

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016093.D
 Acq On : 18 May 2020 11:39
 Operator : SY/MD
 Sample : VSTD10064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 19 03:14:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 19 03:10:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	339164	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	335134	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	172421	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	244573	83.03	ug/L	0.00
7) Chloroethane-d5	1.58	69	214467	84.54	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	454495	85.66	ug/L	0.00
21) 2-Butanone-d5	3.93	46	317649	197.48	ug/L	0.00
24) Chloroform-d	4.38	84	478292	96.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	320272	101.02	ug/L	0.00
32) Benzene-d6	5.08	84	928503	90.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	292915	96.07	ug/L	0.00
41) Toluene-d8	7.34	98	890408	90.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	154997	92.49	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	215850	161.78	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	370314	87.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	335768	86.72	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	239340	81.161	ug/L 99
3) Chloromethane	1.25	50	248462	87.854	ug/L 100
5) Vinyl chloride	1.32	62	243714	83.071	ug/L 100
6) Bromomethane	1.53	94	150438	78.854	ug/L 99
8) Chloroethane	1.60	64	156560	77.169	ug/L 100
9) Trichlorofluoromethane	1.77	101	328677	62.154	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	197453	80.145	ug/L 99
12) 1,1-Dichloroethene	2.14	96	183967	79.589	ug/L 94
13) Acetone	2.21	43	253859	231.065	ug/L 99
14) Carbon disulfide	2.31	76	542131	83.626	ug/L 100
15) Methyl Acetate	2.46	43	229637	99.996	ug/L 100
16) Methylene chloride	2.53	84	233486	92.421	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	204924	90.190	ug/L 99
18) Methyl tert-butyl Ether	2.79	73	725080	96.102	ug/L 99
19) 1,1-Dichloroethane	3.22	63	423239	100.206	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	231957	89.304	ug/L 97
22) 2-Butanone	4.01	43	328803	211.309	ug/L 100
23) Bromochloromethane	4.28	128	118849	90.656	ug/L 96
25) Chloroform	4.41	83	436680	95.108	ug/L 99
27) 1,2-Dichloroethane	5.16	62	366445	105.068	ug/L 99
29) Cyclohexane	4.71	56	376363	94.706	ug/L 99
30) 1,1,1-Trichloroethane	4.64	97	390995	91.874	ug/L 99
31) Carbon tetrachloride	4.86	117	331689	91.414	ug/L 99
33) Benzene	5.13	78	908997	92.773	ug/L 100
34) Trichloroethene	5.94	95	228934	88.640	ug/L 99
35) Methylcyclohexane	6.16	83	370823	88.021	ug/L 99
37) 1,2-Dichloropropane	6.20	63	245797	100.545	ug/L 99
38) Bromodichloromethane	6.53	83	330561	94.081	ug/L 99
39) cis-1,3-Dichloropropene	7.05	75	384498	95.057	ug/L 99
40) 4-Methyl-2-pentanone	7.25	43	645070	190.279	ug/L 99

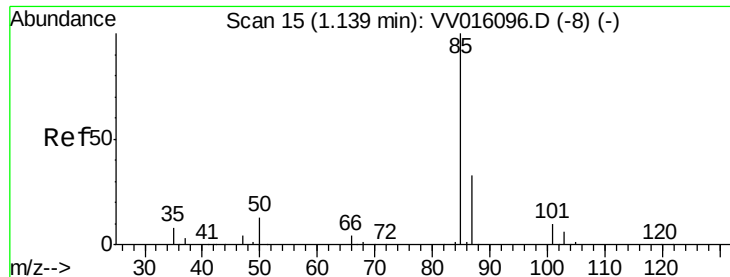
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
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Quant Time: May 19 03:14:59 2020
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 Quant Title : VOC Analysis
 QLast Update : Tue May 19 03:10:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	994840	91.810	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	389615	98.295	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	221968	88.386	ug/L	99
46) Tetrachloroethene	8.00	164	174983	93.718	ug/L	99
48) 2-Hexanone	8.16	43	499852	195.414	ug/L	99
49) Dibromochloromethane	8.27	129	251498	91.430	ug/L	100
50) 1,2-Dibromoethane	8.37	107	232946	87.588	ug/L	98
51) Chlorobenzene	8.90	112	633080	89.408	ug/L	99
52) Ethylbenzene	9.03	91	1141121	93.829	ug/L	99
53) m,p-Xylene	9.16	106	425019	91.330	ug/L	98
54) o-xylene	9.57	106	416261	89.572	ug/L	98
55) Styrene	9.58	104	737171	94.451	ug/L	99
56) Isopropylbenzene	9.95	105	1126608	92.981	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	356860	88.664	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	293588	91.128	ug/L	99
61) Bromoform	9.75	173	166691	89.282	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	505003	88.995	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	515193	89.119	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	508796	88.199	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	82233	74.574	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	354260	93.475	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	328904	95.044	ug/L	99
69) Naphthalene	13.52	128	1021835	80.166	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	331165	92.826	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 81.161 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

Instrument :

MSVOA_V

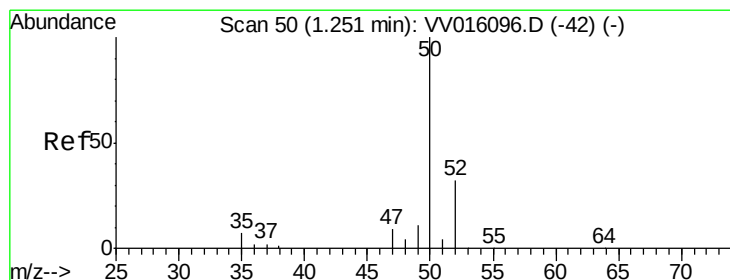
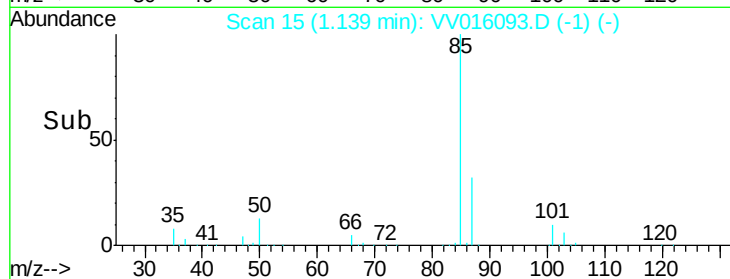
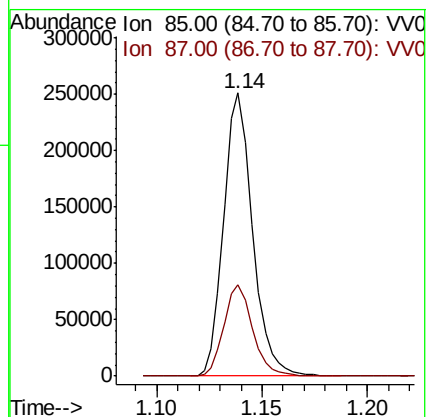
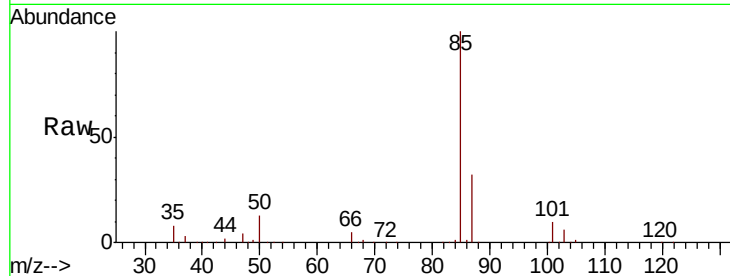
ClientSampled :

Tot Ion: 85 Resp: 239340

Ion Ratio Lower Upper

85 100

87 32.1 26.1 39.1



#3

Chloromethane

Concen: 87.854 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV016093.D

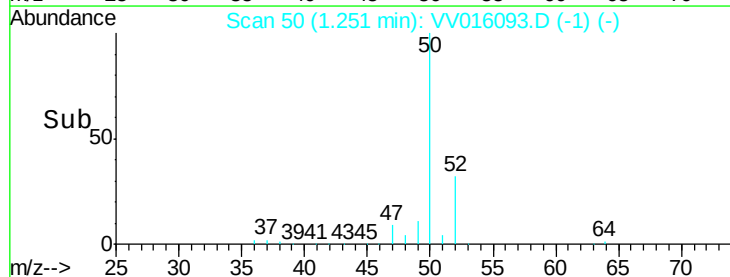
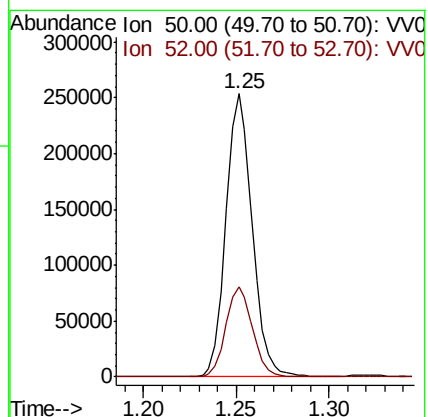
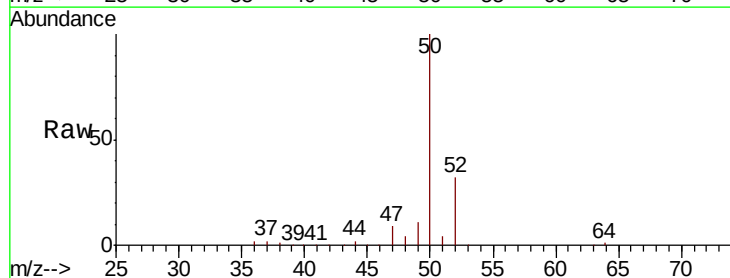
Acq: 18 May 2020 11:39

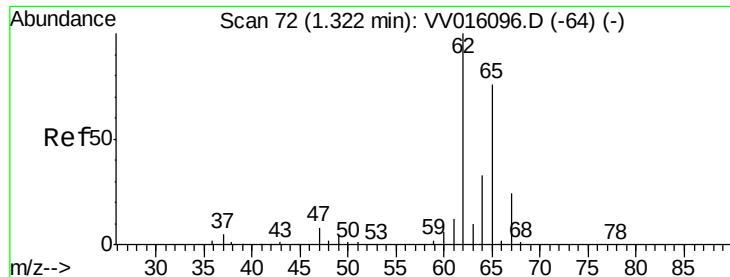
Tgt Ion: 50 Resp: 248462

Ion Ratio Lower Upper

50 100

52 31.9 22.2 41.2





#5

Vinyl chloride

Concen: 83.071 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

Instrument :

MSVOA_V

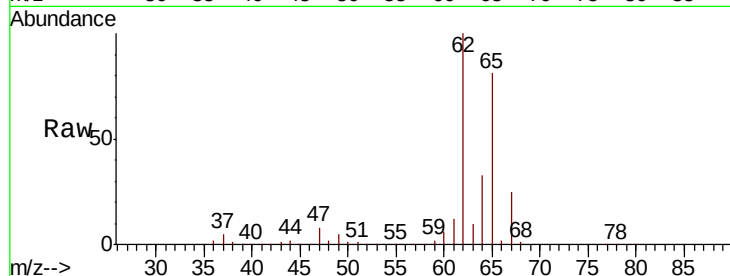
ClientSampleId :

Tot Ion: 62 Resp: 243714

Ion Ratio Lower Upper

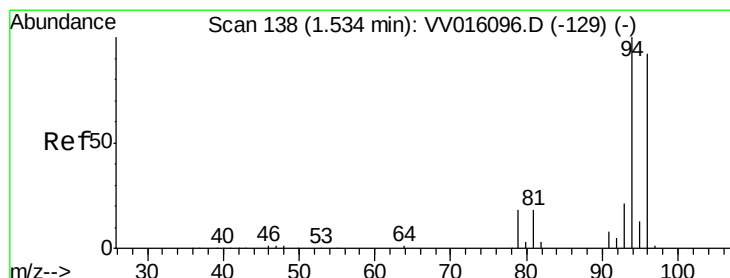
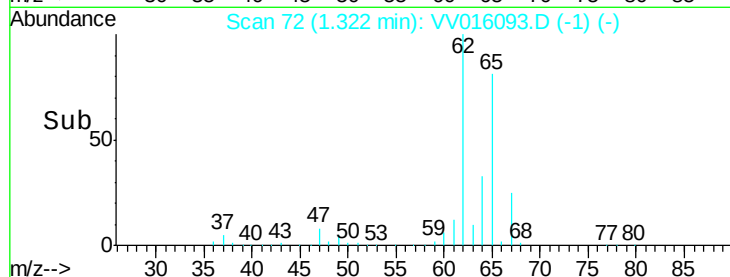
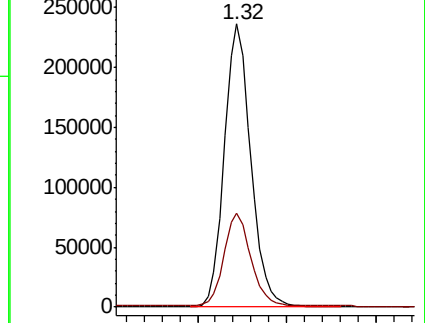
62 100

64 33.3 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 78.854 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV016093.D

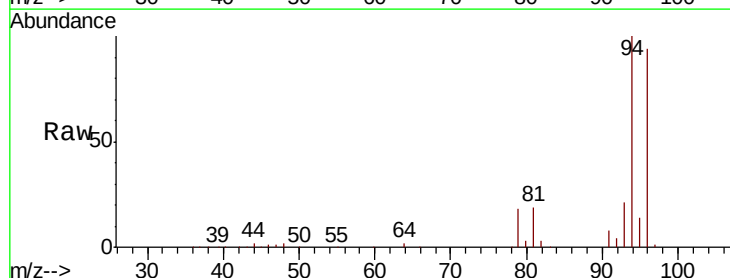
Acq: 18 May 2020 11:39

Tgt Ion: 94 Resp: 150438

Ion Ratio Lower Upper

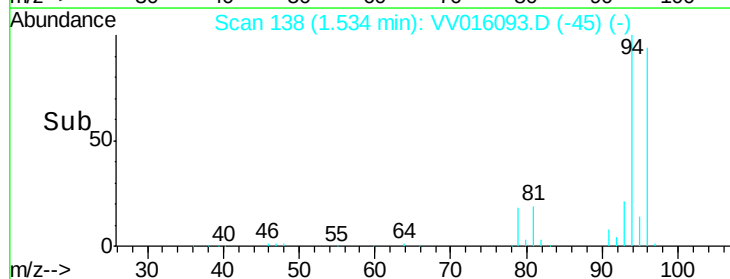
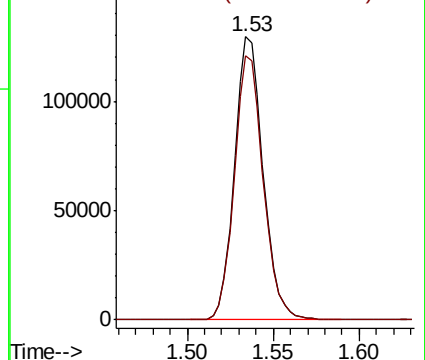
94 100

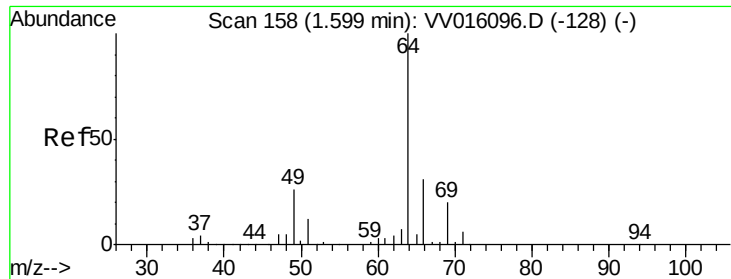
96 93.5 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 77.169 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

Instrument :

MSVOA_V

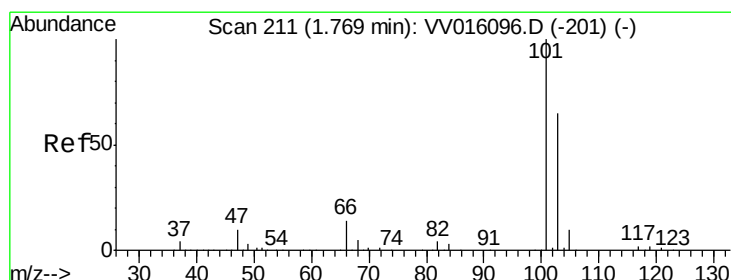
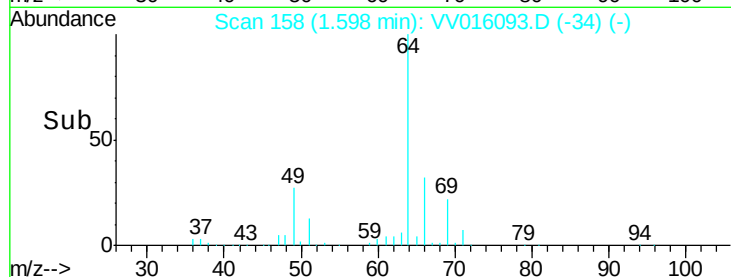
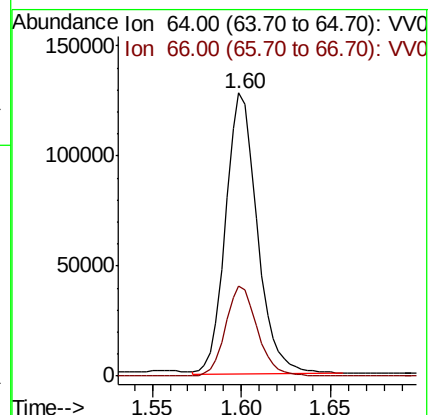
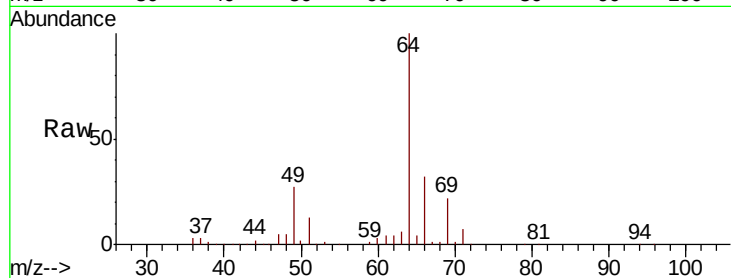
ClientSampled :

Tot Ion: 64 Resp: 156560

Ion Ratio Lower Upper

64 100

66 31.6 22.0 40.8



#9

Trichlorofluoromethane

Concen: 62.154 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV016093.D

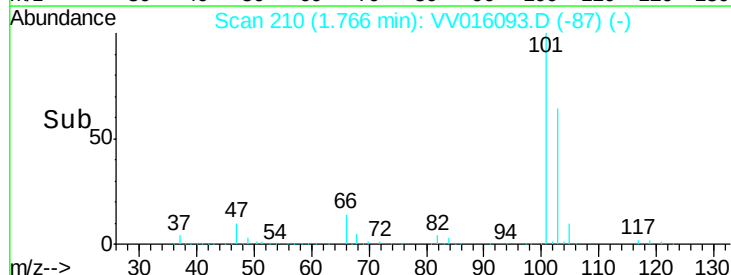
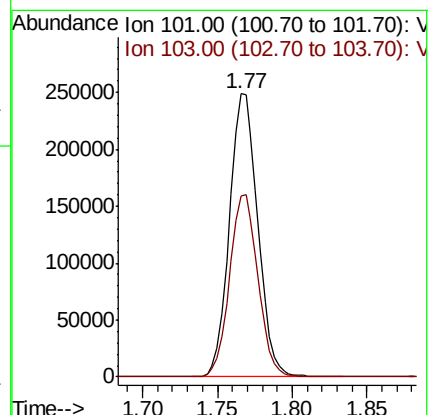
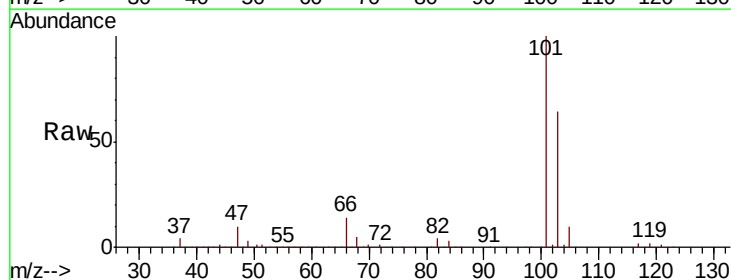
Acq: 18 May 2020 11:39

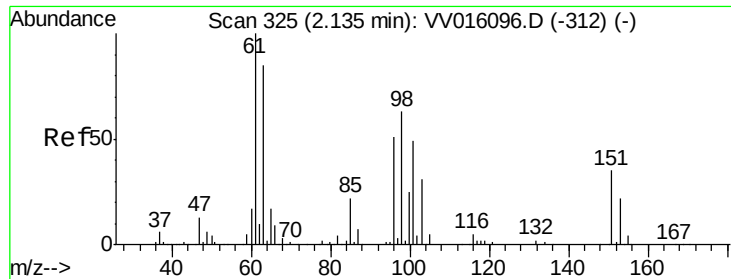
Tgt Ion: 101 Resp: 328677

Ion Ratio Lower Upper

101 100

103 64.3 52.2 78.2





#10

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

Concen: 80.145 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

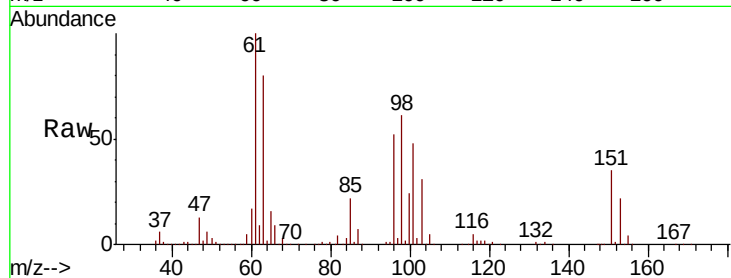
Tot Ion:101 Resp: 197453

Ion Ratio Lower Upper

101 100

85 45.1 36.2 54.4

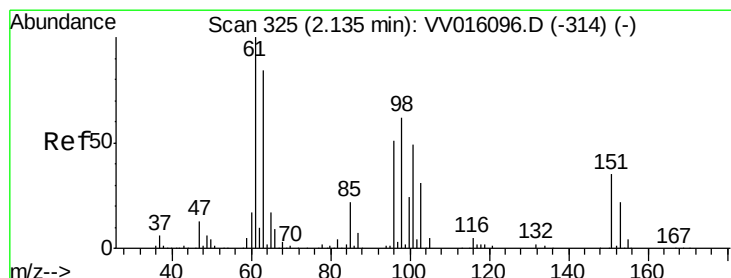
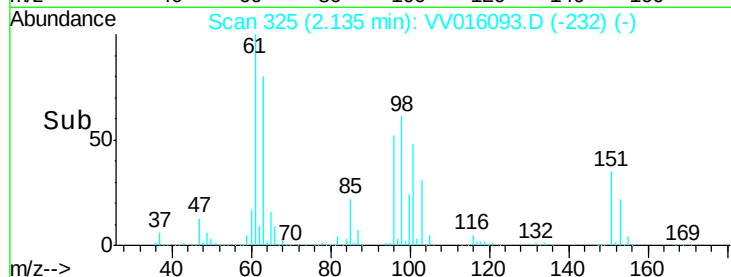
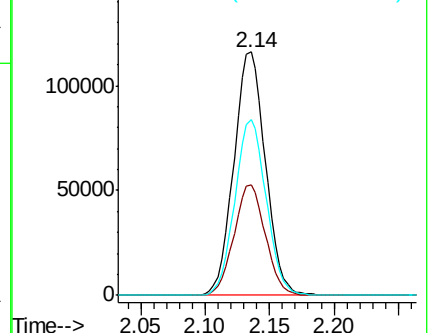
151 71.6 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): VV016093.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV016093.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV016093.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 79.589 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

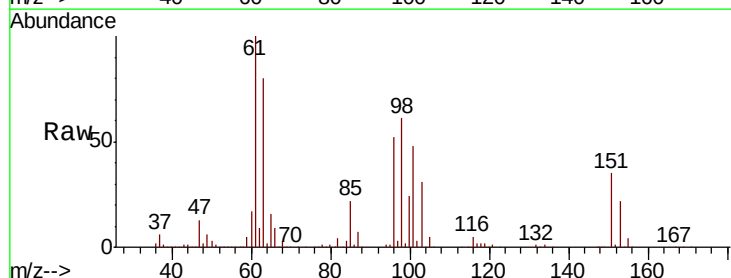
Tgt Ion: 96 Resp: 183967

Ion Ratio Lower Upper

96 100

61 192.0 136.8 254.2

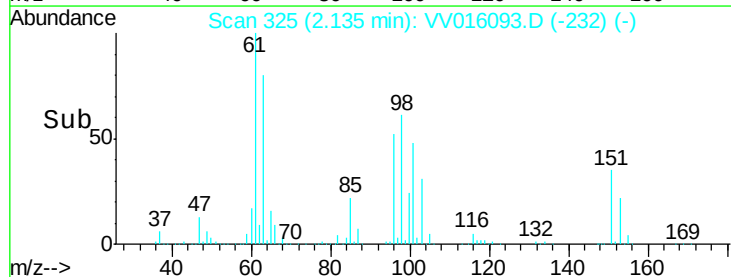
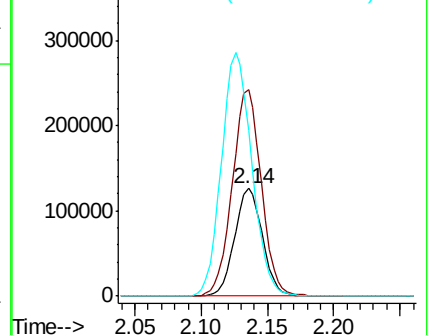
63 153.7 116.6 216.5

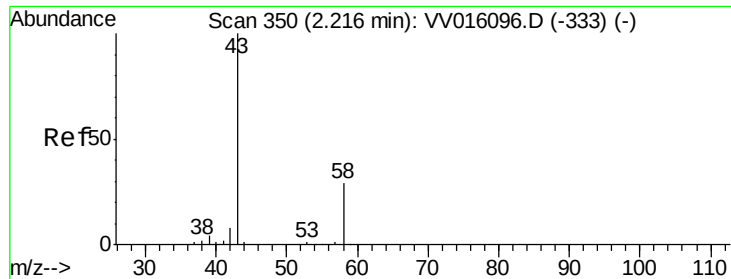


Abundance Ion 96.00 (95.70 to 96.70): VV016093.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV016093.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016093.D (-232) (-)





#13

Acetone

Concen: 231.065 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

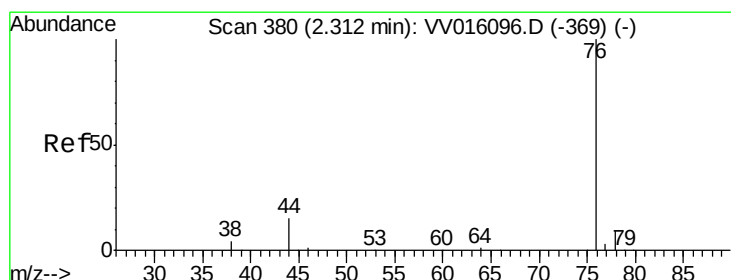
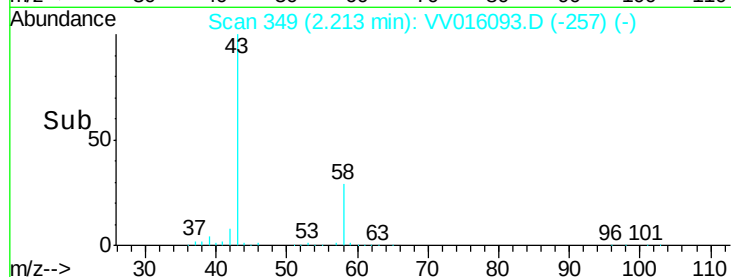
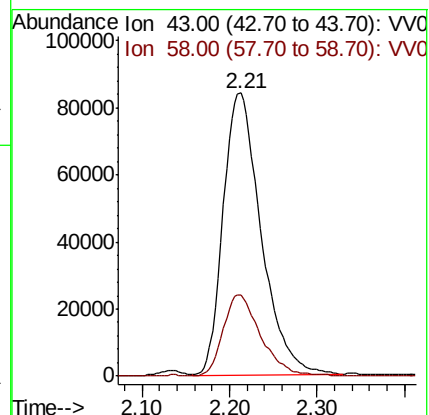
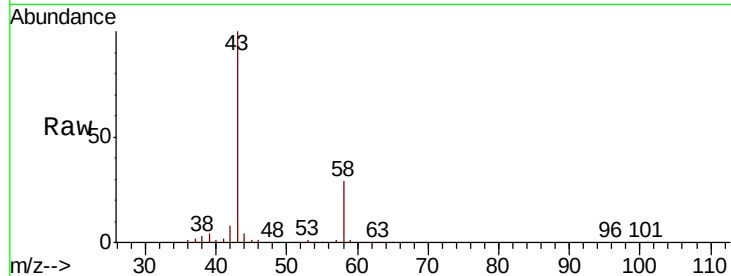
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 253859

Ion Ratio Lower Upper

43 100

58 28.4 0.0 57.8



#14

Carbon disulfide

Concen: 83.626 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV016093.D

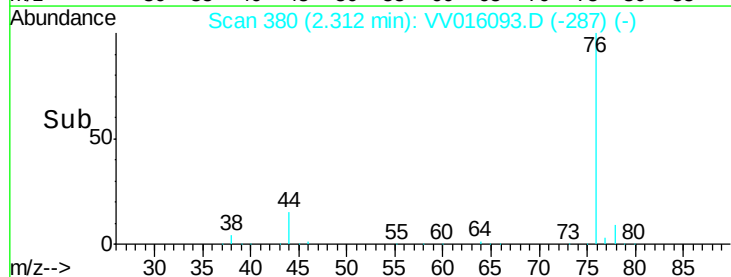
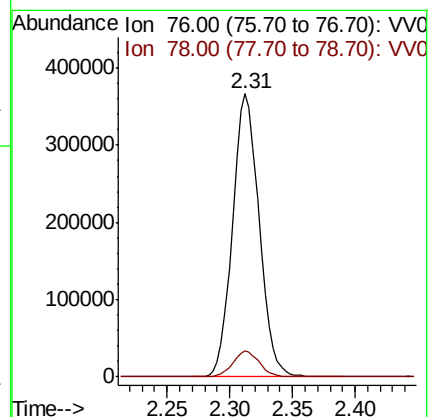
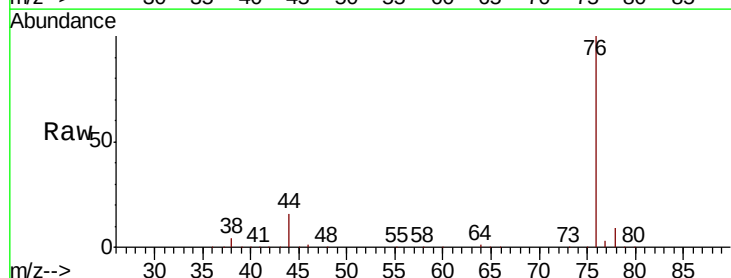
Acq: 18 May 2020 11:39

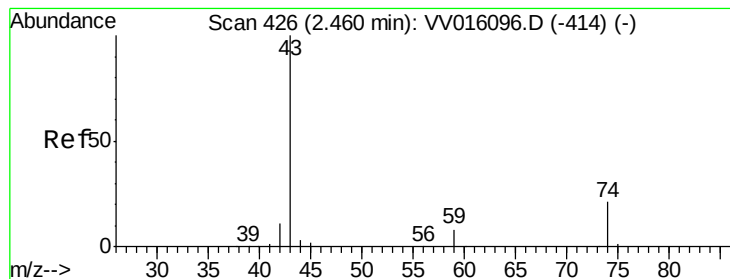
Tgt Ion: 76 Resp: 542131

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methvl Acetate

Concen: 99.996 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

Instrument :

MSVOA_V

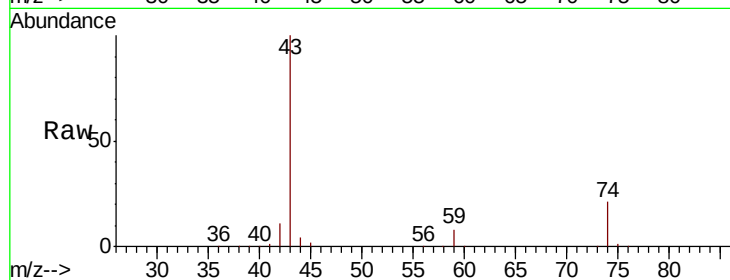
ClientSampleId :

Tot Ion: 43 Resp: 229637

Ion Ratio Lower Upper

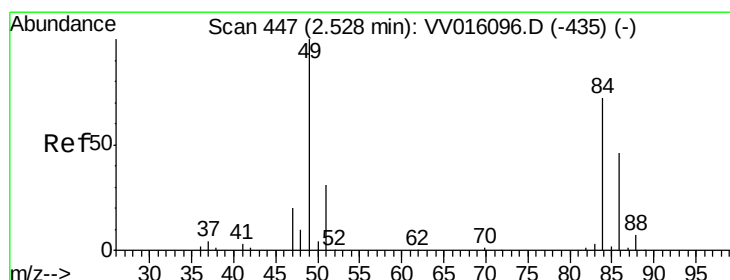
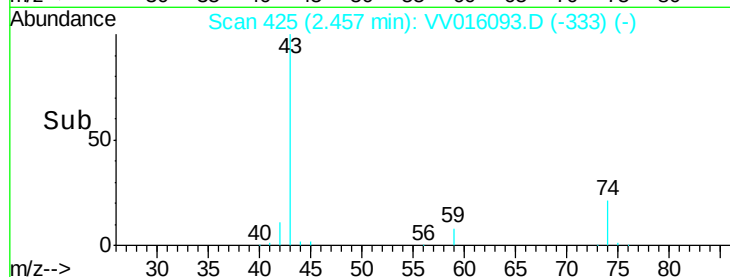
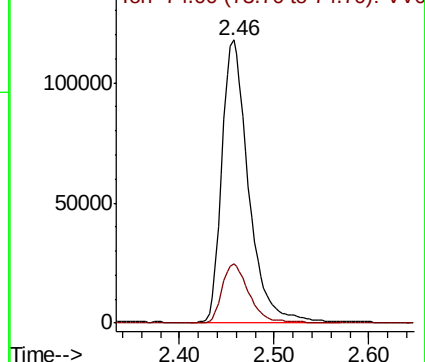
43 100

74 21.6 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 92.421 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

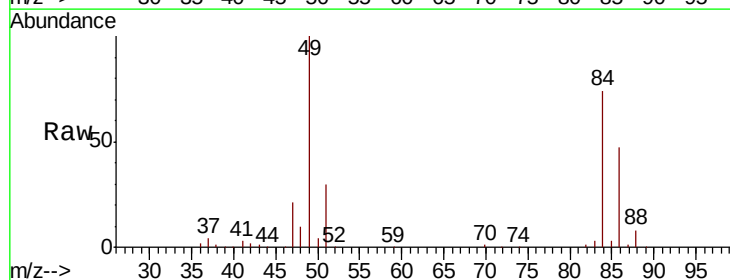
Tgt Ion: 84 Resp: 233486

Ion Ratio Lower Upper

84 100

86 63.9 45.1 83.7

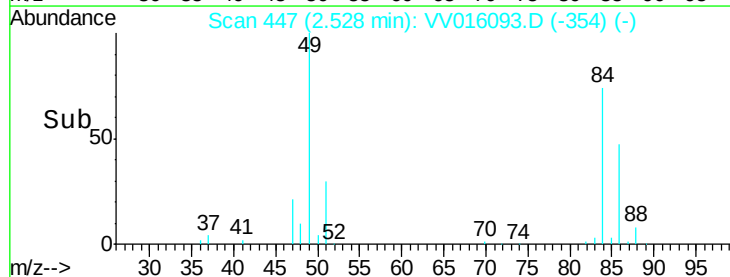
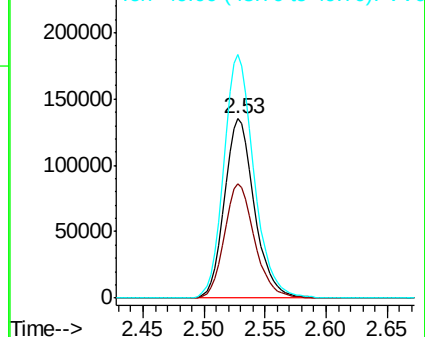
49 135.7 97.8 181.6

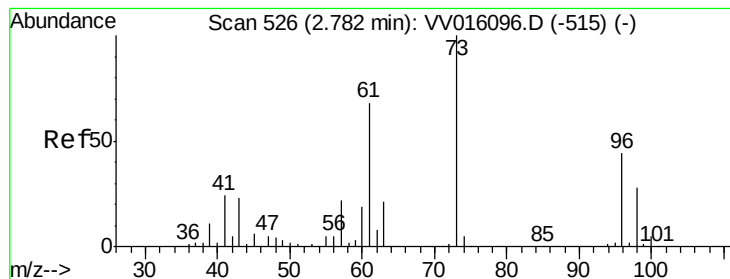


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 90.190 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

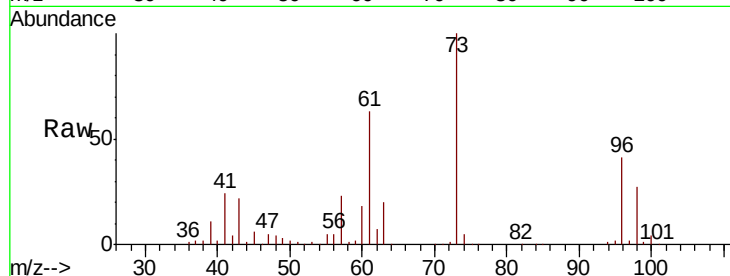
Tot Ion: 96 Resp: 204924

Ion Ratio Lower Upper

96 100

61 152.8 107.1 198.9

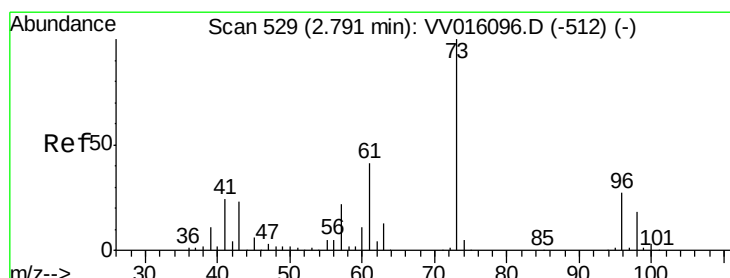
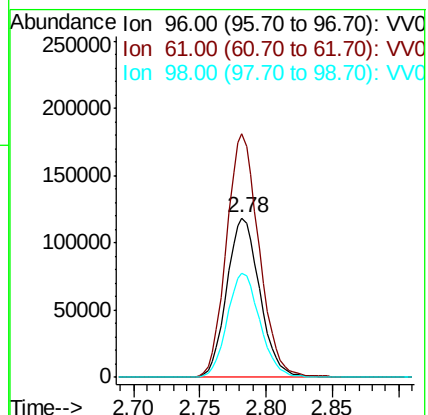
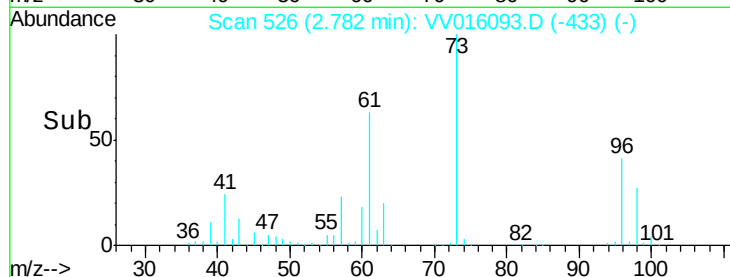
98 65.4 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VV016093.D (-433) (-)

Ion 61.00 (60.70 to 61.70): VV016093.D (-433) (-)

Ion 98.00 (97.70 to 98.70): VV016093.D (-433) (-)



#18

Methyl tert-butyl Ether

Concen: 96.102 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

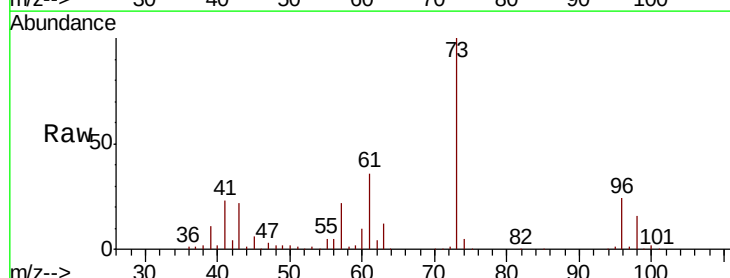
Tgt Ion: 73 Resp: 725080

Ion Ratio Lower Upper

73 100

43 22.4 18.2 27.4

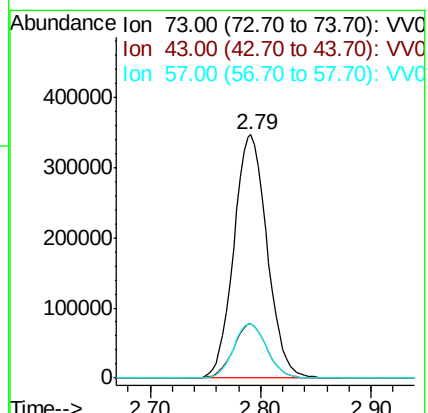
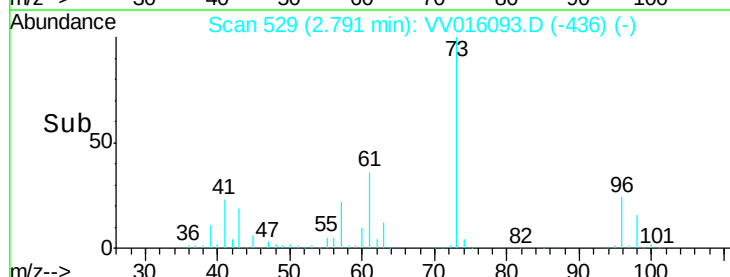
57 22.5 17.9 26.9

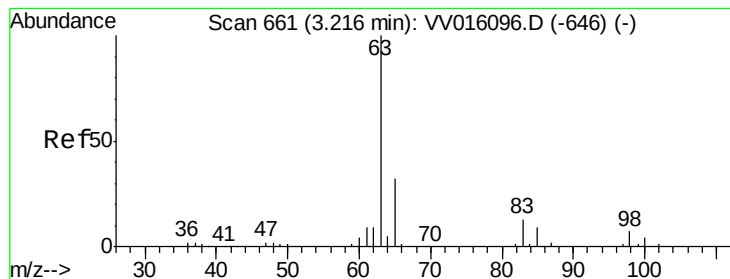


Abundance Ion 73.00 (72.70 to 73.70): VV016093.D (-436) (-)

Ion 43.00 (42.70 to 43.70): VV016093.D (-436) (-)

Ion 57.00 (56.70 to 57.70): VV016093.D (-436) (-)





#19

1,1-Dichloroethane

Concen: 100.206 ug/L

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

Instrument :
MSVOA_V
ClientSampled :

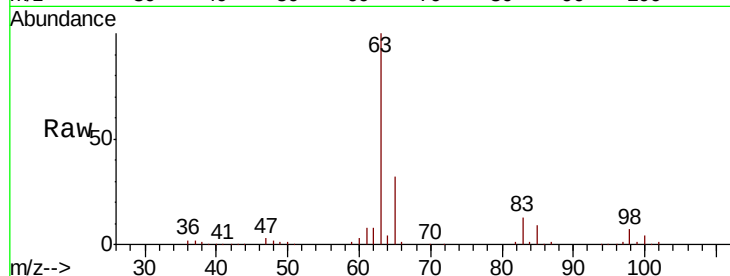
Tot Ion: 63 Resp: 423239

Ion Ratio Lower Upper

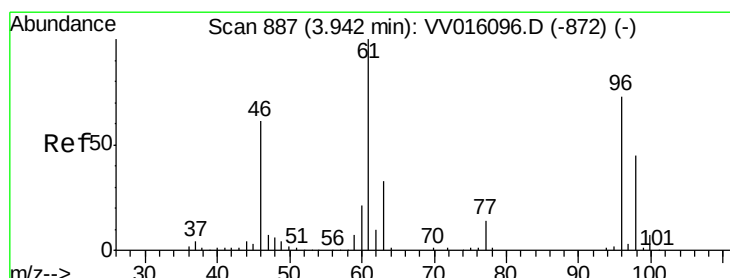
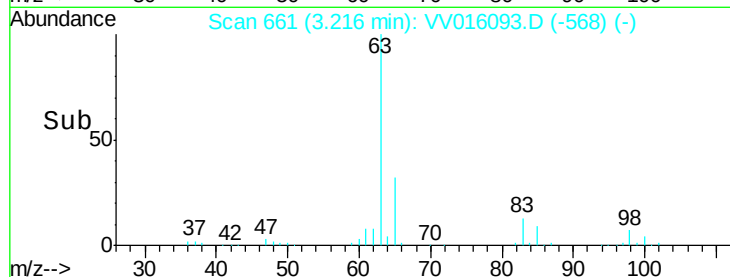
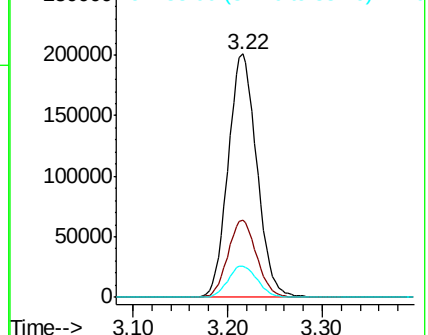
63 100

65 31.9 22.5 41.9

83 12.9 9.2 17.2



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: 89.304 ug/L

RT: 3.94 min Scan# 887

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

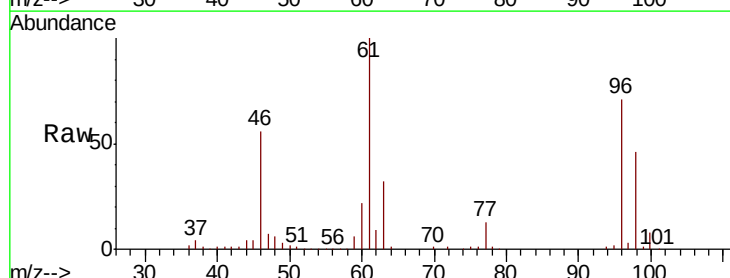
Tgt Ion: 96 Resp: 231957

Ion Ratio Lower Upper

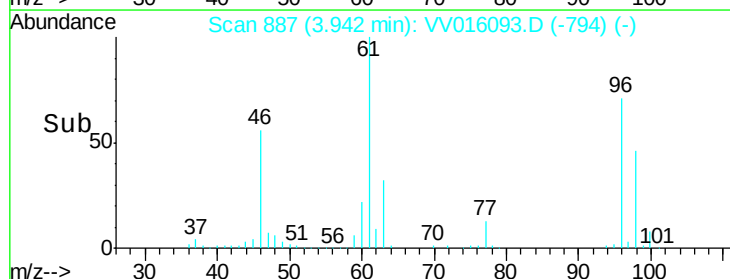
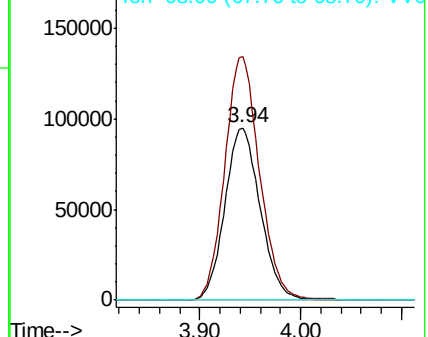
96 100

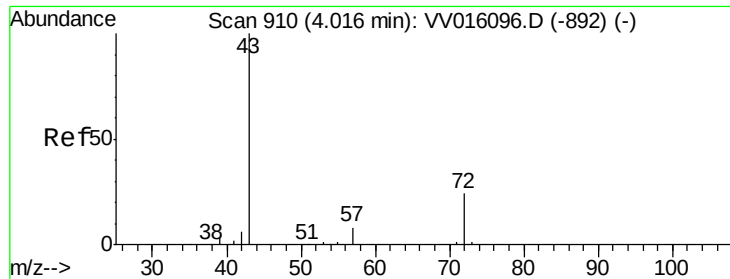
61 141.3 96.5 179.3

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: 211.309 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.01 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

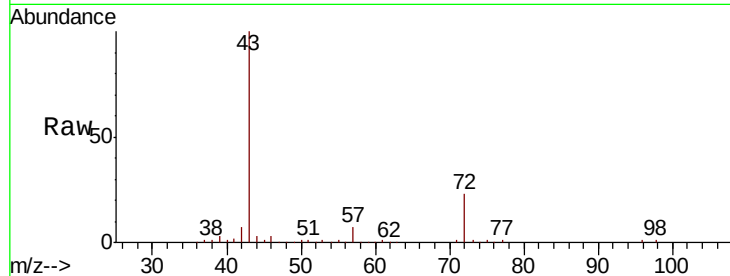
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 328803

Ion Ratio Lower Upper

43 100

72 22.3 11.3 33.8



Abundance Ion 43.00 (42.70 to 43.70): VV016093.D (-817) (-)

Ion 72.00 (71.70 to 72.70): VV016093.D (-817) (-)

4.01

120000

100000

80000

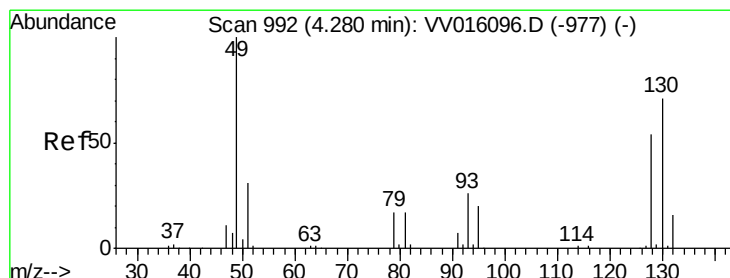
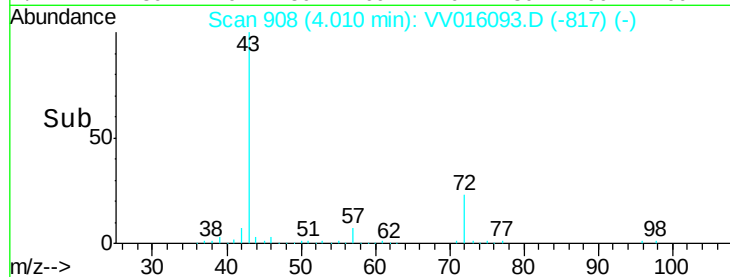
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 90.656 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

Tgt Ion: 128 Resp: 118849

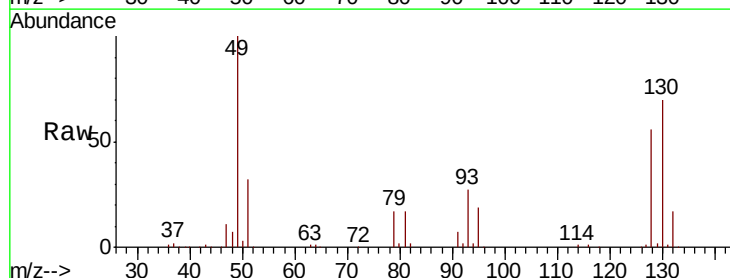
Ion Ratio Lower Upper

128 100

49 178.9 130.1 241.7

130 125.1 91.4 169.8

51 56.6 45.9 68.9



Abundance Ion 128.00 (127.70 to 128.70): VV016093.D (-899) (-)

Ion 49.00 (48.70 to 49.70): VV016093.D (-899) (-)

Ion 130.00 (129.70 to 130.70): VV016093.D (-899) (-)

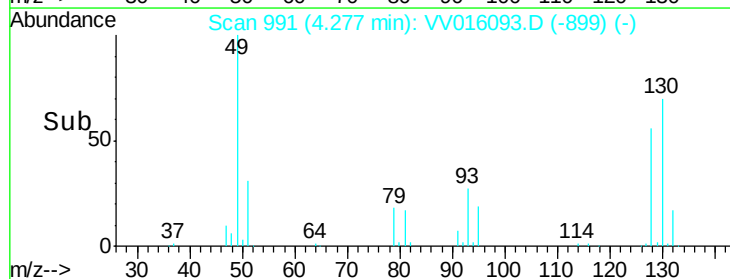
Ion 51.00 (50.70 to 51.70): VV016093.D (-899) (-)

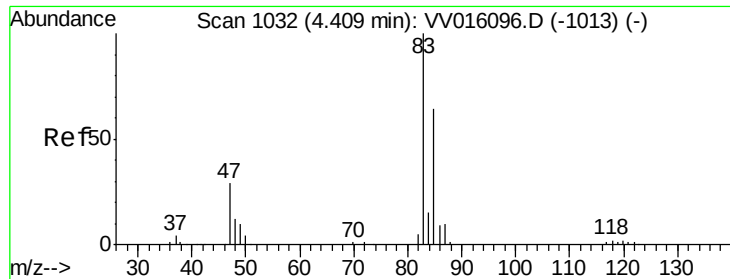
100000

50000

0

Time-->

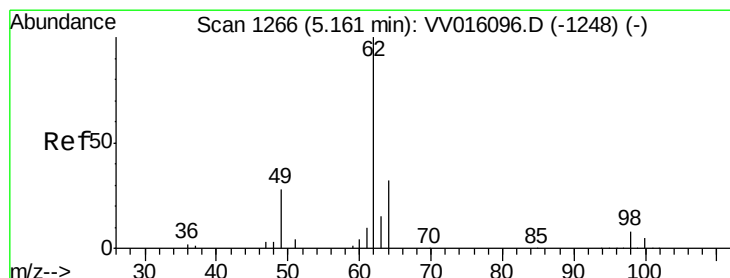
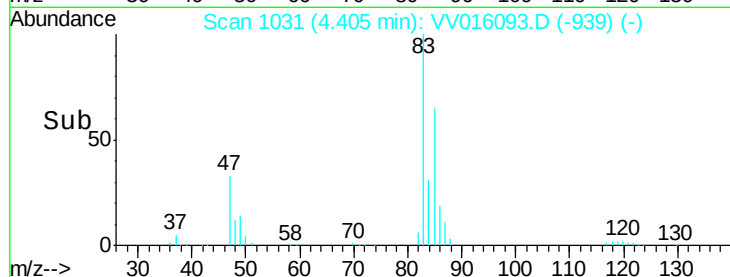
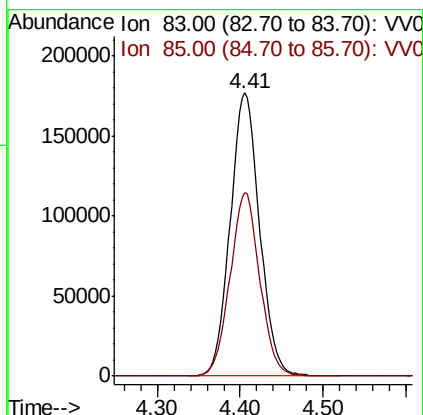
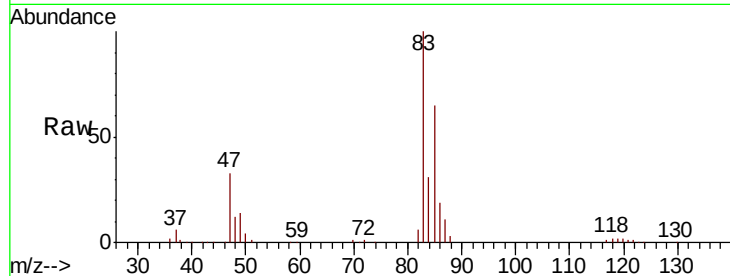




#25
Chloroform
Concen: 95.108 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV016093.D
Acq: 18 May 2020 11:39

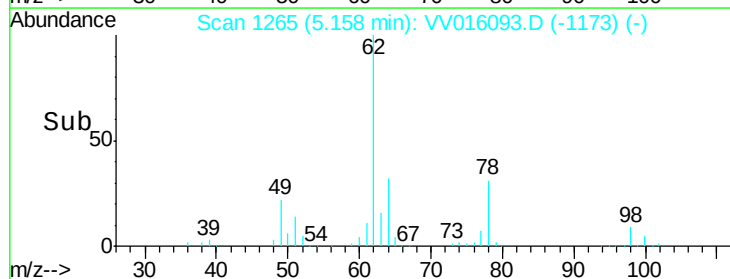
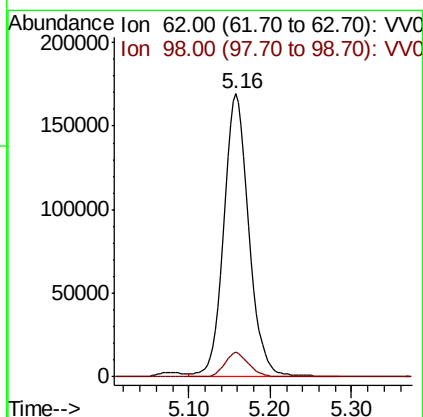
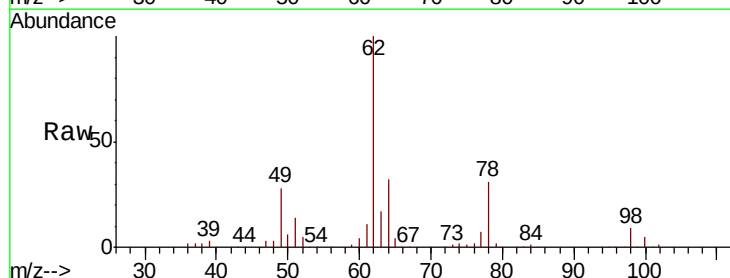
Instrument :
MSVOA_V
ClientSampleId :

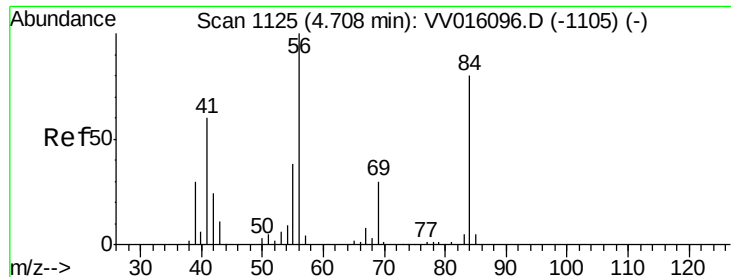
Tot Ion: 83 Resp: 436680
Ion Ratio Lower Upper
83 100
85 64.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 105.068 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV016093.D
Acq: 18 May 2020 11:39

Tgt Ion: 62 Resp: 366445
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0

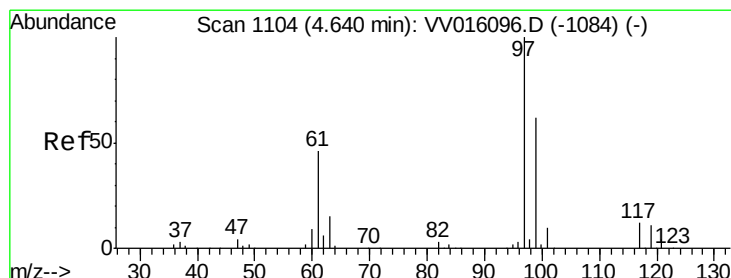
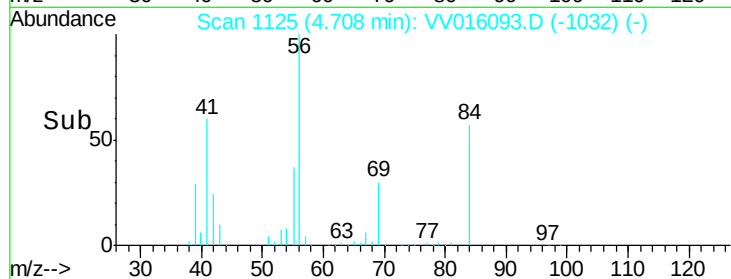
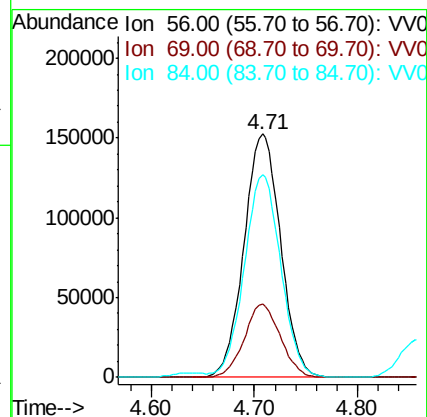
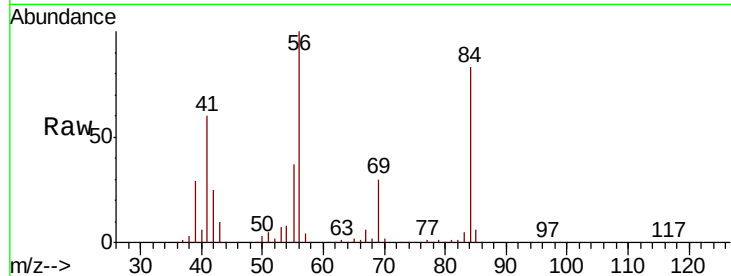




#29
Cyclohexane
Concen: 94.706 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VV016093.D
Acq: 18 May 2020 11:39

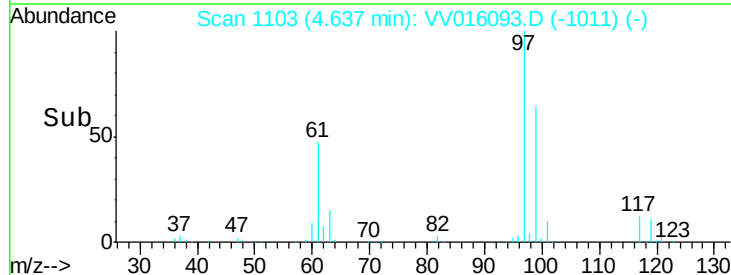
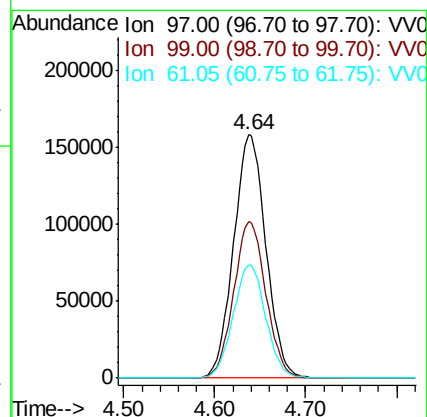
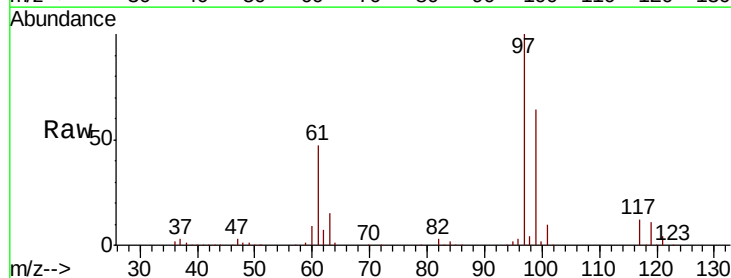
Instrument :
MSVOA_V
ClientSampleId :

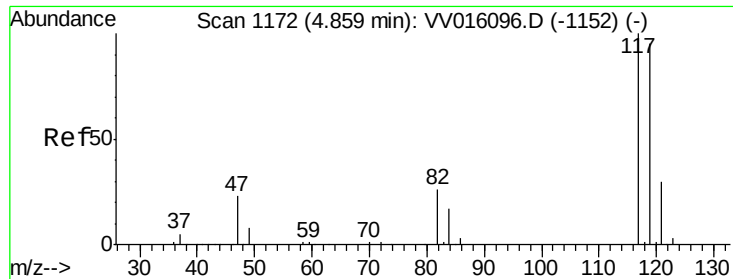
Tot Ion: 56 Resp: 376363
Ion Ratio Lower Upper
56 100
69 29.6 23.9 35.9
84 83.1 65.7 98.5



#30
1,1,1-Trichloroethane
Concen: 91.874 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV016093.D
Acq: 18 May 2020 11:39

Tgt Ion: 97 Resp: 390995
Ion Ratio Lower Upper
97 100
99 64.2 50.2 75.4
61 47.0 37.5 56.3

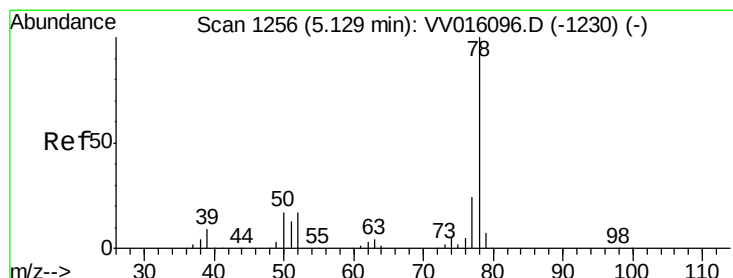
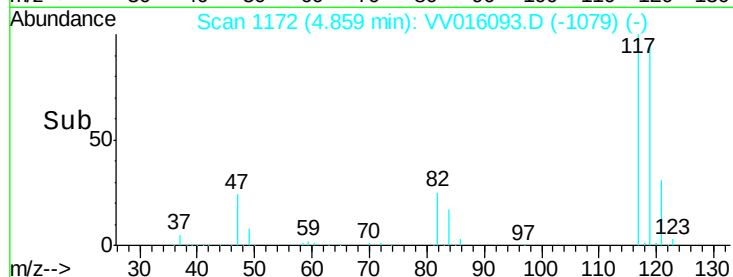
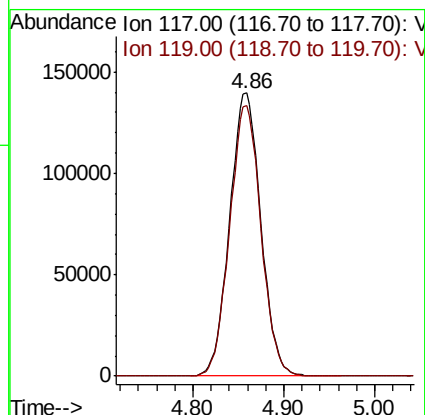
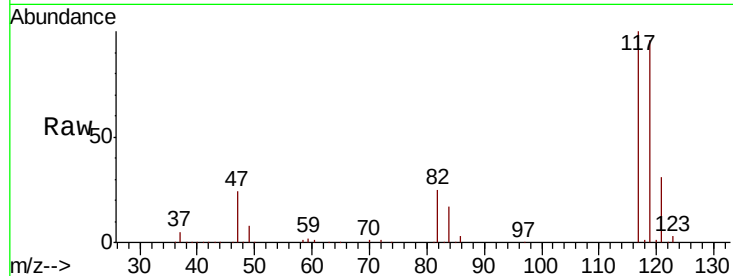




#31
Carbon tetrachloride
Concen: 91.414 ug/L
RT: 4.86 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VV016093.D
Acq: 18 May 2020 11:39

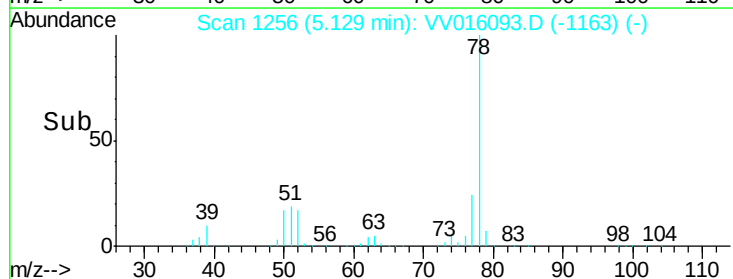
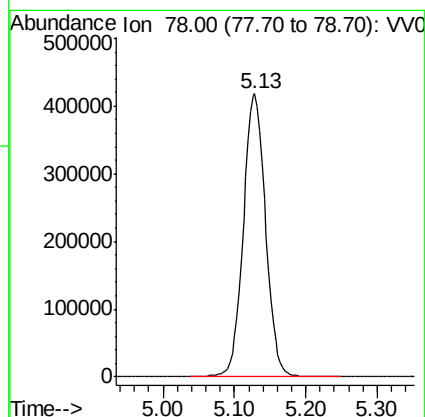
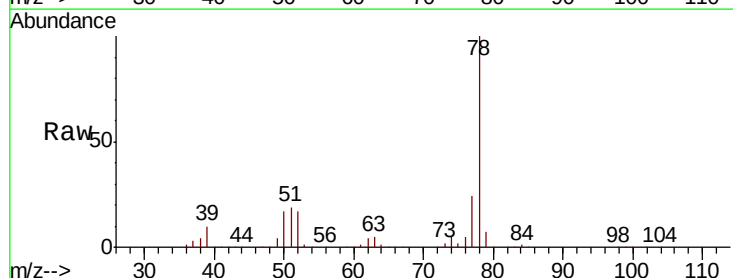
Instrument :
MSVOA_V
ClientSampleId :

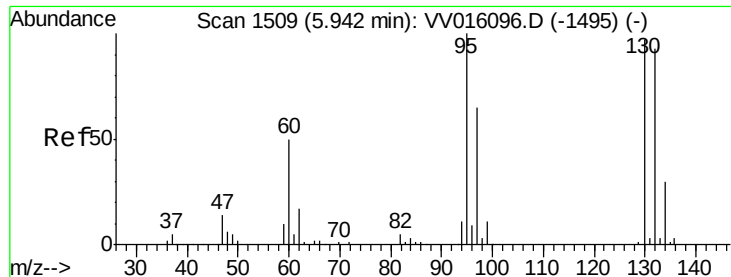
Tot Ion:117 Resp: 331689
Ion Ratio Lower Upper
117 100
119 96.1 75.7 113.5



#33
Benzene
Concen: 92.773 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VV016093.D
Acq: 18 May 2020 11:39

Tgt Ion: 78 Resp: 908997

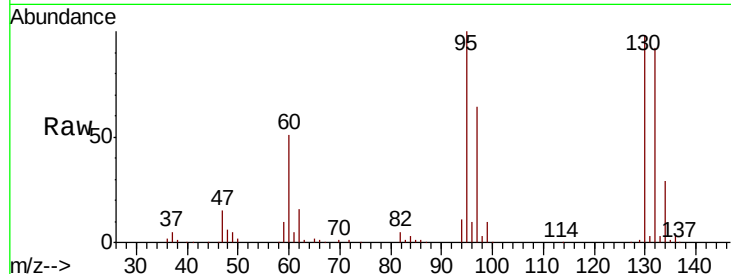




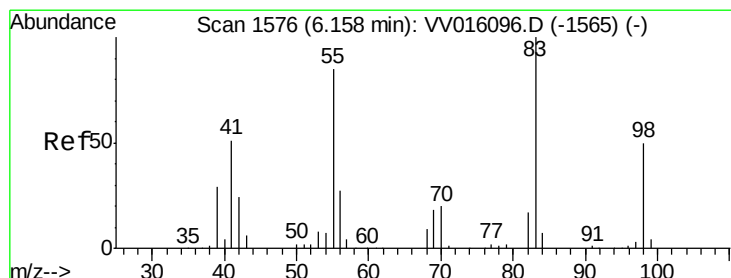
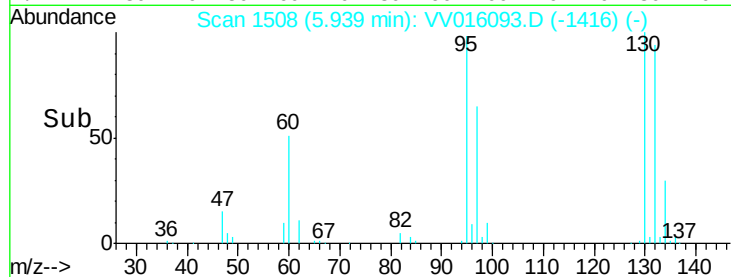
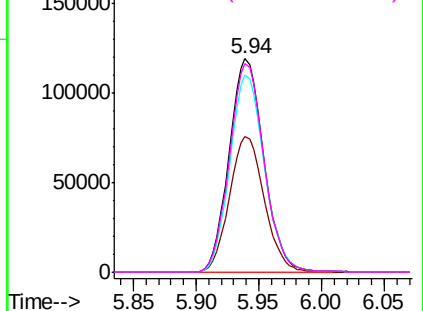
#34
 Trichloroethene
 Concen: 88.640 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	228934
Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.7	84.9
132	92.1	65.4	121.4
130	97.7	68.0	126.2

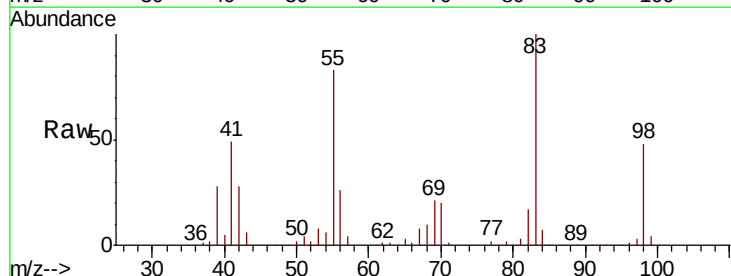


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

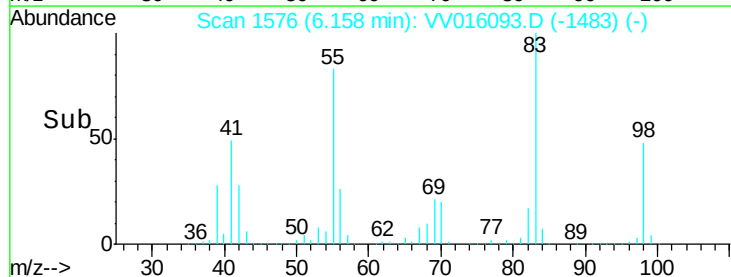
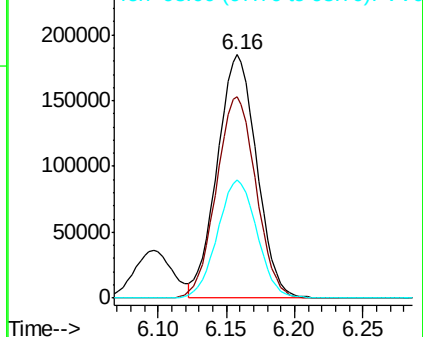


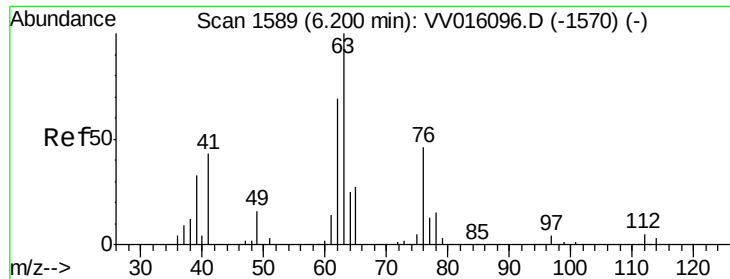
#35
 Methylcyclohexane
 Concen: 88.021 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

Tgt Ion:	83	Resp:	370823
Ion	Ratio	Lower	Upper
83	100		
55	83.2	66.2	99.2
98	48.8	39.9	59.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

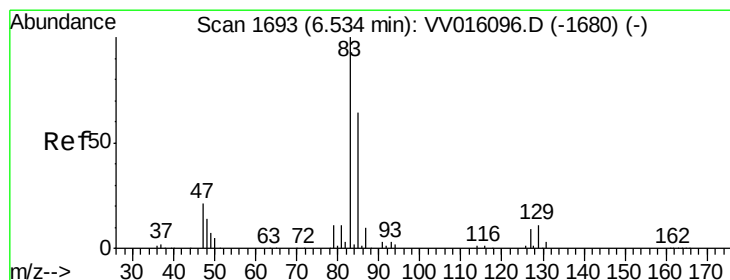
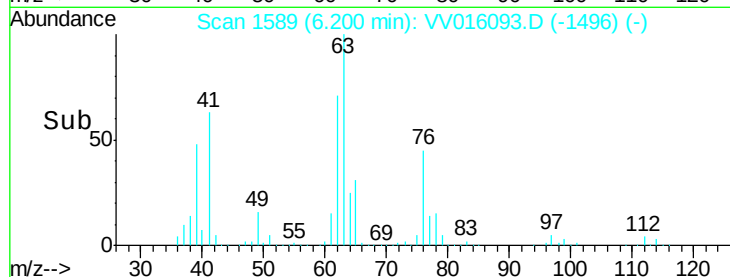
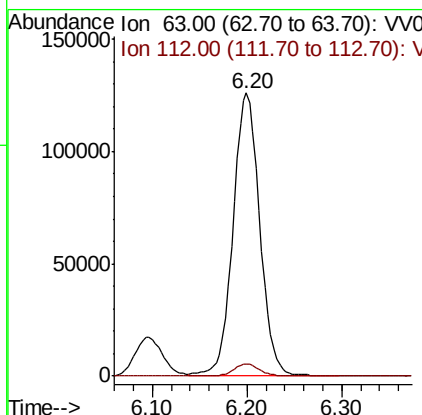
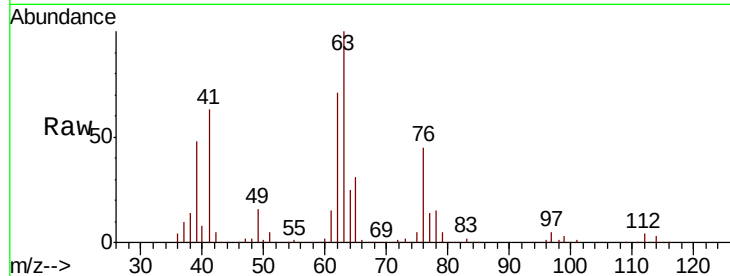




#37
 1,2-Dichloropropane
 Concen: 100.545 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

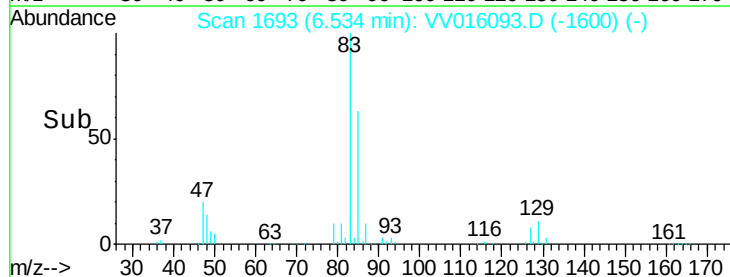
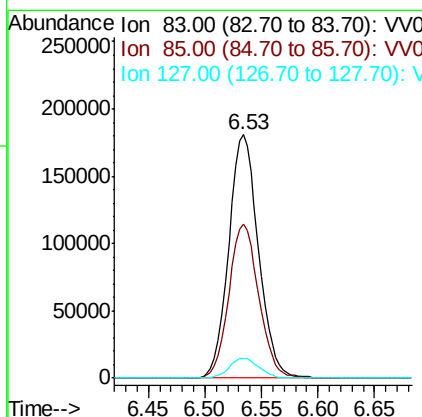
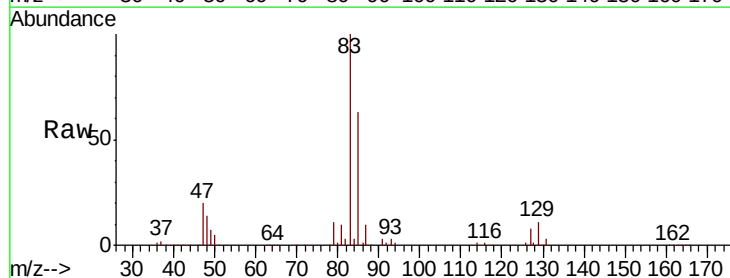
Instrument :
 MSVOA_V
 ClientSampled :

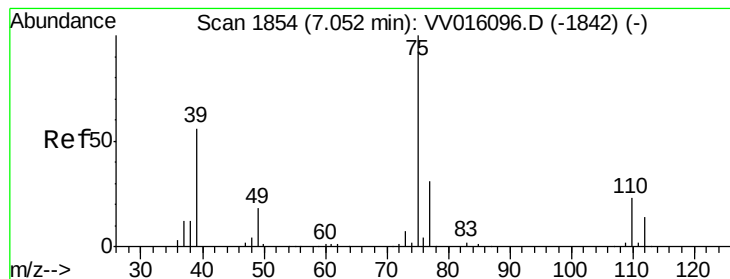
Tot Ion: 63 Resp: 245797
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 94.081 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

Tgt Ion: 83 Resp: 330561
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.7 82.9
 127 8.2 7.1 10.7



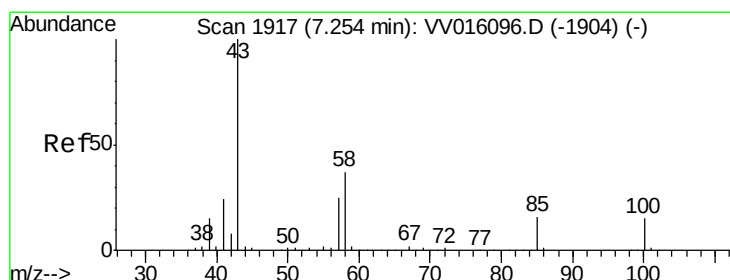
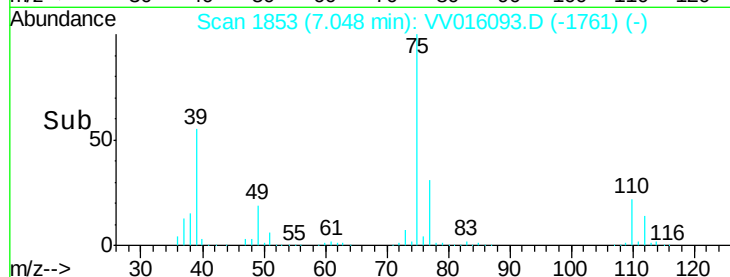
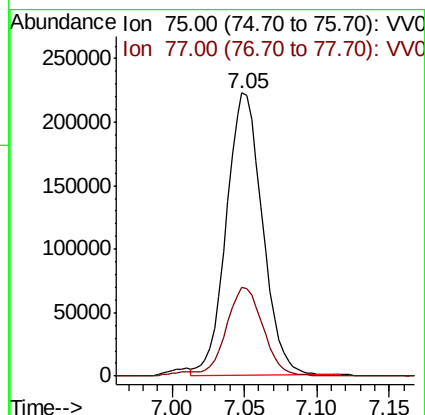
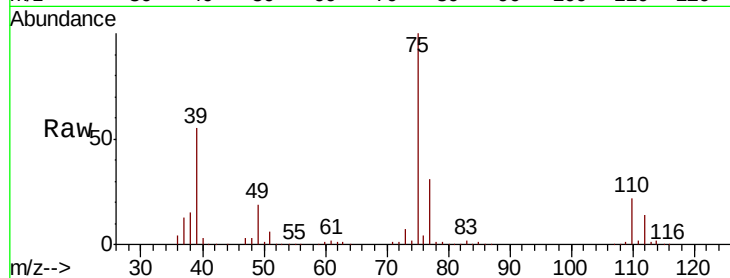


#39

cis-1,3-Dichloropropene
 Concen: 95.057 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

Instrument :
 MSVOA_V
 ClientSampleId :

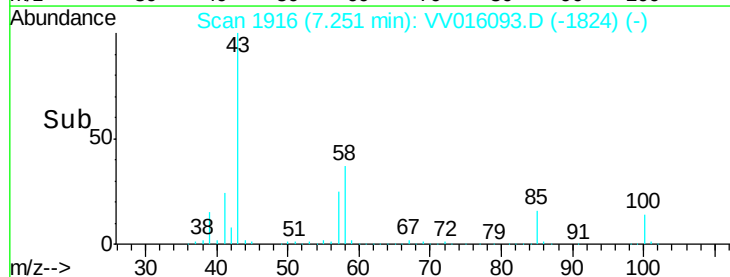
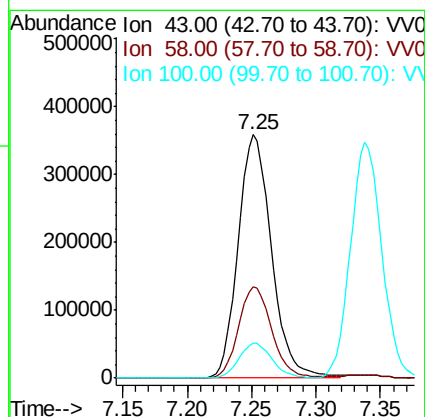
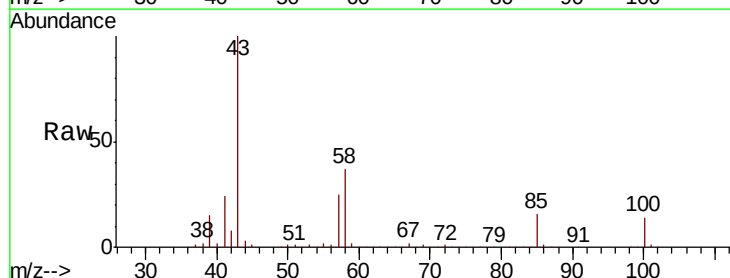
Tot Ion: 75 Resp: 384498
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.3

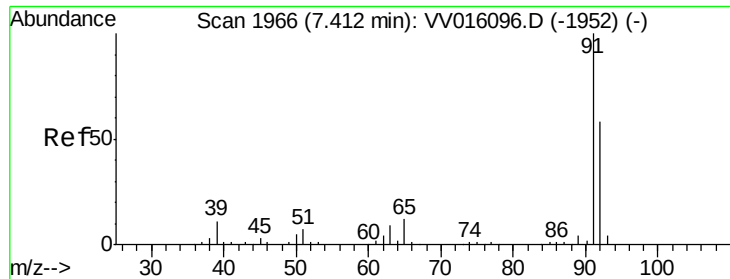


#40

4-Methyl-2-pentanone
 Concen: 190.279 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

Tgt Ion: 43 Resp: 645070
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.4 44.2
 100 14.3 11.0 16.6





#42

Toluene

Concen: 91.810 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

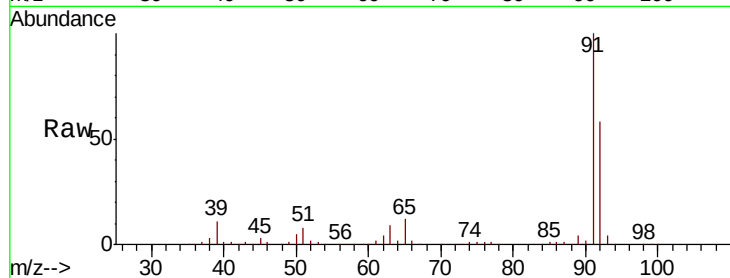
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 994840

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV016093.D (-1954) (-)

Ion 92.00 (91.70 to 92.70): VV016093.D (-1954) (-)

7.41

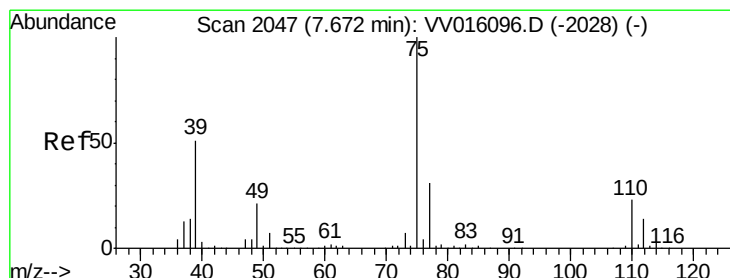
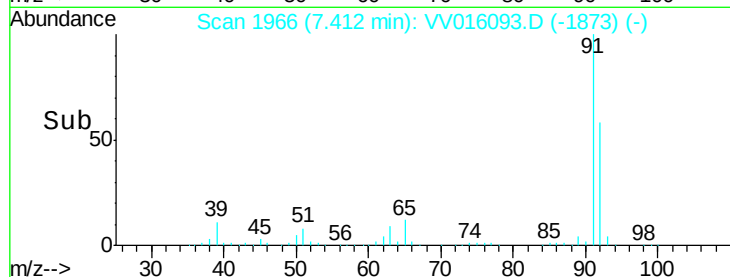
600000

400000

200000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 98.295 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV016093.D

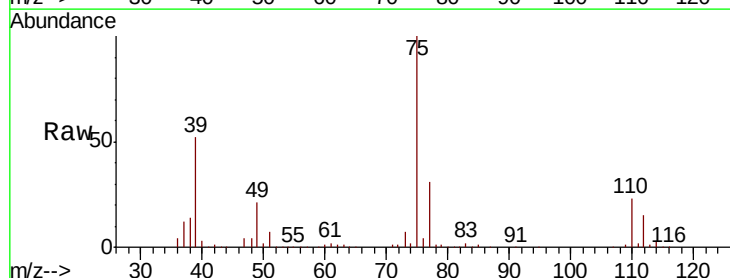
Acq: 18 May 2020 11:39

Tgt Ion: 75 Resp: 389615

Ion Ratio Lower Upper

75 100

77 31.2 21.3 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV016093.D (-1954) (-)

Ion 77.00 (76.70 to 77.70): VV016093.D (-1954) (-)

7.67

250000

200000

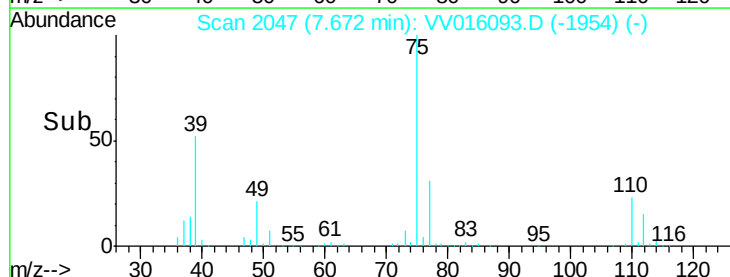
150000

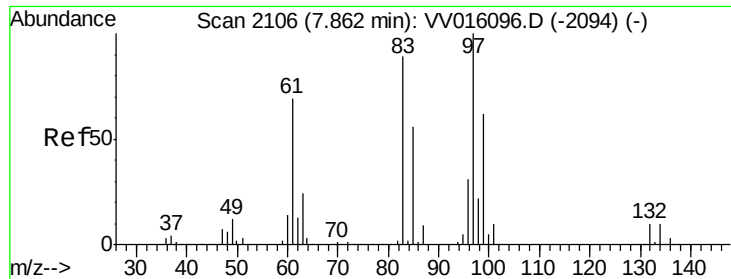
100000

50000

0

Time--> 7.60 7.70 7.80

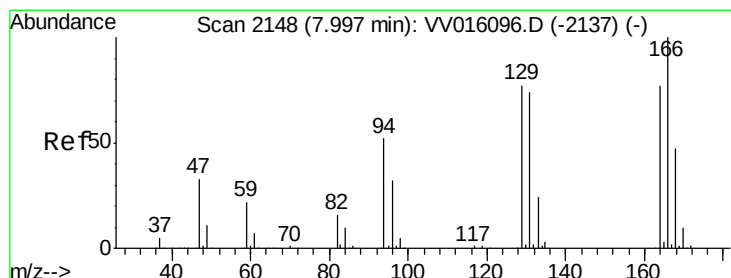
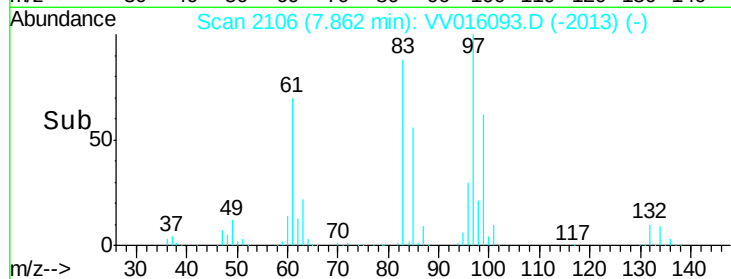
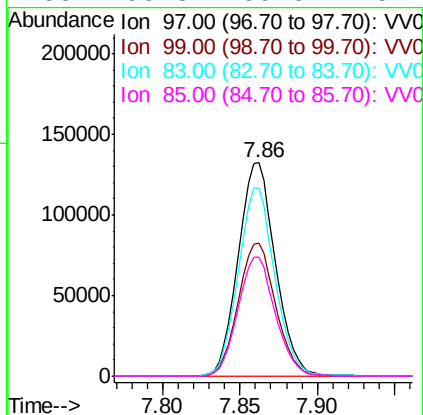
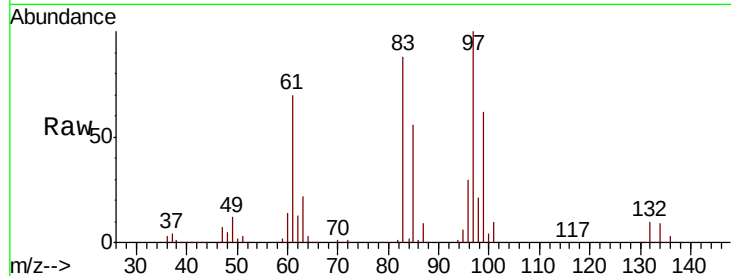




#45
 1,1,2-Trichloroethane
 Concen: 88.386 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

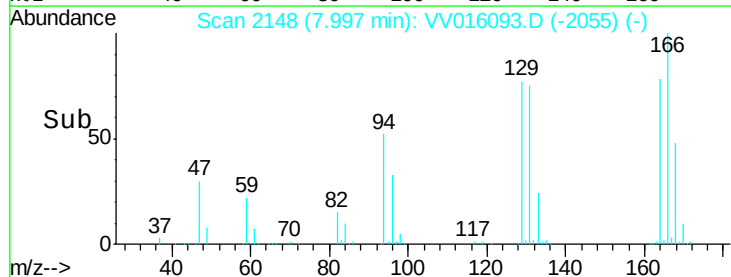
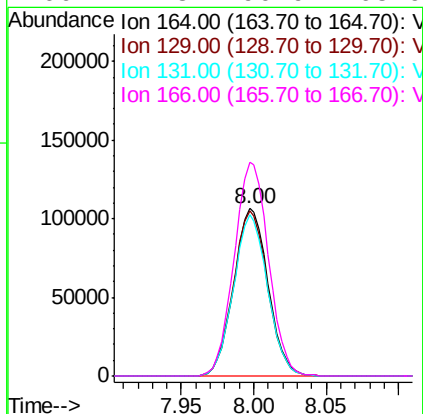
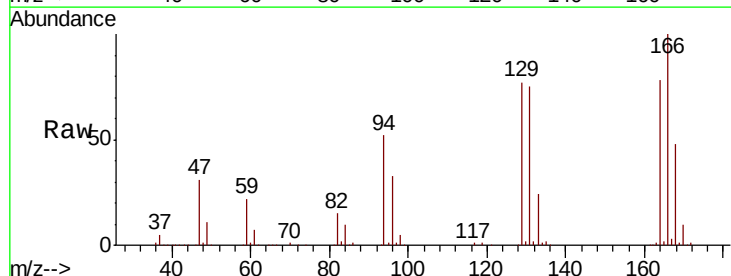
Instrument :
 MSVOA_V
 ClientSampleId :

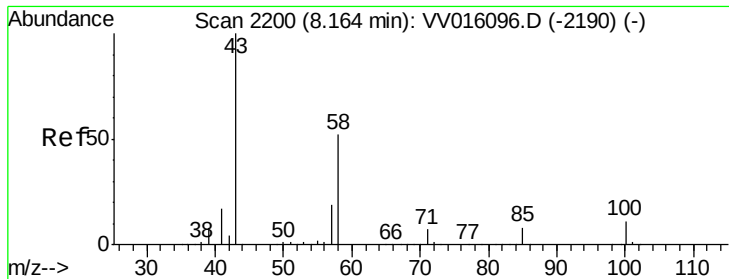
Tot Ion:	97	Resp:	221968
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.6	81.0
83	87.8	62.0	115.2
85	55.8	39.3	73.1



#46
 Tetrachloroethene
 Concen: 93.718 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

Tgt Ion:	164	Resp:	174983
Ion	Ratio	Lower	Upper
164	100		
129	98.7	70.3	130.7
131	96.2	67.1	124.5
166	127.8	90.9	168.9

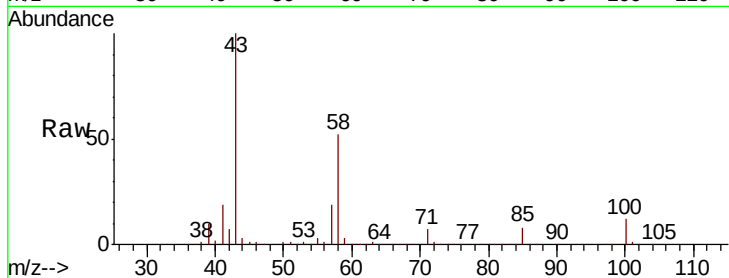




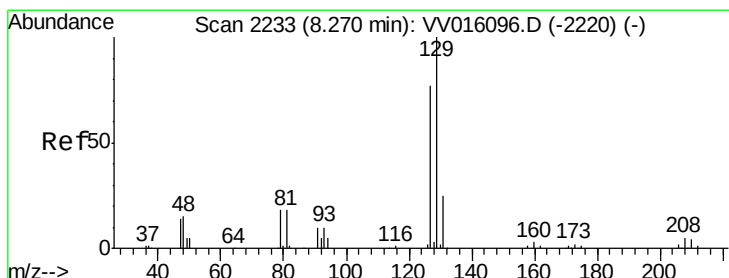
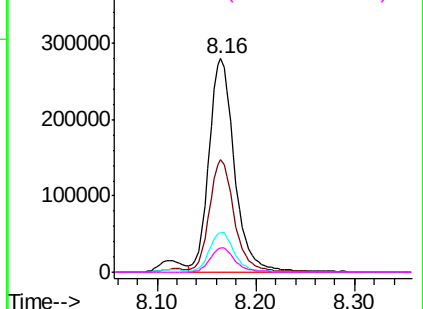
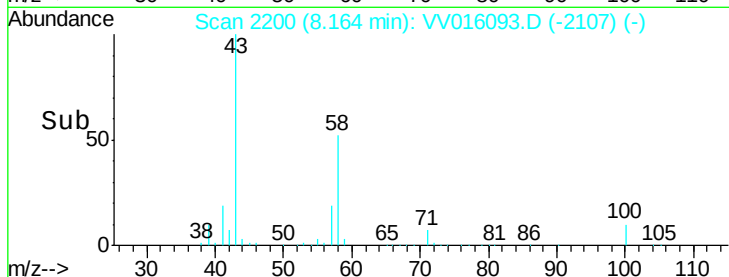
#48
2-Hexanone
Concen: 195.414 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV016093.D
Acq: 18 May 2020 11:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 499852
Ion Ratio Lower Upper
43 100
58 52.2 40.9 61.3
57 18.6 15.0 22.4
100 11.5 9.0 13.6

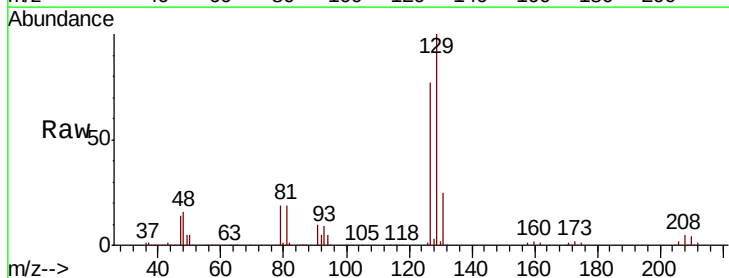


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

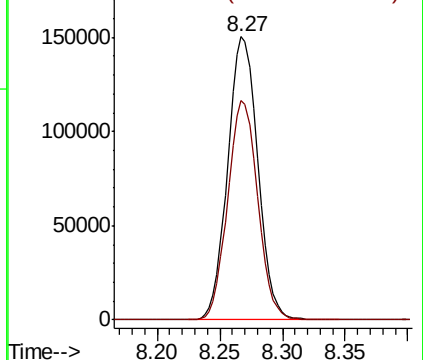
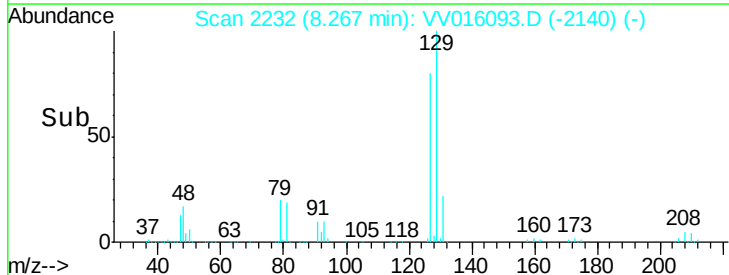


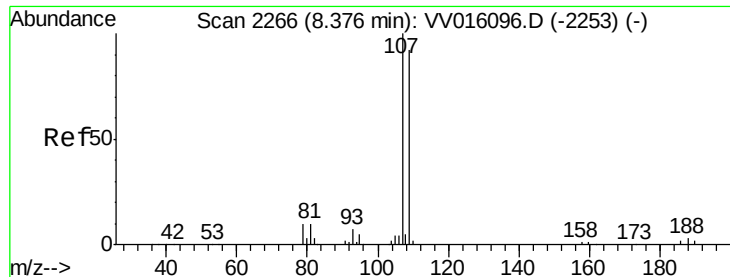
#49
Dibromochloromethane
Concen: 91.430 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016093.D
Acq: 18 May 2020 11:39

Tgt Ion: 129 Resp: 251498
Ion Ratio Lower Upper
129 100
127 77.5 54.2 100.6



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

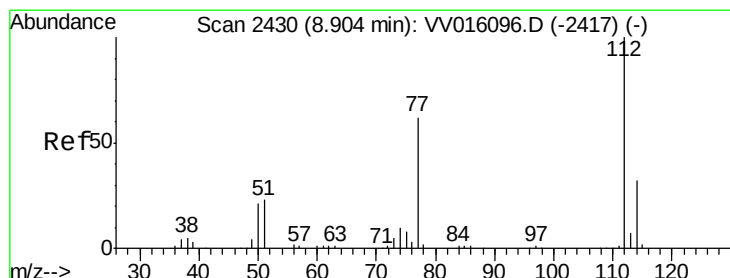
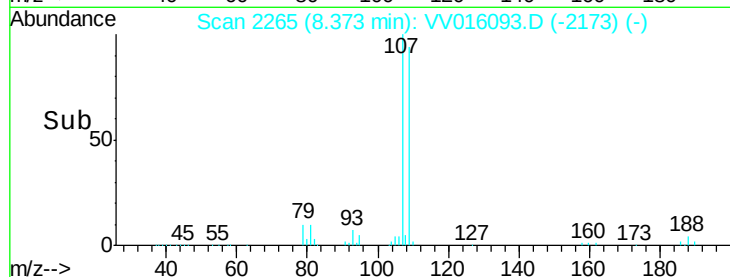
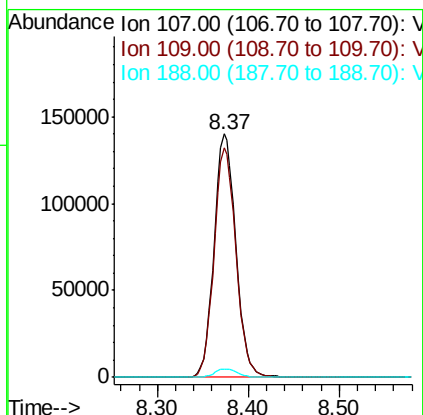
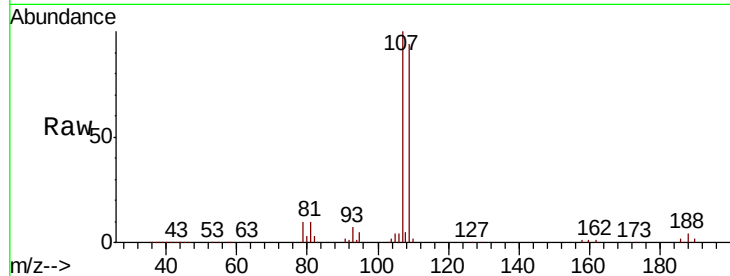




#50
 1,2-Dibromoethane
 Concen: 87.588 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

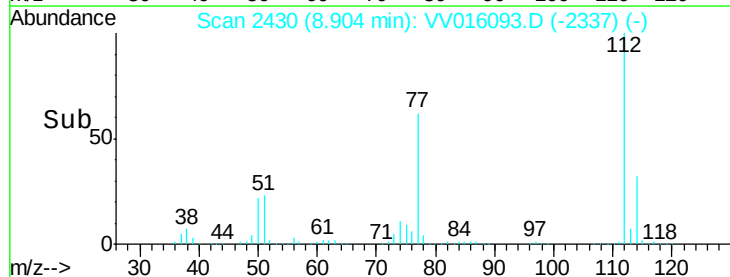
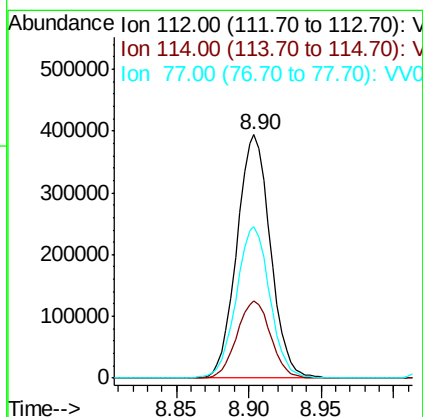
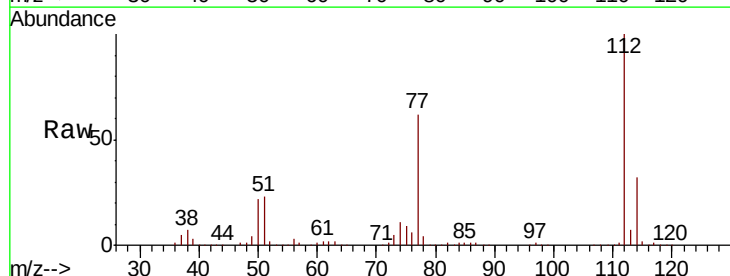
Instrument :
 MSVOA_V
 ClientSampleId :

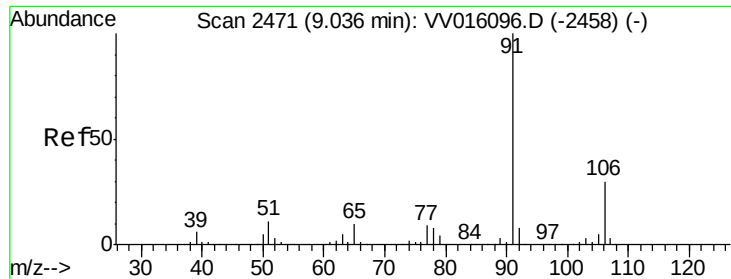
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	64.6	120.0
188	3.5	2.7	4.1



#51
 Chlorobenzene
 Concen: 89.408 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.5	41.9
77	62.0	50.4	75.6

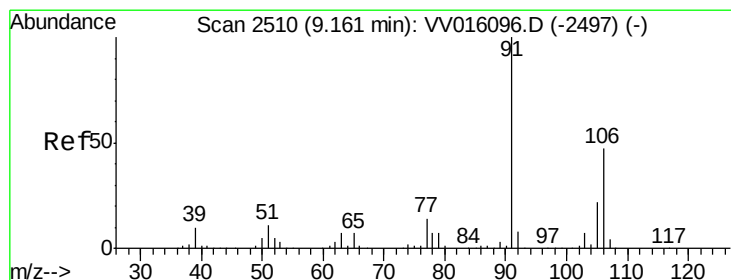
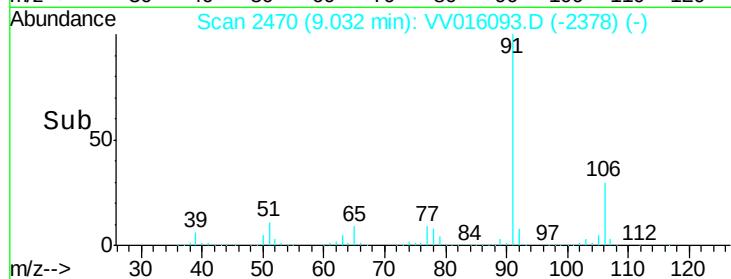
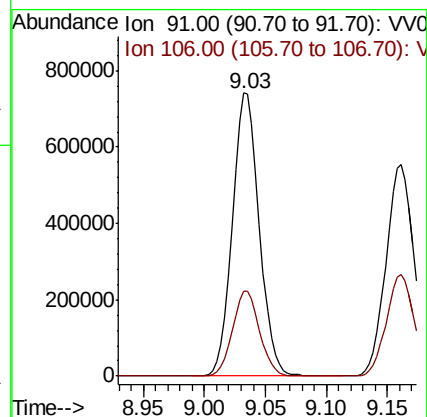
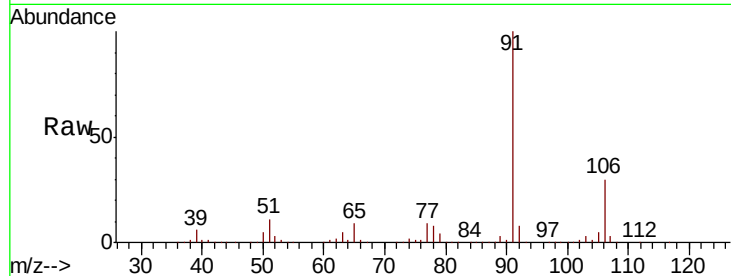




#52
Ethylbenzene
Concen: 93.829 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV016093.D
Acq: 18 May 2020 11:39

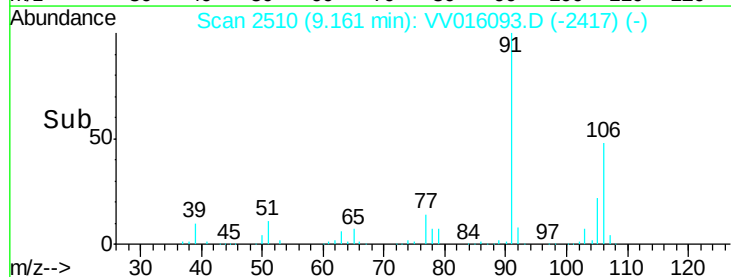
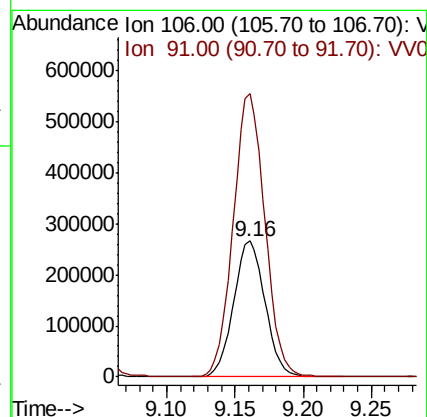
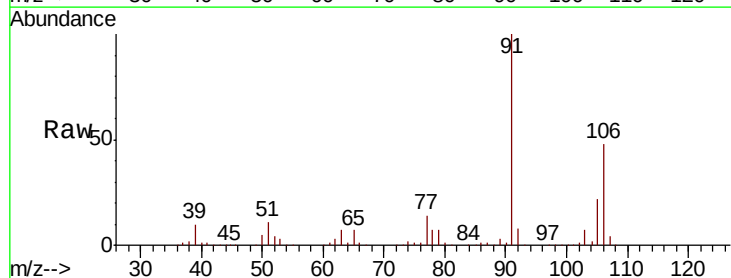
Instrument :
MSVOA_V
ClientSampleId :

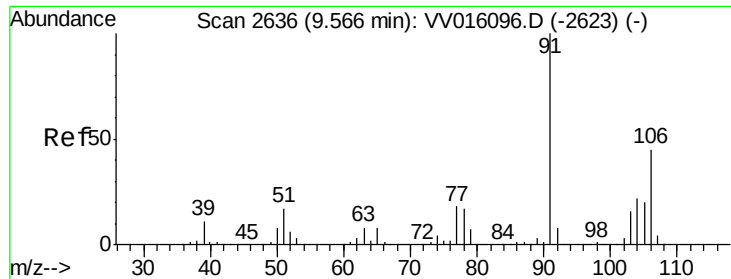
Tot Ion: 91 Resp: 1141121
Ion Ratio Lower Upper
91 100
106 29.9 21.2 39.4



#53
m,p-Xylene
Concen: 91.330 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. -0.00 min
Lab File: VV016093.D
Acq: 18 May 2020 11:39

Tgt Ion: 106 Resp: 425019
Ion Ratio Lower Upper
106 100
91 208.0 147.8 274.4





#54

o-xylene

Concen: 89.572 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

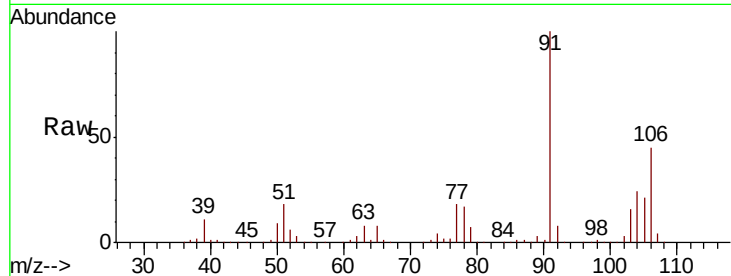
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 416261

Ion Ratio Lower Upper

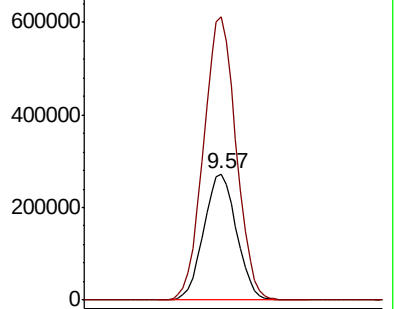
106 100

91 224.1 154.5 286.9

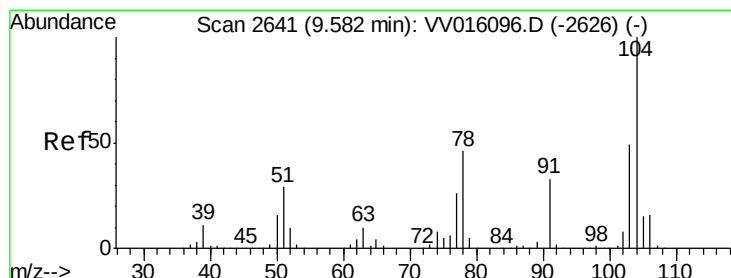
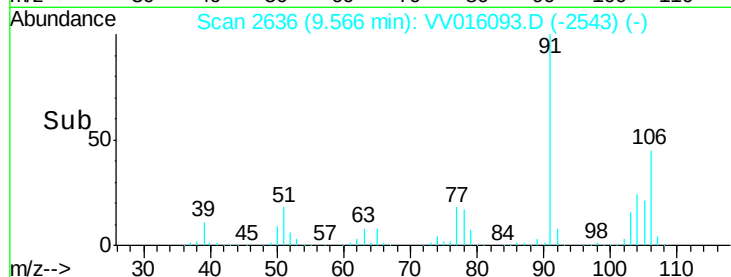


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->



#55

Styrene

Concen: 94.451 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV016093.D

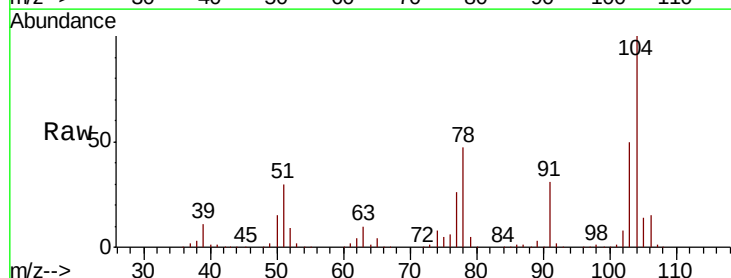
Acq: 18 May 2020 11:39

Tgt Ion:104 Resp: 737171

Ion Ratio Lower Upper

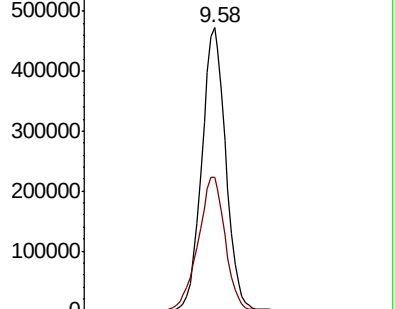
104 100

78 47.4 32.6 60.6

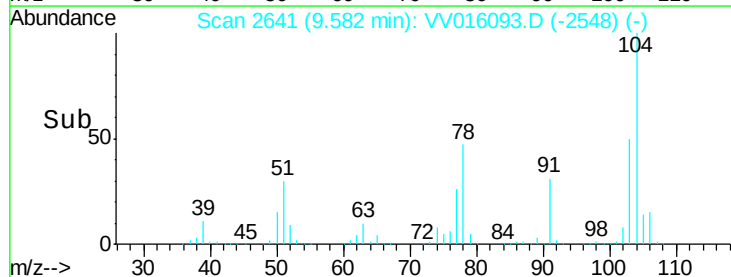


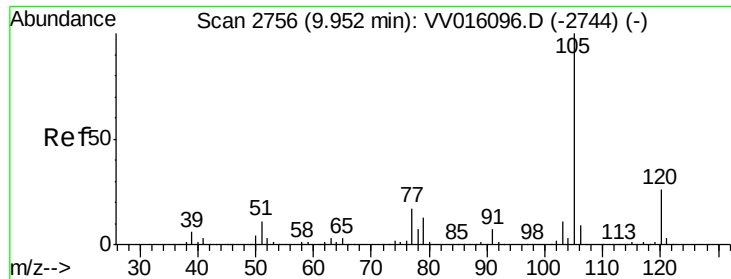
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 92.981 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

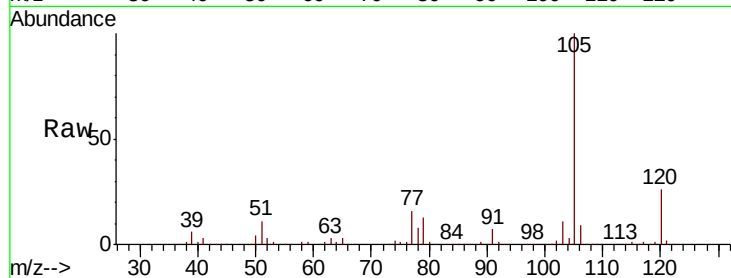
Tot Ion:105 Resp: 1126608

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

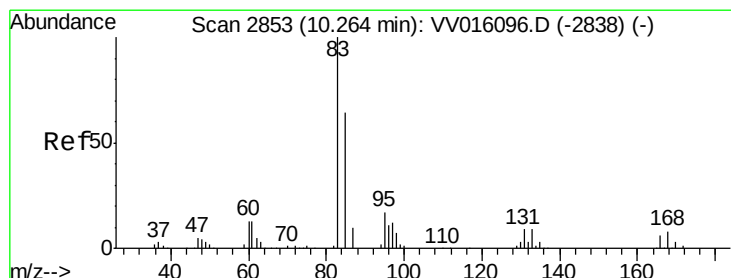
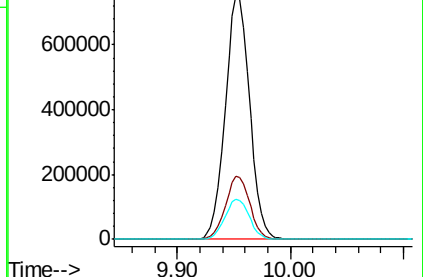
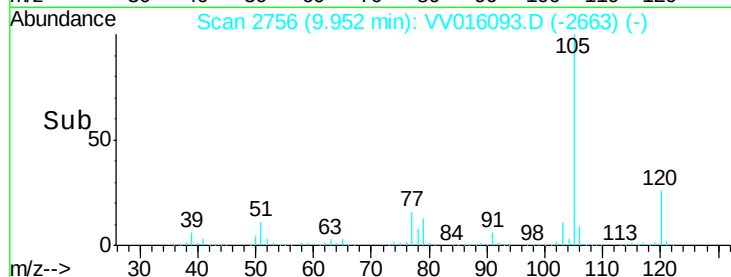
77 16.5 13.3 19.9



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: 88.664 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

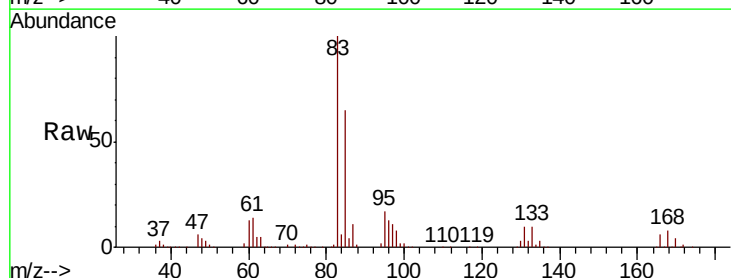
Tgt Ion: 83 Resp: 356860

Ion Ratio Lower Upper

83 100

85 65.0 44.8 83.2

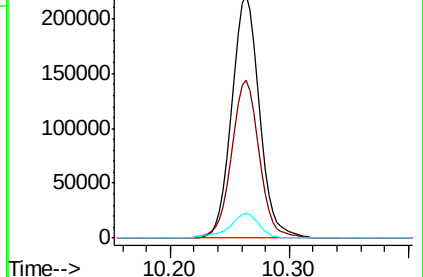
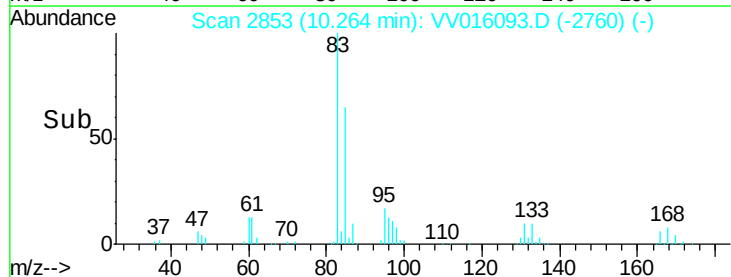
131 10.1 7.6 11.4

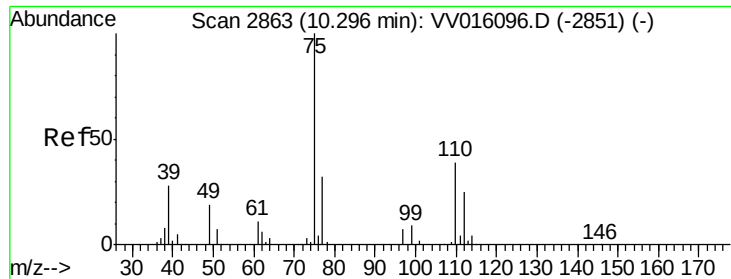


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 91.128 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

Instrument :

MSVOA_V

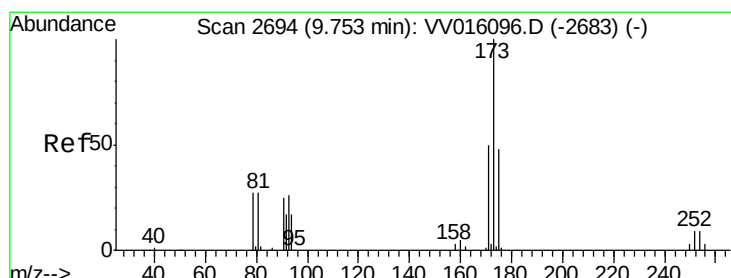
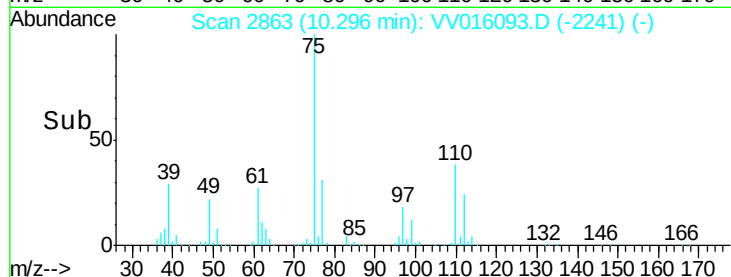
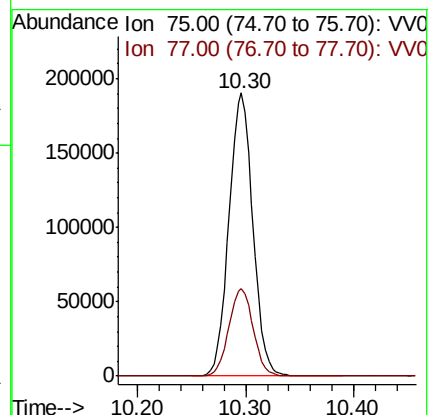
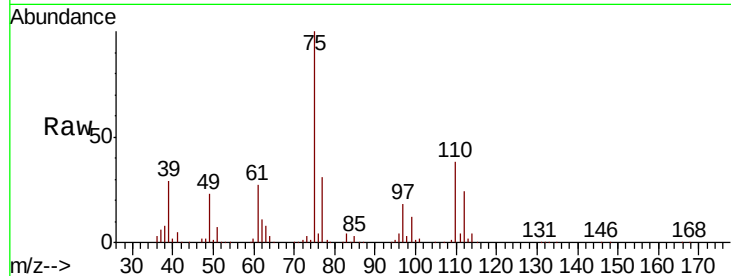
ClientSampled :

Tot Ion: 75 Resp: 293588

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



#61

Bromoform

Concen: 89.282 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

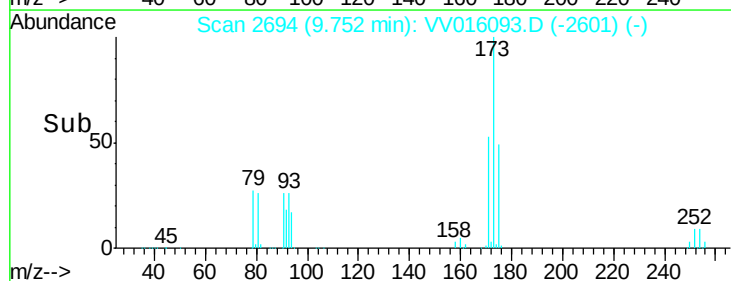
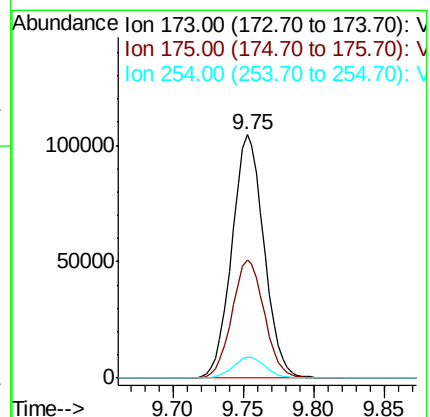
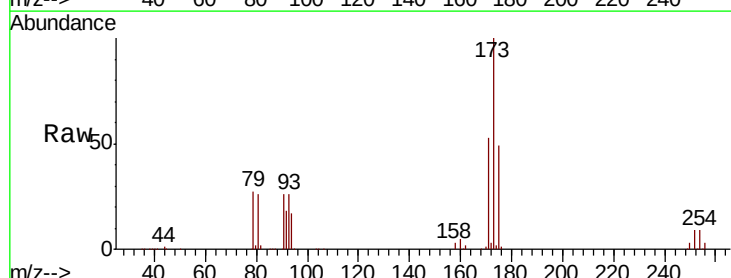
Tgt Ion: 173 Resp: 166691

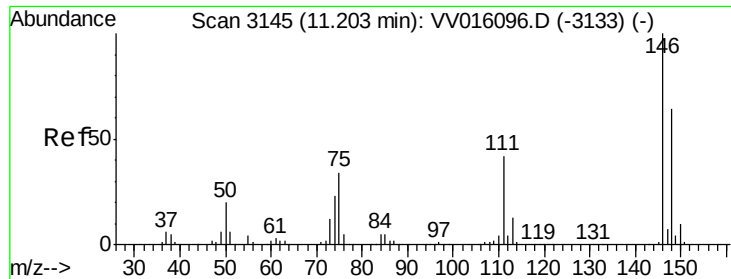
Ion Ratio Lower Upper

173 100

175 48.8 38.3 57.5

254 8.5 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 88.995 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

Instrument :

MSVOA_V

ClientSampled :

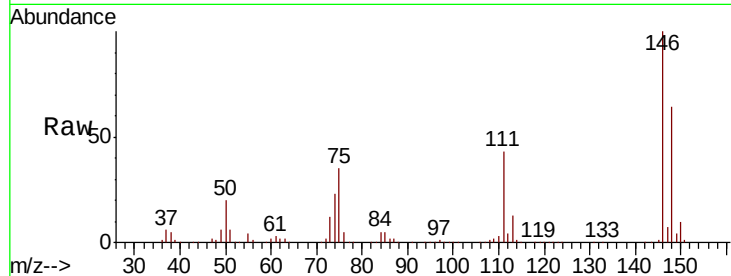
Tot Ion:146 Resp: 505003

Ion Ratio Lower Upper

146 100

111 42.6 29.1 54.1

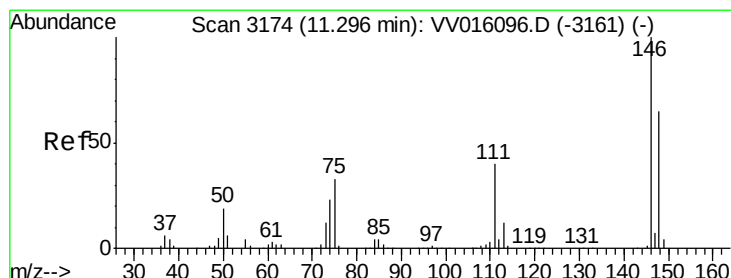
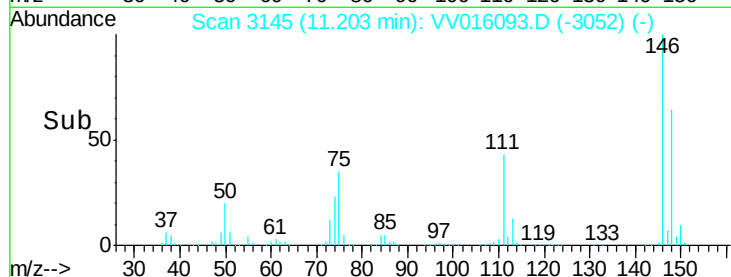
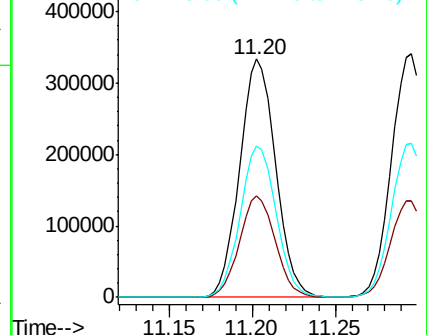
148 63.8 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 89.119 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

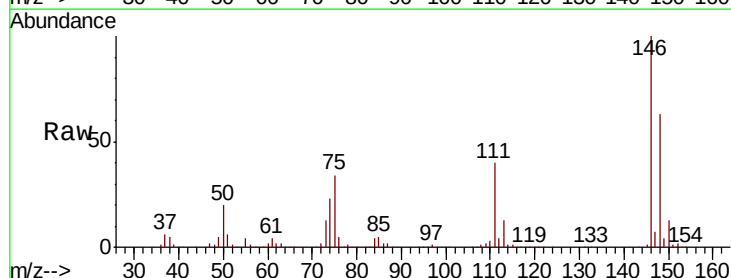
Tgt Ion:146 Resp: 515193

Ion Ratio Lower Upper

146 100

111 39.5 28.1 52.3

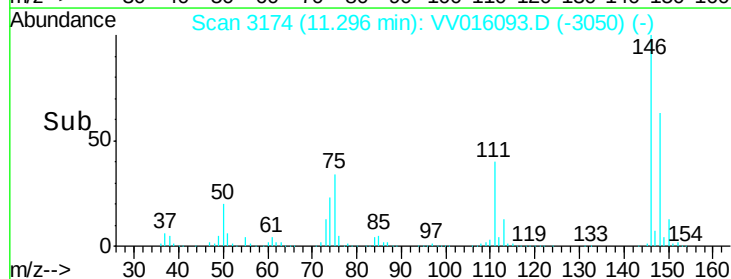
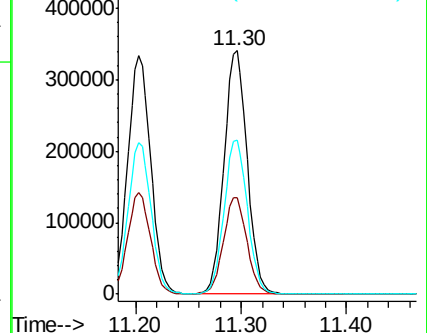
148 63.5 45.7 84.9

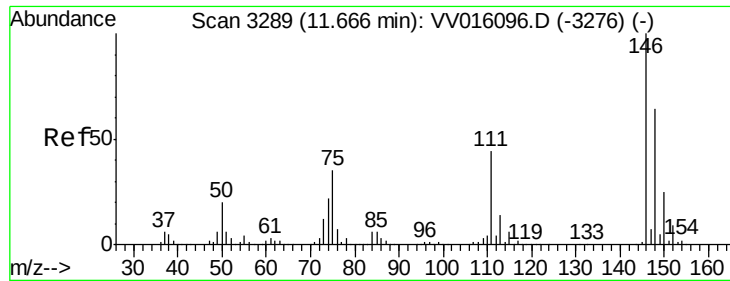


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

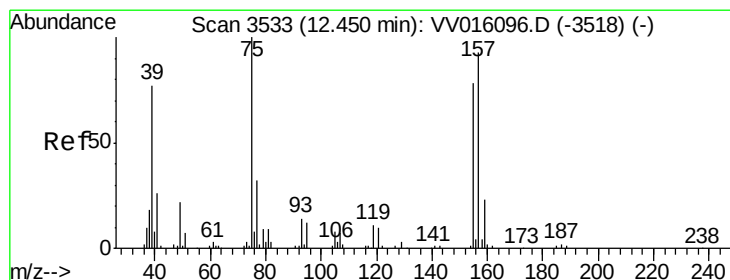
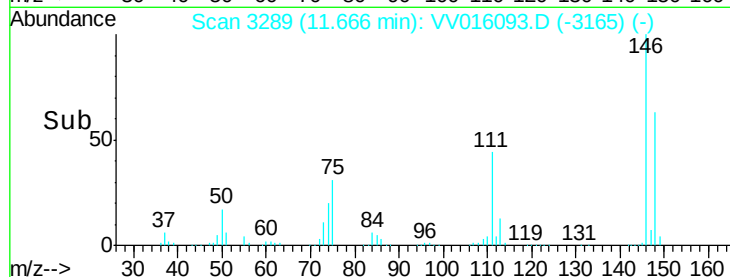
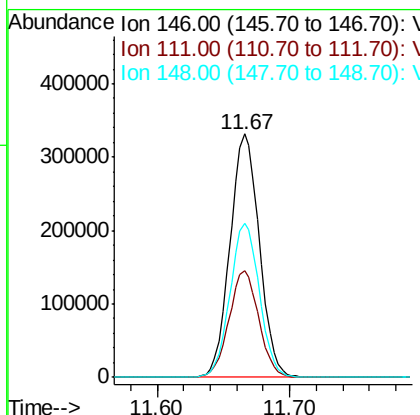
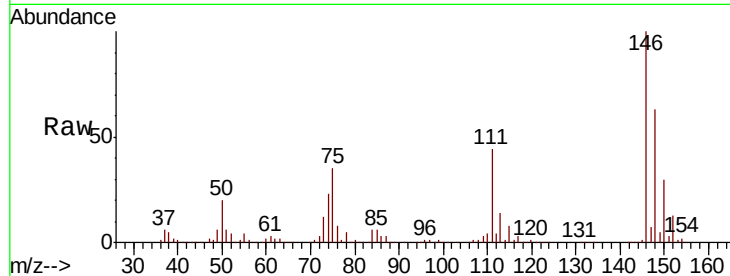




#65
 1,2-Dichlorobenzene
 Concen: 88.199 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

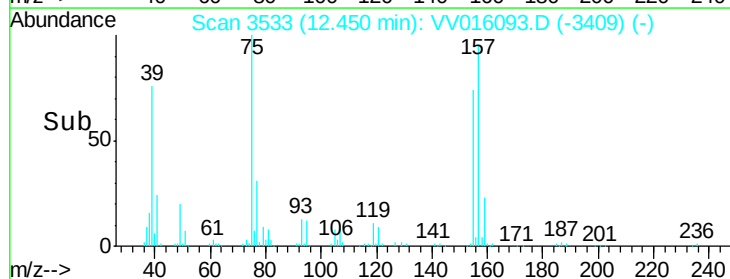
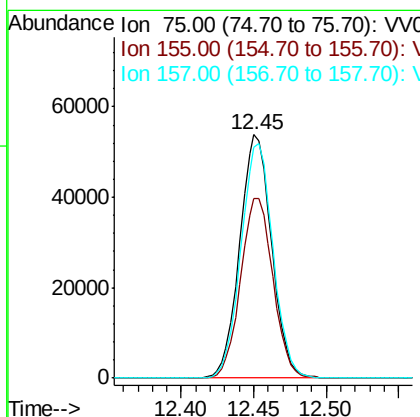
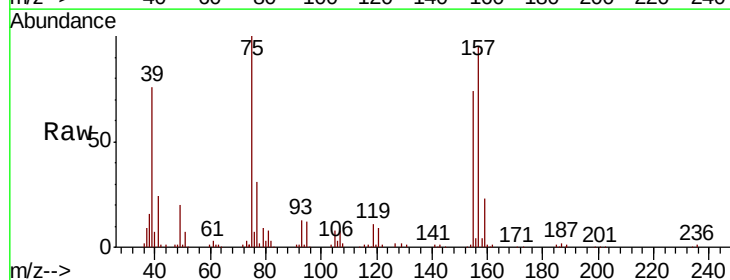
Instrument :
 MSVOA_V
 ClientSampleId :

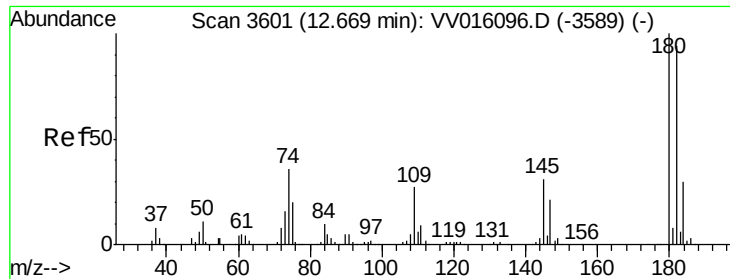
Tot Ion:146 Resp: 508796
 Ion Ratio Lower Upper
 146 100
 111 44.0 35.2 52.8
 148 63.2 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 74.574 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

Tgt Ion: 75 Resp: 82233
 Ion Ratio Lower Upper
 75 100
 155 73.9 62.1 93.1
 157 95.0 74.6 111.8

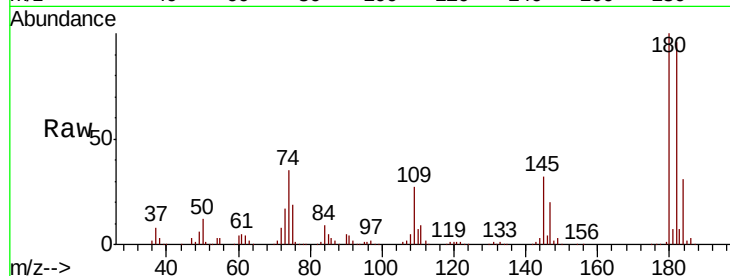




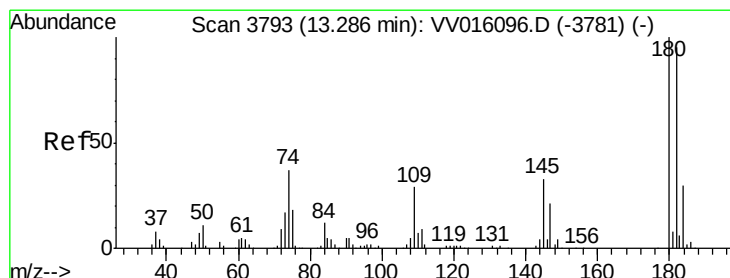
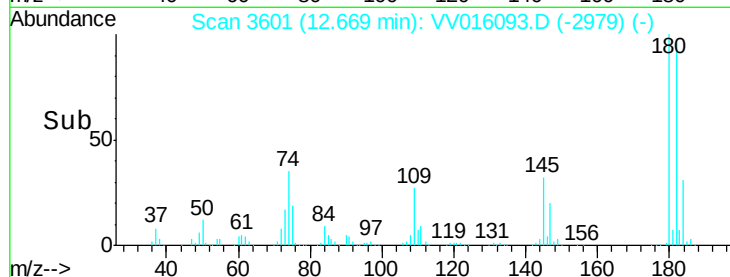
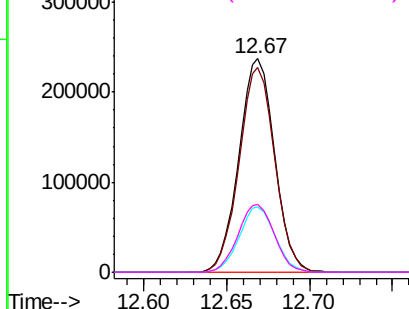
#67
 1,3,5-Trichlorobenzene
 Concen: 93.475 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.6
184	30.7	24.3	36.5
145	32.2	25.0	37.6

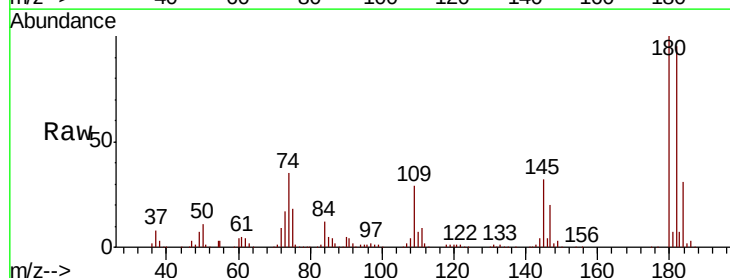


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

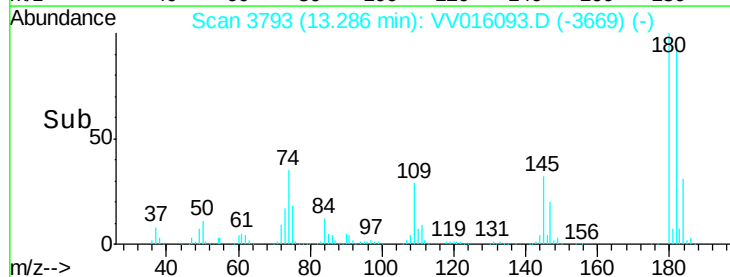
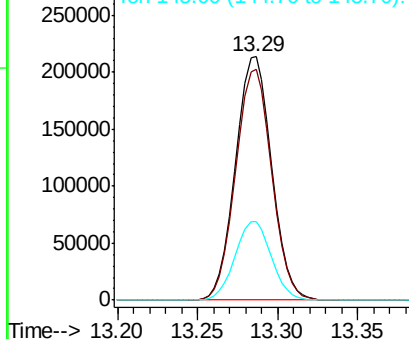


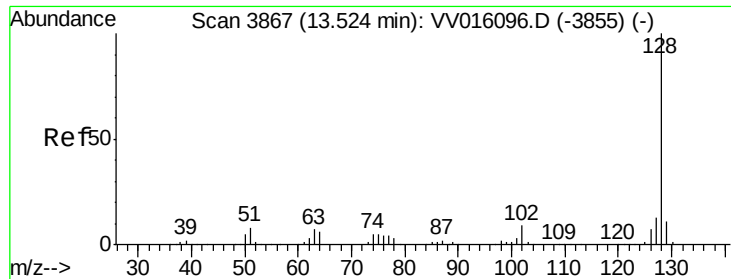
#68
 1,2,4-trichlorobenzene
 Concen: 95.044 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016093.D
 Acq: 18 May 2020 11:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.2	114.4
145	32.2	26.2	39.2



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: 80.166 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

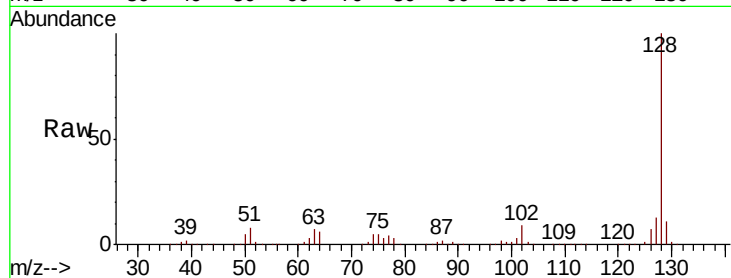
Tot Ion:128 Resp: 1021835

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

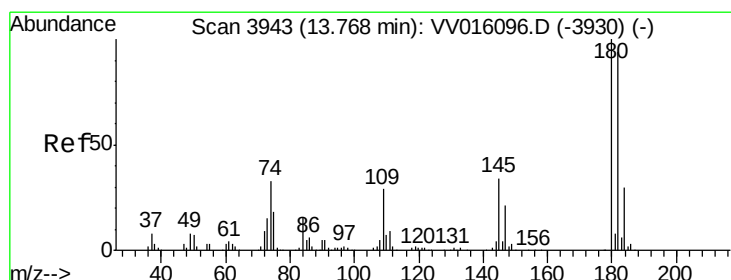
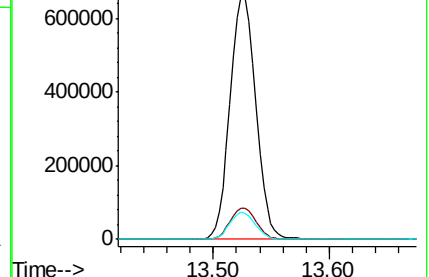
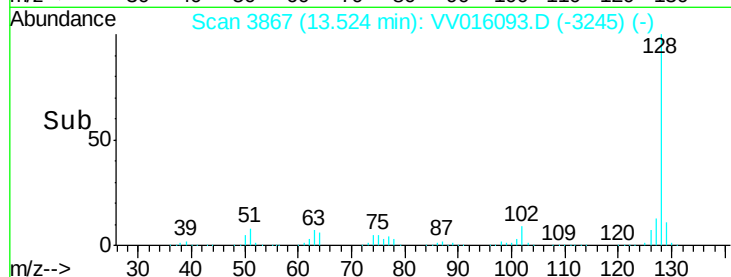
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 92.826 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016093.D

Acq: 18 May 2020 11:39

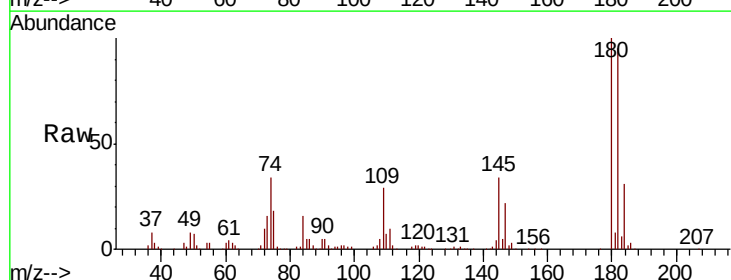
Tgt Ion:180 Resp: 331165

Ion Ratio Lower Upper

180 100

182 94.8 75.3 112.9

145 34.4 27.4 41.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

