

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015331.D
 Acq On : 01 Apr 2020 12:22
 Operator : SY/MD
 Sample : VSTD20064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 01:48:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 01:39:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	741092	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	724485	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	360440	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1201419	180.80	ug/L	0.00
7) Chloroethane-d5	1.58	69	1039532	183.13	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	2199849	185.21	ug/L	0.00
21) 2-Butanone-d5	3.92	46	1371014	386.35	ug/L	0.00
24) Chloroform-d	4.38	84	1997111	182.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	1211821	177.33	ug/L	0.00
32) Benzene-d6	5.08	84	3973435	178.09	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	1187168	180.47	ug/L	0.00
41) Toluene-d8	7.34	98	3860112	180.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	680468	187.22	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	1124355	374.25	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	1713000	183.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	1472540	179.59	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	1323366	197.462	ug/L	99
3) Chloromethane	1.25	50	1177095	186.367	ug/L	100
5) Vinyl chloride	1.32	62	1243550	187.969	ug/L	100
6) Bromomethane	1.53	94	836387	191.250	ug/L	99
8) Chloroethane	1.60	64	830325	182.699	ug/L	100
9) Trichlorofluoromethane	1.76	101	2693715	215.359	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1065029	190.541	ug/L	99
12) 1,1-Dichloroethene	2.13	96	1029735	192.435	ug/L	94
13) Acetone	2.21	43	866454	373.748	ug/L	99
14) Carbon disulfide	2.31	76	2877072	196.121	ug/L	99
15) Methyl Acetate	2.45	43	987638	193.259	ug/L	99
16) Methylene chloride	2.52	84	1058622	188.721	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	995705	196.646	ug/L	96
18) Methyl tert-butyl Ether	2.79	73	3198454	191.614	ug/L	99
19) 1,1-Dichloroethane	3.21	63	1753106	190.293	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	1126815	194.328	ug/L	# 96
22) 2-Butanone	4.01	43	1407252	399.043	ug/L	96
23) Bromochloromethane	4.28	128	580823	198.492	ug/L	94
25) Chloroform	4.40	83	1879912	188.175	ug/L	99
27) 1,2-Dichloroethane	5.16	62	1417884	188.441	ug/L	100
29) Cyclohexane	4.70	56	1623104	188.302	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	1781478	191.356	ug/L	99
31) Carbon tetrachloride	4.86	117	1557487	195.674	ug/L	100
33) Benzene	5.13	78	4093768	190.909	ug/L	100
34) Trichloroethene	5.94	95	1113243	196.066	ug/L	99
35) Methylcyclohexane	6.15	83	1787368	192.143	ug/L	98
37) 1,2-Dichloropropane	6.20	63	1008977	191.715	ug/L	100
38) Bromodichloromethane	6.53	83	1490041	193.119	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	1743794	197.164	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	2826294	382.005	ug/L	99

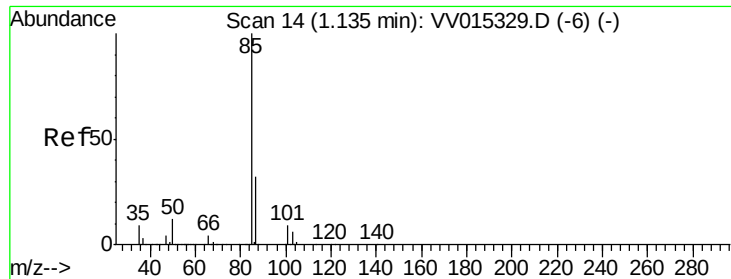
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
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 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 01:39:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	4569260	191.733	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	1725229	200.743	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	1060329	191.056	ug/L	99
46) Tetrachloroethene	8.00	164	841692	206.776	ug/L	97
48) 2-Hexanone	8.16	43	2205331	393.629	ug/L	99
49) Dibromochloromethane	8.27	129	1238038	203.697	ug/L	99
50) 1,2-Dibromoethane	8.37	107	1167291	197.035	ug/L	99
51) Chlorobenzene	8.90	112	3022002	193.481	ug/L	98
52) Ethylbenzene	9.04	91	5147831	192.451	ug/L	98
53) m,p-Xylene	9.16	106	2025050	196.607	ug/L	100
54) o-xylene	9.57	106	1978257	191.741	ug/L	100
55) Styrene	9.58	104	3405017	198.467	ug/L	99
56) Isopropylbenzene	9.95	105	5166896	193.332	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	1687663	189.413	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	1331586	187.380	ug/L	99
61) Bromoform	9.75	173	868272	215.658	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	2356969	194.239	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	2377078	193.154	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	2344066	189.396	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	448013	183.322	ug/L	90
67) 1,3,5-Trichlorobenzene	12.67	180	1655511	205.862	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	1583529	215.574	ug/L	99
69) Naphthalene	13.53	128	5633539	200.603	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	1563527	206.635	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 197.462 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

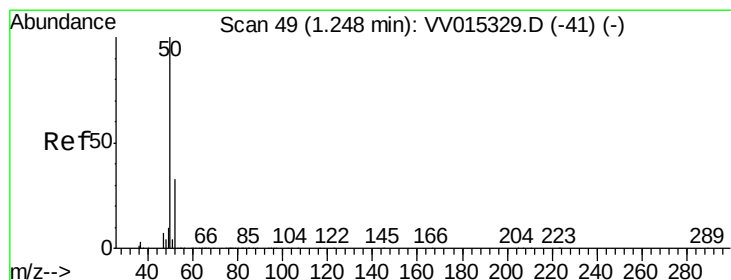
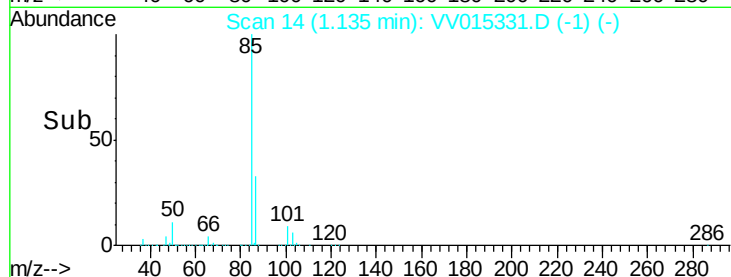
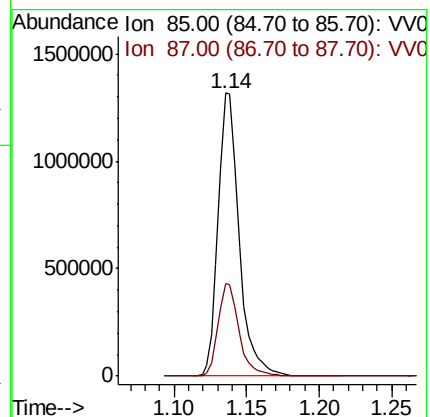
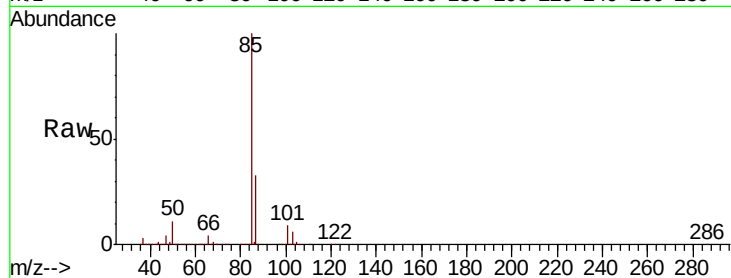
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 1323366

Ion Ratio Lower Upper

85 100

87 32.5 25.5 38.3



#3

Chloromethane

Concen: 186.367 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015331.D

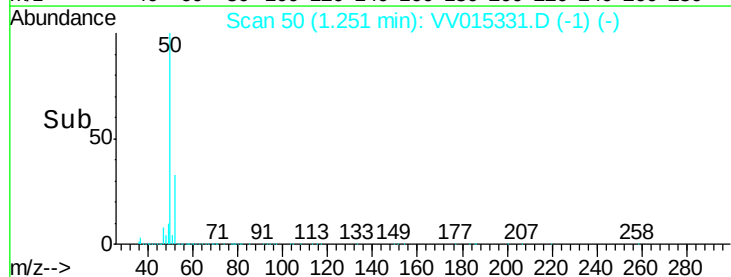
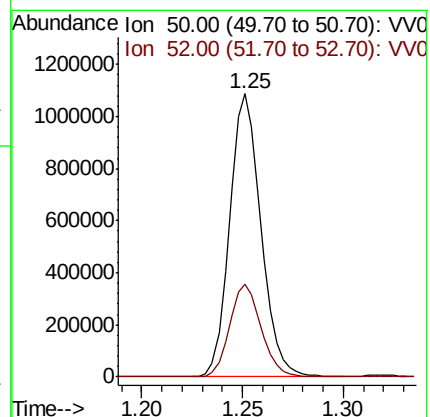
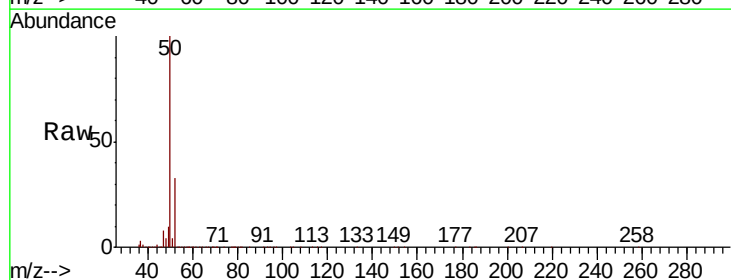
Acq: 01 Apr 2020 12:22

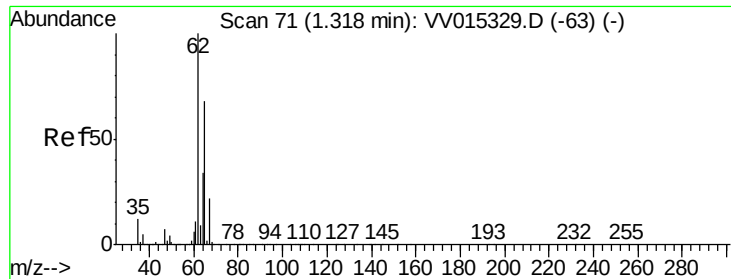
Tgt Ion: 50 Resp: 1177095

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.6





#5

Vinyl chloride

Concen: 187.969 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

Instrument :

MSVOA_V

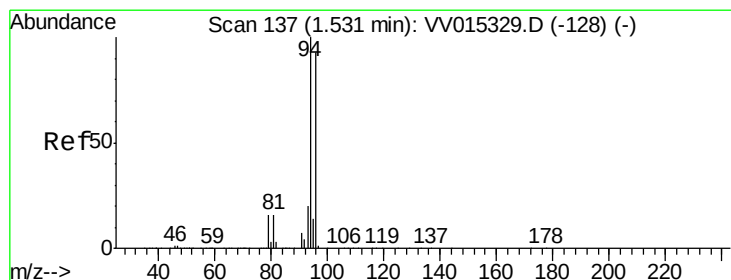
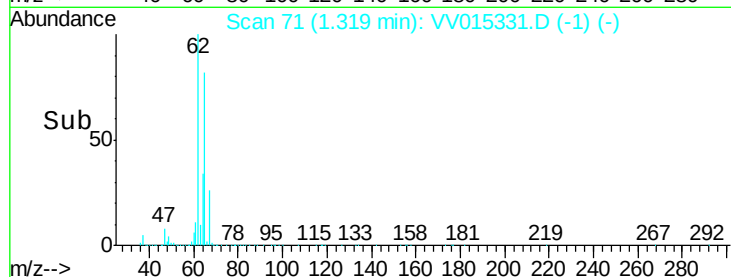
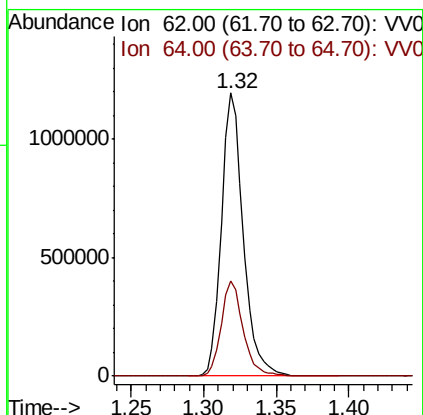
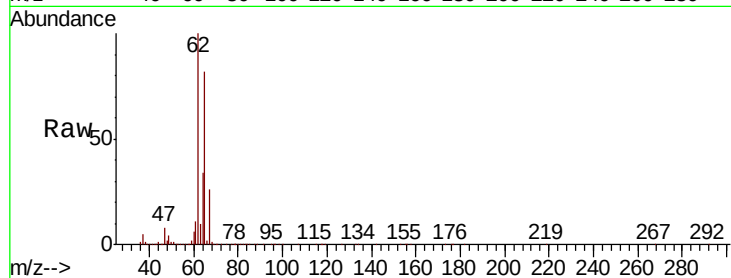
ClientSampleId :

Tot Ion: 62 Resp: 1243550

Ion Ratio Lower Upper

62 100

64 33.6 23.7 43.9



#6

Bromomethane

Concen: 191.250 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015331.D

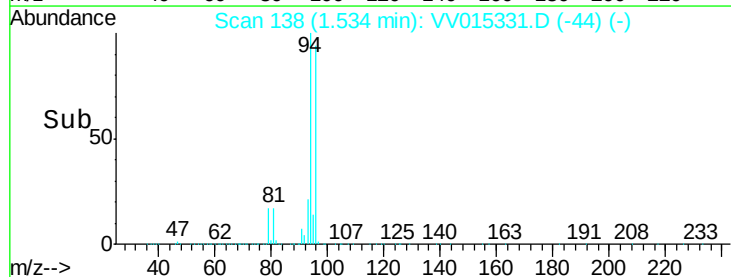
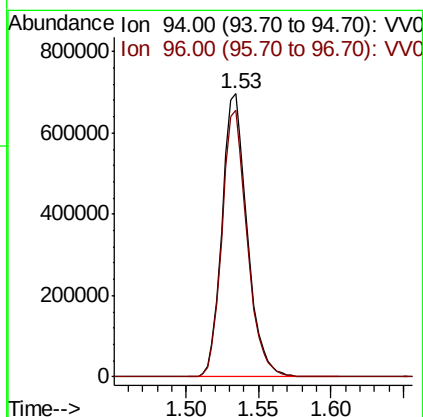
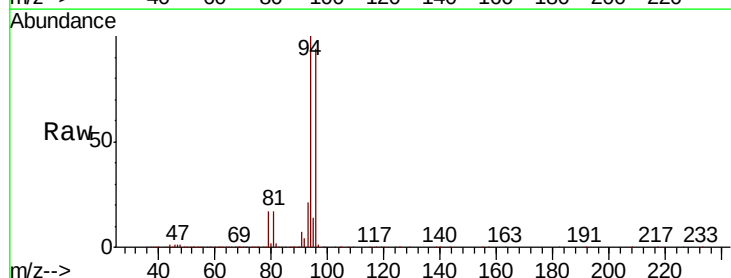
Acq: 01 Apr 2020 12:22

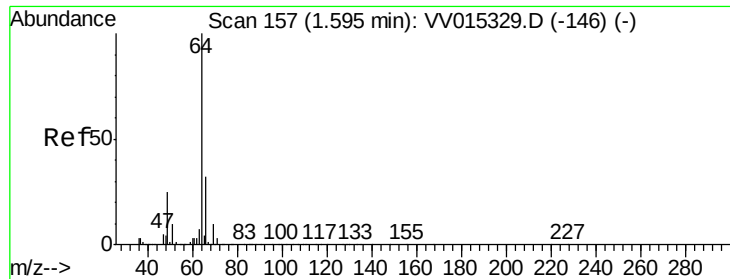
Tgt Ion: 94 Resp: 836387

Ion Ratio Lower Upper

94 100

96 94.3 65.2 121.2





#8

Chloroethane

Concen: 182.699 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

Instrument :

MSVOA_V

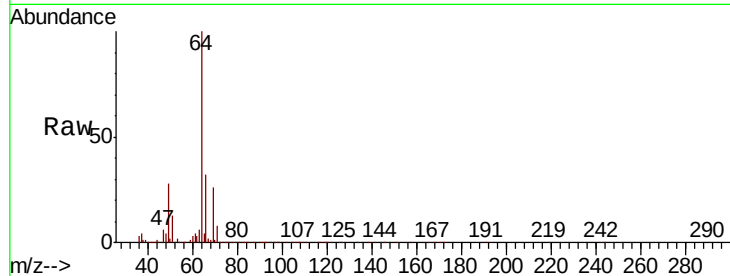
ClientSampleId :

Tot Ion: 64 Resp: 830325

Ion Ratio Lower Upper

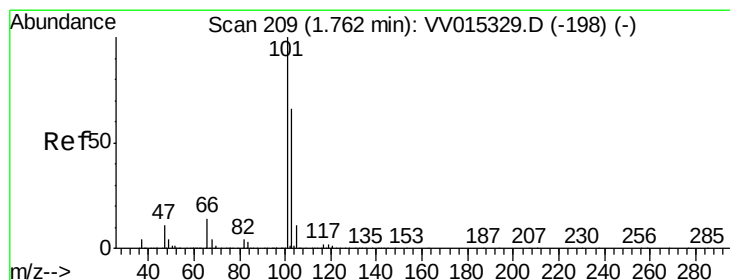
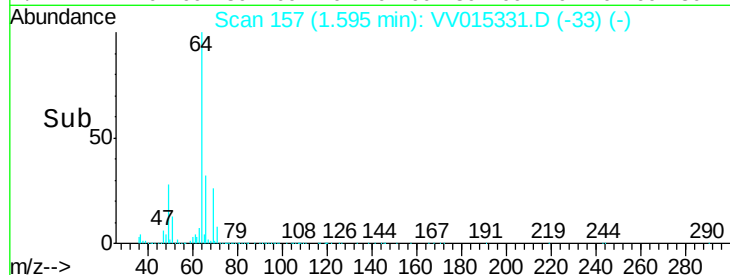
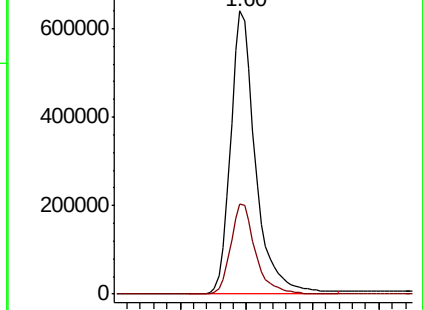
64 100

66 31.9 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV015331.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VV015331.D (-33) (-)



#9

Trichlorofluoromethane

Concen: 215.359 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015331.D

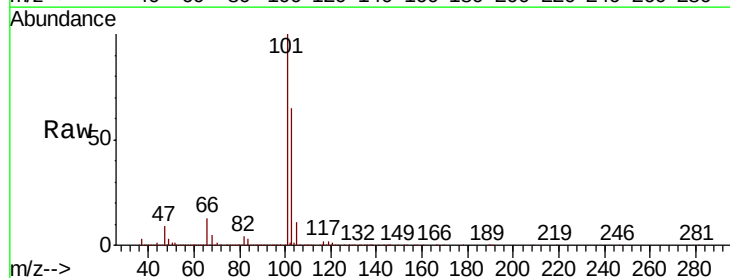
Acq: 01 Apr 2020 12:22

Tgt Ion:101 Resp: 2693715

Ion Ratio Lower Upper

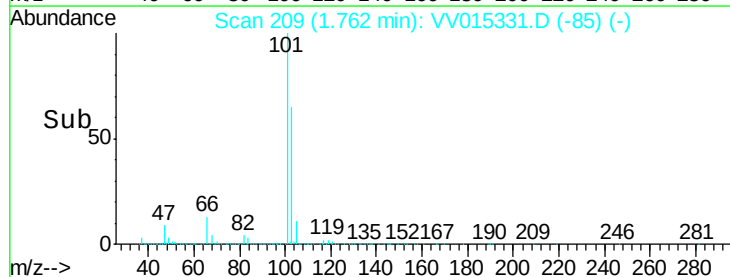
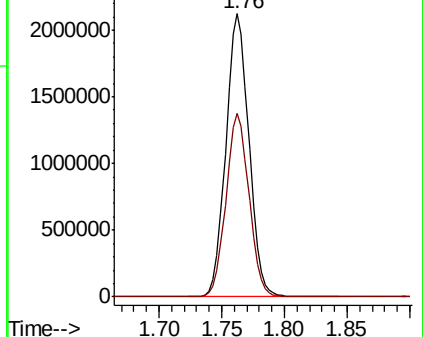
101 100

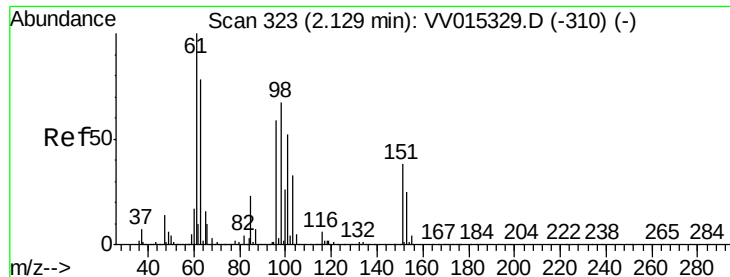
103 64.8 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015331.D (-85) (-)

Ion 103.00 (102.70 to 103.70): VV015331.D (-85) (-)





#10

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

Concen: 190.541 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

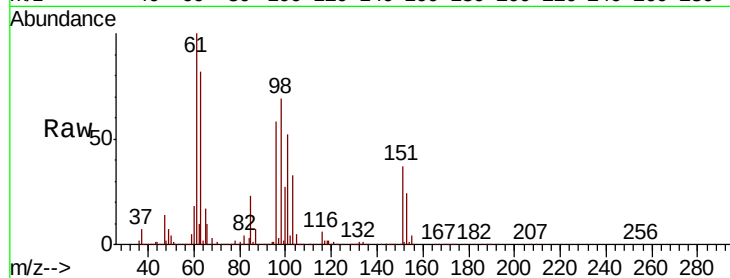
Instrument :

MSVOA_V

ClientSampled :

Tot Ion:101 Resp: 1065029

Ion	Ratio	Lower	Upper
101	100		
85	44.5	36.1	54.1
151	72.3	58.2	87.4



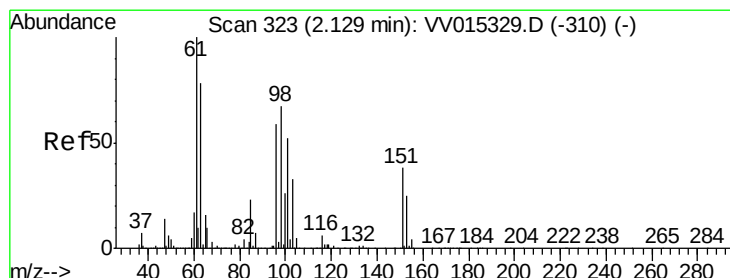
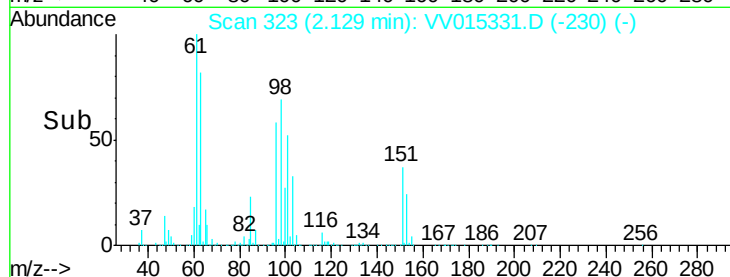
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

2.13

Time-->



#12

1,1-Dichloroethene

Concen: 192.435 ug/L

RT: 2.13 min Scan# 323

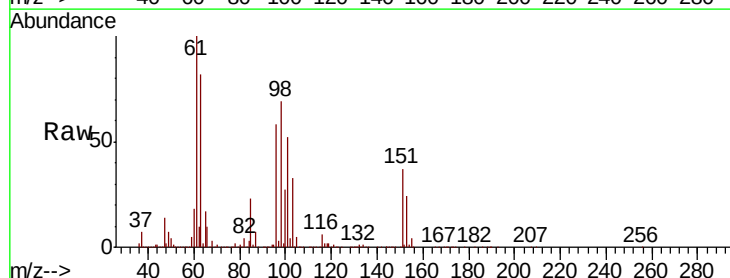
Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

Tgt Ion: 96 Resp: 1029735

Ion	Ratio	Lower	Upper
96	100		
61	173.1	118.0	219.2
63	142.3	92.3	171.3



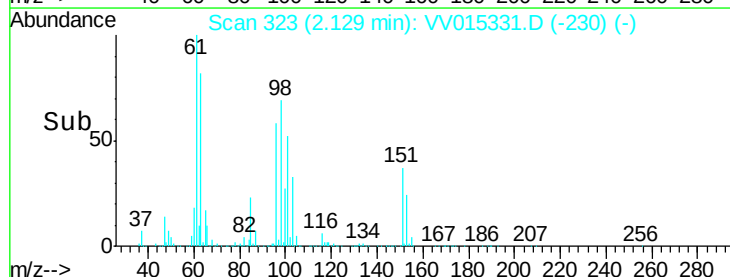
Abundance Ion 96.00 (95.70 to 96.70): VV0

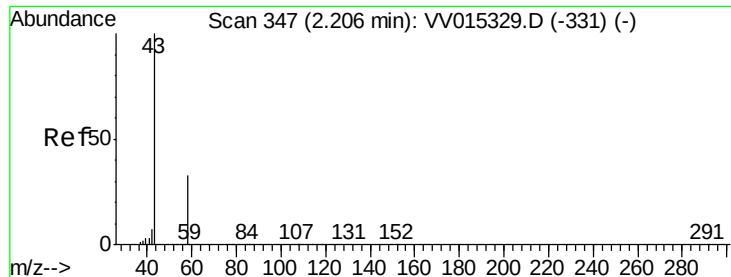
Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

2.13

Time-->





#13

Acetone

Concen: 373.748 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

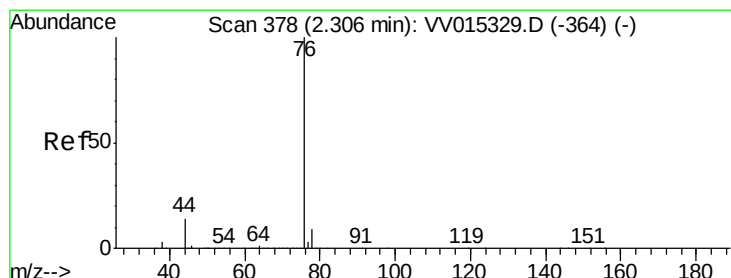
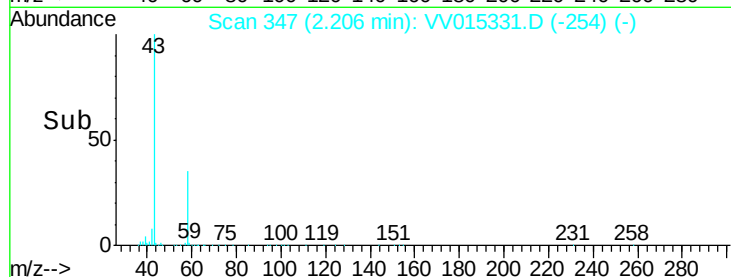
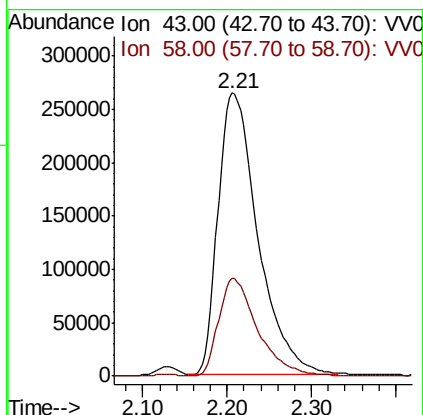
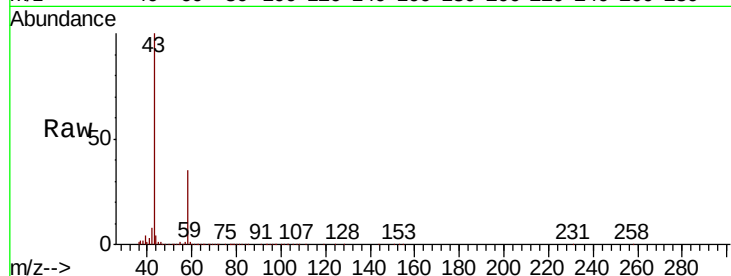
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 866454

Ion Ratio Lower Upper

43 100

58 33.3 0.0 68.2



#14

Carbon disulfide

Concen: 196.121 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015331.D

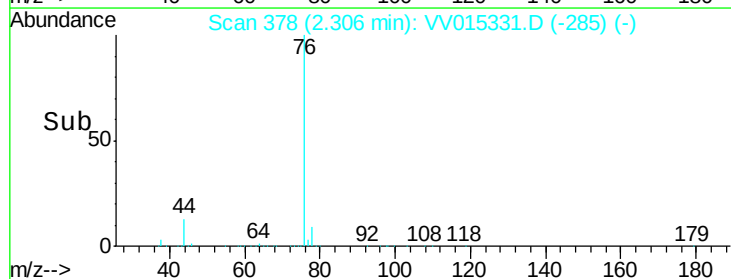
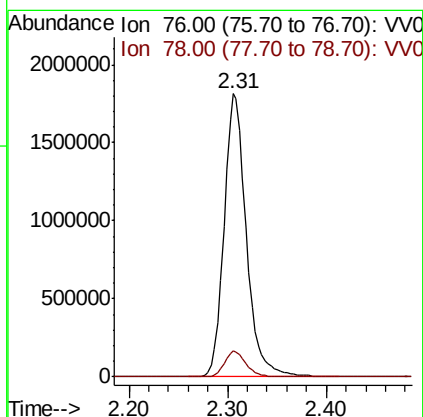
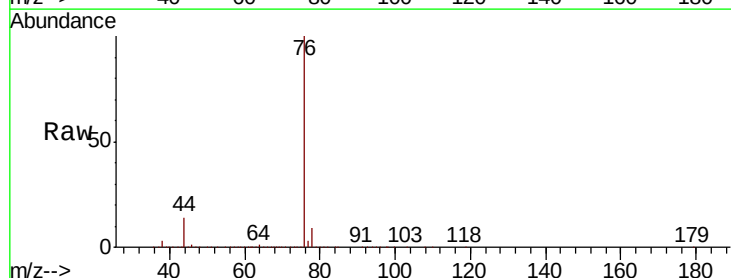
Acq: 01 Apr 2020 12:22

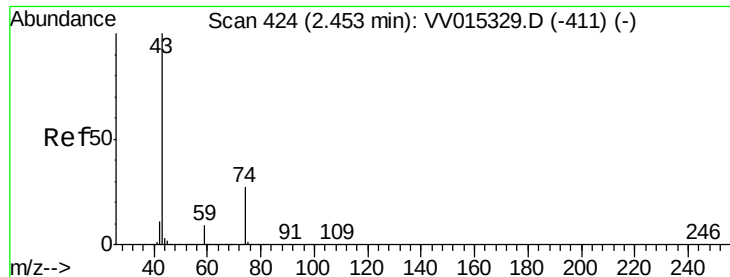
Tgt Ion: 76 Resp: 2877072

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

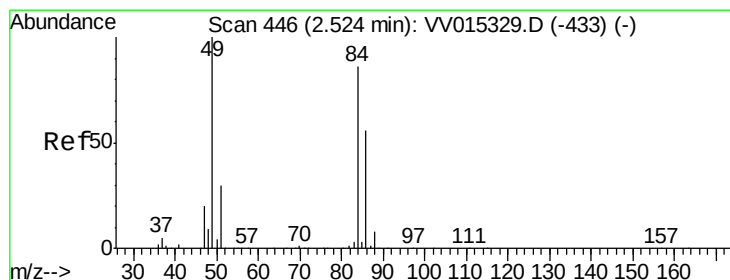
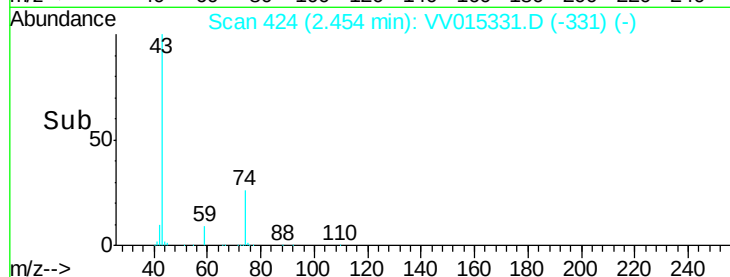
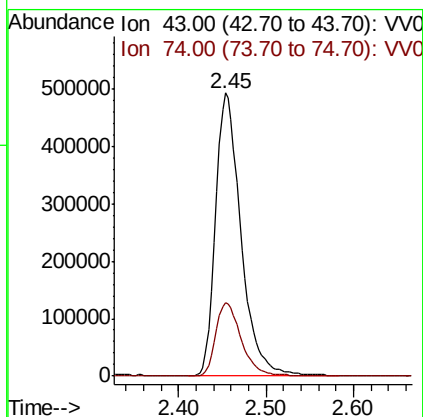
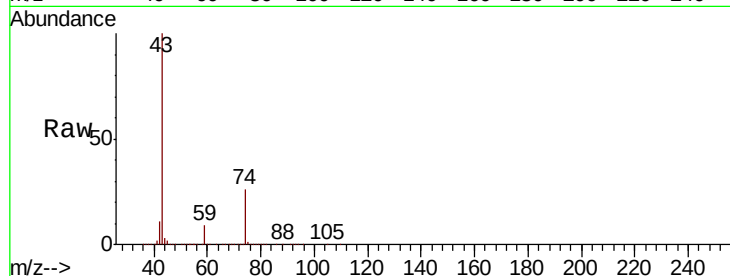




#15
Methvl Acetate
Concen: 193.259 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV015331.D
Acq: 01 Apr 2020 12:22

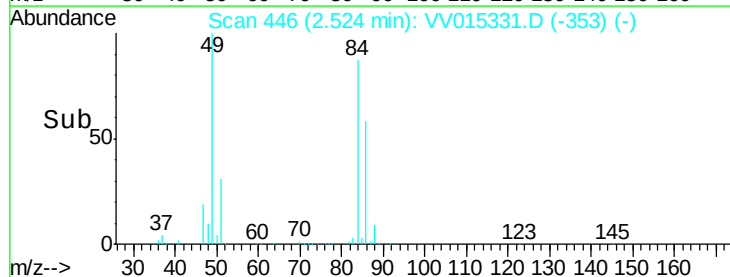
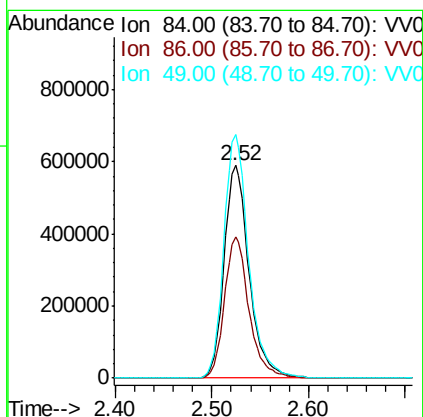
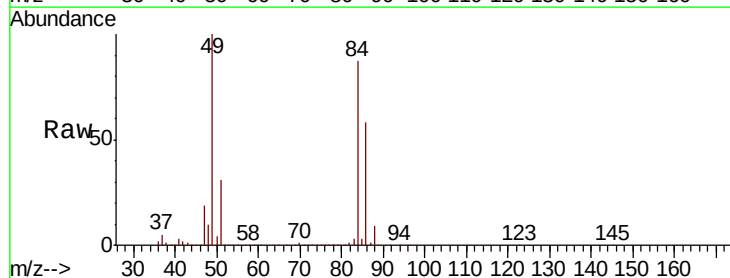
Instrument :
MSVOA_V
ClientSampled :

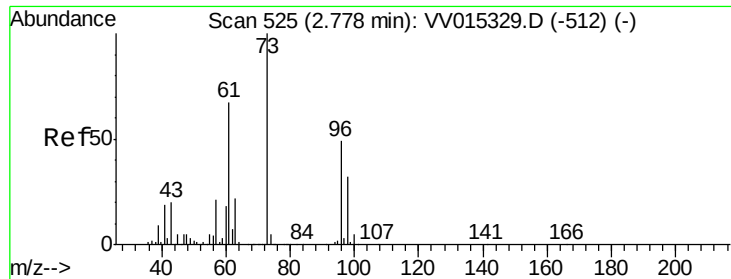
Tot Ion: 43 Resp: 987638
Ion Ratio Lower Upper
43 100
74 26.4 20.9 31.3



#16
Methylene chloride
Concen: 188.721 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015331.D
Acq: 01 Apr 2020 12:22

Tgt Ion: 84 Resp: 1058622
Ion Ratio Lower Upper
84 100
86 66.4 45.1 83.9
49 114.6 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 196.646 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

Instrument :
MSVOA_V
ClientSampleId :

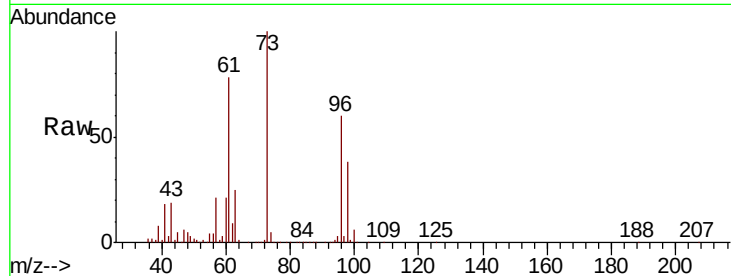
Tot Ion: 96 Resp: 995705

Ion Ratio Lower Upper

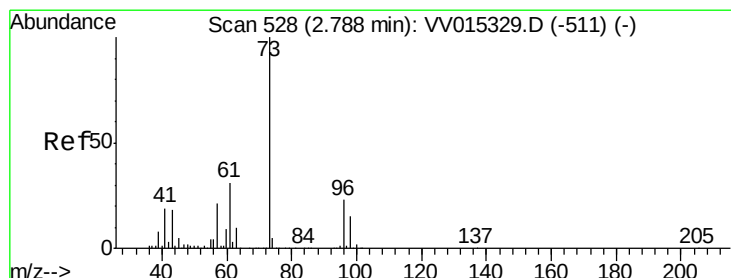
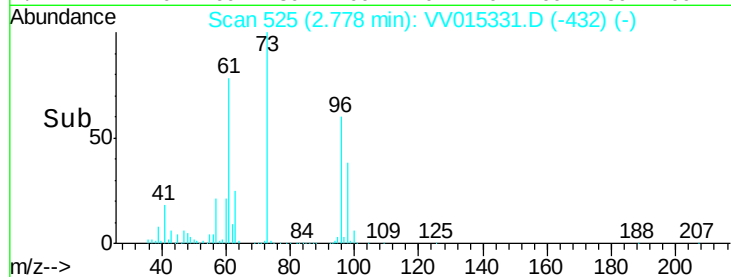
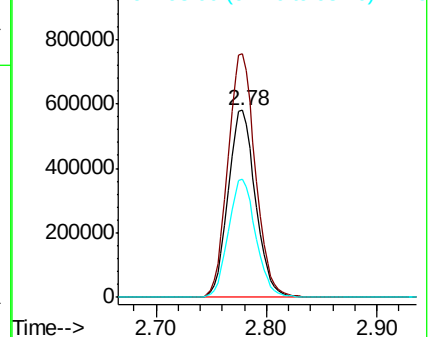
96 100

61 130.2 95.2 176.8

98 63.4 45.1 83.9



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: 191.614 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

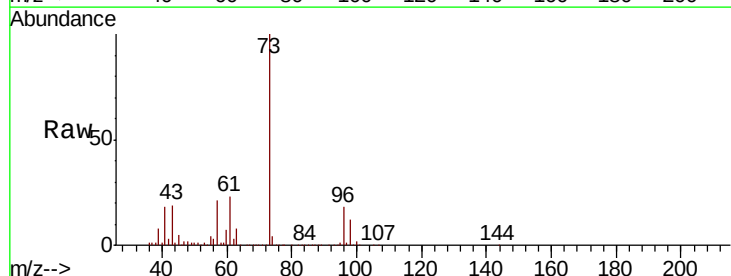
Tgt Ion: 73 Resp: 3198454

Ion Ratio Lower Upper

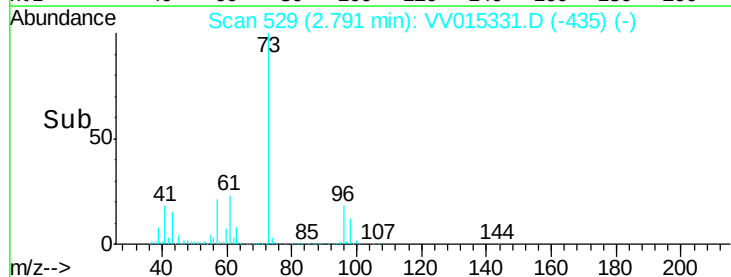
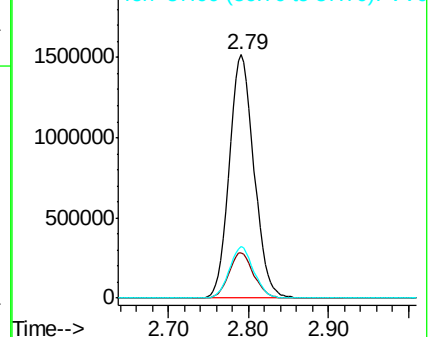
73 100

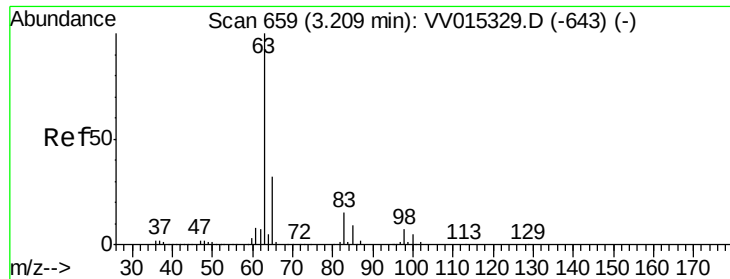
43 18.6 15.4 23.0

57 20.9 16.3 24.5



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0



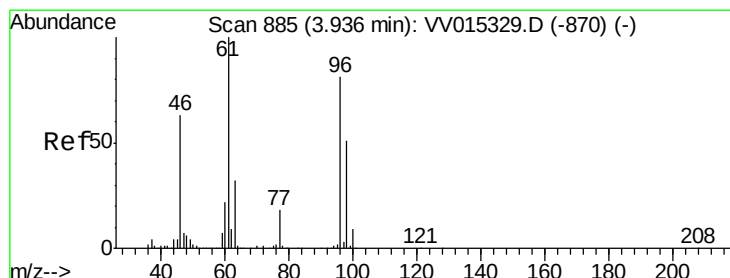
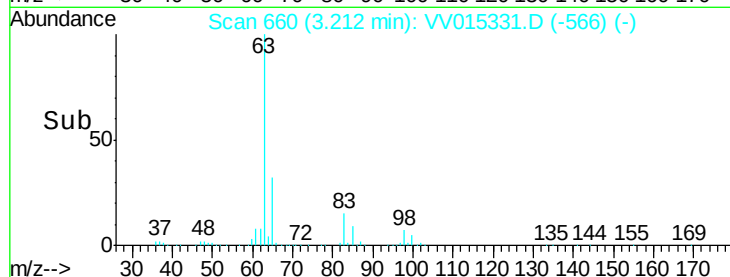
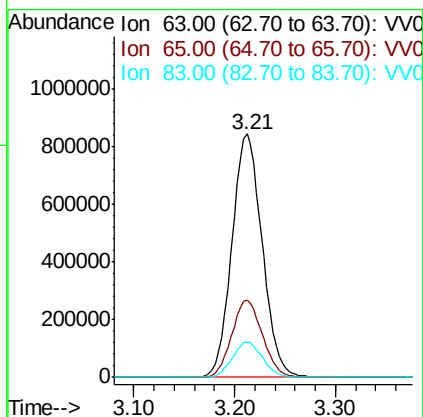
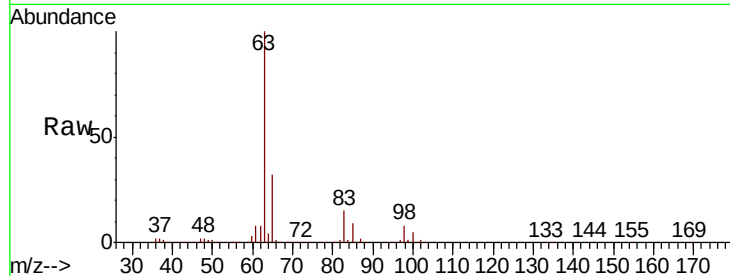


#19
 1,1-Dichloroethane
 Concen: 190.293 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015331.D
 Acq: 01 Apr 2020 12:22

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 63 Resp: 1753106

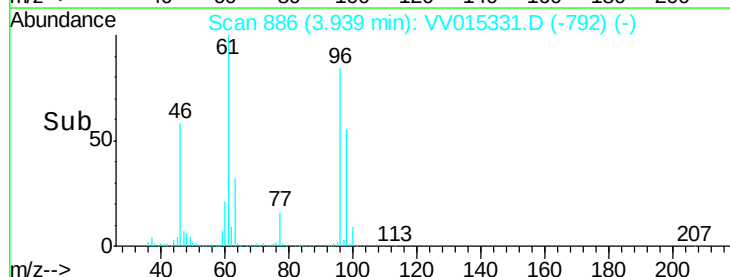
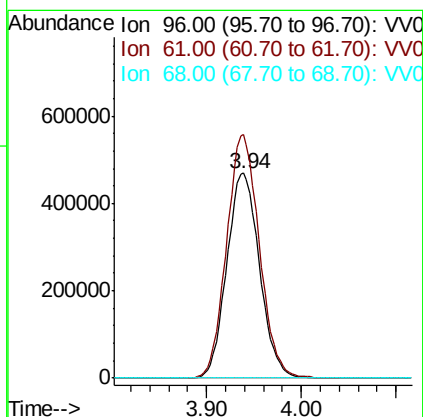
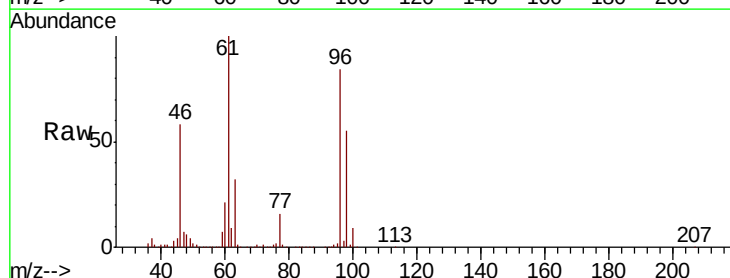
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.3	41.5
83	14.6	10.2	19.0

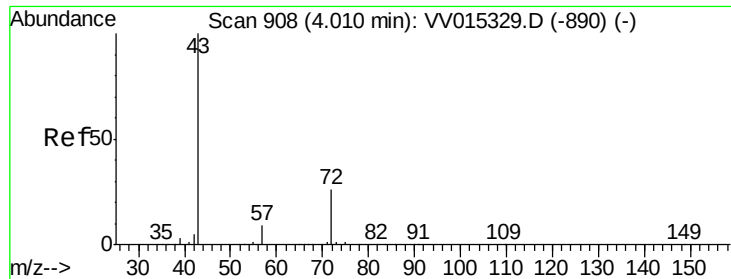


#20
 cis-1,2-Dichloroethene
 Concen: 194.328 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015331.D
 Acq: 01 Apr 2020 12:22

Tgt Ion: 96 Resp: 1126815

Ion	Ratio	Lower	Upper
96	100		
61	118.8	86.4	160.4
68	0.0	0.1	0.3#

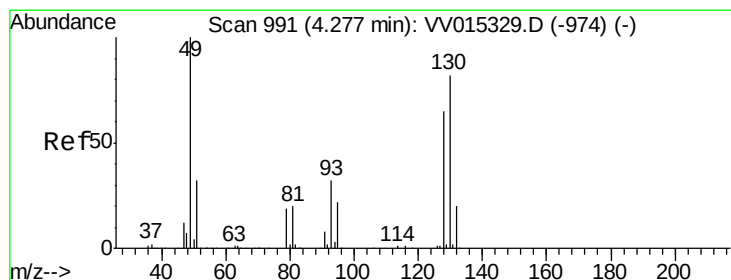
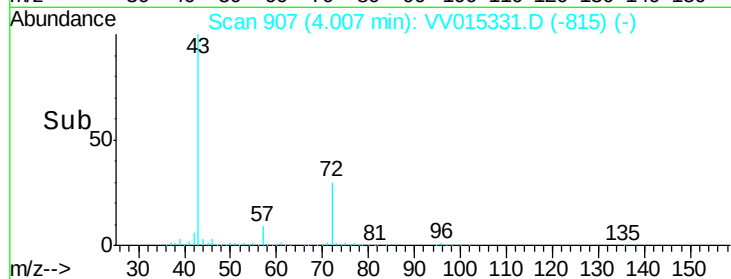
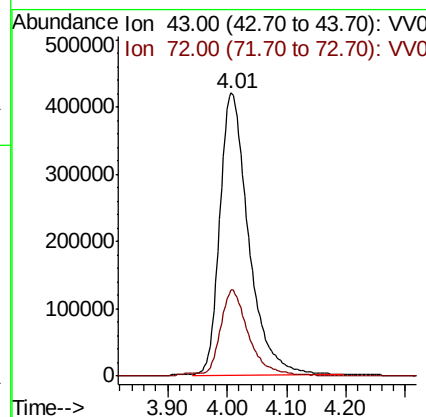
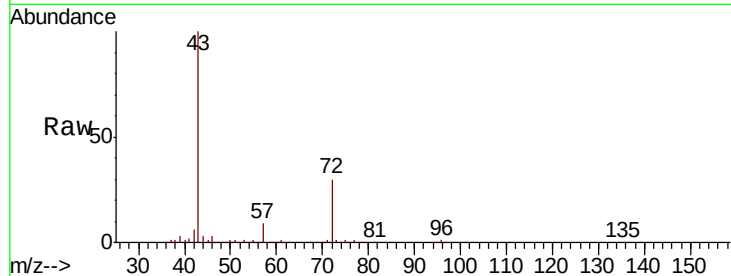




#22
 2-Butanone
 Concen: 399.043 ug/L
 RT: 4.01 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: VV015331.D
 Acq: 01 Apr 2020 12:22

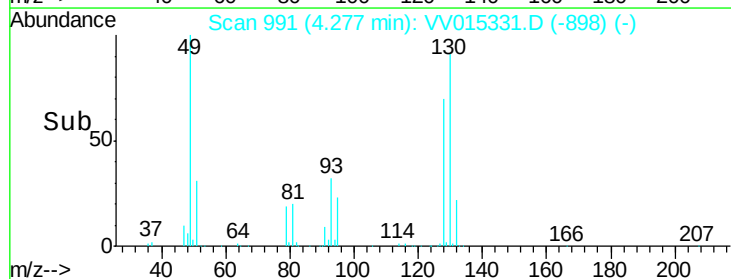
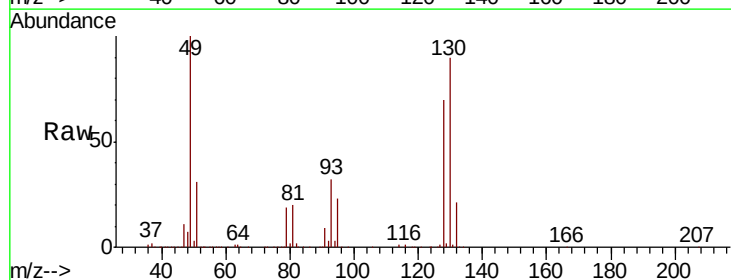
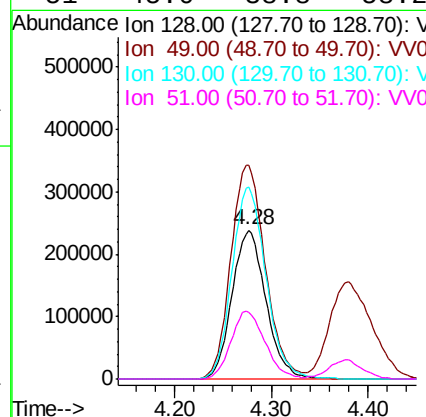
Instrument :
 MSVOA_V
 ClientSampleId :

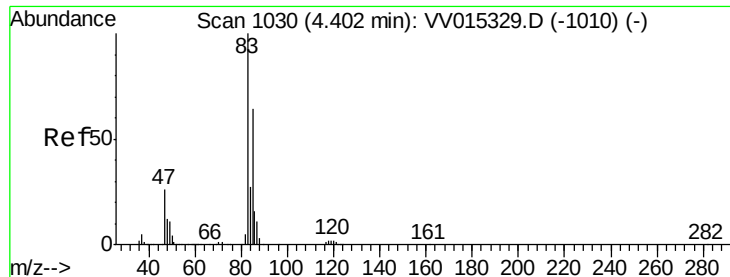
Tot Ion: 43 Resp: 1407252
 Ion Ratio Lower Upper
 43 100
 72 28.6 13.3 39.8



#23
 Bromochloromethane
 Concen: 198.492 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV015331.D
 Acq: 01 Apr 2020 12:22

Tgt Ion:128 Resp: 580823
 Ion Ratio Lower Upper
 128 100
 49 143.6 107.5 199.7
 130 129.5 87.7 162.9
 51 45.0 38.8 58.2

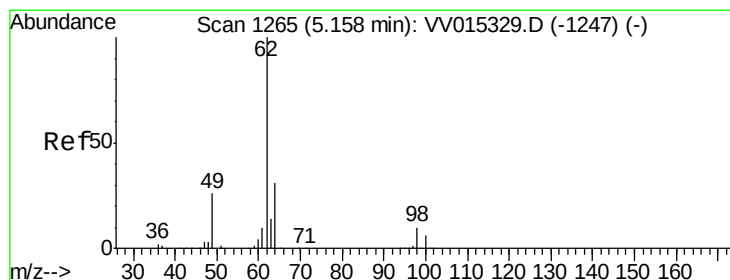
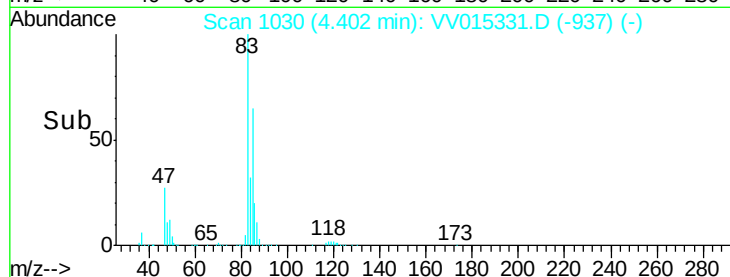
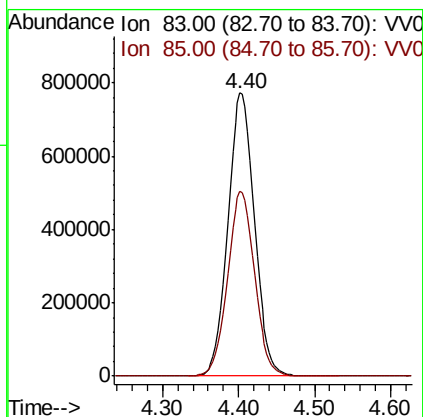
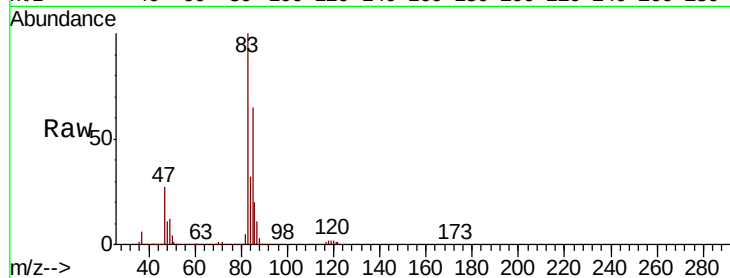




#25
Chloroform
Concen: 188.175 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015331.D
Acq: 01 Apr 2020 12:22

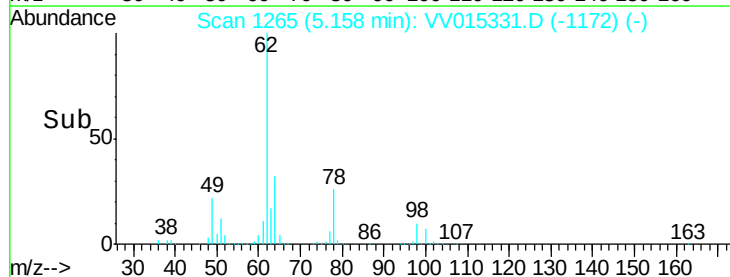
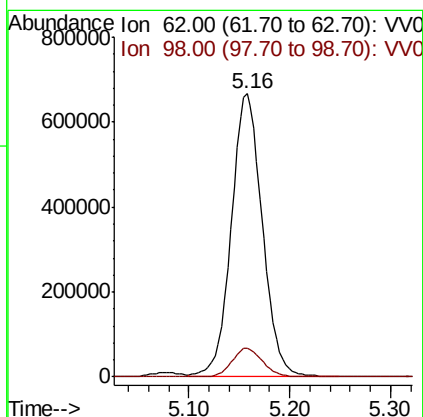
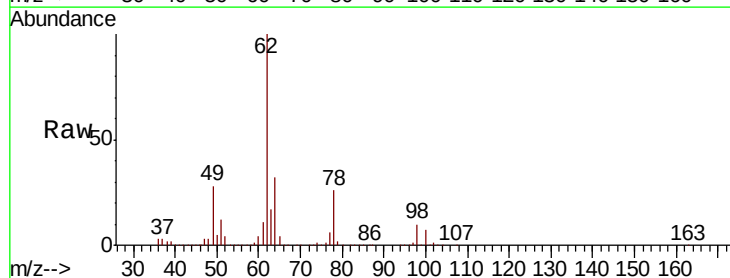
Instrument :
MSVOA_V
ClientSampleId :

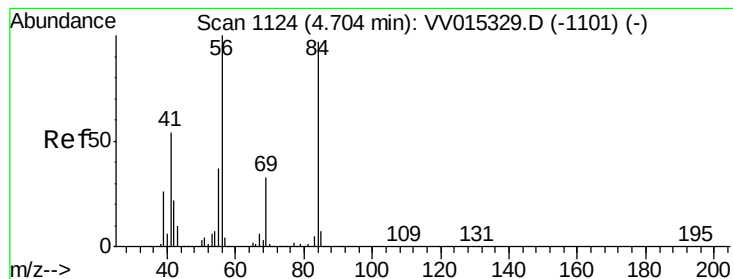
Tot Ion: 83 Resp: 1879912
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 188.441 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015331.D
Acq: 01 Apr 2020 12:22

Tgt Ion: 62 Resp: 1417884
Ion Ratio Lower Upper
62 100
98 10.1 7.9 11.9





#29

Cyclohexane

Concen: 188.302 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

Instrument :
MSVOA_V
ClientSampled :

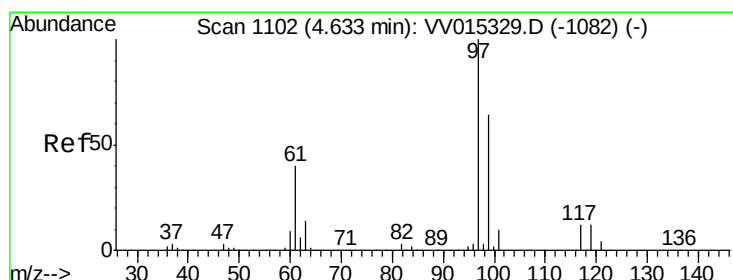
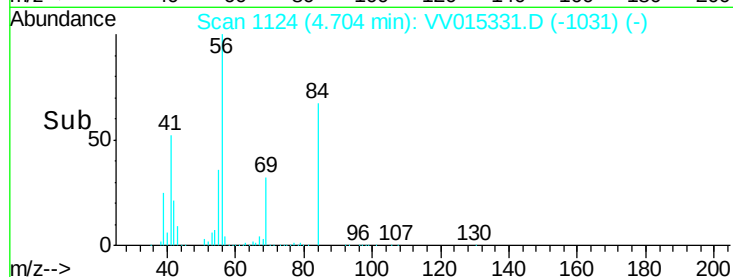
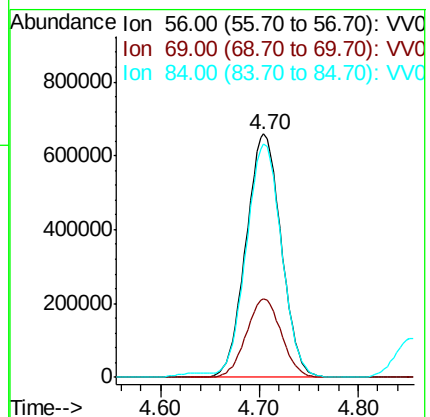
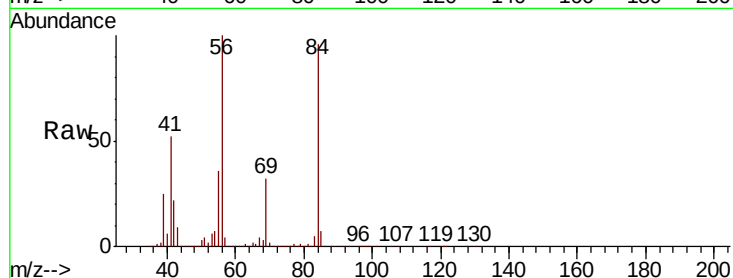
Tot Ion: 56 Resp: 1623104

Ion Ratio Lower Upper

56 100

69 32.1 25.5 38.3

84 96.3 76.3 114.5



#30

1,1,1-Trichloroethane

Concen: 191.356 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

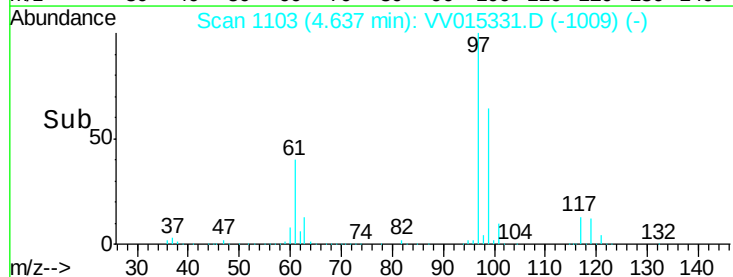
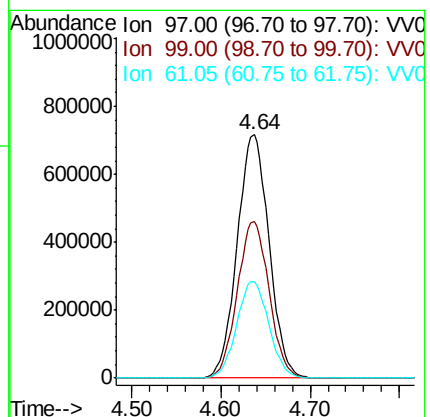
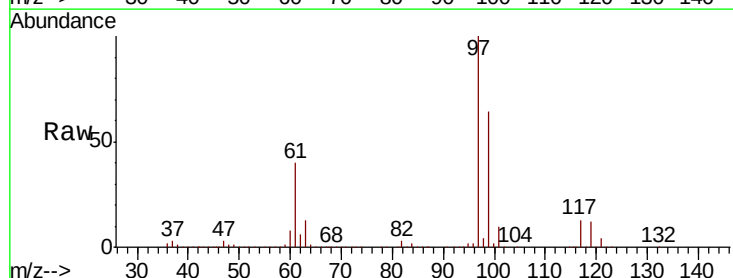
Tgt Ion: 97 Resp: 1781478

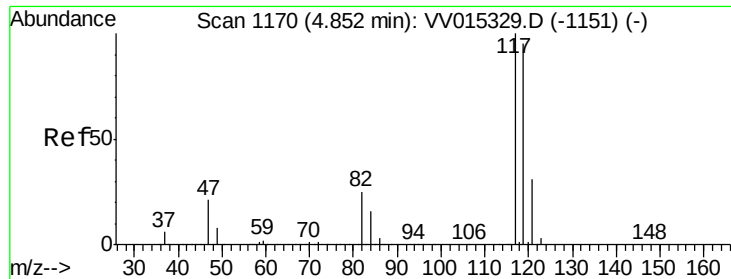
Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

61 40.1 33.4 50.0

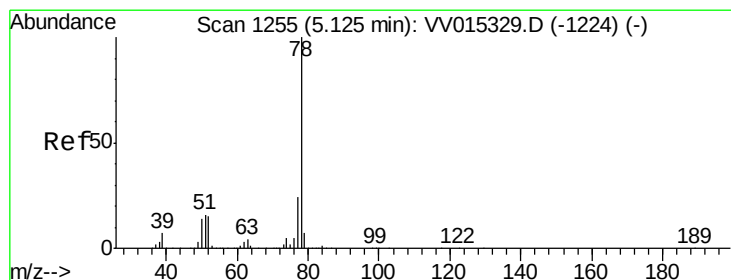
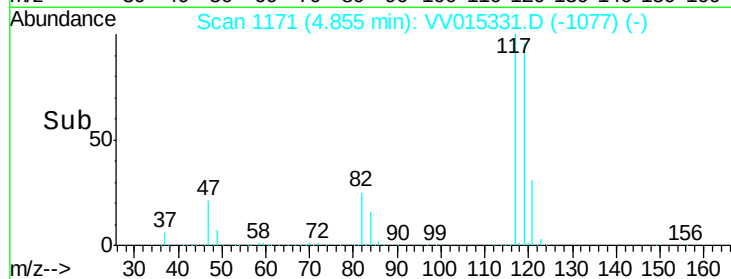
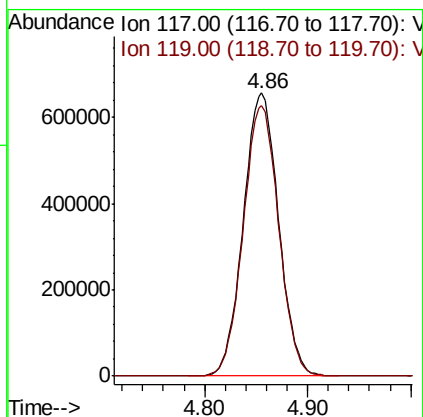
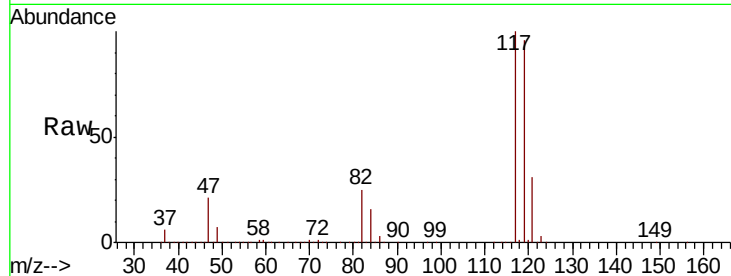




#31
Carbon tetrachloride
Concen: 195.674 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV015331.D
Acq: 01 Apr 2020 12:22

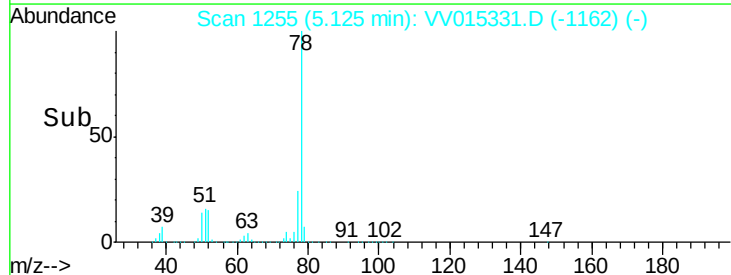
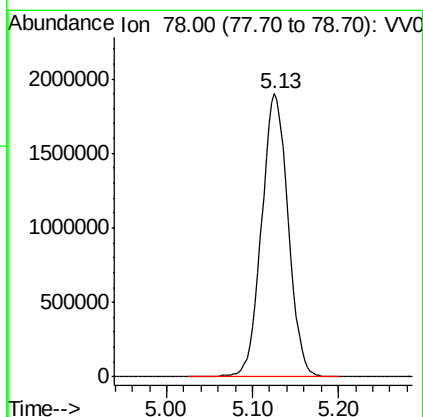
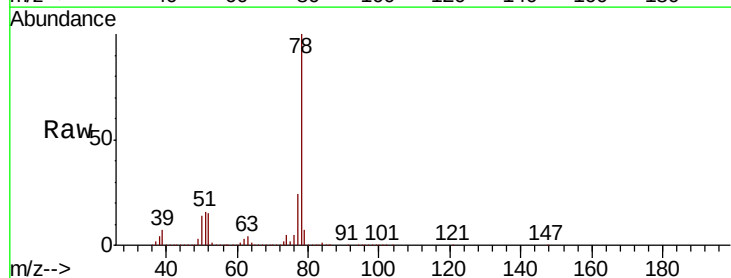
Instrument :
MSVOA_V
ClientSampleId :

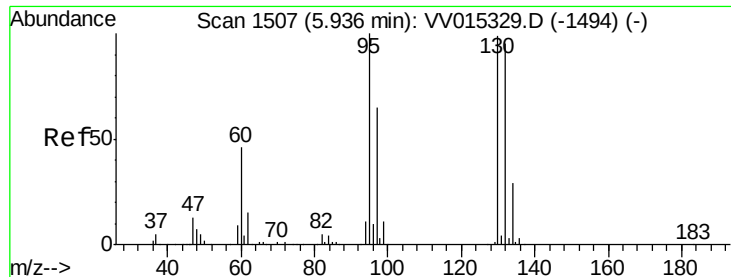
Tot Ion:117 Resp: 1557487
Ion Ratio Lower Upper
117 100
119 96.2 76.8 115.2



#33
Benzene
Concen: 190.909 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015331.D
Acq: 01 Apr 2020 12:22

Tgt Ion: 78 Resp: 4093768

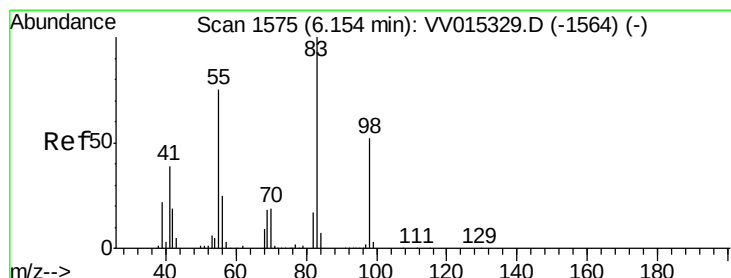
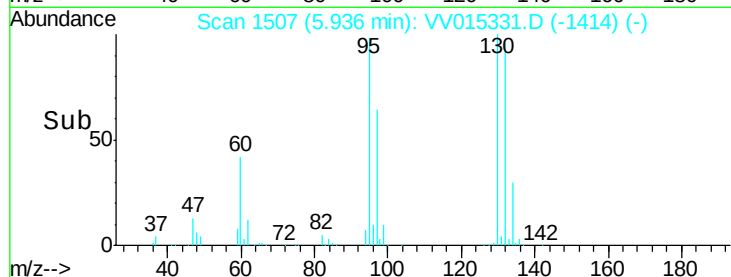
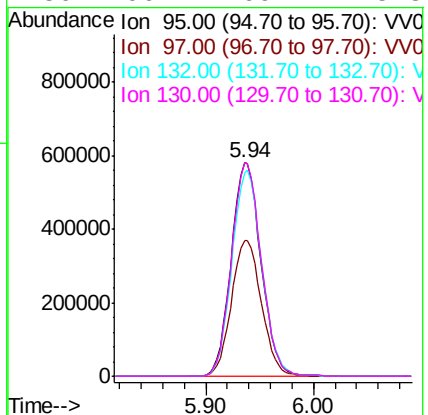
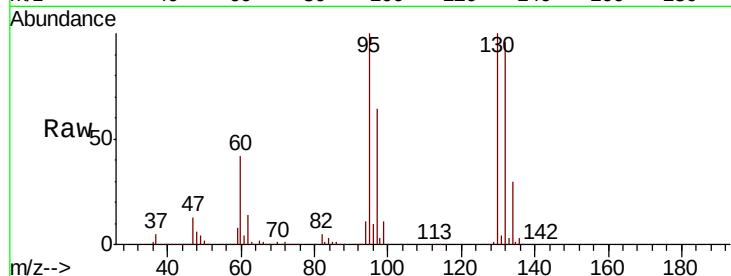




#34
 Trichloroethene
 Concen: 196.066 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015331.D
 Acq: 01 Apr 2020 12:22

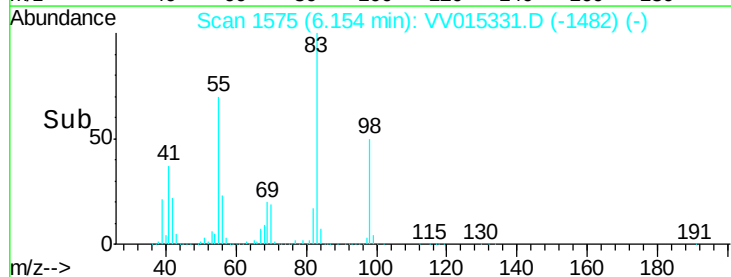
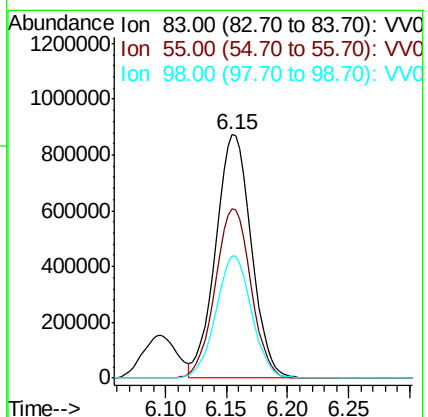
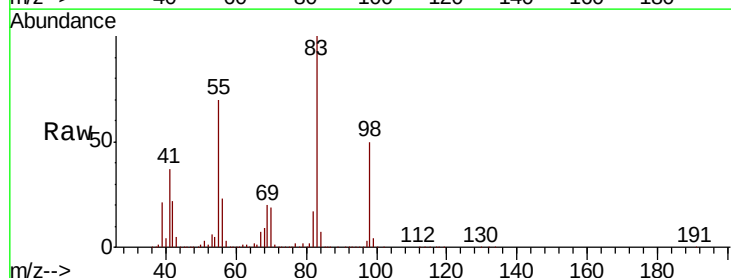
Instrument :
 MSVOA_V
 ClientSampled :

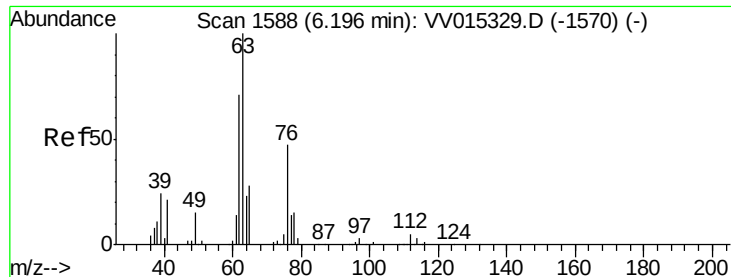
Tot Ion: 95 Resp: 1113243
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.4 84.2
 132 95.6 66.8 124.2
 130 100.1 69.4 128.8



#35
 Methylcyclohexane
 Concen: 192.143 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015331.D
 Acq: 01 Apr 2020 12:22

Tgt Ion: 83 Resp: 1787368
 Ion Ratio Lower Upper
 83 100
 55 70.0 57.9 86.9
 98 50.2 40.0 60.0

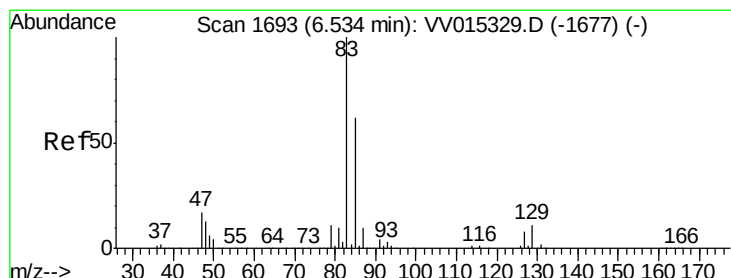
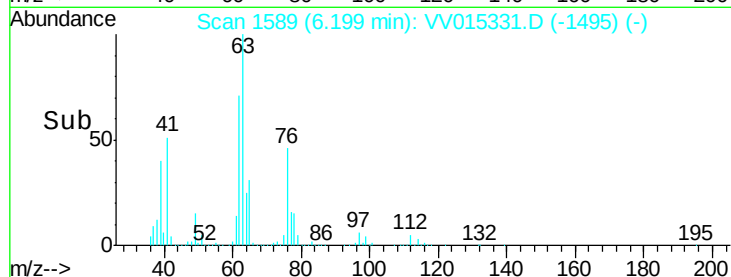
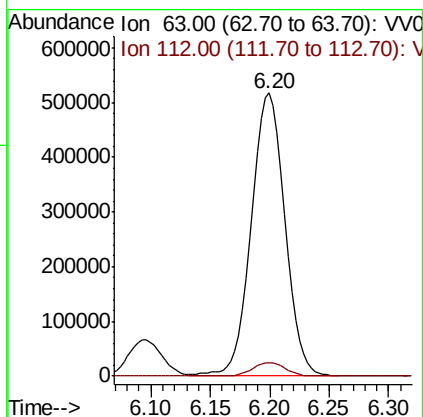
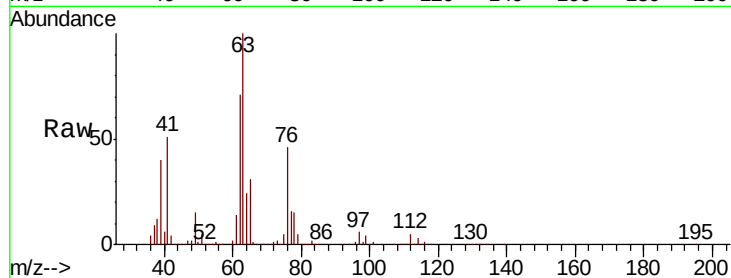




#37
 1,2-Dichloropropane
 Concen: 191.715 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015331.D
 Acq: 01 Apr 2020 12:22

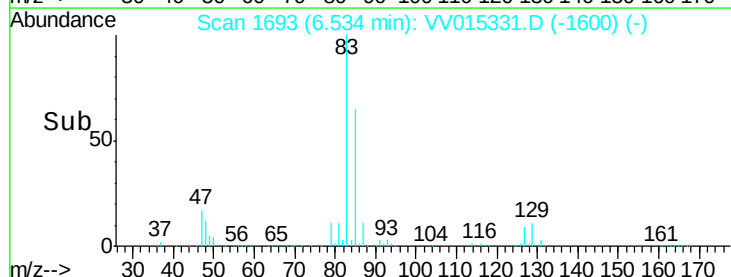
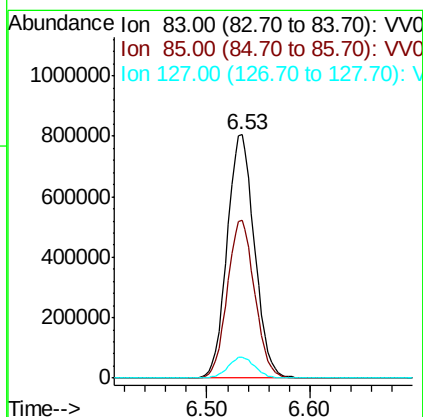
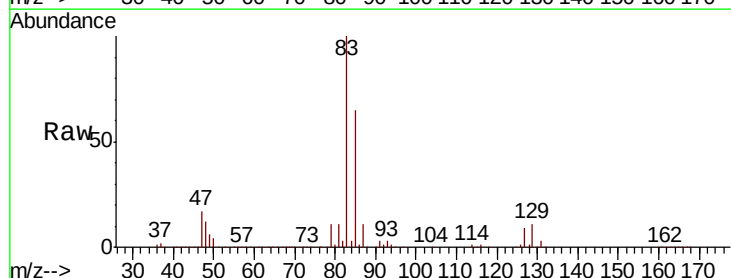
Instrument :
 MSVOA_V
 ClientSampled :

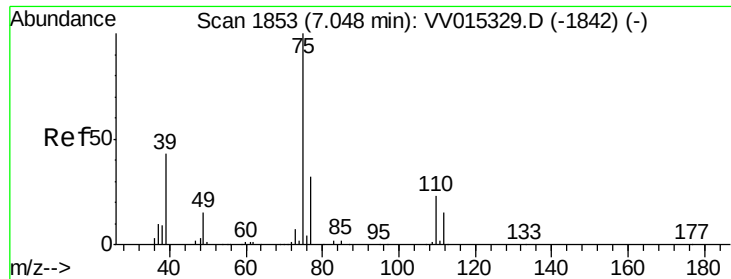
Tot Ion: 63 Resp: 1008977
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 193.119 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015331.D
 Acq: 01 Apr 2020 12:22

Tgt Ion: 83 Resp: 1490041
 Ion Ratio Lower Upper
 83 100
 85 64.6 43.5 80.9
 127 8.6 6.6 10.0



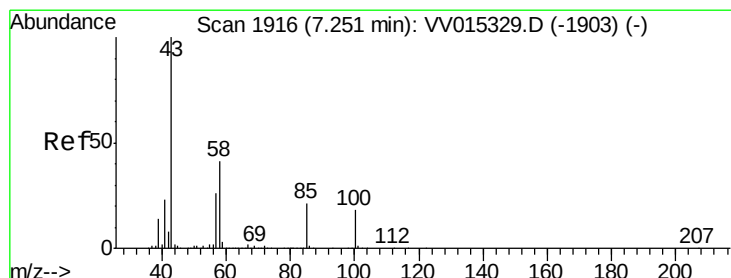
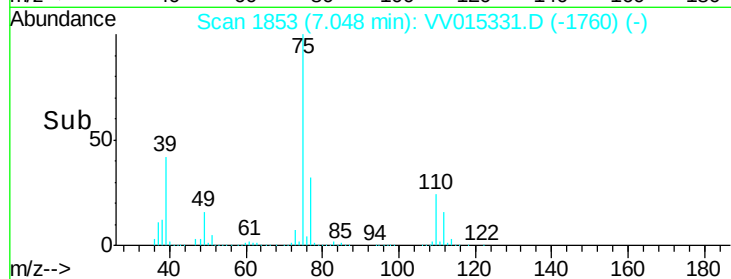
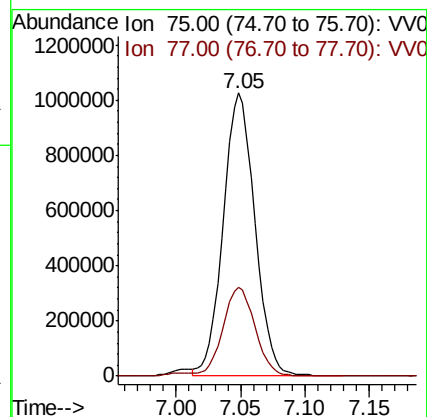
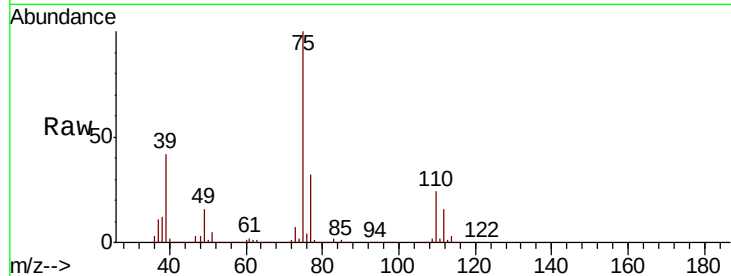


#39

cis-1,3-Dichloropropene
Concen: 197.164 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV015331.D
Acq: 01 Apr 2020 12:22

Instrument :
MSVOA_V
ClientSampleId :

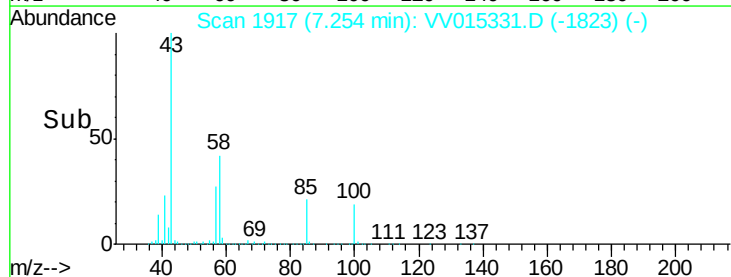
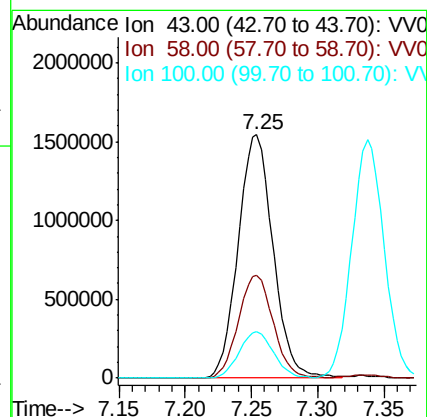
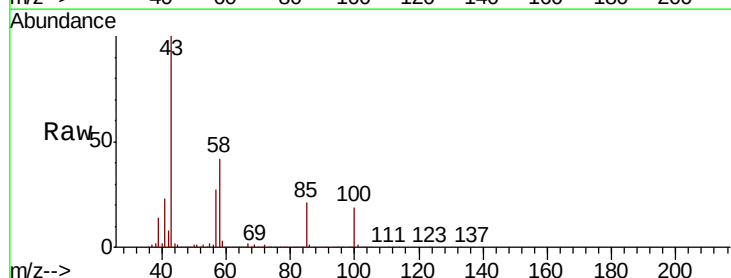
Tot Ion: 75 Resp: 1743794
Ion Ratio Lower Upper
75 100
77 31.5 22.5 41.9

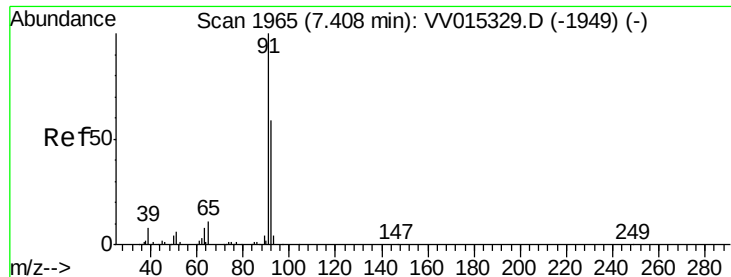


#40

4-Methyl-2-pentanone
Concen: 382.005 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV015331.D
Acq: 01 Apr 2020 12:22

Tgt Ion: 43 Resp: 2826294
Ion Ratio Lower Upper
43 100
58 42.3 33.3 49.9
100 18.8 14.6 22.0





#42

Toluene

Concen: 191.733 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

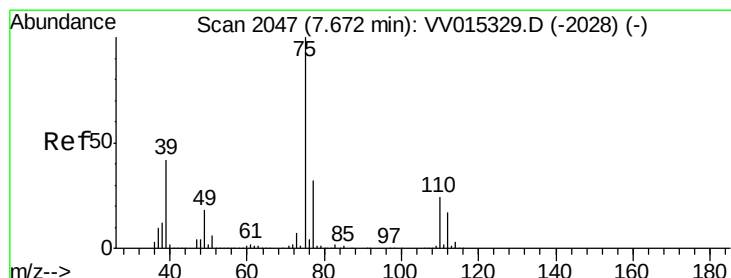
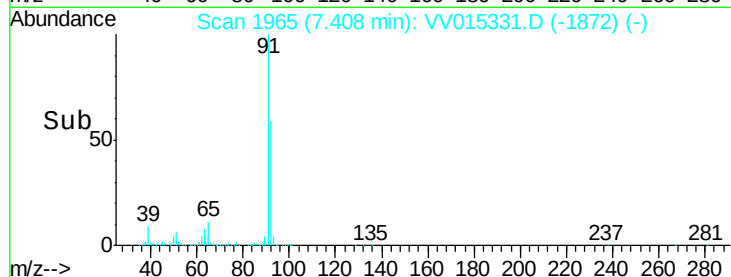
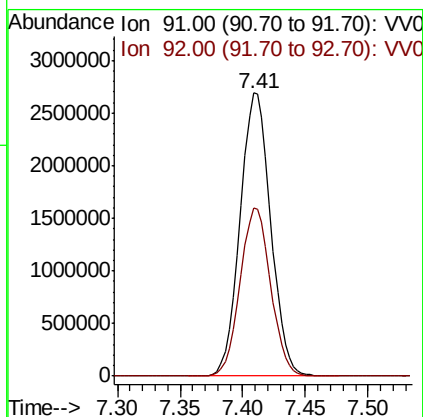
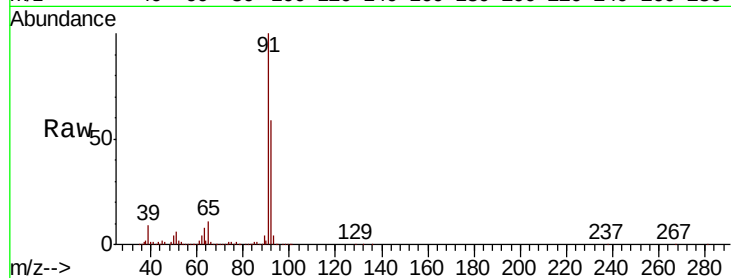
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 4569260

Ion Ratio Lower Upper

91 100

92 59.3 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 200.743 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015331.D

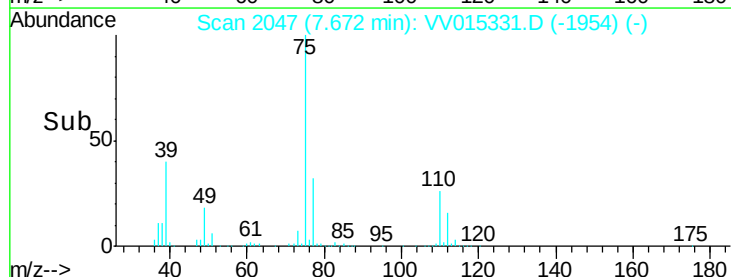
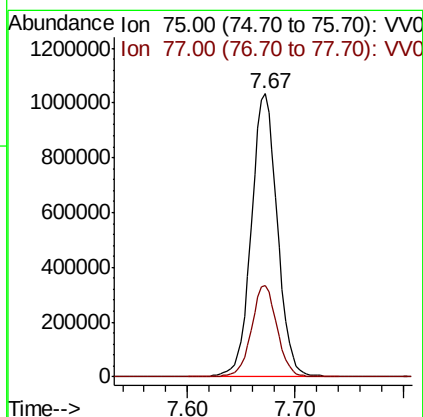
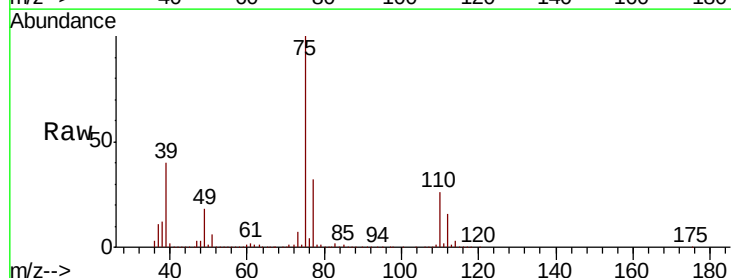
Acq: 01 Apr 2020 12:22

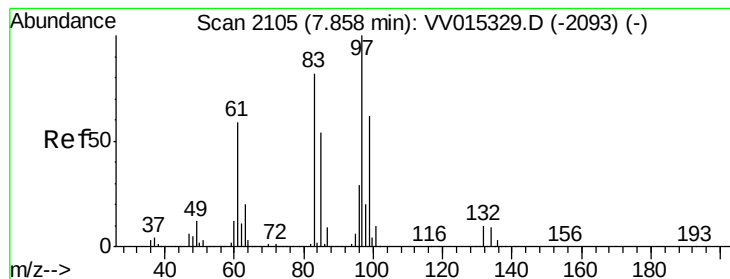
Tgt Ion: 75 Resp: 1725229

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 191.056 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 1060329

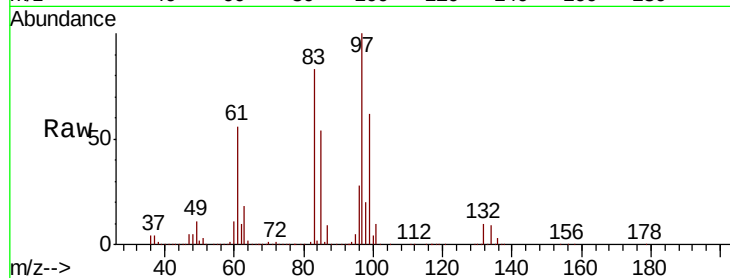
Ion Ratio Lower Upper

97 100

99 62.3 43.5 80.7

83 82.8 57.3 106.5

85 53.7 37.7 70.1



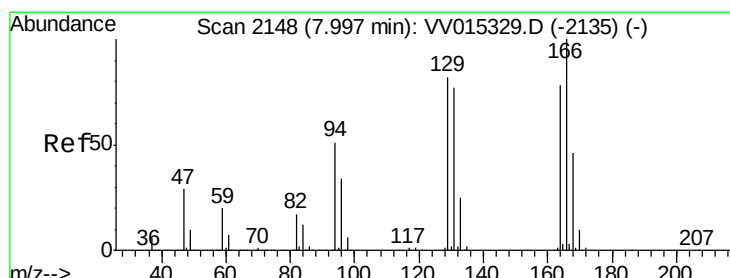
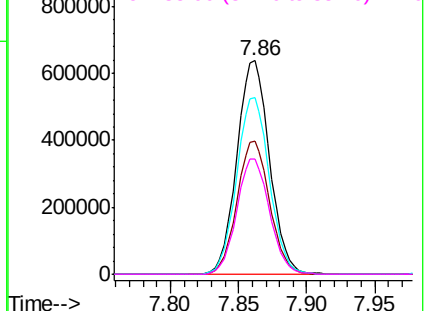
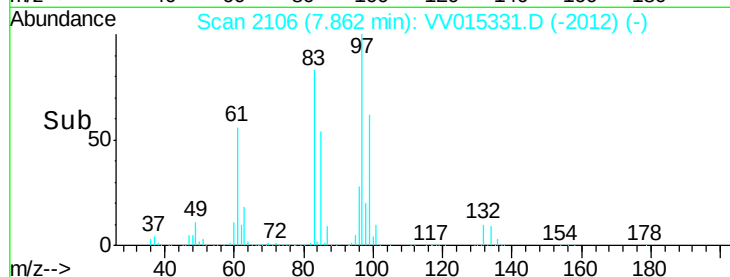
Abundance

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: 206.776 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

Tgt Ion:164 Resp: 841692

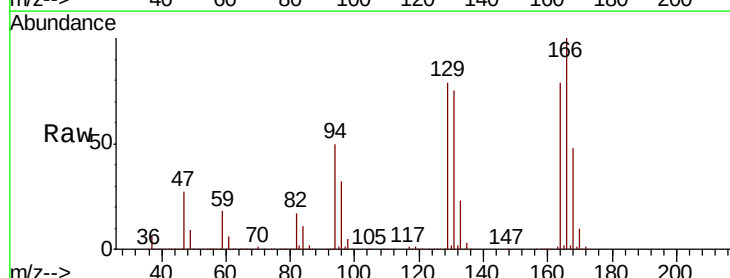
Ion Ratio Lower Upper

164 100

129 99.9 73.8 137.0

131 95.5 69.4 129.0

166 127.1 89.7 166.7



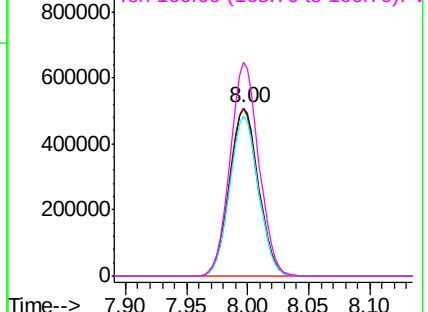
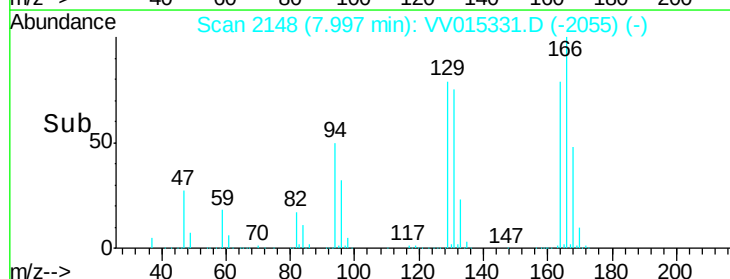
Abundance

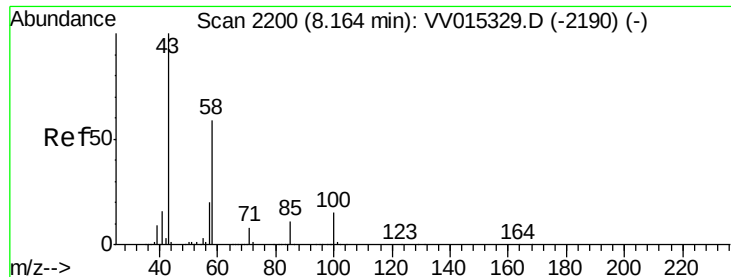
Ion 164.00 (163.70 to 164.70): V

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

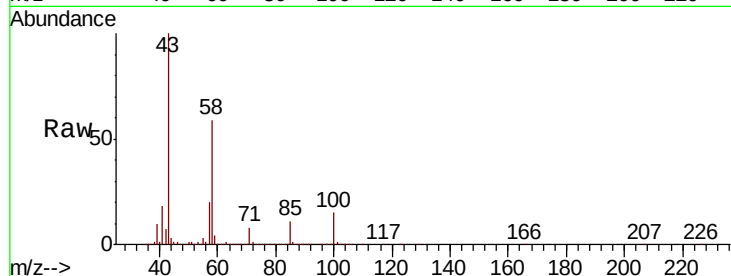




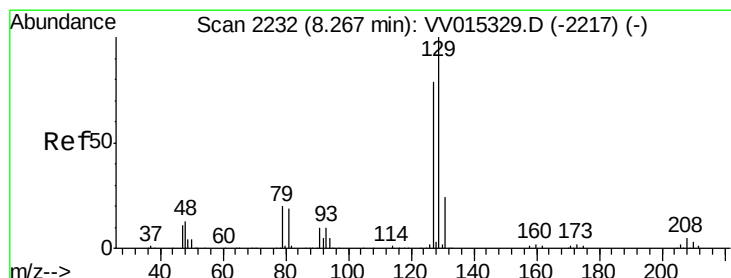
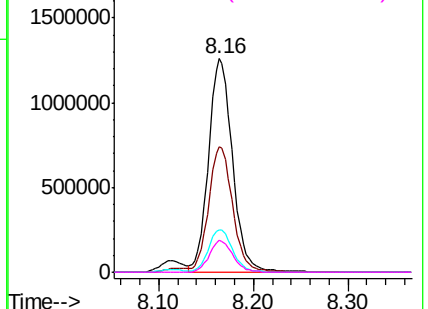
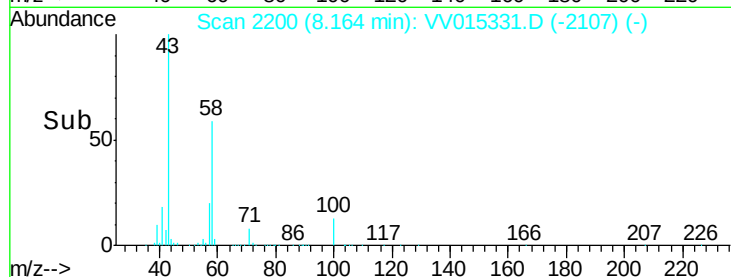
#48
2-Hexanone
Concen: 393.629 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015331.D
Acq: 01 Apr 2020 12:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2205331
Ion Ratio Lower Upper
43 100
58 58.9 47.4 71.2
57 20.2 16.7 25.1
100 14.8 11.5 17.3

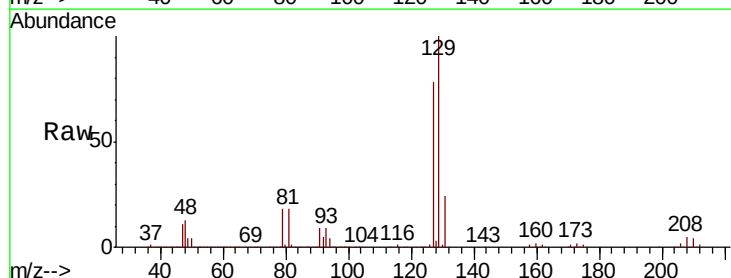


Abundance Ion 43.00 (42.70 to 43.70): VV015331.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV015331.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV015331.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV015331.D (-2107) (-)

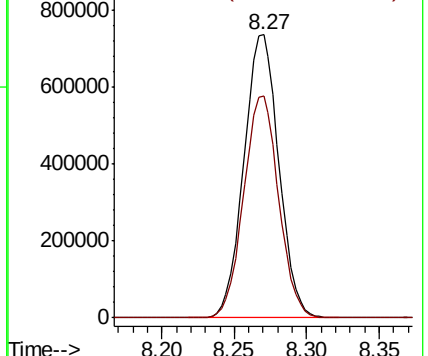
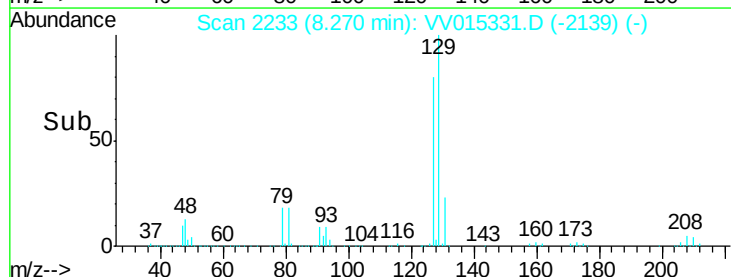


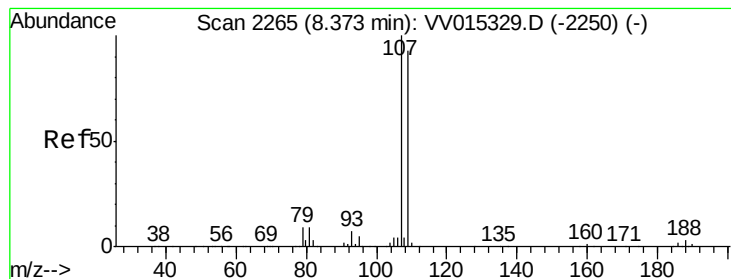
#49
Dibromochloromethane
Concen: 203.697 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015331.D
Acq: 01 Apr 2020 12:22

Tgt Ion: 129 Resp: 1238038
Ion Ratio Lower Upper
129 100
127 78.3 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): VV015331.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV015331.D (-2139) (-)





#50

1,2-Dibromoethane

Concen: 197.035 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

Instrument :
MSVOA_V
ClientSampleId :

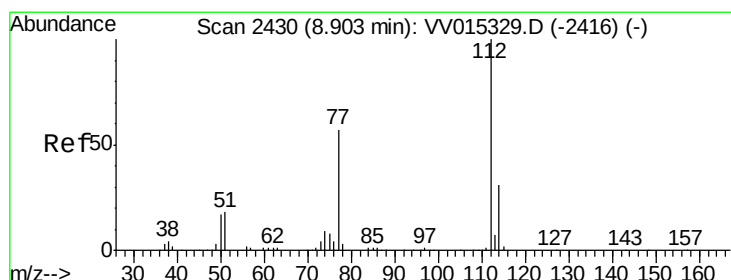
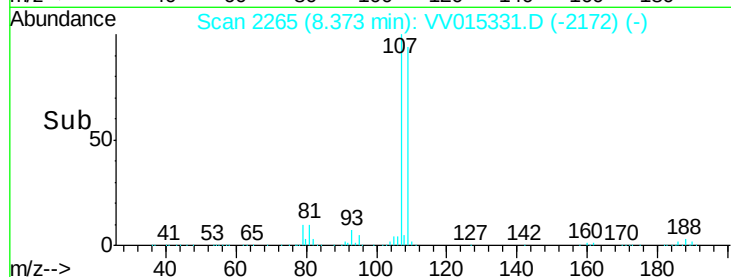
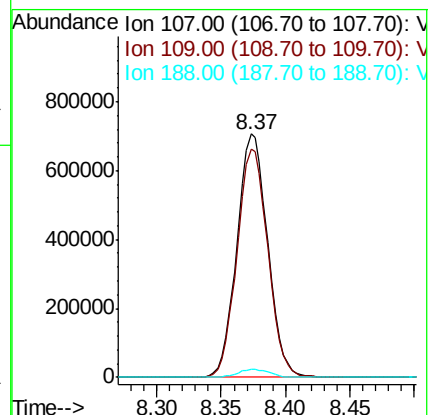
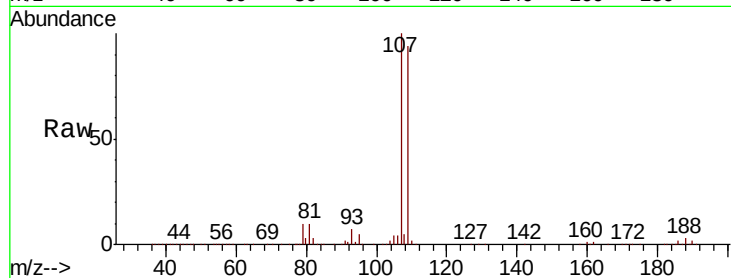
Tot Ion:107 Resp: 1167291

Ion Ratio Lower Upper

107 100

109 93.9 65.0 120.8

188 3.2 2.4 3.6



#51

Chlorobenzene

Concen: 193.481 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

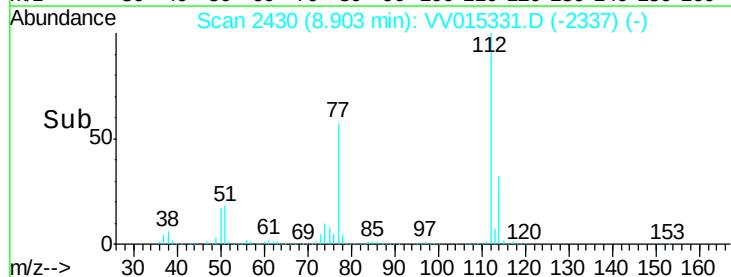
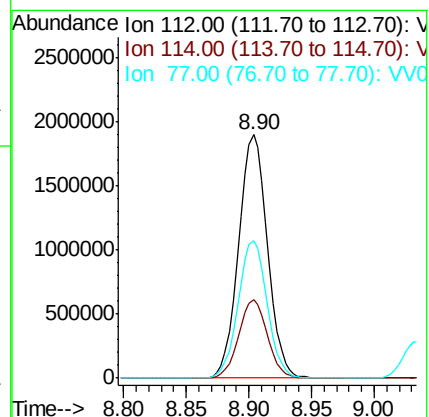
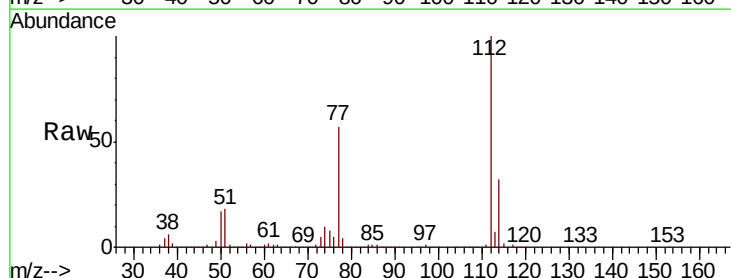
Tgt Ion:112 Resp: 3022002

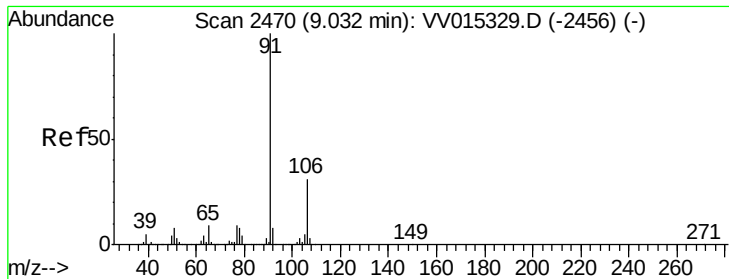
Ion Ratio Lower Upper

112 100

114 32.1 21.8 40.4

77 56.6 46.2 69.2





#52

Ethylbenzene

Concen: 192.451 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

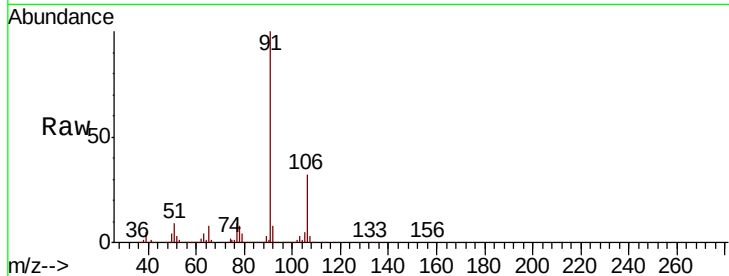
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 5147831

Ion Ratio Lower Upper

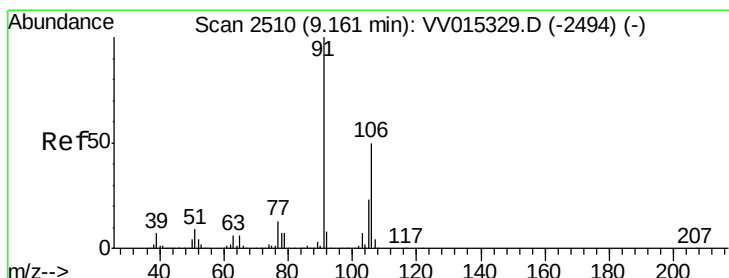
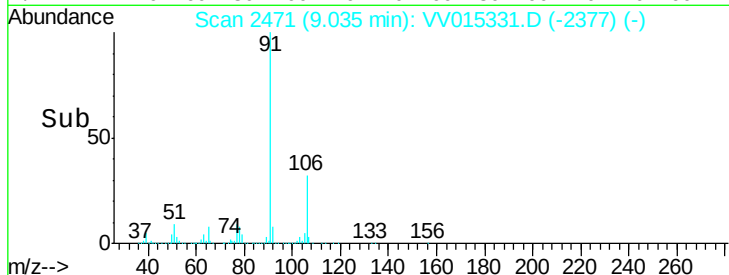
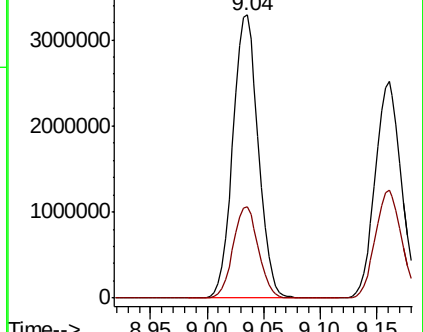
91 100

106 32.2 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV015331.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV015331.D (-2377) (-)



#53

m,p-Xylene

Concen: 196.607 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015331.D

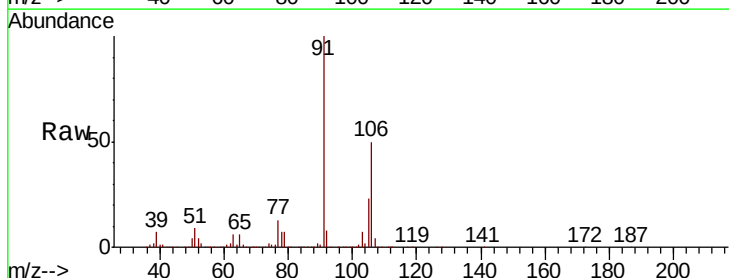
Acq: 01 Apr 2020 12:22

Tgt Ion:106 Resp: 2025050

Ion Ratio Lower Upper

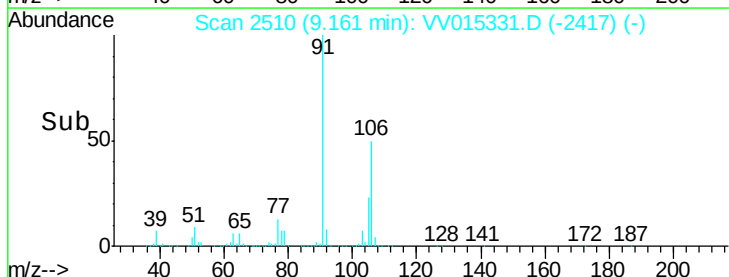
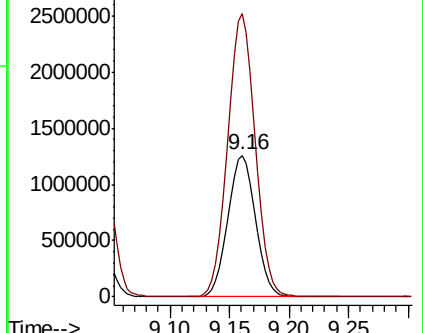
106 100

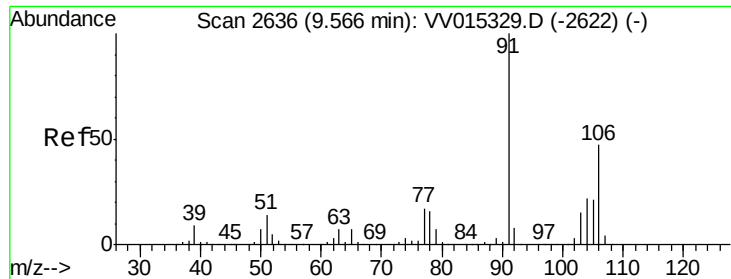
91 200.1 139.7 259.5



Abundance Ion 106.00 (105.70 to 106.70): VV015331.D (-2417) (-)

Ion 91.00 (90.70 to 91.70): VV015331.D (-2417) (-)





#54

o-xylene

Concen: 191.741 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

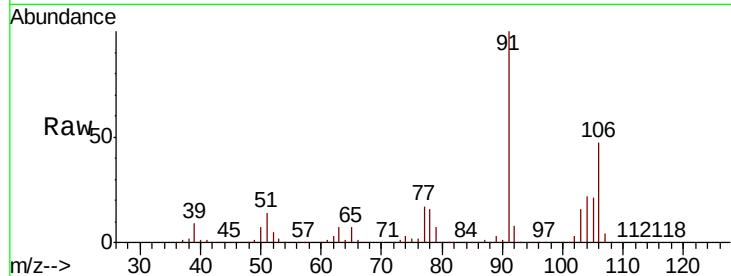
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 1978257

Ion Ratio Lower Upper

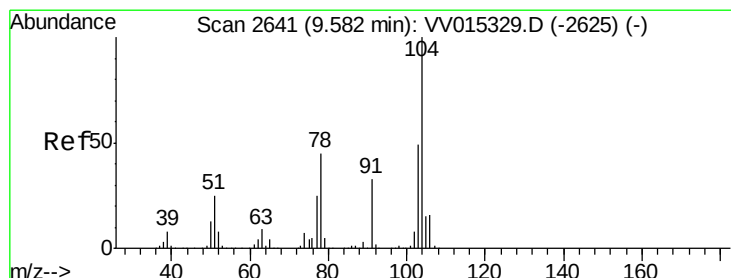
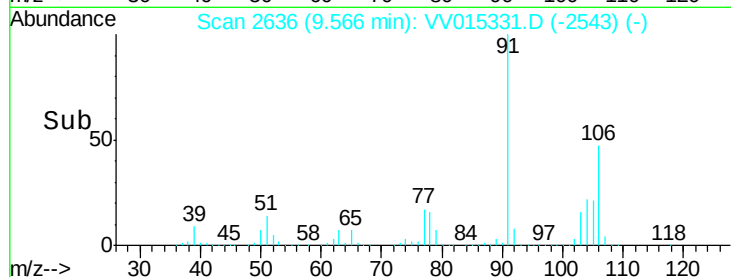
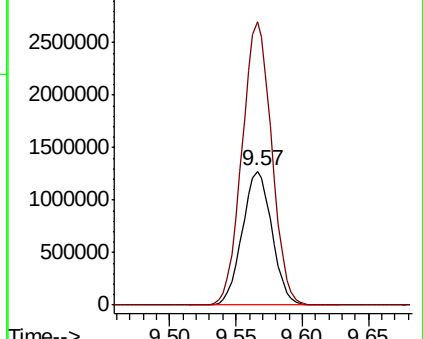
106 100

91 211.7 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 198.467 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015331.D

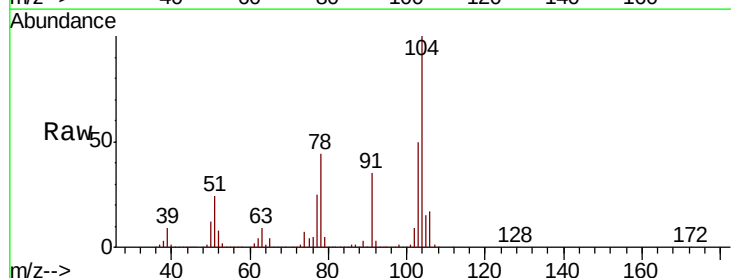
Acq: 01 Apr 2020 12:22

Tgt Ion:104 Resp: 3405017

Ion Ratio Lower Upper

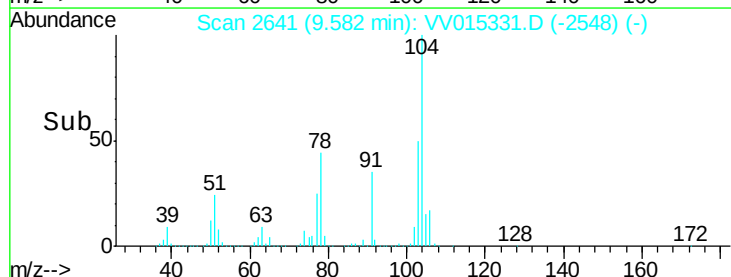
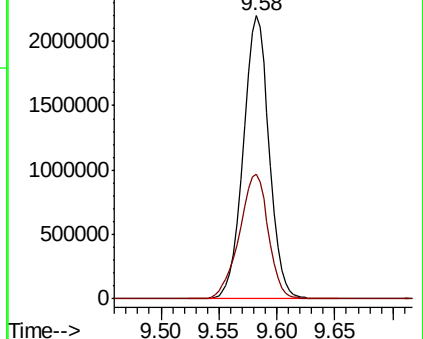
104 100

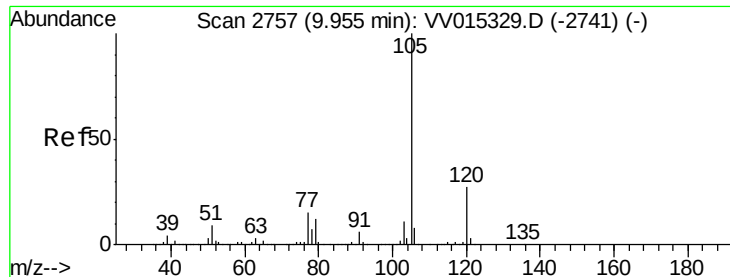
78 44.2 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 193.332 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

Instrument :
MSVOA_V
ClientSampleId :

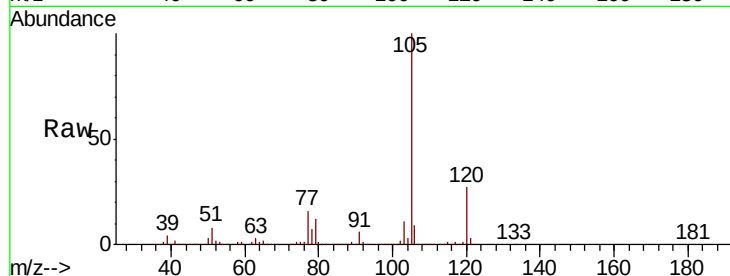
Tot Ion:105 Resp: 5166896

Ion Ratio Lower Upper

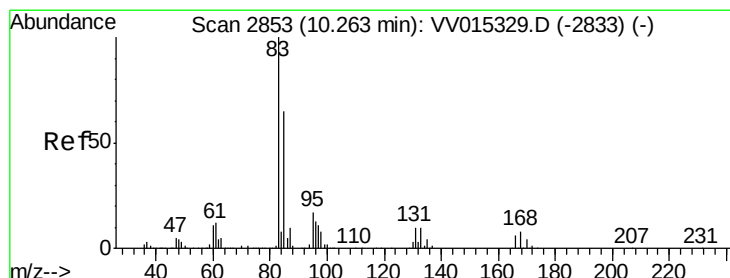
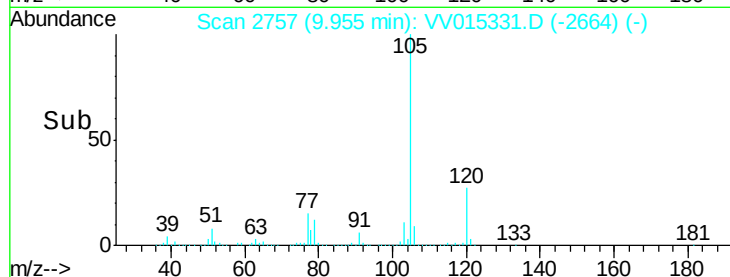
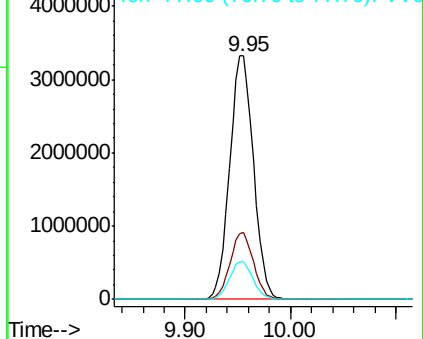
105 100

120 27.0 21.4 32.0

77 15.3 12.4 18.6



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



#58

1,1,2,2-Tetrachloroethane

Concen: 189.413 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

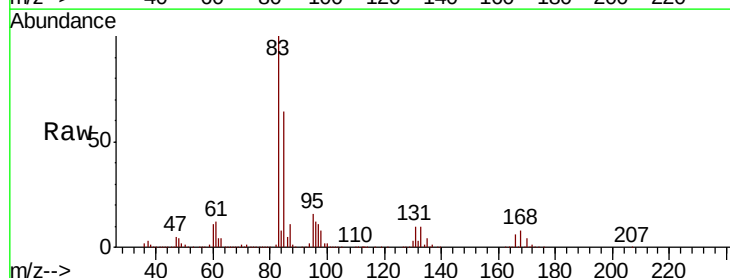
Tgt Ion: 83 Resp: 1687663

Ion Ratio Lower Upper

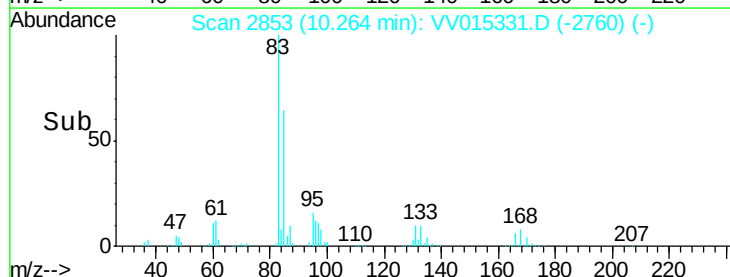
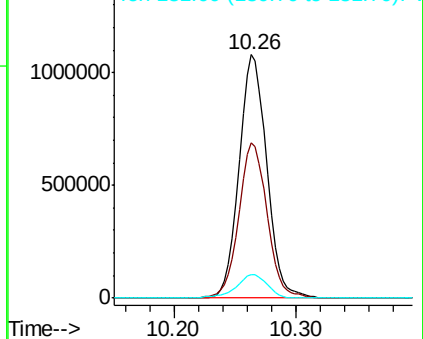
83 100

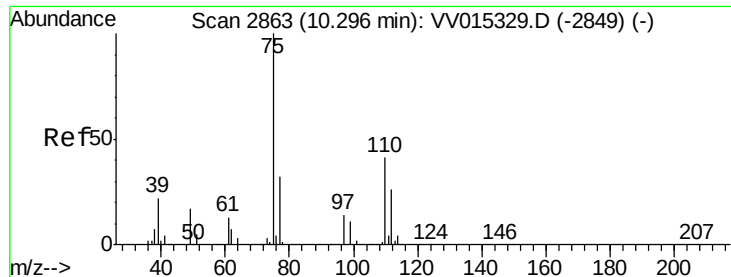
85 63.9 45.4 84.4

131 9.8 8.0 12.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 187.380 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

Instrument :

MSVOA_V

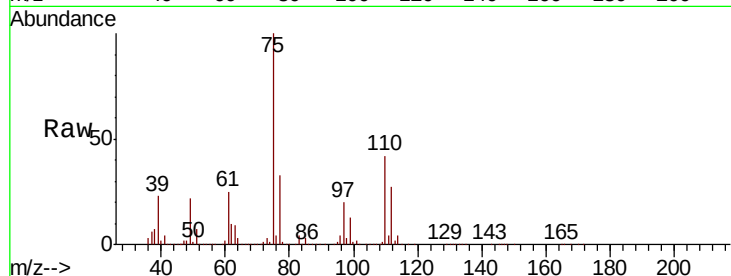
ClientSampleId :

Tot Ion: 75 Resp: 1331586

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV015329.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV015329.D (-2849) (-)

10.30

800000

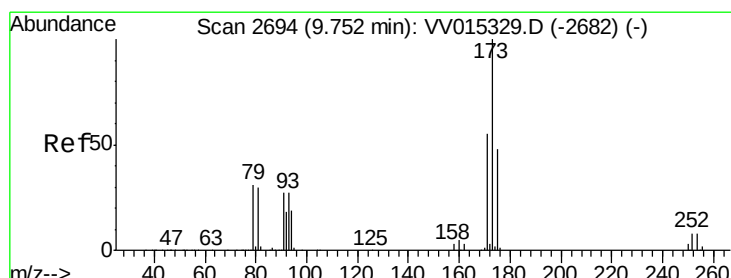
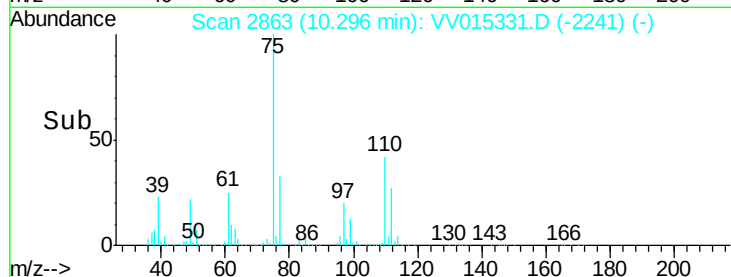
600000

400000

200000

0

Time-->



#61

Bromoform

Concen: 215.658 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

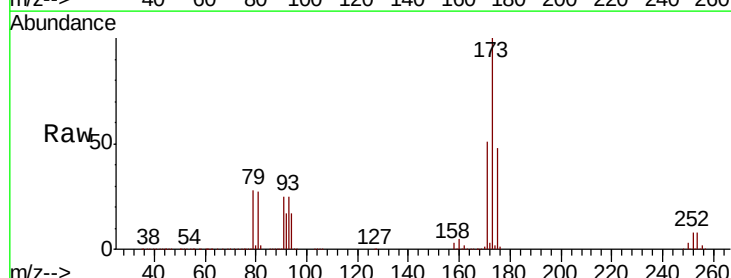
Tgt Ion: 173 Resp: 868272

Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.6

254 7.7 5.9 8.9



Abundance Ion 173.00 (172.70 to 173.70): VV015329.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV015329.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV015329.D (-2682) (-)

9.75

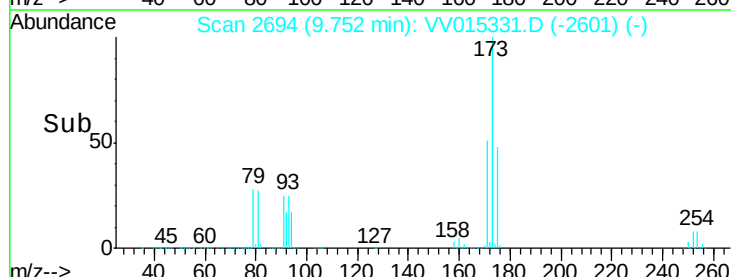
600000

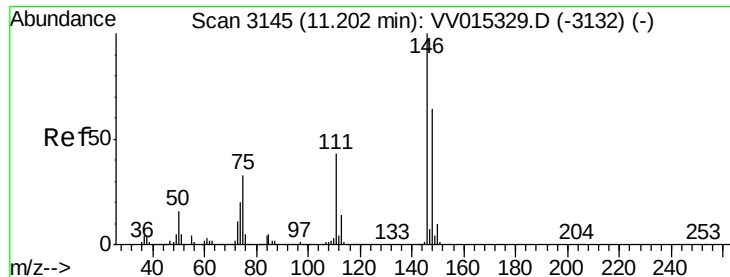
400000

200000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 194.239 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

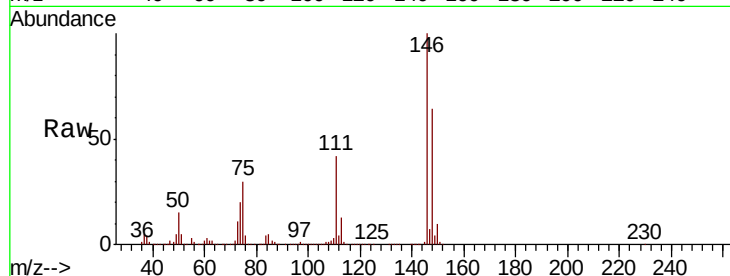
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 2356969

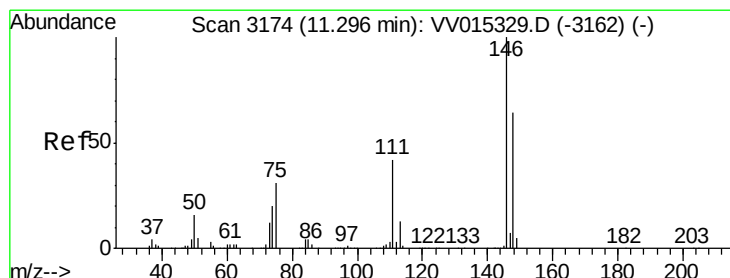
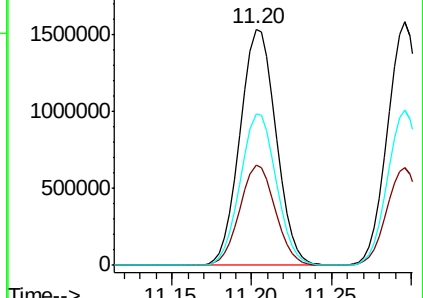
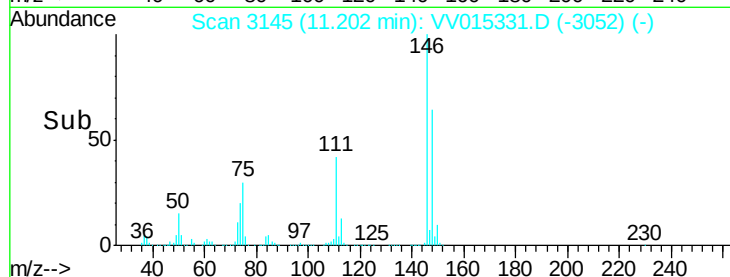
Ion	Ratio	Lower	Upper
146	100		
111	42.2	30.2	56.2
148	64.0	44.7	83.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 193.154 ug/L

RT: 11.30 min Scan# 3174

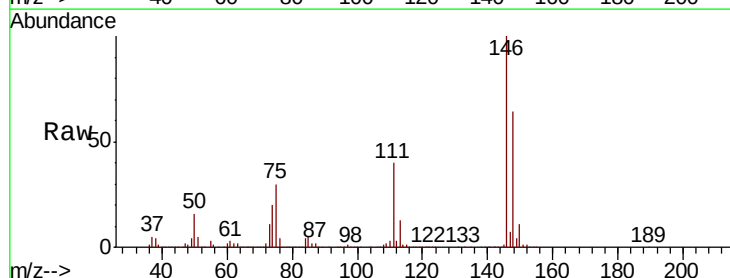
Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

Tgt Ion:146 Resp: 2377078

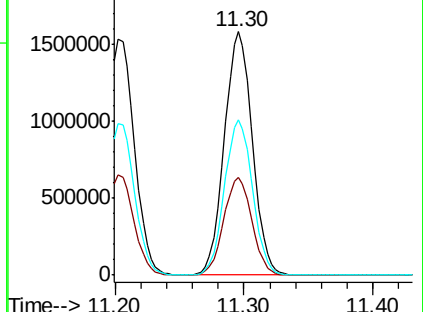
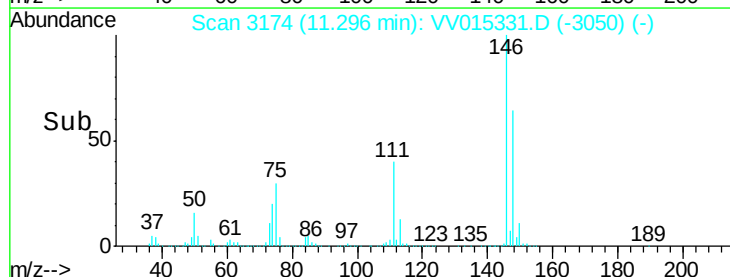
Ion	Ratio	Lower	Upper
146	100		
111	40.1	29.3	54.5
148	63.6	44.7	82.9

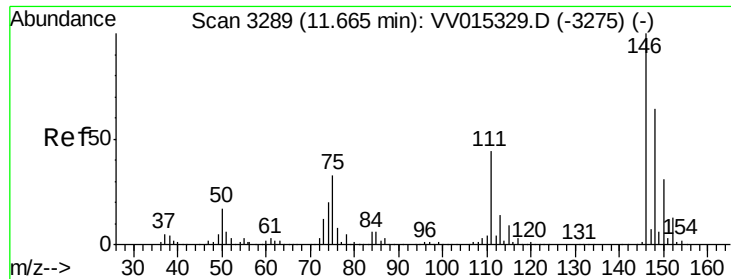


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 189.396 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

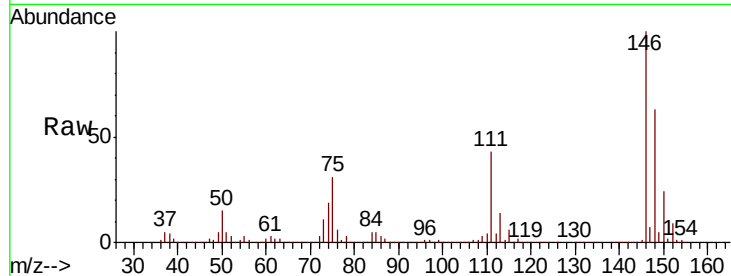
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 2344066

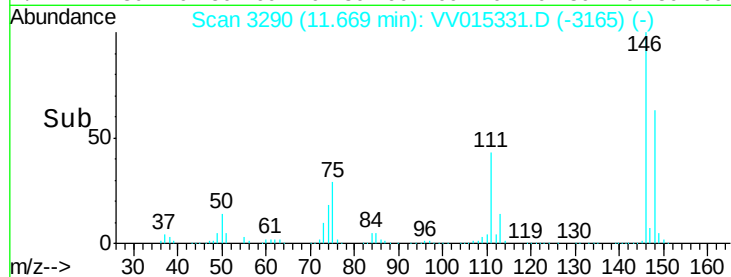
Ion	Ratio	Lower	Upper
146	100		
111	42.9	35.1	52.7
148	63.1	51.0	76.4



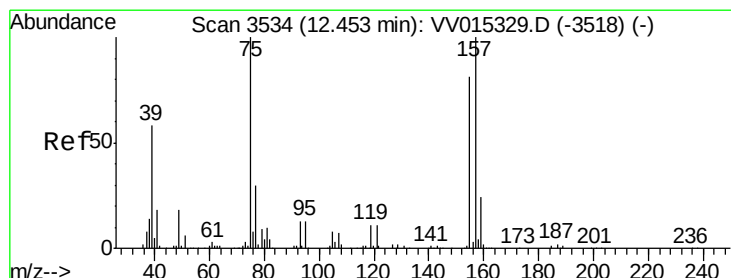
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 183.322 ug/L

RT: 12.45 min Scan# 3534

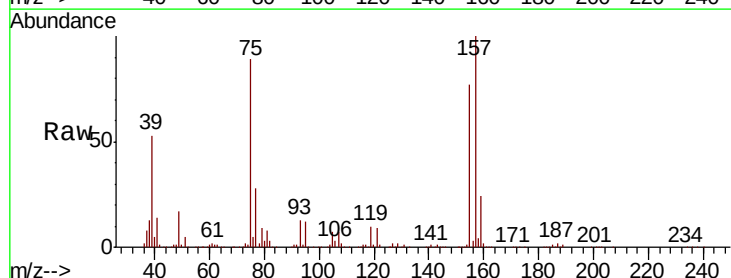
Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

Tgt Ion: 75 Resp: 448013

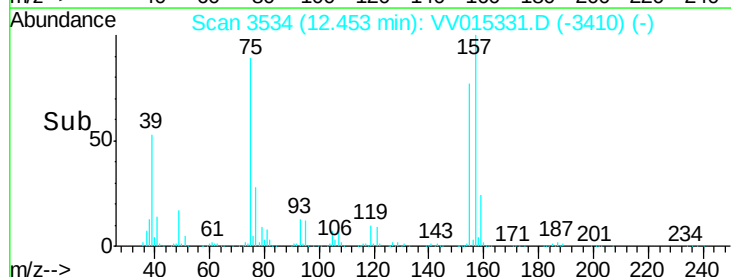
Ion	Ratio	Lower	Upper
75	100		
155	86.8	64.5	96.7
157	112.8	79.8	119.6



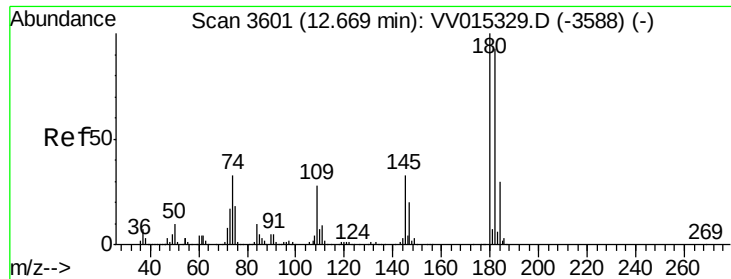
Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



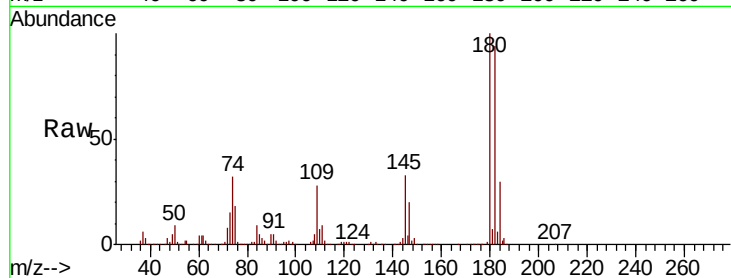
Time-->



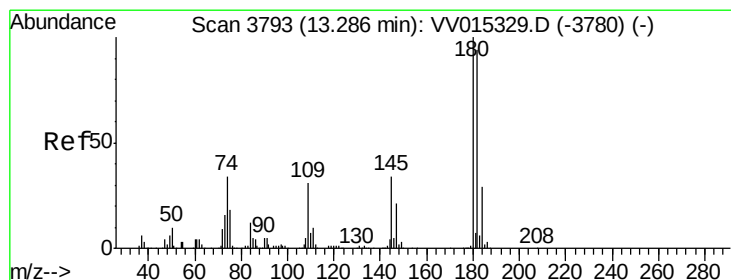
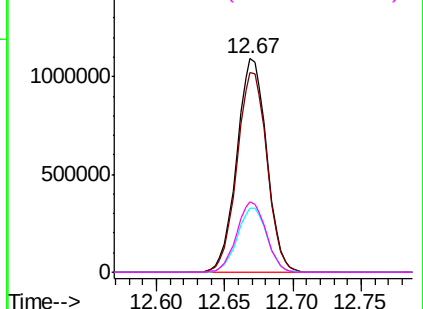
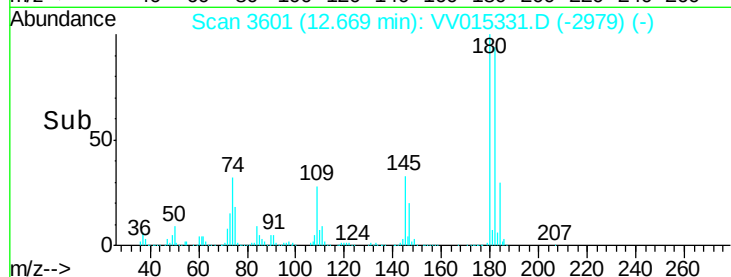
#67
 1,3,5-Trichlorobenzene
 Concen: 205.862 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015331.D
 Acq: 01 Apr 2020 12:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 1655511
 Ion Ratio Lower Upper
 180 100
 182 94.0 74.7 112.1
 184 30.0 23.7 35.5
 145 32.4 26.8 40.2

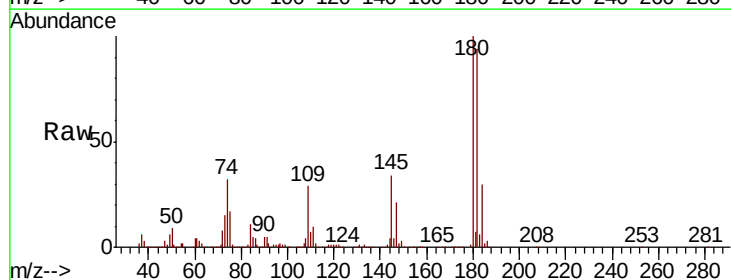


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

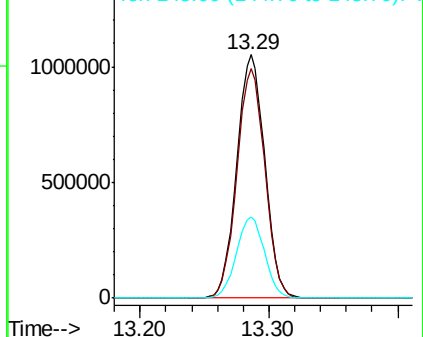
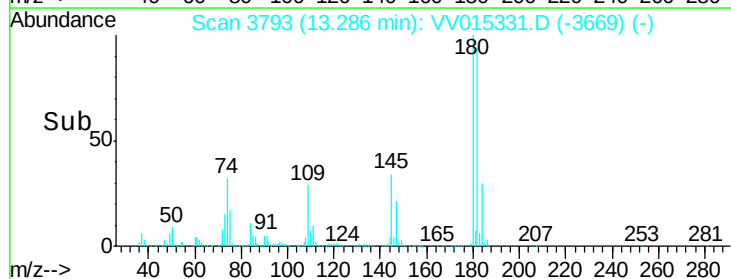


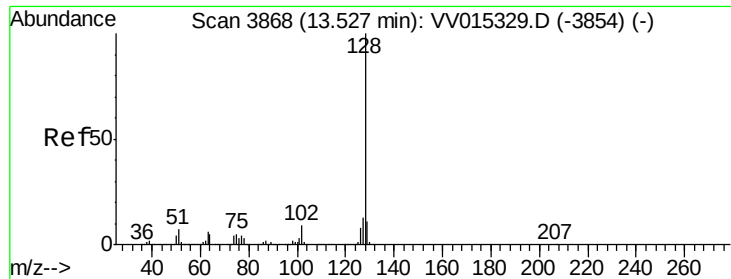
#68
 1,2,4-trichlorobenzene
 Concen: 215.574 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015331.D
 Acq: 01 Apr 2020 12:22

Tgt Ion:180 Resp: 1583529
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.8 113.8
 145 33.4 27.7 41.5



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: 200.603 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

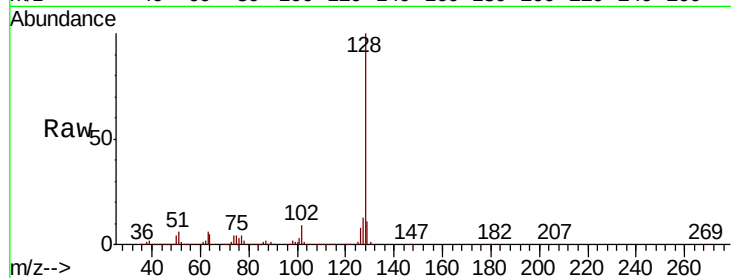
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 5633539

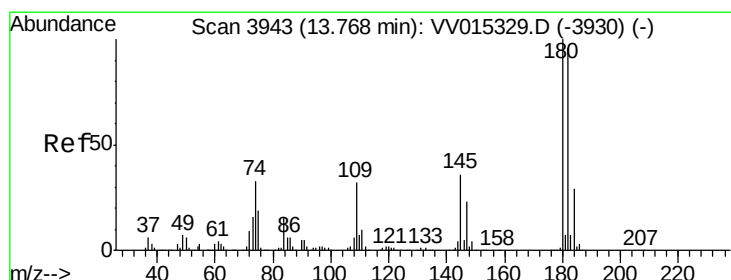
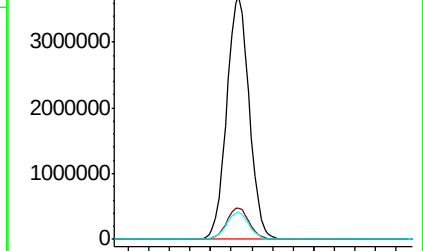
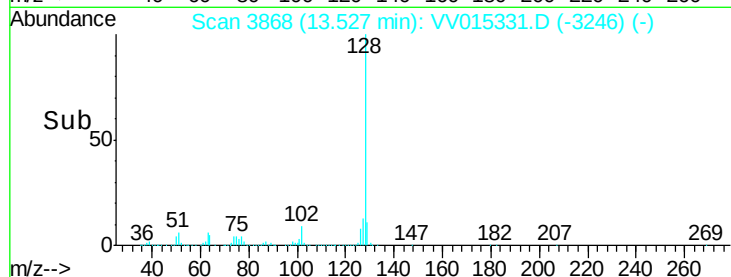
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.2	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

5000000 Ion 127.00 (126.70 to 127.70): V

4000000 Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 206.635 ug/L

RT: 13.77 min Scan# 3943

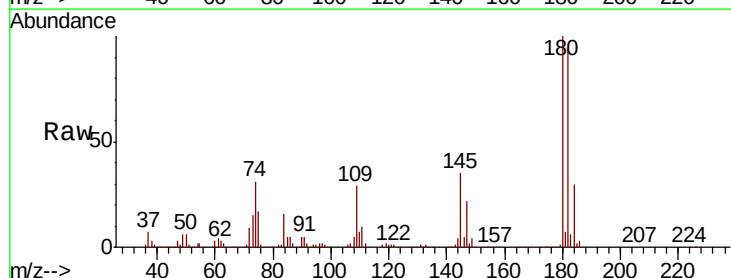
Delta R.T. 0.00 min

Lab File: VV015331.D

Acq: 01 Apr 2020 12:22

Tgt Ion:180 Resp: 1563527

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.1	114.1
145	35.6	28.2	42.4



Abundance Ion 180.00 (179.70 to 180.70): V

1000000 Ion 182.00 (181.70 to 182.70): V

500000 Ion 145.00 (144.70 to 145.70): V

