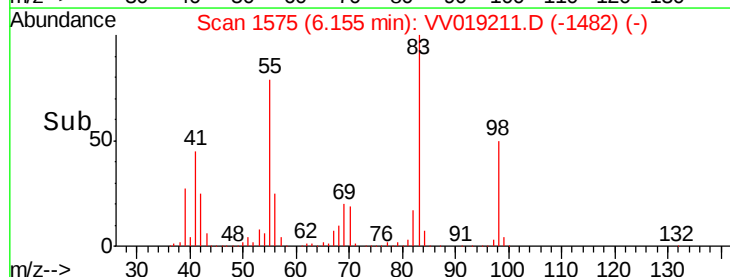
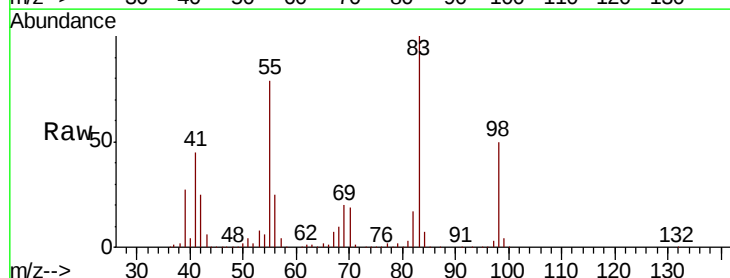
Tgt Ion: 83 Resp: 437046

Ion Ratio Lower Upper

83 100

55 78.1 62.8 94.2

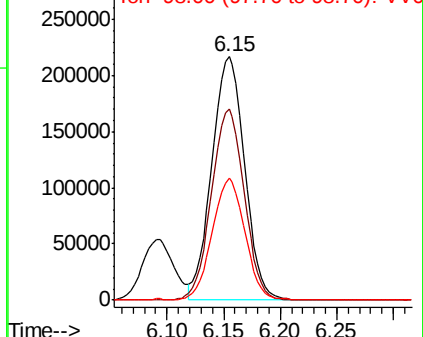
98 50.0 38.6 58.0

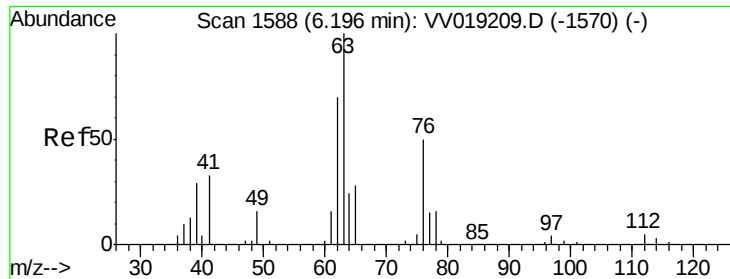


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

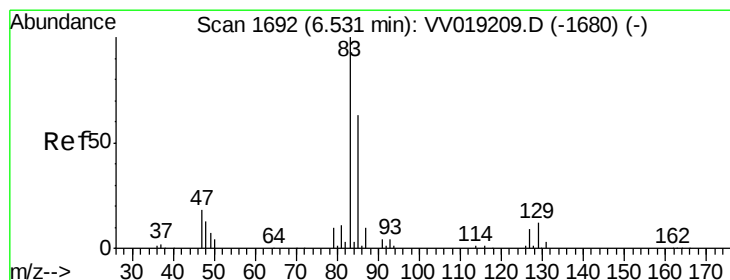
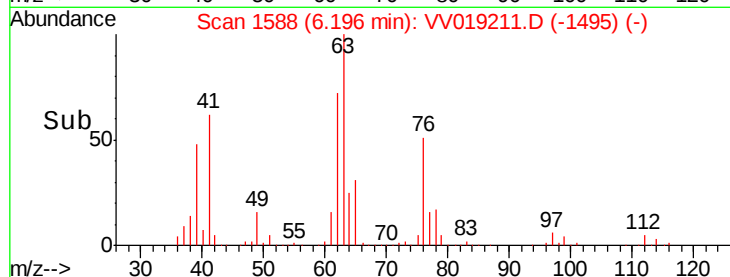
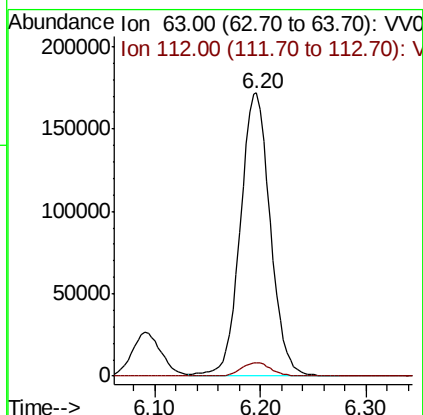
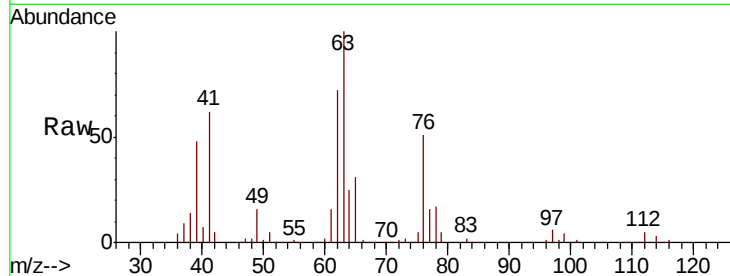




#37
 1,2-Dichloropropane
 Concen: 218.668 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

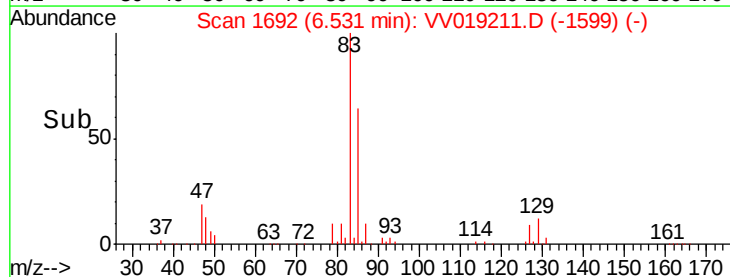
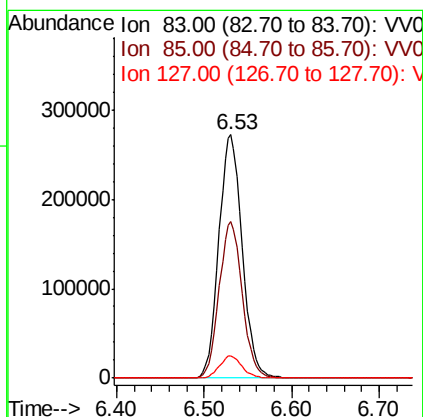
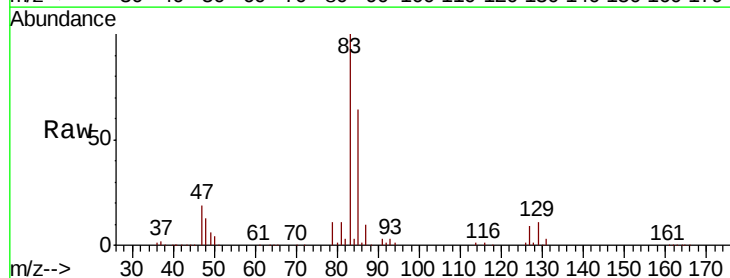
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200306

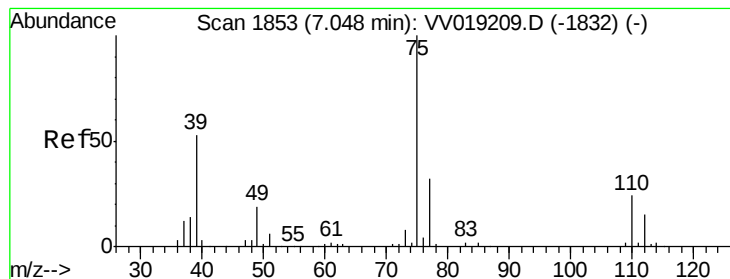
Tot Ion: 63 Resp: 337499
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.2 6.2



#38
 Bromodichloromethane
 Concen: 211.196 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

Tgt Ion: 83 Resp: 504221
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.0 81.8
 127 9.2 7.3 10.9



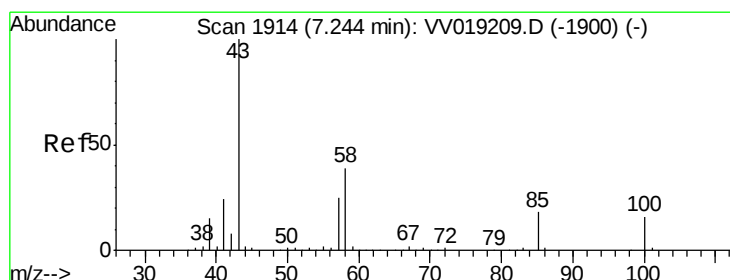
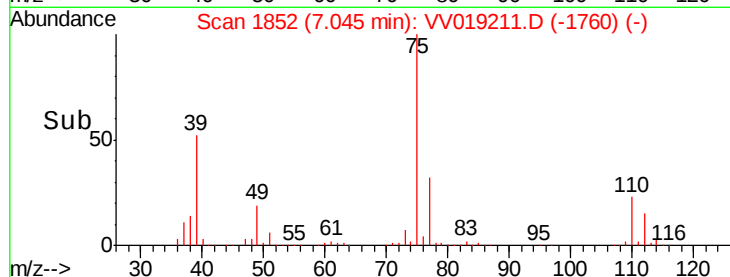
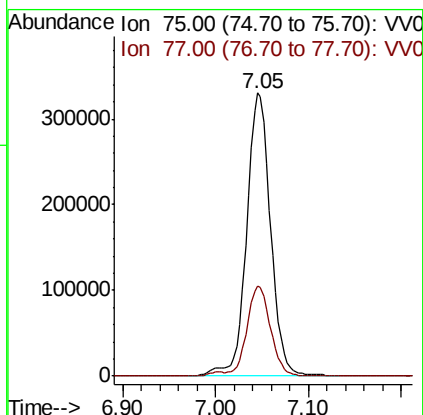
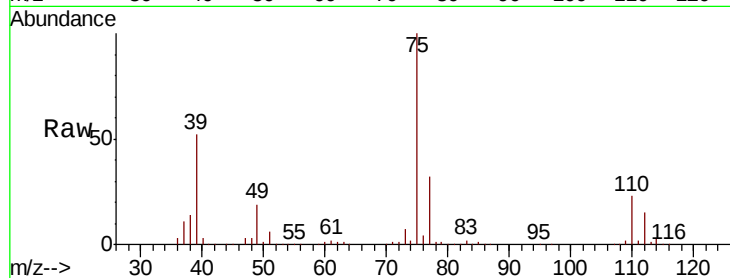


#39

cis-1,3-Dichloropropene
 Concen: 219.912 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200306

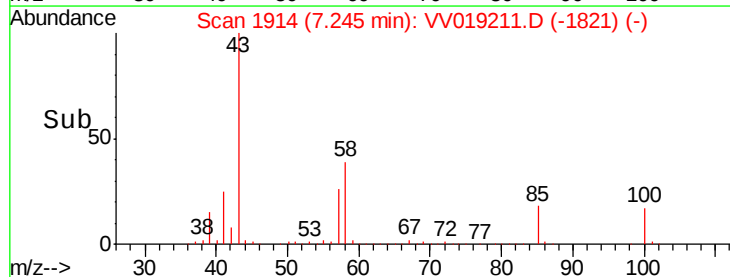
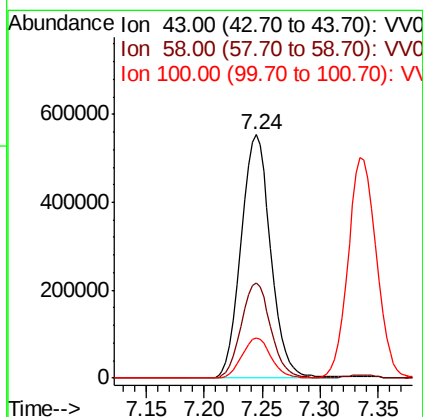
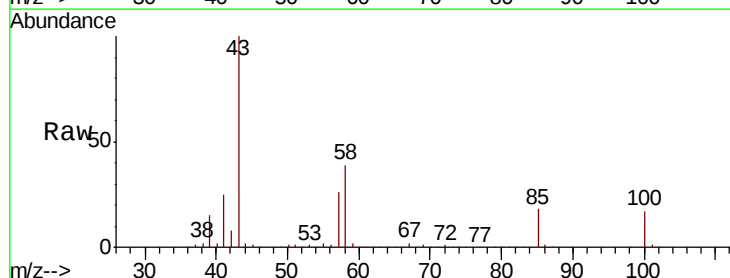
Tot Ion: 75 Resp: 591525
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.2 41.2

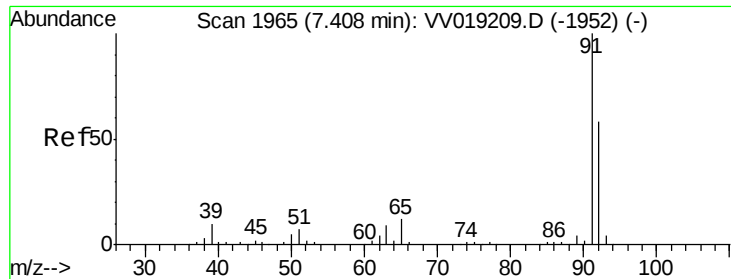


#40

4-Methyl-2-pentanone
 Concen: 494.250 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

Tgt Ion: 43 Resp: 981103
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.5 45.7
 100 16.3 12.7 19.1





#42

Toluene

Concen: 206.082 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

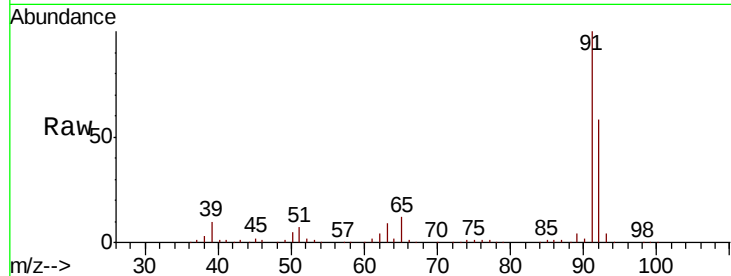
Instrument :
MSVOA_V
ClientSampleId :
VSTD200306

Tot Ion: 91 Resp: 1418540

Ion Ratio Lower Upper

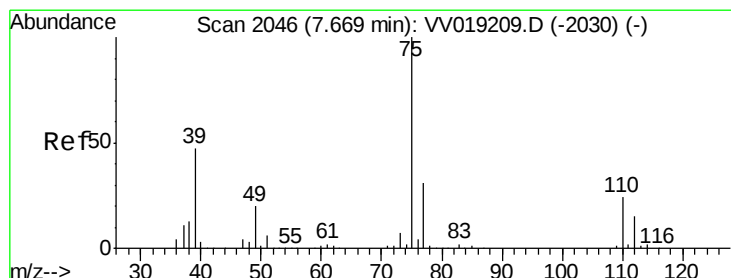
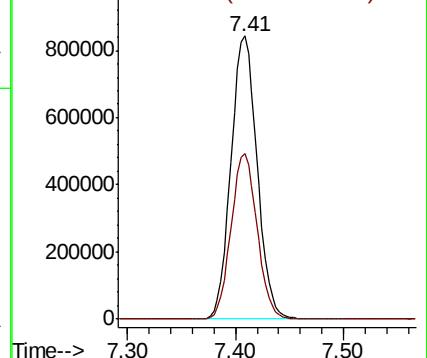
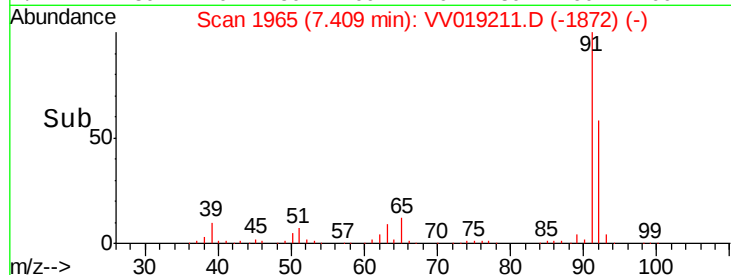
91 100

92 58.4 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV019211.D (-1872) (-)

Ion 92.00 (91.70 to 92.70): VV019211.D (-1872) (-)



#44

trans-1,3-Dichloropropene

Concen: 236.840 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019211.D

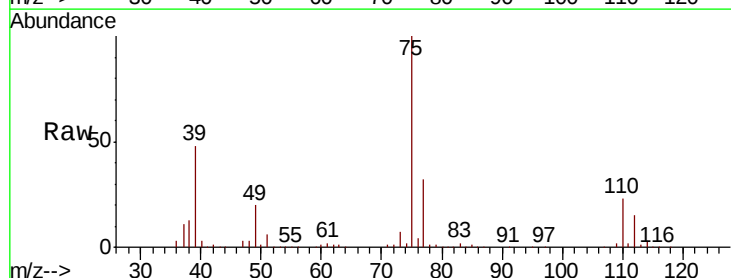
Acq: 02 Nov 2020 19:46

Tgt Ion: 75 Resp: 607425

Ion Ratio Lower Upper

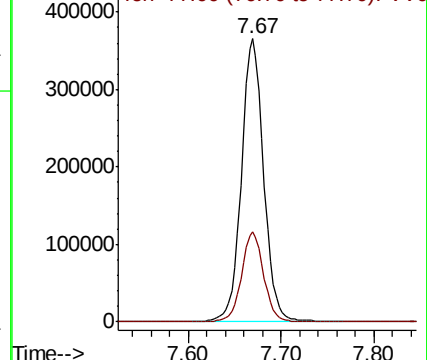
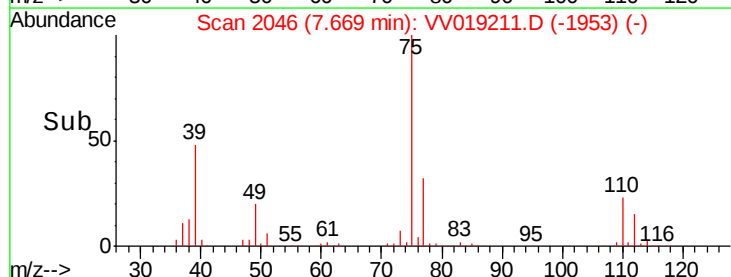
75 100

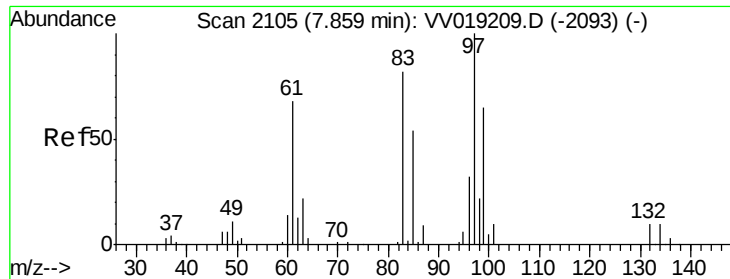
77 31.7 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV019211.D (-1953) (-)

Ion 77.00 (76.70 to 77.70): VV019211.D (-1953) (-)

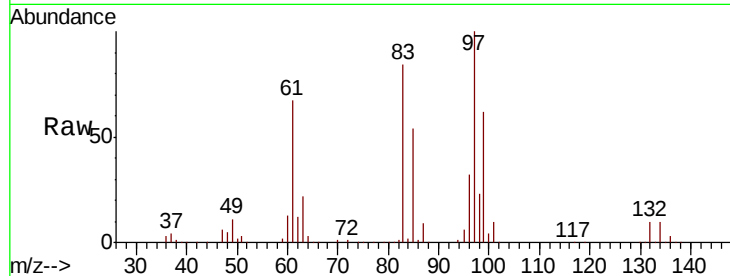




#45
1,1,2-Trichloroethane
Concen: 205.179 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

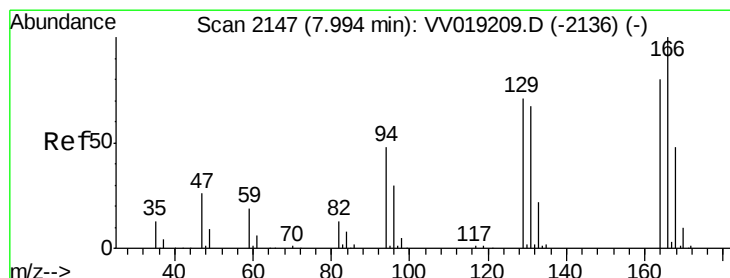
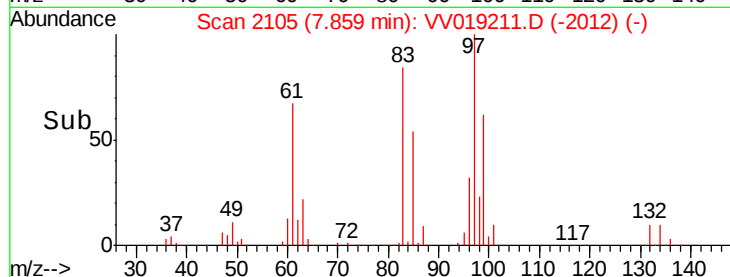
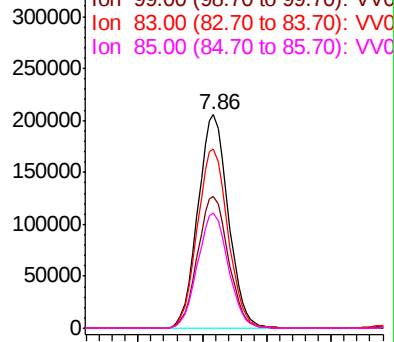
Instrument :
MSVOA_V
ClientSampleId :
VSTD200306

Tot Ion:	97	Resp:	336029
Ion	Ratio	Lower	Upper
97	100		
99	61.8	45.1	83.9
83	83.9	57.6	107.0
85	53.9	37.8	70.2



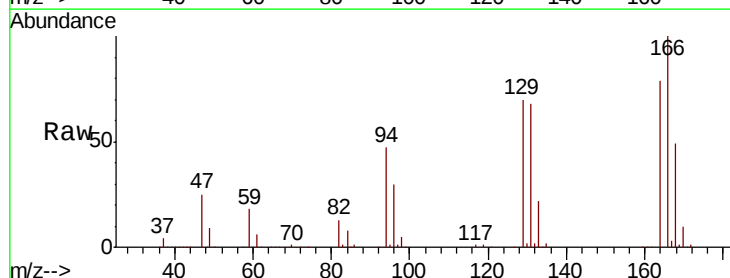
Abundance

Ion 97.00 (96.70 to 97.70): VV019211.D (-2054) (-)



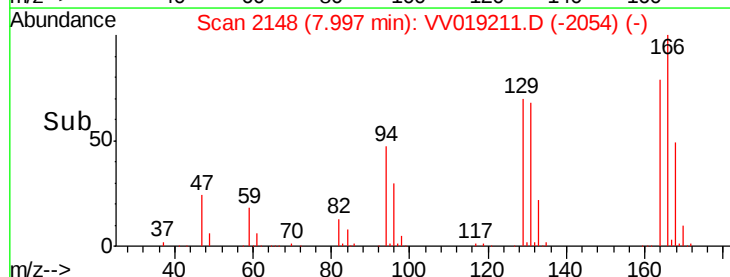
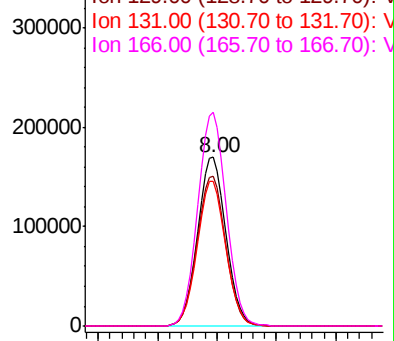
#46
Tetrachloroethene
Concen: 203.348 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

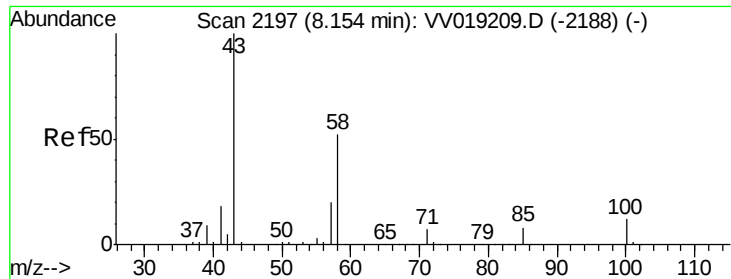
Tgt Ion:	164	Resp:	279878
Ion	Ratio	Lower	Upper
164	100		
129	89.0	62.6	116.3
131	85.7	59.0	109.6
166	126.6	88.0	163.4



Abundance

Ion 164.00 (163.70 to 164.70): VV019211.D (-2054) (-)

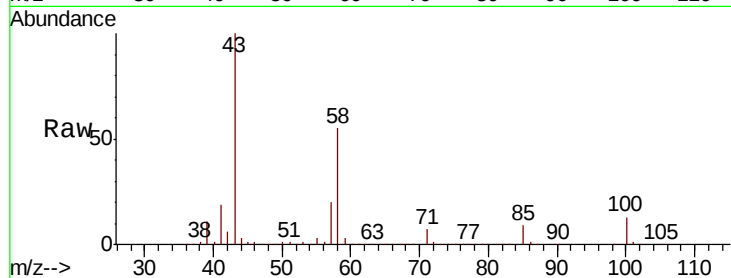




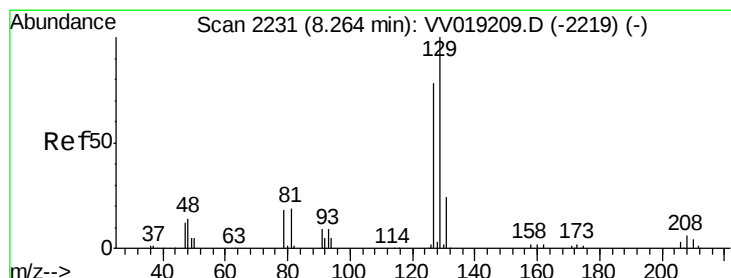
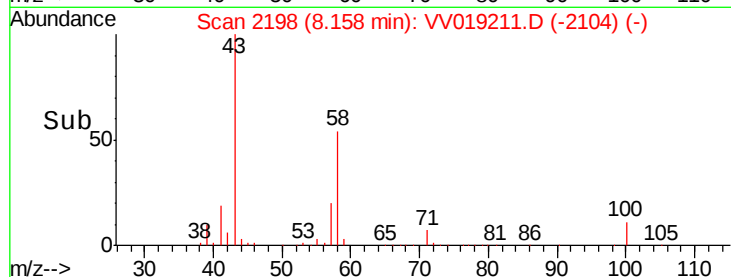
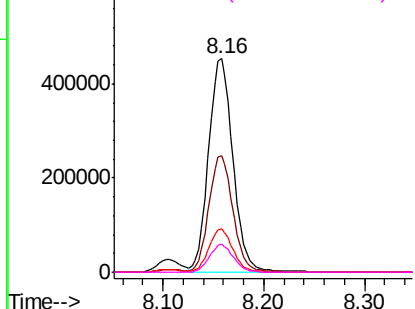
#48
2-Hexanone
Concen: 492.456 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD200306

Tot Ion: 43 Resp: 755577
Ion Ratio Lower Upper
43 100
58 54.1 42.6 63.8
57 19.8 15.8 23.8
100 12.8 10.4 15.6

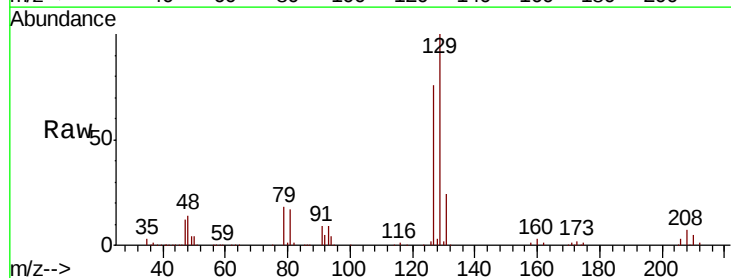


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

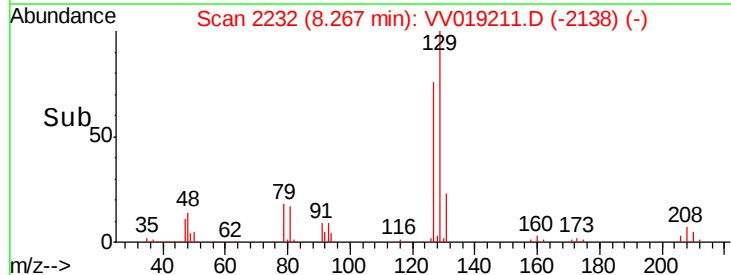
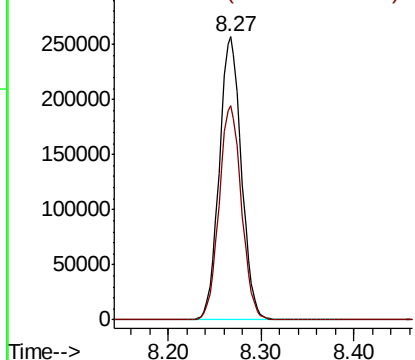


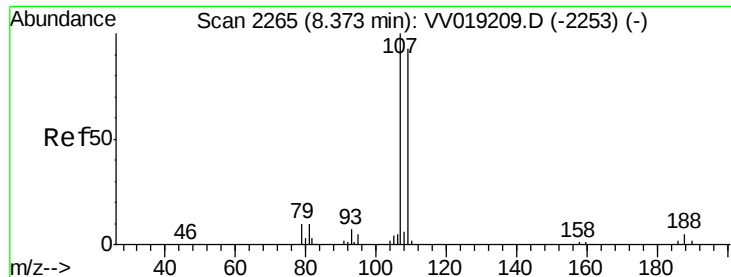
#49
Dibromochloromethane
Concen: 214.755 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

Tgt Ion: 129 Resp: 424820
Ion Ratio Lower Upper
129 100
127 75.8 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

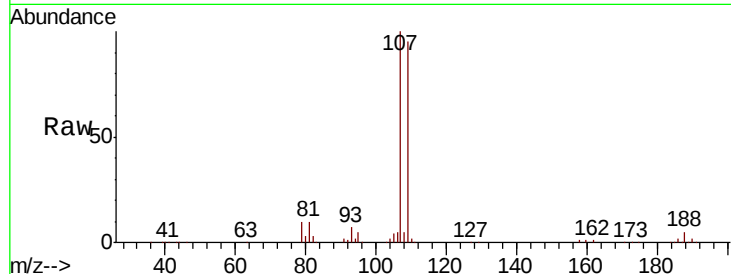




#50
 1,2-Dibromoethane
 Concen: 199.853 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200306

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	64.8	120.4
188	4.7	3.8	5.8

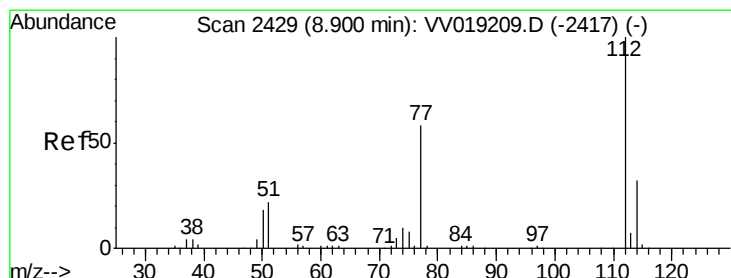
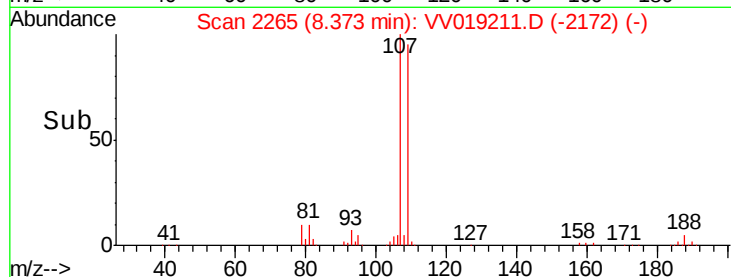
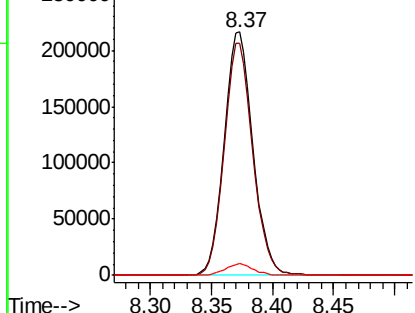


Abundance

Ion 107.00 (106.70 to 107.70): V

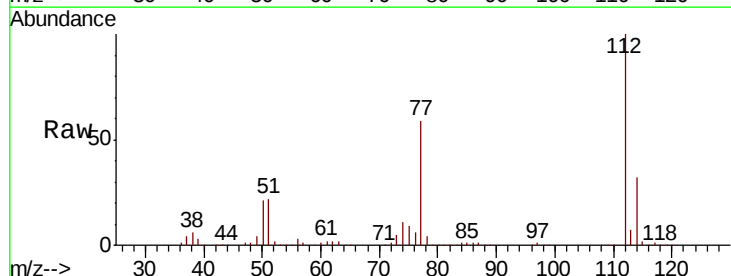
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 199.417 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.7	42.1
77	59.1	47.3	70.9

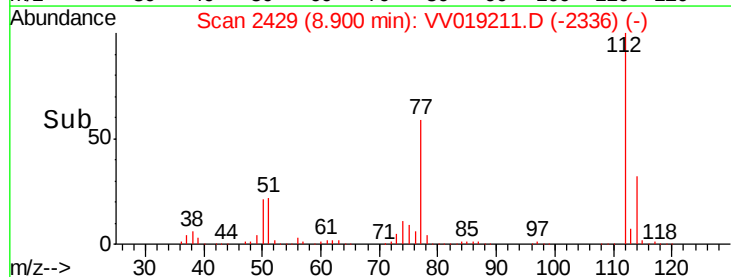
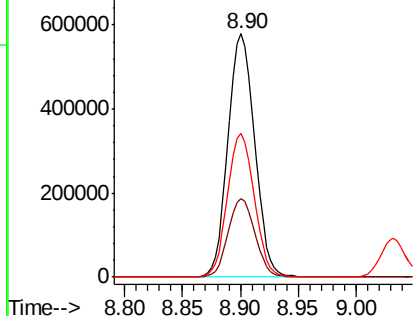


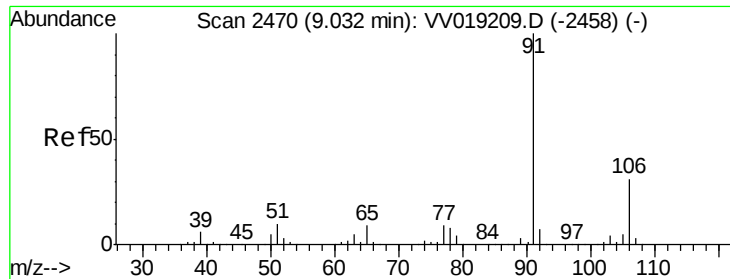
Abundance

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: 201.528 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

Instrument :

MSVOA_V

ClientSampleId :

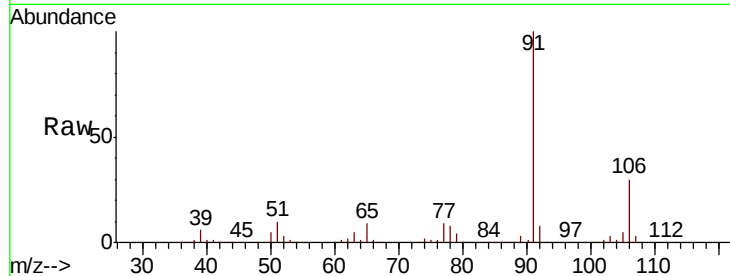
VSTD200306

Tot Ion: 91 Resp: 1585994

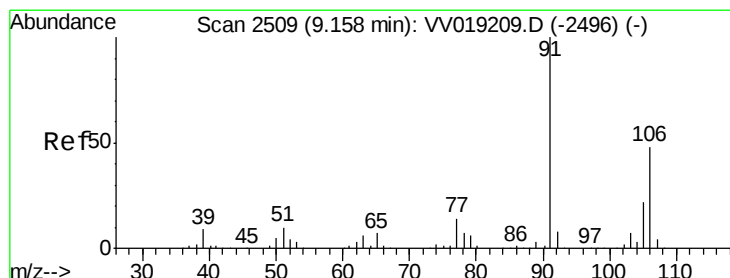
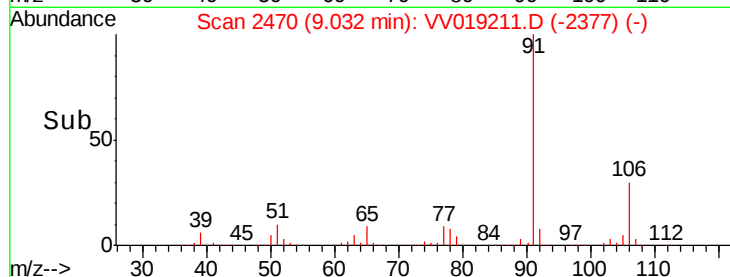
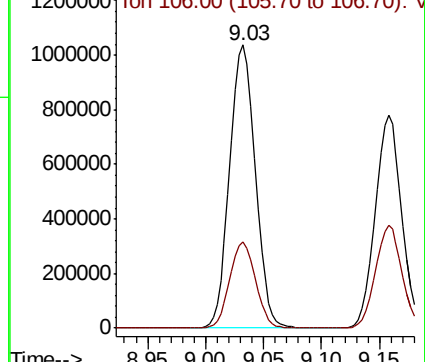
Ion Ratio Lower Upper

91 100

106 30.3 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019211.D (-2377) (-)



#53

m,p-Xylene

Concen: 197.201 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019211.D

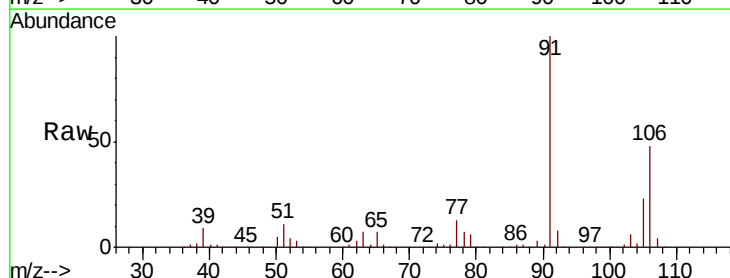
Acq: 02 Nov 2020 19:46

Tgt Ion: 106 Resp: 599306

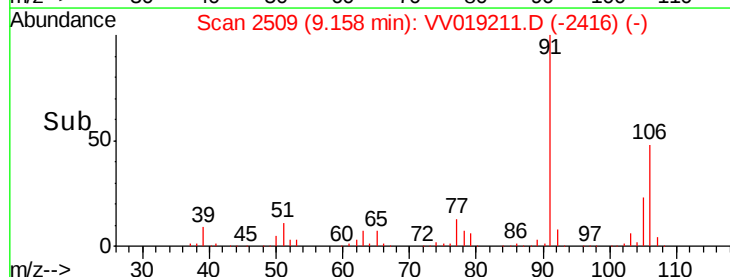
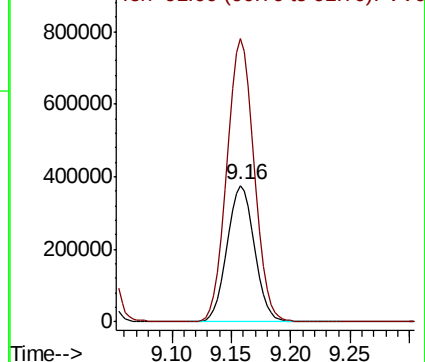
Ion Ratio Lower Upper

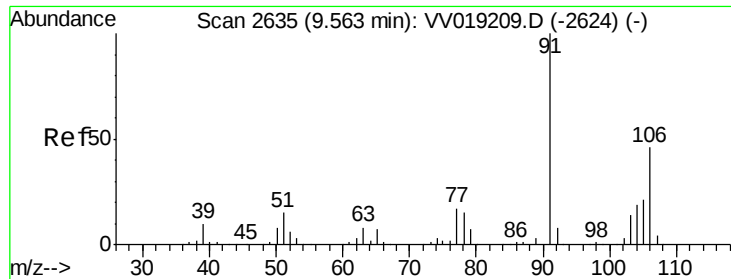
106 100

91 207.8 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): VV019211.D (-2416) (-)

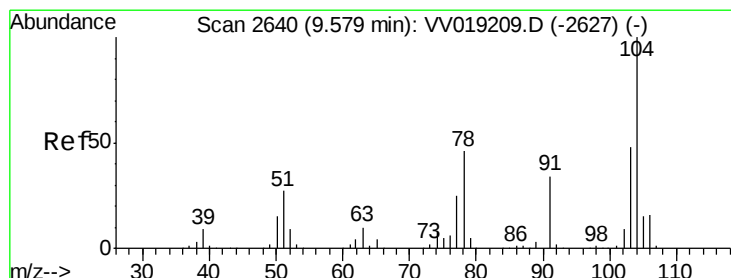
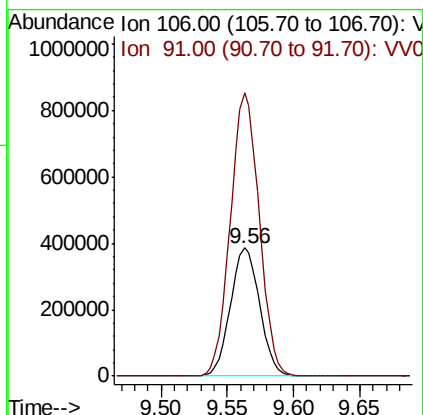
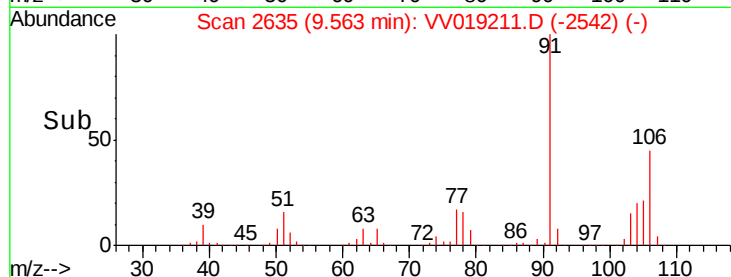
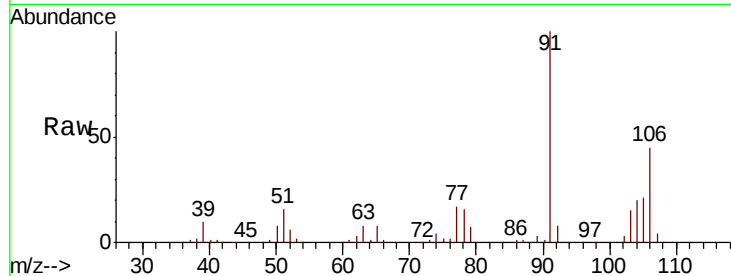




#54
o-Xylene
Concen: 201.346 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

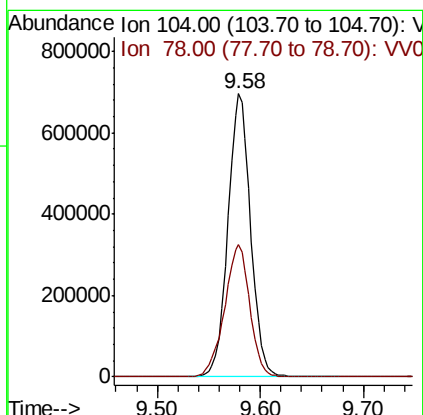
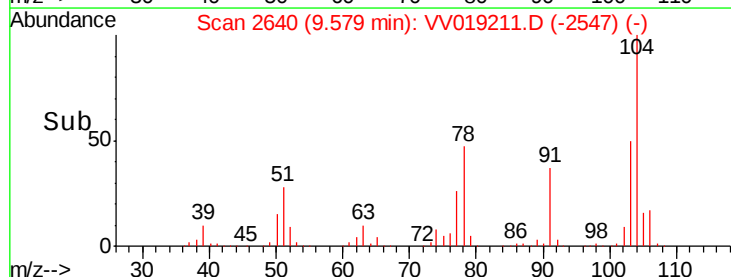
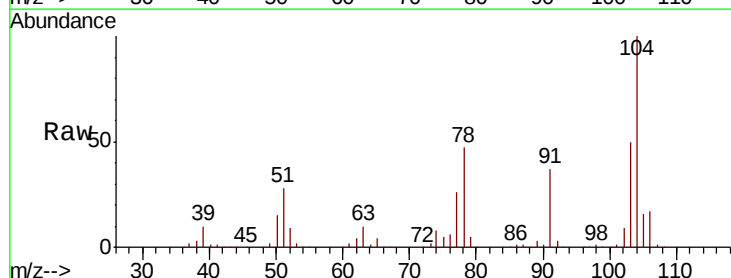
Instrument :
MSVOA_V
ClientSampleId :
VSTD200306

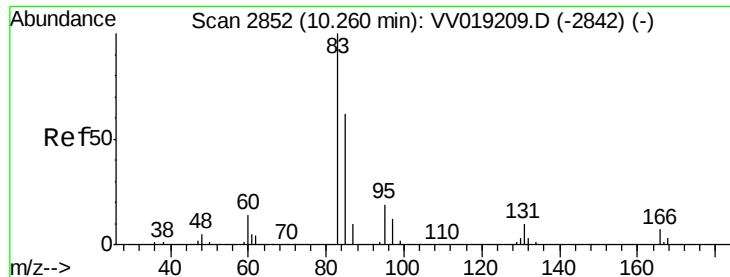
Tot Ion:106 Resp: 589523
Ion Ratio Lower Upper
106 100
91 221.1 151.6 281.6



#55
Styrene
Concen: 211.558 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

Tgt Ion:104 Resp: 1064246
Ion Ratio Lower Upper
104 100
78 46.8 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 201.599 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD200306

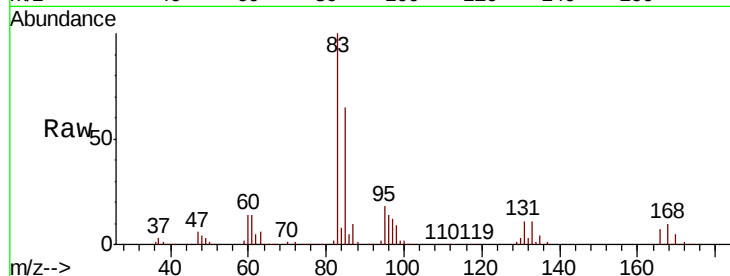
Tot Ion: 83 Resp: 520091

Ion Ratio Lower Upper

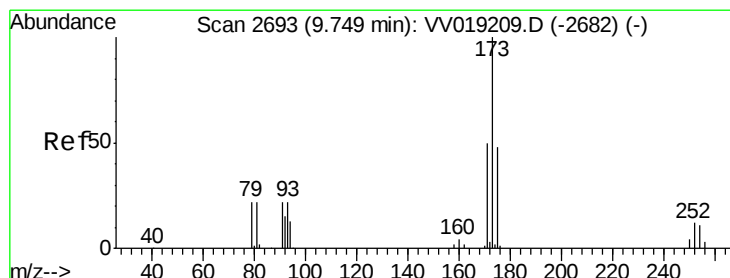
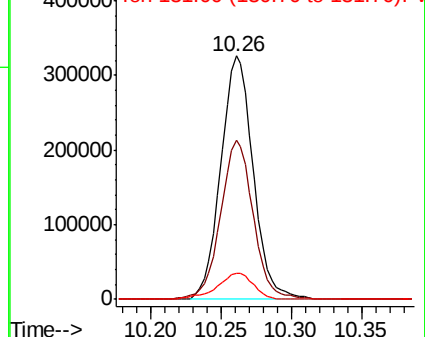
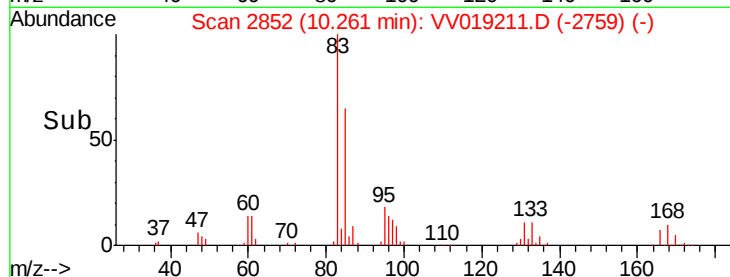
83 100

85 65.1 45.0 83.6

131 10.9 8.9 13.3



Abundance Ion 83.00 (82.70 to 83.70): VV019211.D (-2759) (-)



#59

Bromoform

Concen: 216.471 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

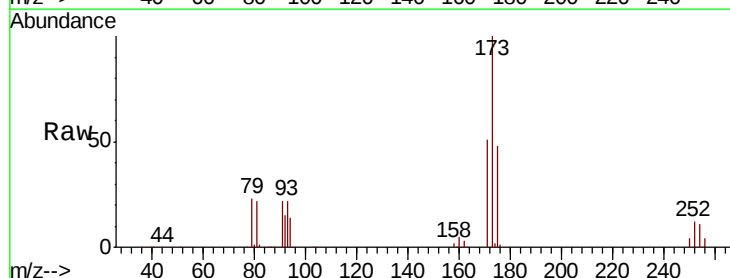
Tgt Ion: 173 Resp: 334874

Ion Ratio Lower Upper

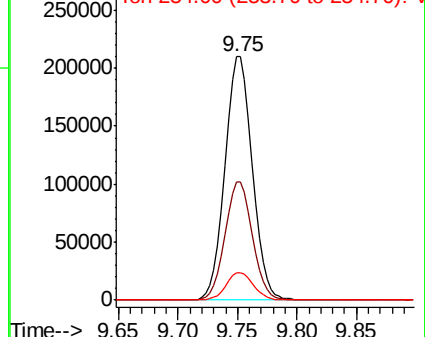
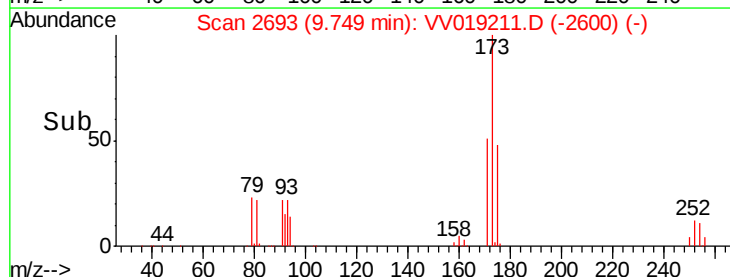
173 100

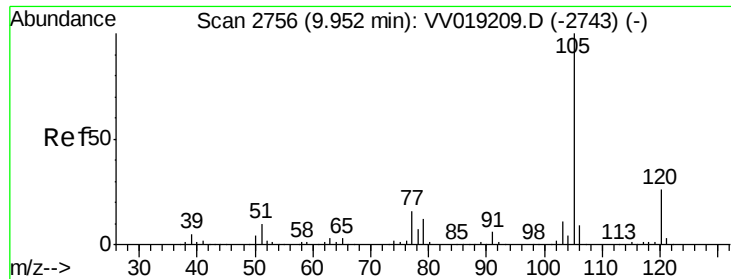
175 48.5 38.4 57.6

254 11.4 9.0 13.6



Abundance Ion 173.00 (172.70 to 173.70): VV019211.D (-2600) (-)





#60

Isopropylbenzene

Concen: 184.072 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

Instrument :

MSVOA_V

ClientSampled :

VSTD200306

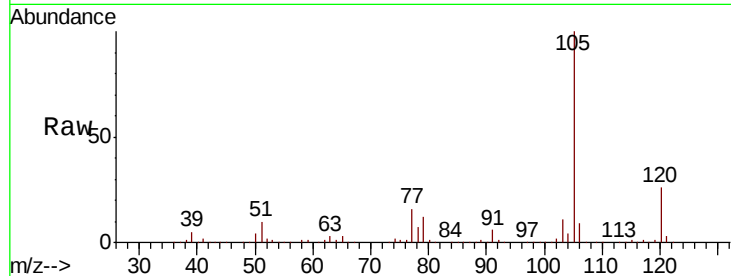
Tot Ion:105 Resp: 1553698

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

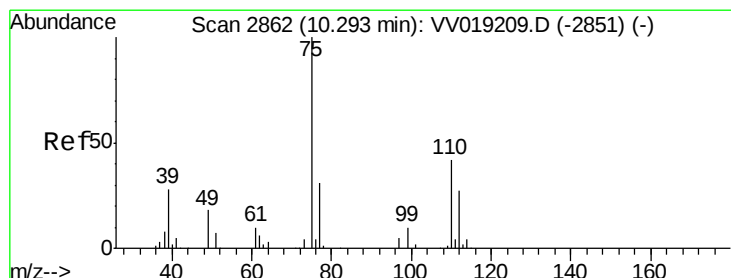
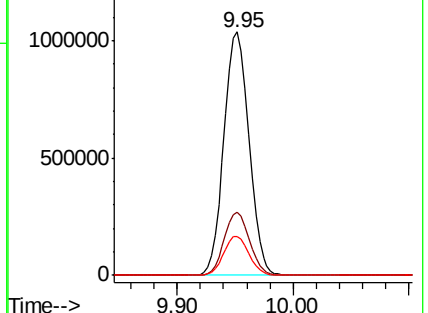
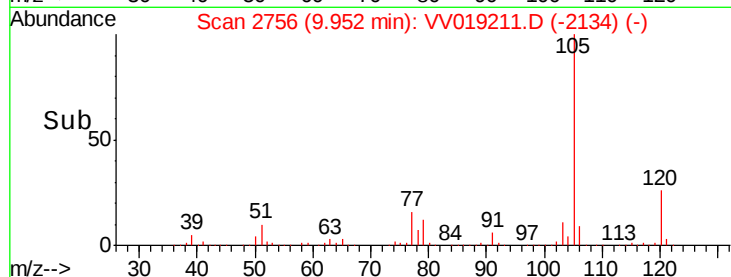
77 16.1 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 192.739 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019211.D

Acq: 02 Nov 2020 19:46

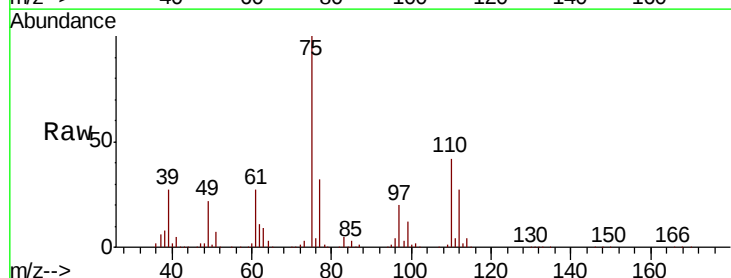
Tgt Ion: 75 Resp: 433266

Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

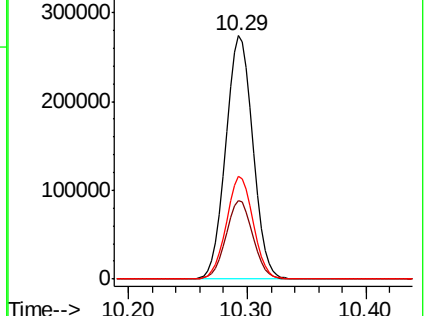
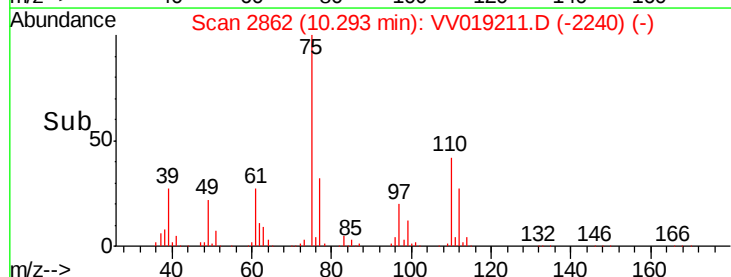
110 41.7 33.4 50.2

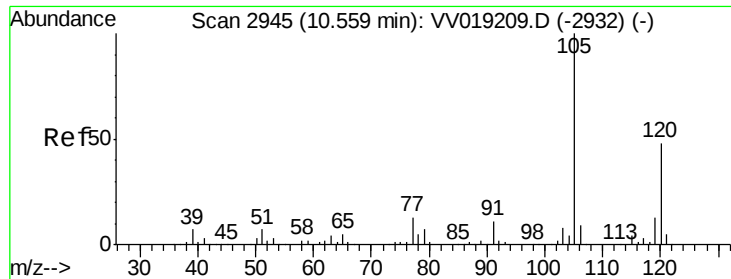


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

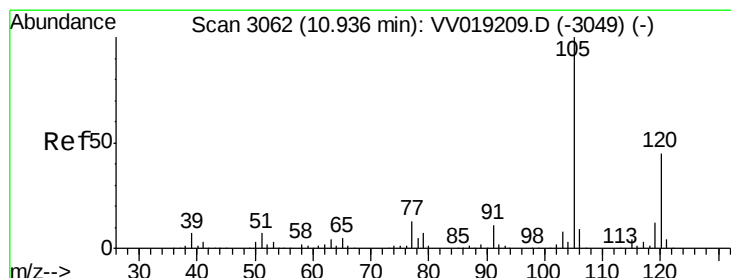
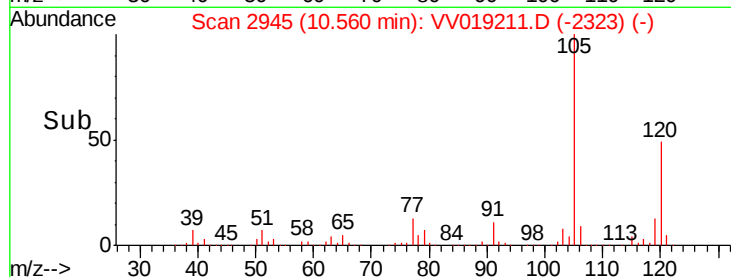
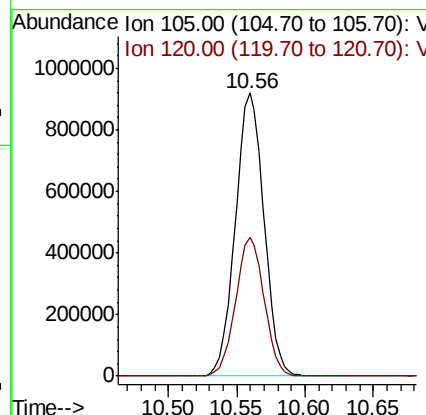
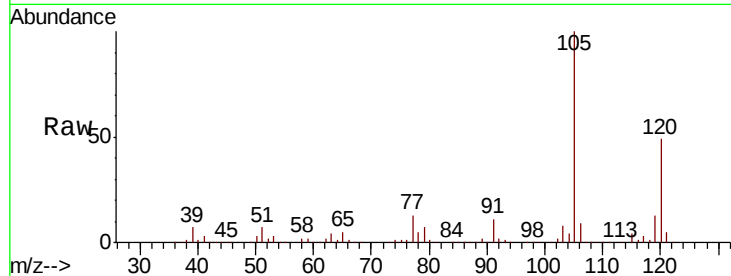




#62
 1,3,5-Trimethylbenzene
 Concen: 185.543 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

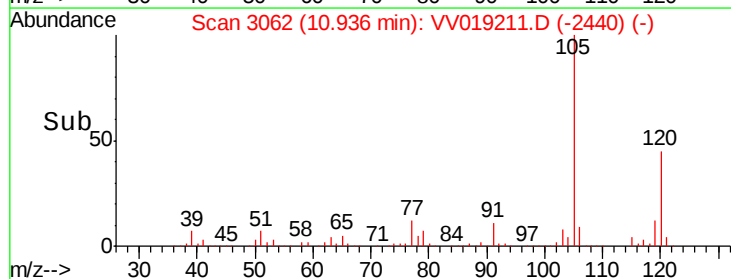
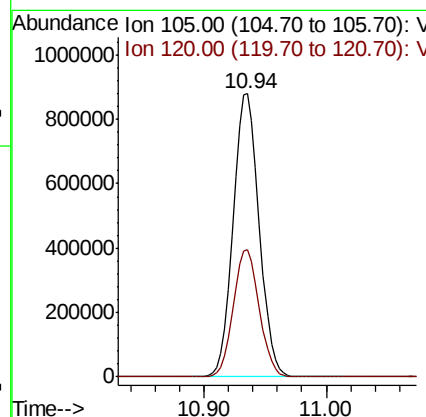
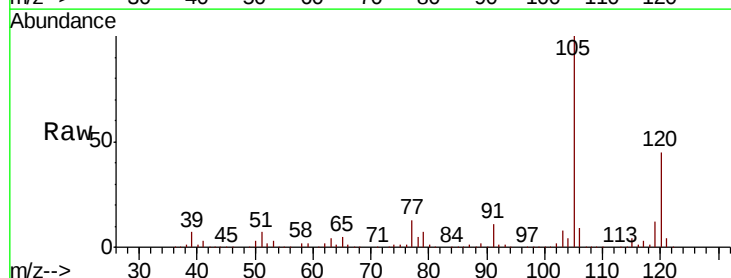
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200306

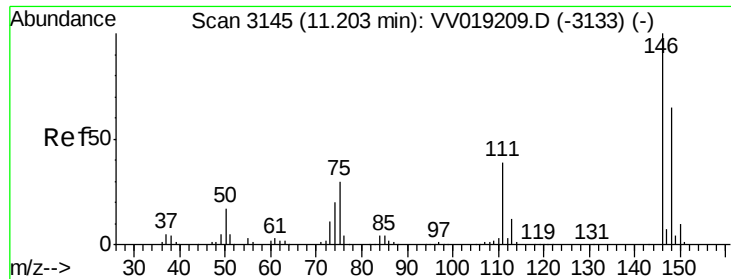
Tot Ion:105 Resp: 1336817
 Ion Ratio Lower Upper
 105 100
 120 48.8 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 185.924 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

Tgt Ion:105 Resp: 1307966
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.7 53.5

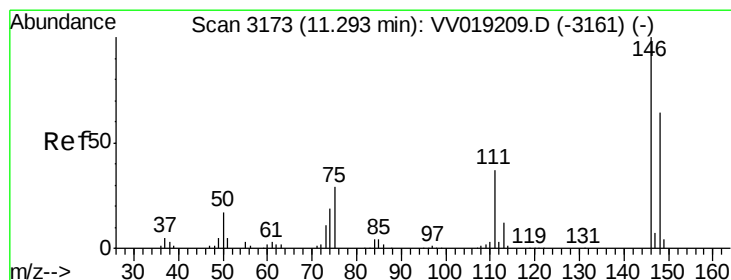
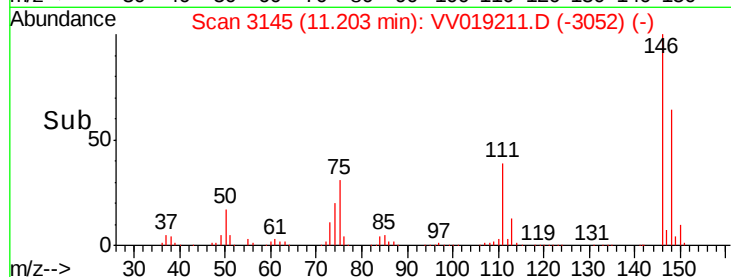
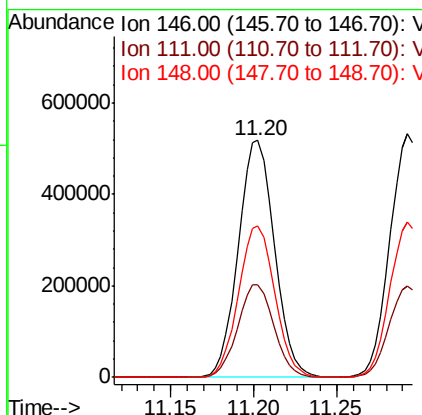
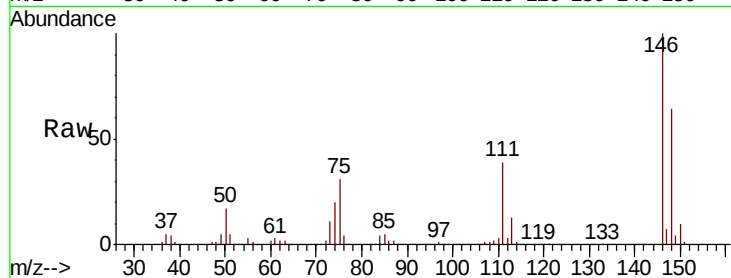




#64
 1,3-Dichlorobenzene
 Concen: 192.635 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

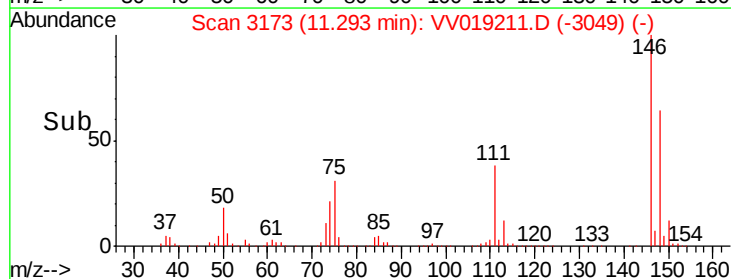
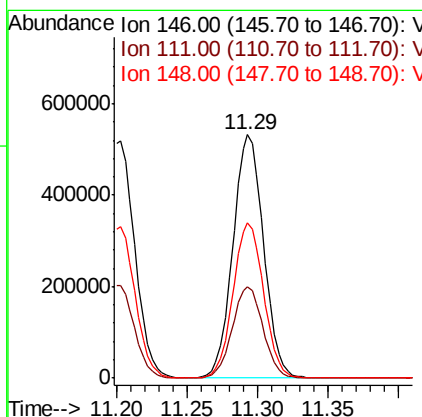
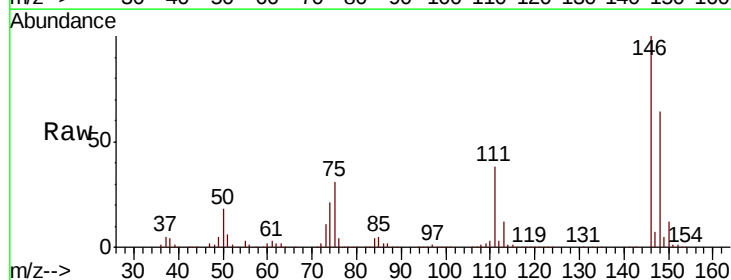
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200306

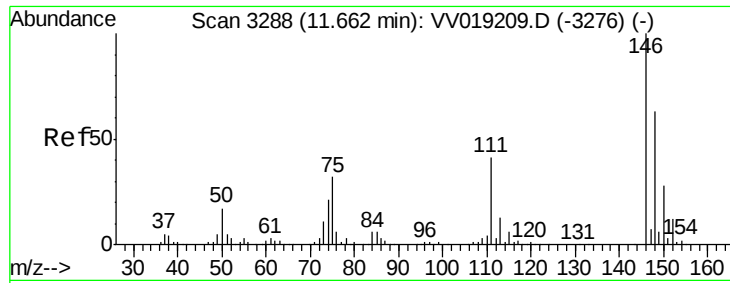
Tot Ion:146 Resp: 791194
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.3 50.7
 148 64.0 45.2 84.0



#65
 1,4-Dichlorobenzene
 Concen: 191.252 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

Tgt Ion:146 Resp: 808232
 Ion Ratio Lower Upper
 146 100
 111 37.7 25.9 48.1
 148 63.7 44.9 83.5

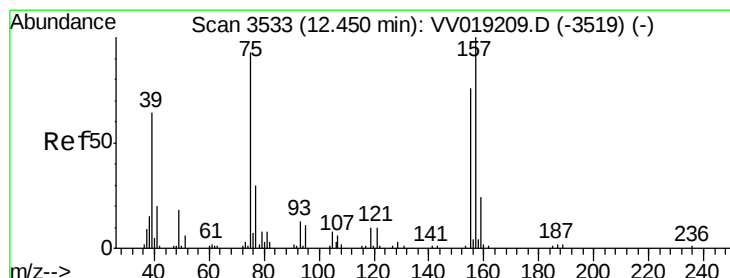
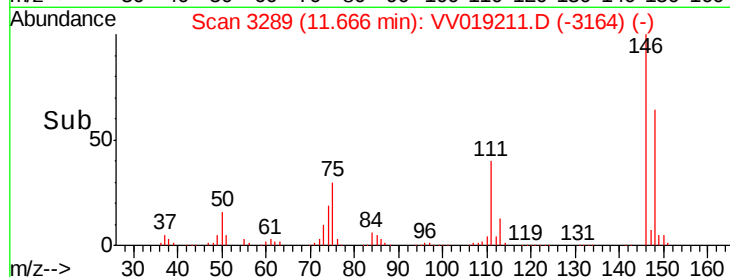
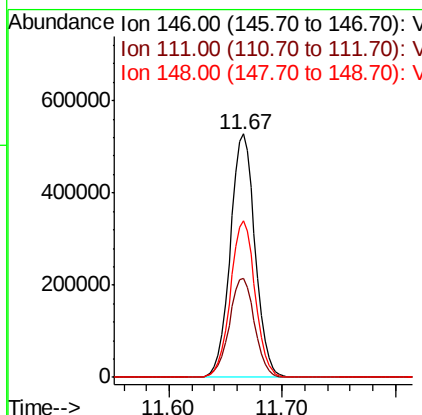
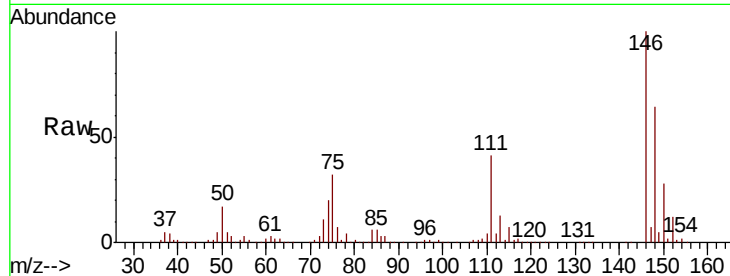




#67
 1,2-Dichlorobenzene
 Concen: 197.150 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

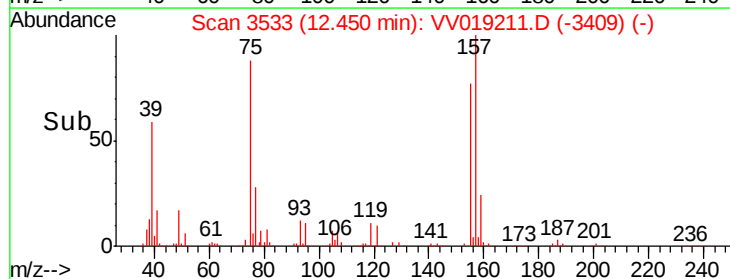
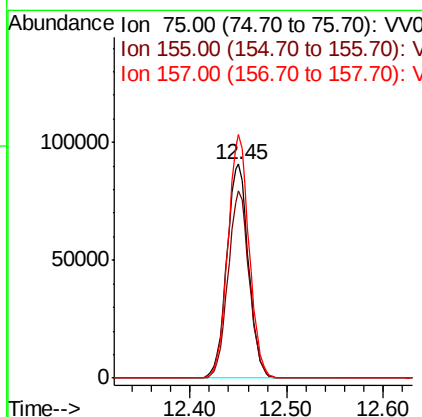
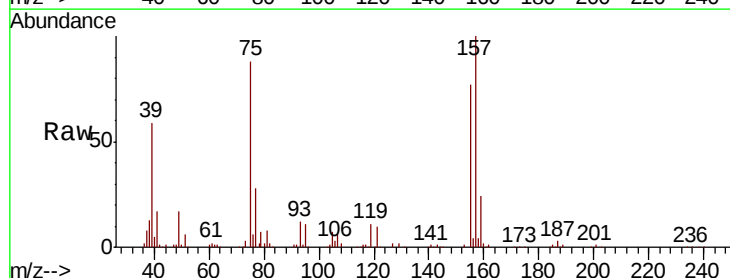
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200306

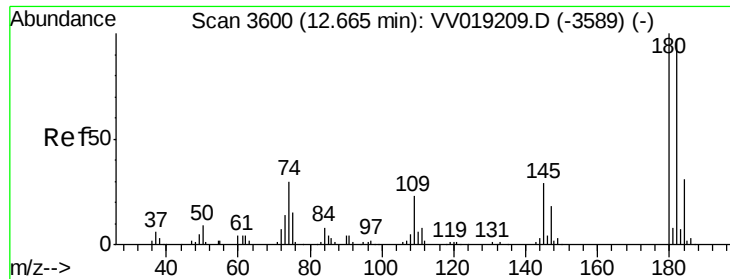
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.6	48.8
148	64.2	50.1	75.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 208.196 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	65.8	98.6
157	113.8	86.3	129.5

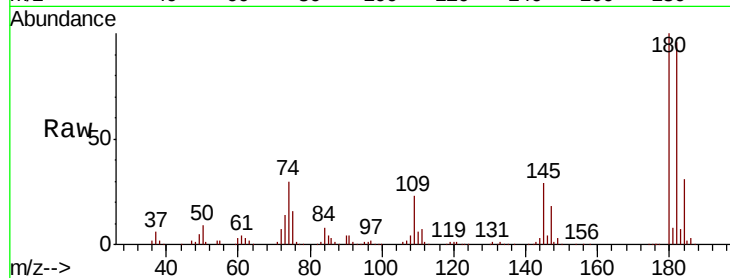




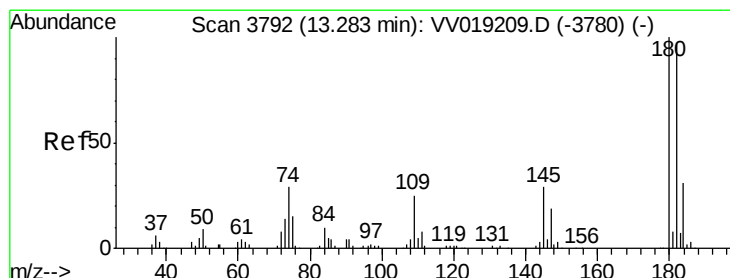
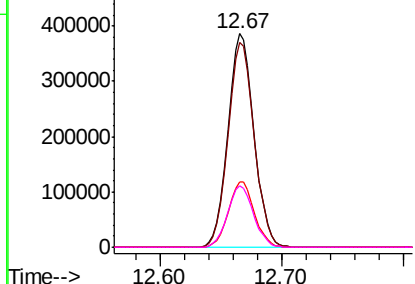
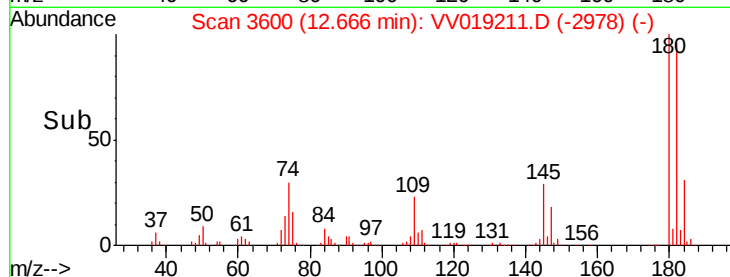
#69
 1,3,5-Trichlorobenzene
 Concen: 194.444 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200306

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.7	116.5
184	30.5	24.9	37.3
145	28.8	23.4	35.0

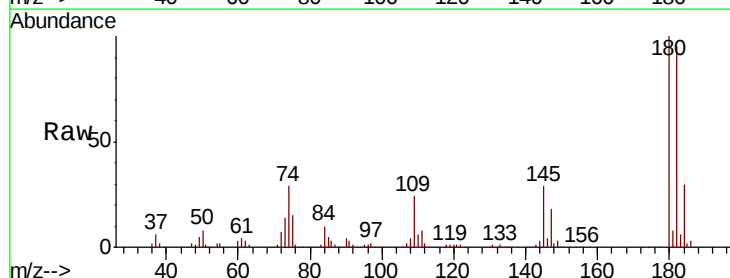


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

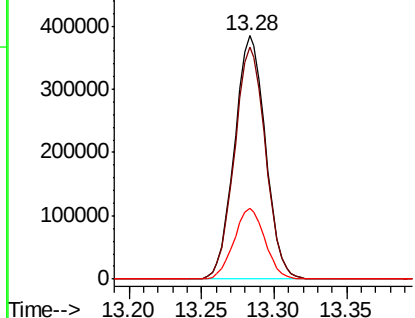
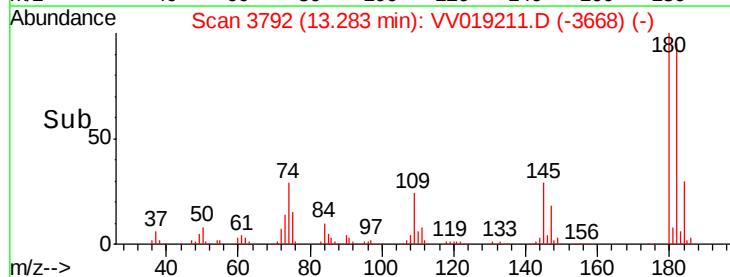


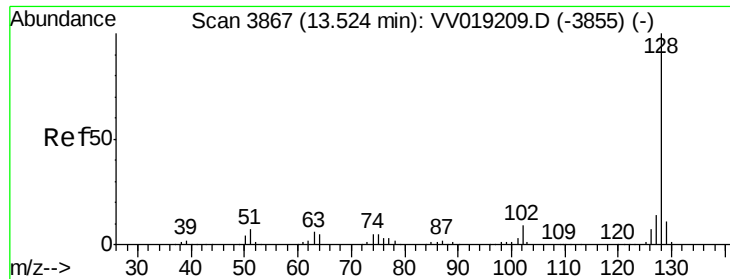
#70
 1,2,4-trichlorobenzene
 Concen: 211.872 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019211.D
 Acq: 02 Nov 2020 19:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	114.8
145	29.0	23.2	34.8



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

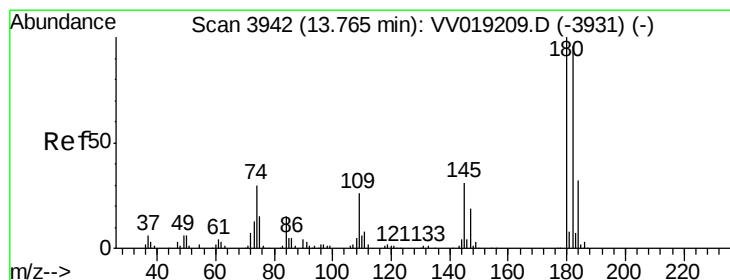
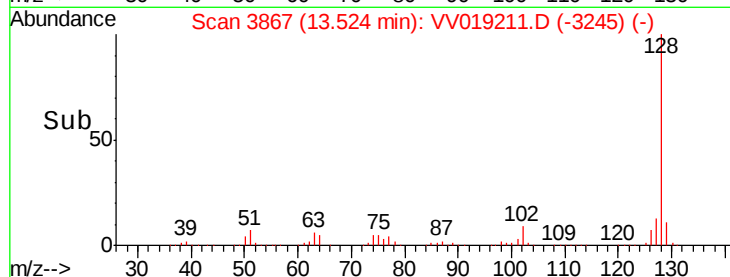
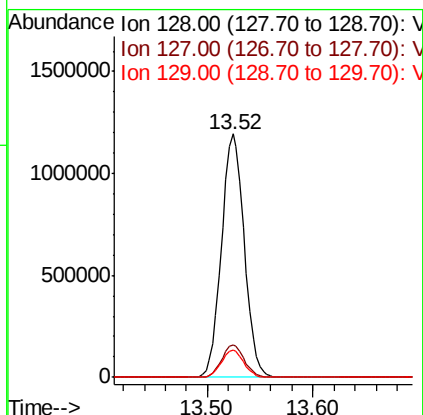
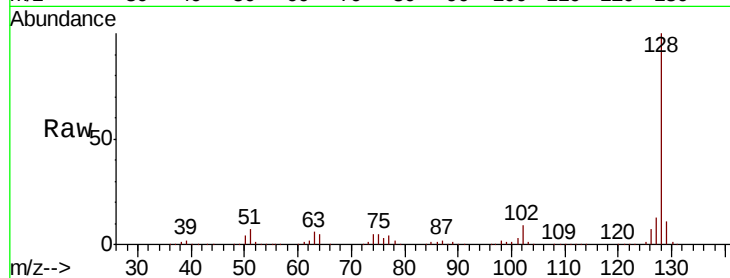




#71
Naphthalene
Concen: 218.667 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. 0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD200306

Tot Ion:128 Resp: 1777753
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 11.0 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 211.650 ug/L
RT: 13.77 min Scan# 3942
Delta R.T. 0.00 min
Lab File: VV019211.D
Acq: 02 Nov 2020 19:46

Tgt Ion:180 Resp: 560106
Ion Ratio Lower Upper
180 100
182 95.7 77.4 116.0
145 31.0 24.7 37.1

