

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016195.D
 Acq On : 26 May 2020 16:36
 Operator : SY/MD
 Sample : VSTD02036
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 02:04:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 02:00:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	105169	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	103120	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	52097	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	132531	22.18	ug/L	0.00
7) Chloroethane-d5	1.58	69	113462	20.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	242084	19.43	ug/L	0.00
20) 2-Butanone-d5	3.96	46	364029	223.17	ug/L	0.00
24) Chloroform-d	4.38	84	275114	21.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	141644	19.81	ug/L	0.00
32) Benzene-d6	5.07	84	523980	21.08	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	161193	21.38	ug/L	0.00
41) Toluene-d8	7.34	98	507433	21.60	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.64	79	67236	22.59	ug/L	0.00
48) 2-Hexanone-d5	8.12	63	306114	234.70	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	120125	22.21	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	175676	20.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	195064	23.262	ug/L 100
3) Chloromethane	1.25	50	198668	23.014	ug/L 99
5) Vinyl chloride	1.32	62	185386	22.683	ug/L 98
6) Bromomethane	1.53	94	107365	23.033	ug/L 97
8) Chloroethane	1.60	64	103459	18.102	ug/L 98
9) Trichlorofluoromethane	1.77	101	244937	22.123	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	127255	20.384	ug/L 97
12) 1,1-Dichloroethene	2.13	96	118067	19.866	ug/L 90
13) Acetone	2.24	43	200344	186.779	ug/L 91
14) Carbon disulfide	2.31	76	385992	19.955	ug/L 99
15) Methyl Acetate	2.46	43	55015	21.493	ug/L 99
16) Methylene chloride	2.52	84	126265	17.964	ug/L 98
17) Methyl tert-butyl Ether	2.79	73	307389	20.111	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	131630	20.149	ug/L 95
19) 1,1-Dichloroethane	3.21	63	270648	21.705	ug/L 99
21) 2-Butanone	4.05	43	411089	242.488	ug/L 92
22) cis-1,2-Dichloroethene	3.94	96	158603	22.807	ug/L 96
23) Bromochloromethane	4.27	128	64012	21.932	ug/L 93
25) Chloroform	4.40	83	282394	20.587	ug/L 98
27) 1,2-Dichloroethane	5.16	62	184369	21.482	ug/L # 96
29) 1,1,1-Trichloroethane	4.63	97	256446	21.994	ug/L 99
30) Cyclohexane	4.70	56	278571	23.525	ug/L 99
31) Carbon tetrachloride	4.85	117	218559	21.742	ug/L 97
33) Benzene	5.12	78	615616	22.845	ug/L 100
34) Trichloroethene	5.94	95	160154	21.268	ug/L 98
35) Methylcyclohexane	6.15	83	280691	24.082	ug/L 99
37) 1,2-Dichloropropane	6.20	63	153454	22.402	ug/L 99
38) Bromodichloromethane	6.53	83	196130	22.916	ug/L 98
39) cis-1,3-Dichloropropene	7.05	75	236882	24.657	ug/L 99
40) 4-Methyl-2-pentanone	7.26	43	990802	233.529	ug/L 99

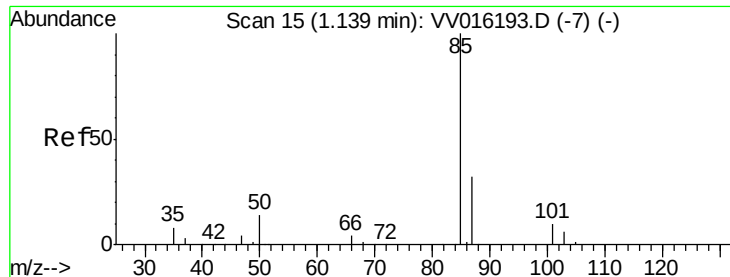
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	680372	23.750	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	666008	25.137	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	683525	25.775	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	201209	24.789	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	103104	22.636	ug/L	98
49) Tetrachloroethene	8.00	164	118391	22.277	ug/L	98
50) 2-Hexanone	8.17	43	711344	238.486	ug/L	99
51) Dibromochloromethane	8.27	129	119031	23.771	ug/L	99
52) 1,2-Dibromoethane	8.38	107	97821	23.243	ug/L	96
53) Chlorobenzene	8.90	112	424202	23.119	ug/L	98
54) Ethylbenzene	9.03	91	783688	23.981	ug/L	100
55) m,p-xylene	9.16	106	293095	24.262	ug/L	98
56) o-xylene	9.57	106	283141	24.524	ug/L	95
57) Styrene	9.58	104	484713	25.097	ug/L	99
58) Isopropylbenzene	9.95	105	776388	24.540	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	127340	25.496	ug/L	100
62) Bromoform	9.75	173	55726	23.072	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	337787	23.244	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	332890	22.675	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	303084	22.992	ug/L	100
67) 1,2-Dibromo-3-chloropropan	12.45	75	22143	25.344	ug/L	96
68) 1,3,5-Trichlorobenzene	12.67	180	246307	23.278	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	217913	23.856	ug/L	99
70) Naphthalene	13.52	128	430108	28.145	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	194579	24.137	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 23.262 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

Instrument :

MSVOA_V

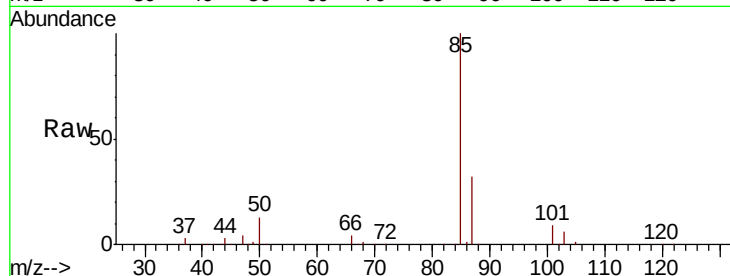
ClientSampleId :

Tot Ion: 85 Resp: 195064

Ion Ratio Lower Upper

85 100

87 32.0 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

150000

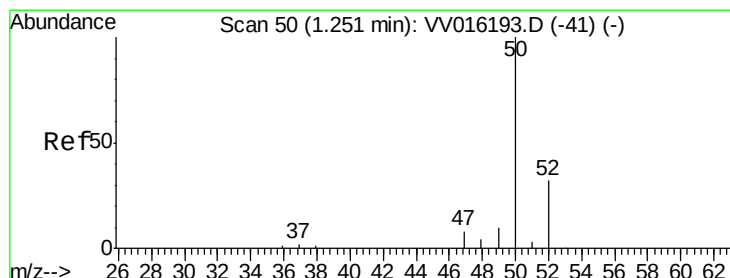
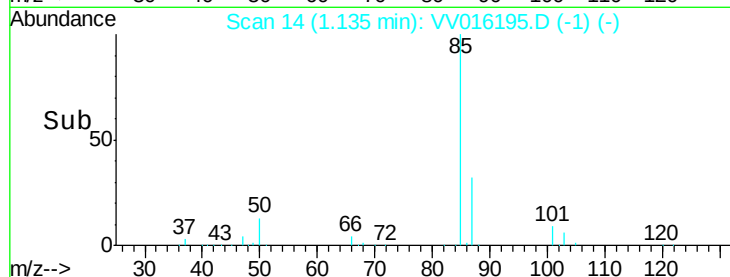
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 23.014 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016195.D

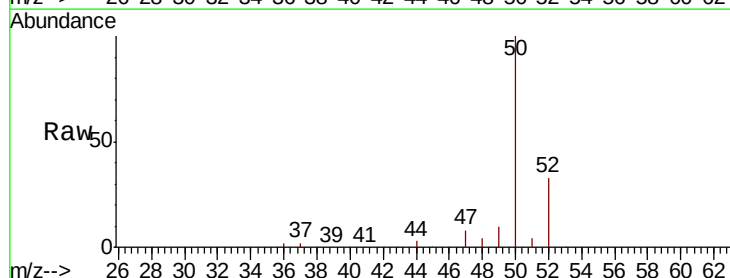
Acq: 26 May 2020 16:36

Tgt Ion: 50 Resp: 198668

Ion Ratio Lower Upper

50 100

52 32.7 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

200000

150000

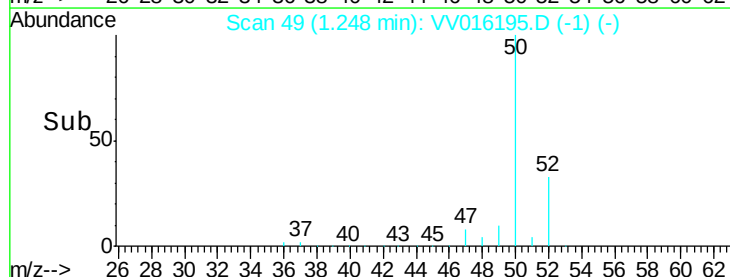
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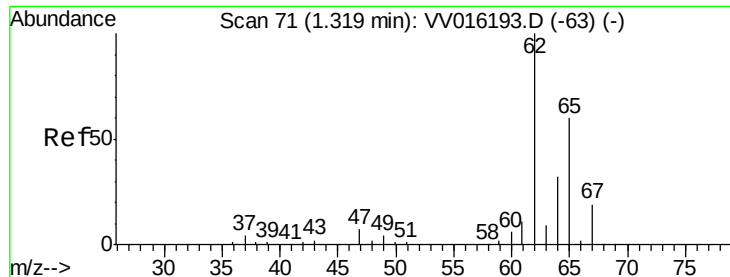
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 22.683 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

Instrument :

MSVOA_V

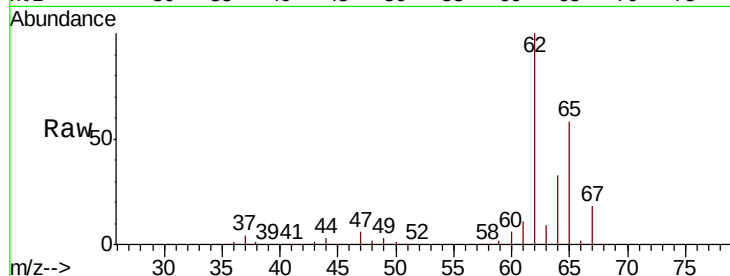
ClientSampled :

Tot Ion: 62 Resp: 185386

Ion Ratio Lower Upper

62 100

64 32.7 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

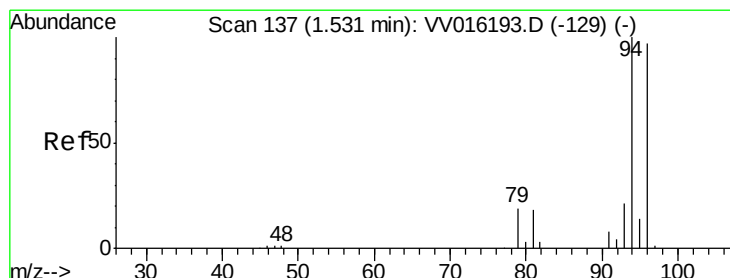
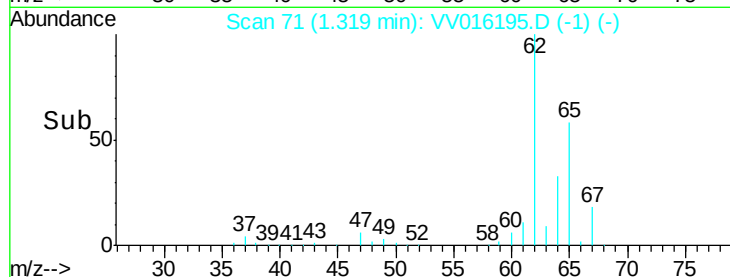
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 23.033 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016195.D

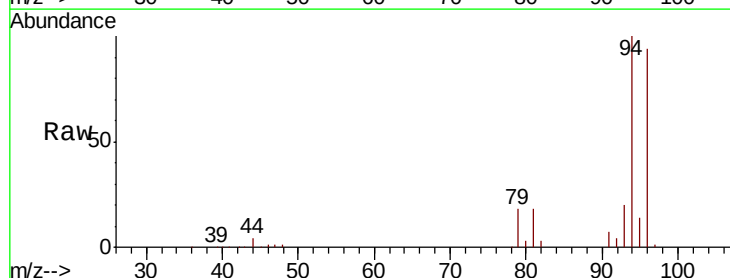
Acq: 26 May 2020 16:36

Tgt Ion: 94 Resp: 107365

Ion Ratio Lower Upper

94 100

96 93.7 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

100000

80000

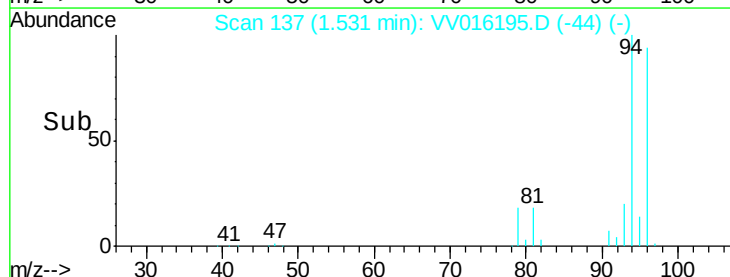
60000

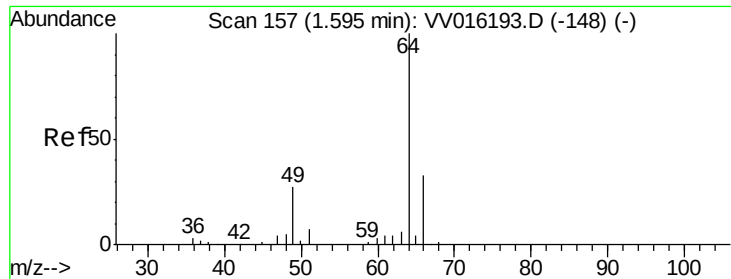
40000

20000

0

Time--> 1.45 1.50 1.55 1.60 1.65

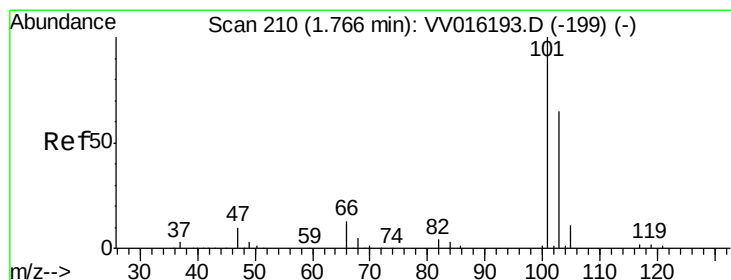
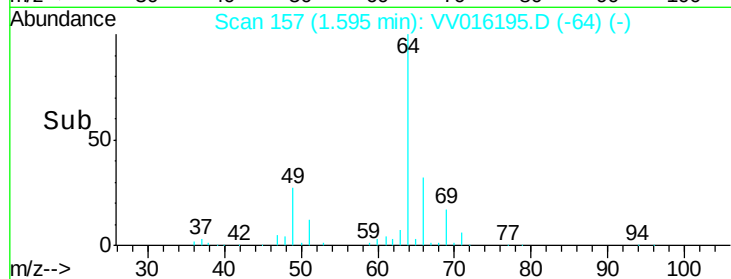
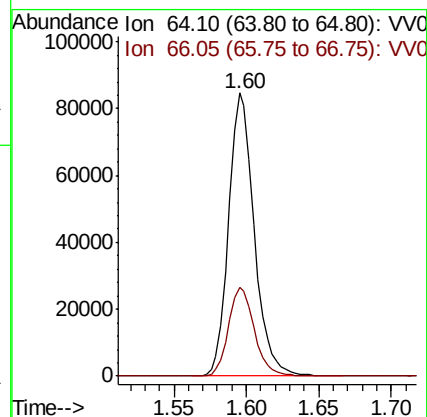
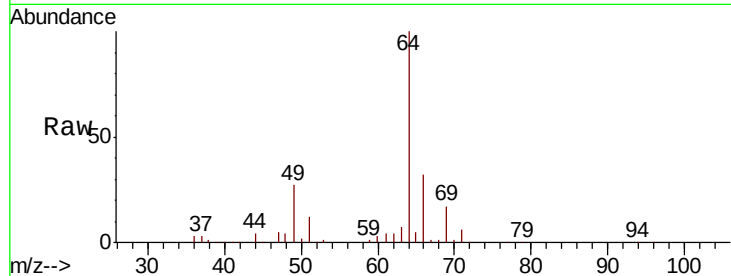




#8
Chloroethane
Concen: 18.102 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

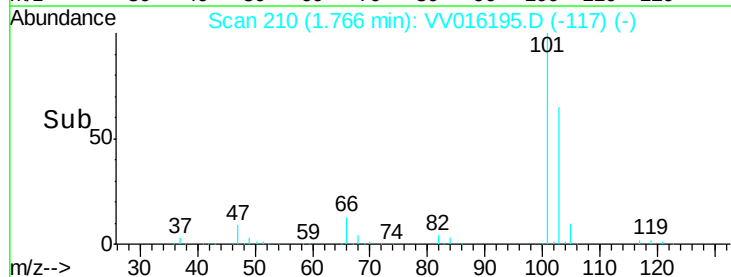
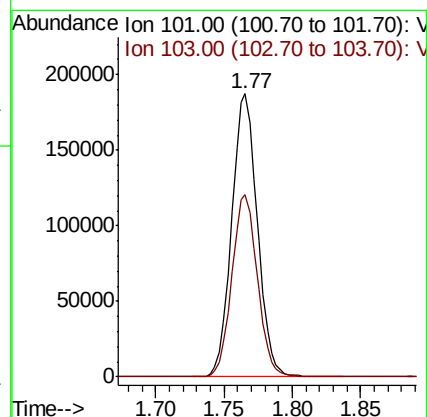
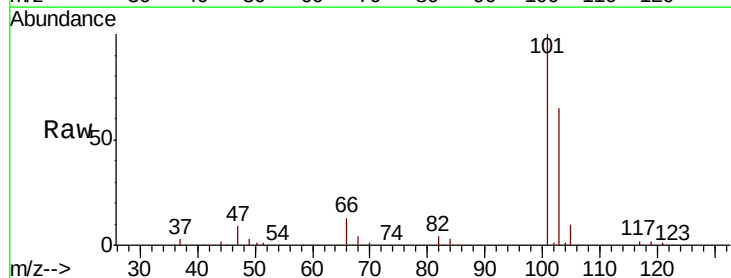
Instrument :
MSVOA_V
ClientSampleId :

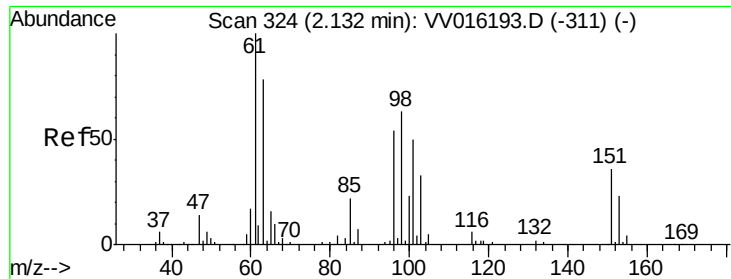
Tot Ion: 64 Resp: 103459
Ion Ratio Lower Upper
64 100
66 31.6 22.9 42.5



#9
Trichlorofluoromethane
Concen: 22.123 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Tgt Ion:101 Resp: 244937
Ion Ratio Lower Upper
101 100
103 64.2 51.9 77.9





#10

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

Concen: 20.384 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

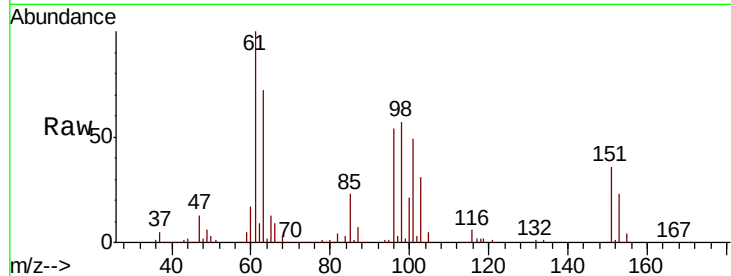
Tot Ion:101 Resp: 127255

Ion Ratio Lower Upper

101 100

85 45.3 35.0 52.6

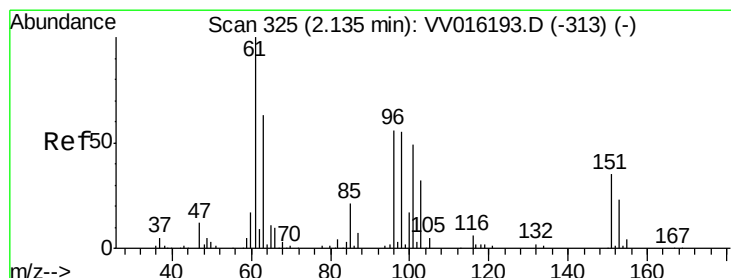
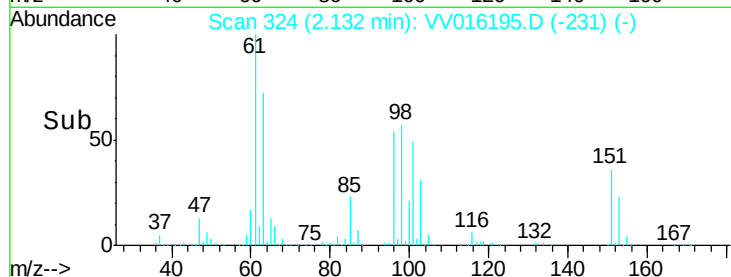
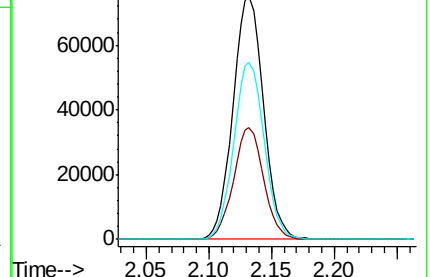
151 72.6 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): VV016193.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV016193.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV016193.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 19.866 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

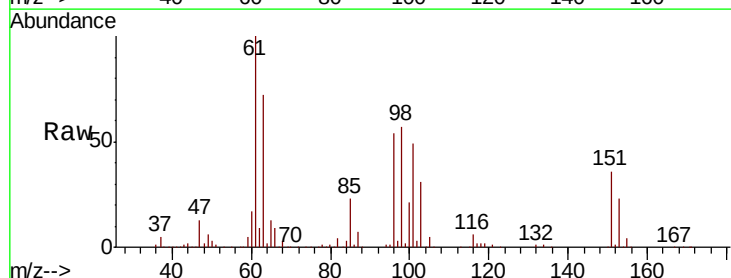
Tgt Ion: 96 Resp: 118067

Ion Ratio Lower Upper

96 100

61 186.5 124.9 231.9

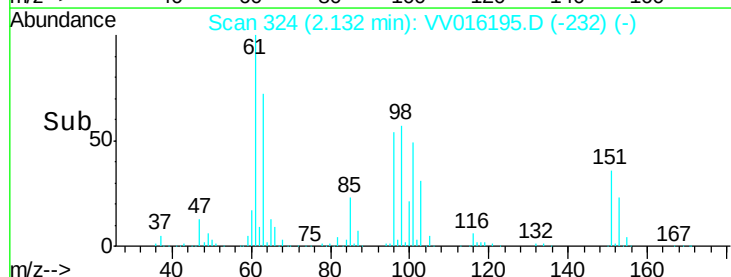
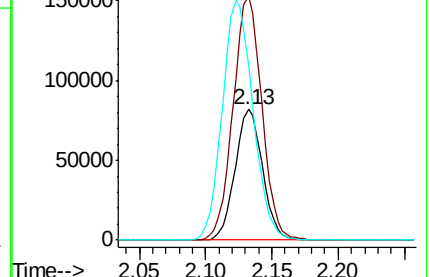
63 133.5 80.4 149.2

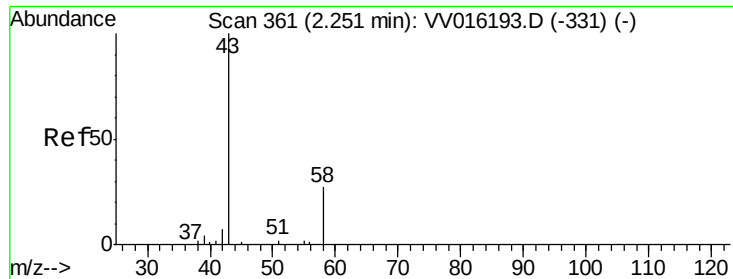


Abundance Ion 96.00 (95.70 to 96.70): VV016193.D (-313) (-)

Ion 61.05 (60.75 to 61.75): VV016193.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV016193.D (-313) (-)





#13

Acetone

Concen: 186.779 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.01 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

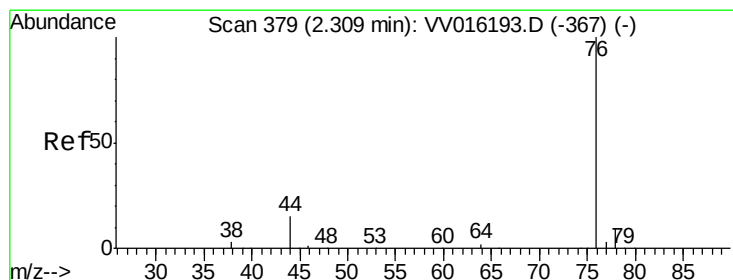
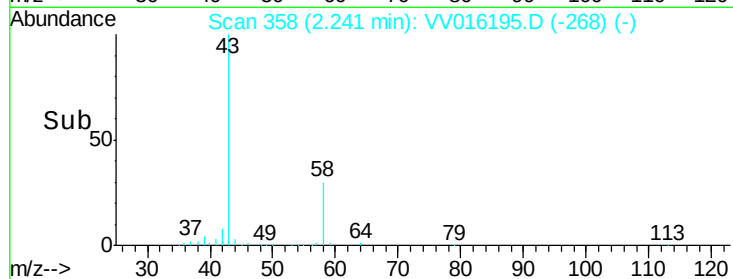
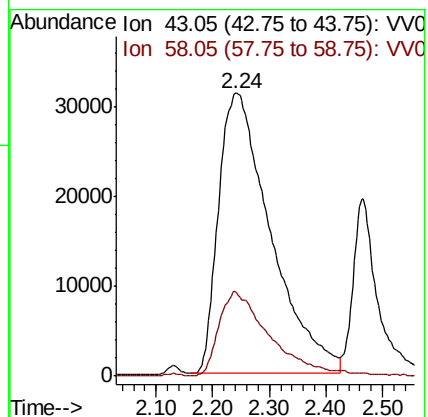
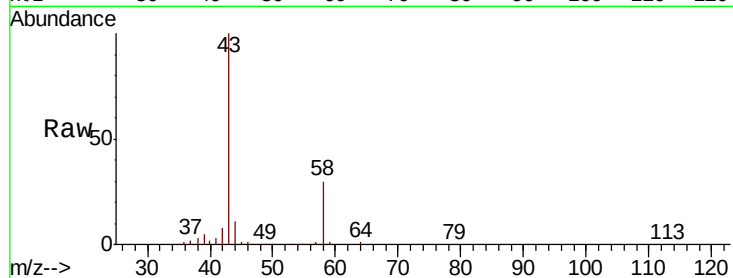
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 200344

Ion Ratio Lower Upper

43 100

58 28.7 0.0 48.8



#14

Carbon disulfide

Concen: 19.955 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016195.D

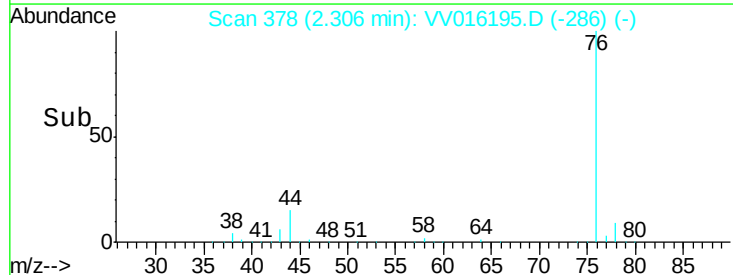
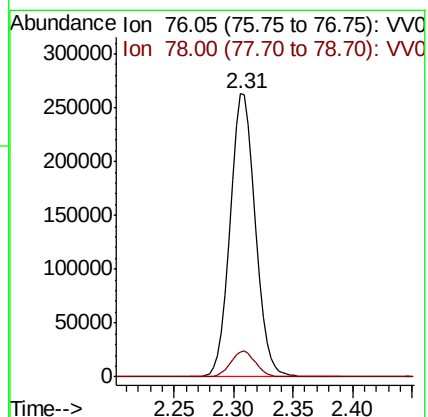
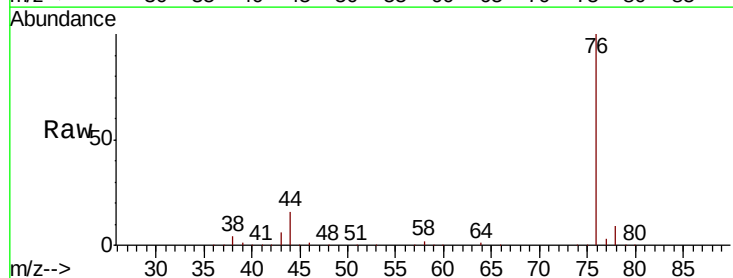
Acq: 26 May 2020 16:36

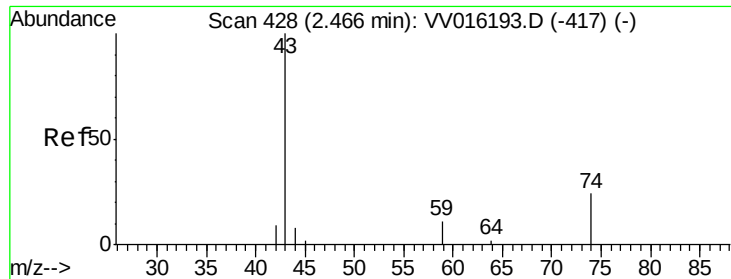
Tgt Ion: 76 Resp: 385992

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0





#15

Methvl Acetate

Concen: 21.493 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

Instrument :

MSVOA_V

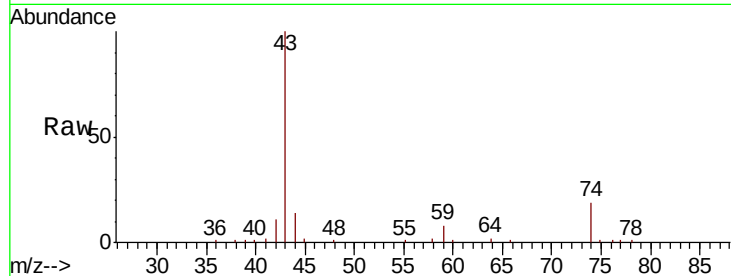
ClientSampleId :

Tot Ion: 43 Resp: 55015

Ion Ratio Lower Upper

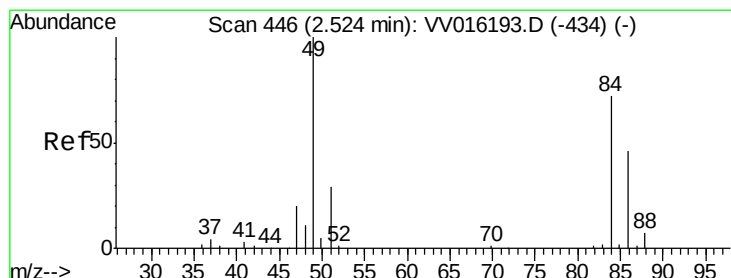
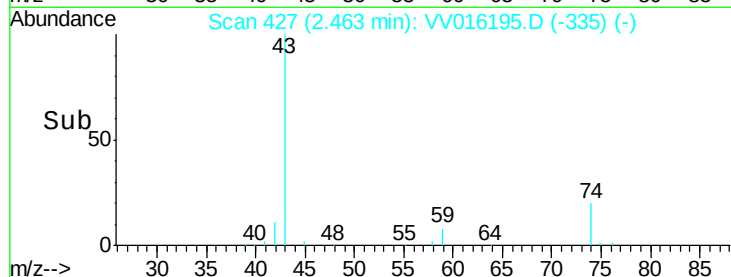
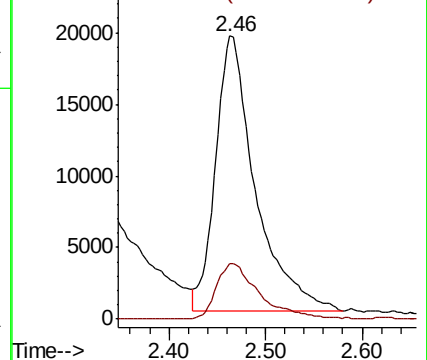
43 100

74 21.9 18.1 27.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 17.964 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

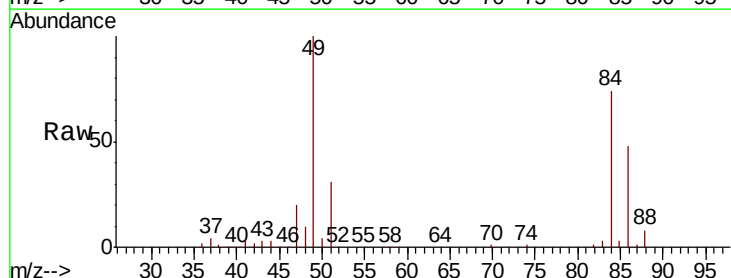
Tgt Ion: 84 Resp: 126265

Ion Ratio Lower Upper

84 100

86 64.6 44.9 83.5

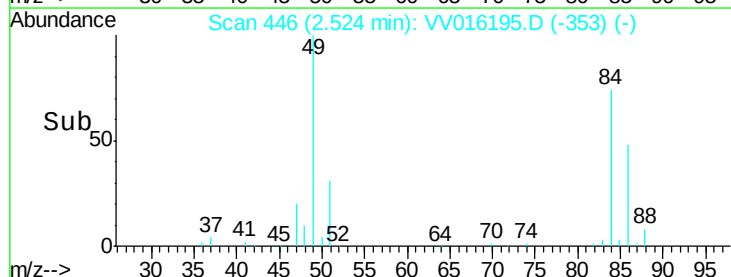
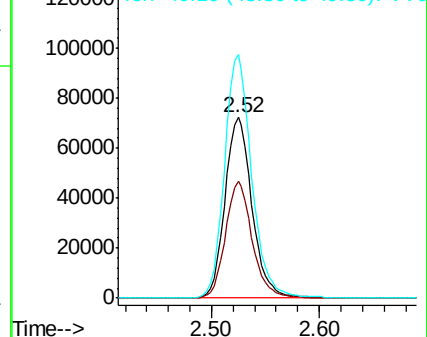
49 135.0 96.7 179.7

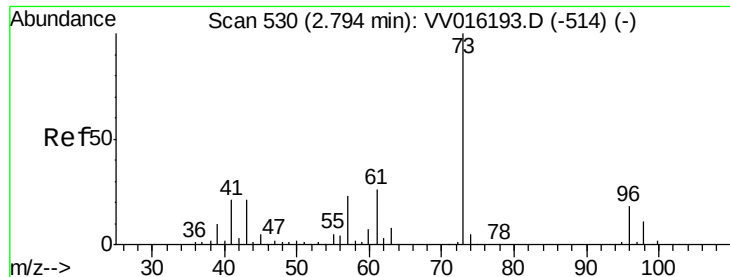


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

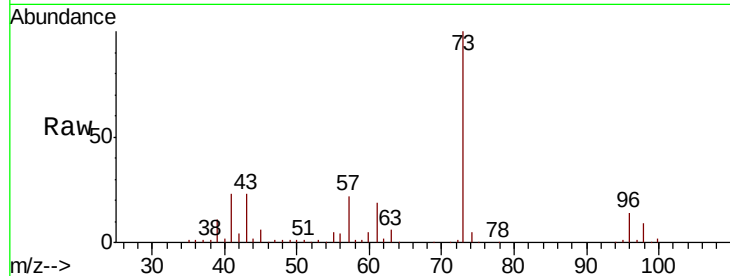




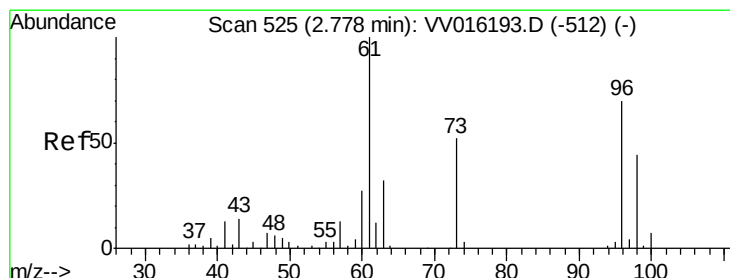
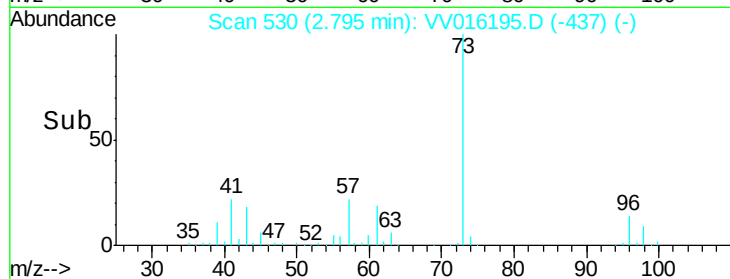
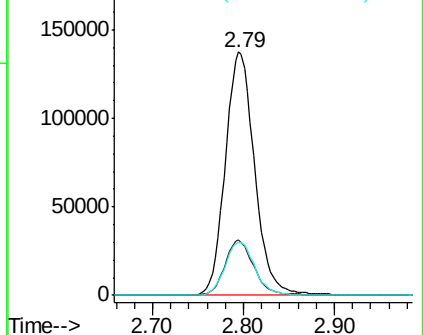
#17
Methyl tert-butyl Ether
Concen: 20.111 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 307389
Ion Ratio Lower Upper
73 100
43 22.1 17.8 26.8
57 22.3 18.9 28.3

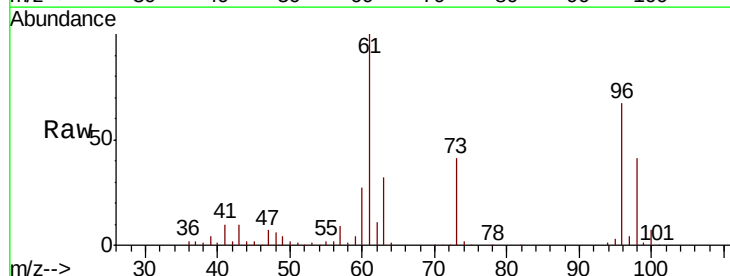


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

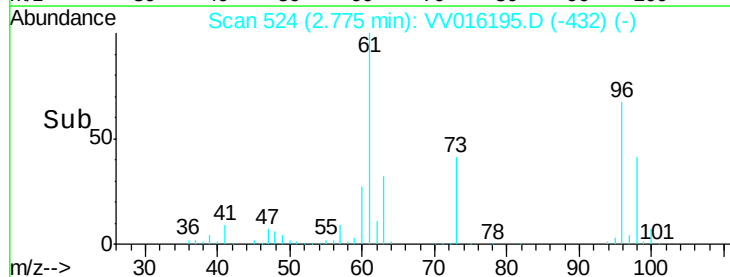
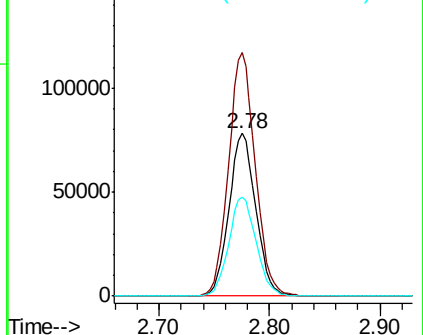


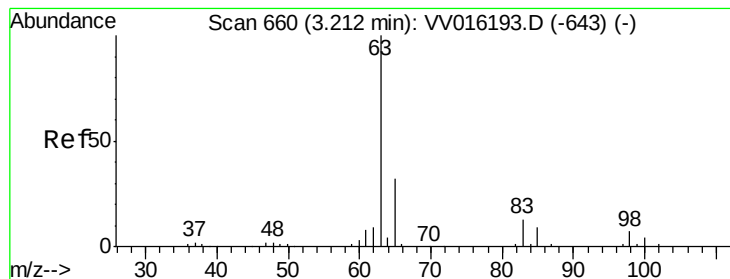
#18
trans-1,2-Dichloroethene
Concen: 20.149 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Tgt Ion: 96 Resp: 131630
Ion Ratio Lower Upper
96 100
61 149.8 99.8 185.4
98 61.2 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 21.705 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :

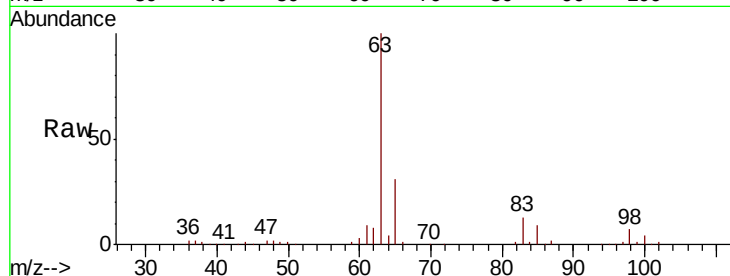
Tot Ion: 63 Resp: 270648

Ion Ratio Lower Upper

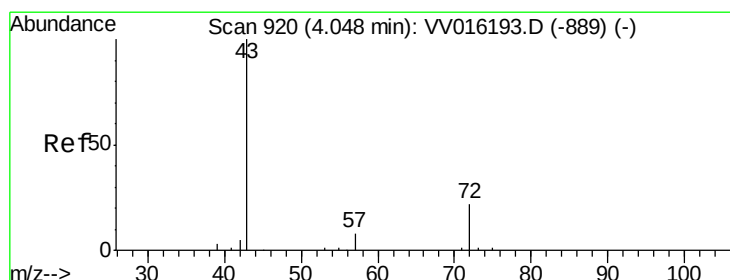
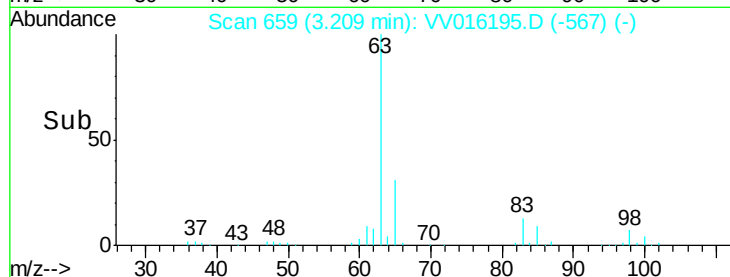
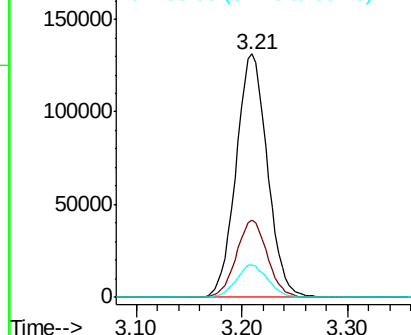
63 100

65 31.5 22.3 41.5

83 13.3 9.4 17.4



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 242.488 ug/L

RT: 4.05 min Scan# 919

Delta R.T. -0.00 min

Lab File: VV016195.D

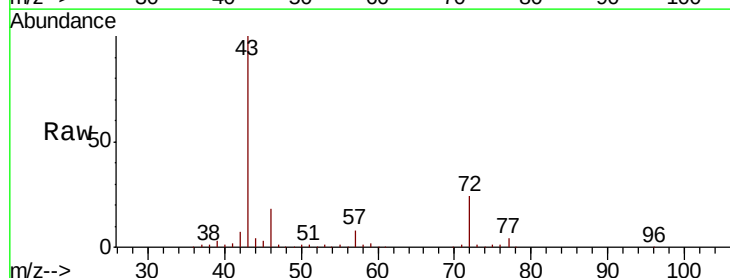
Acq: 26 May 2020 16:36

Tgt Ion: 43 Resp: 411089

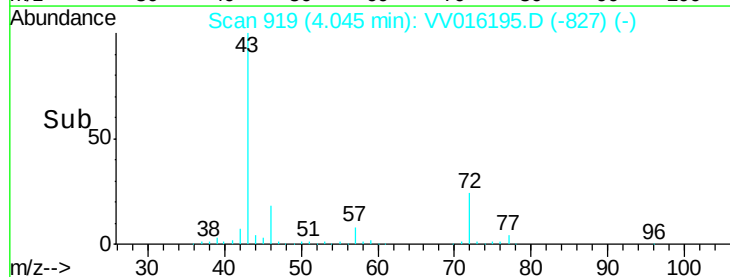
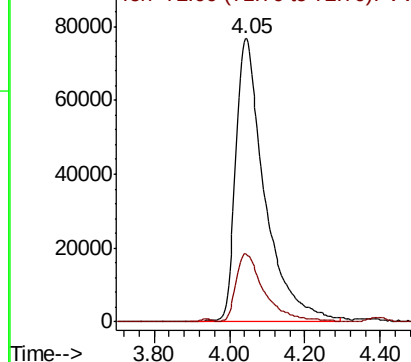
Ion Ratio Lower Upper

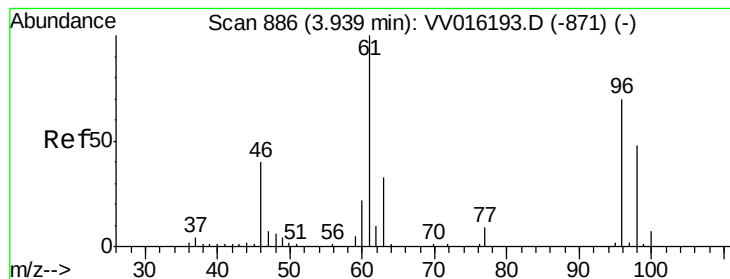
43 100

72 22.9 9.7 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0



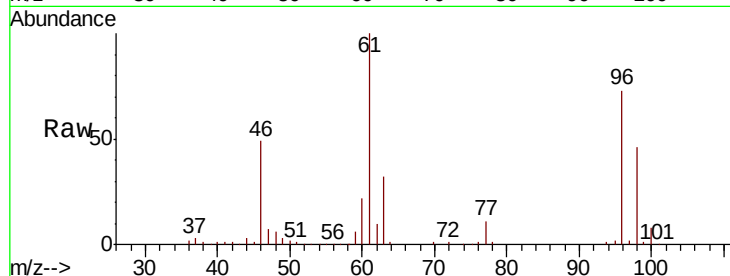


#22

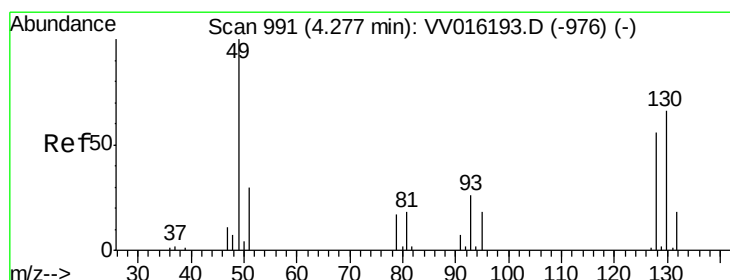
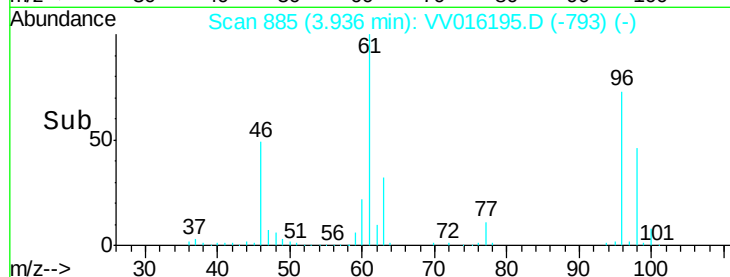
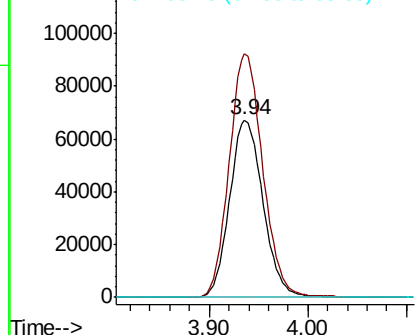
cis-1,2-Dichloroethene
Concen: 22.807 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 158603
Ion Ratio Lower Upper
96 100
61 137.1 99.7 185.1
68 0.0 0.0 0.0



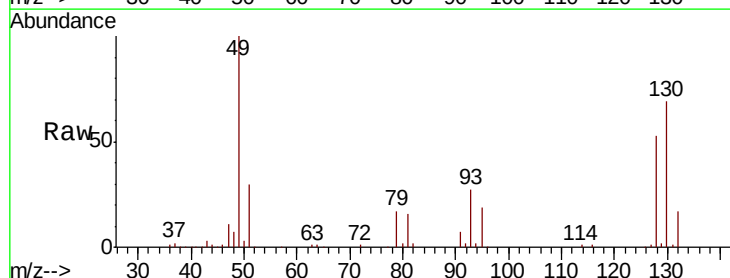
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



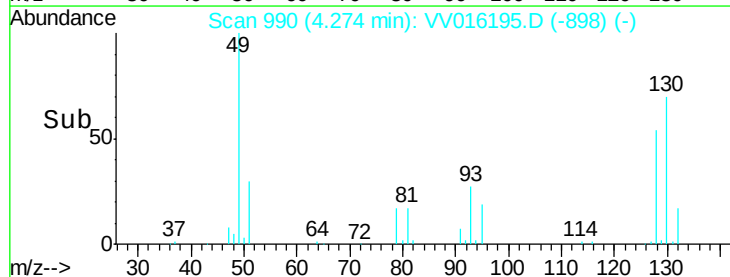
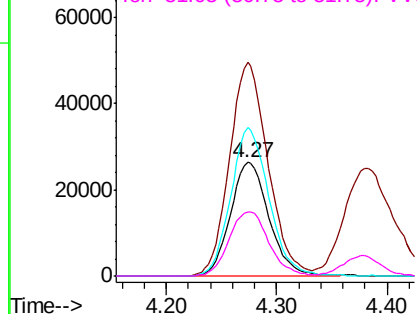
#23

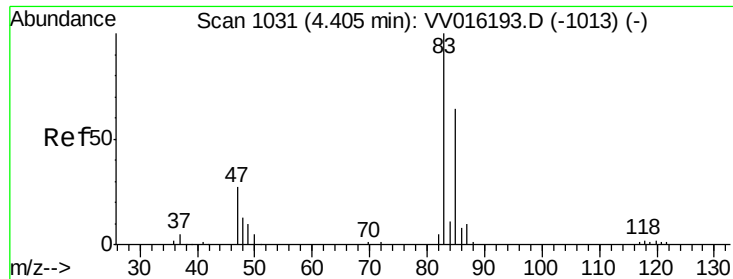
Bromochloromethane
Concen: 21.932 ug/L
RT: 4.27 min Scan# 990
Delta R.T. -0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Tgt Ion: 128 Resp: 64012
Ion Ratio Lower Upper
128 100
49 187.9 125.5 233.1
130 130.6 83.0 154.2
51 56.6 42.9 64.3



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

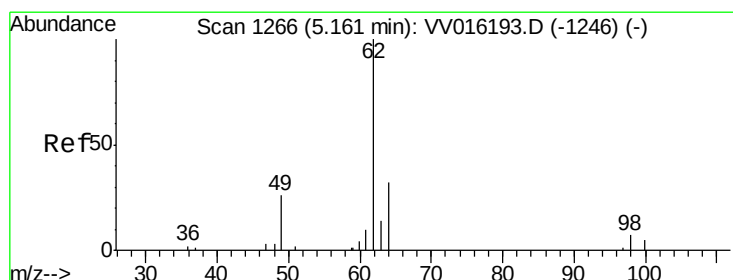
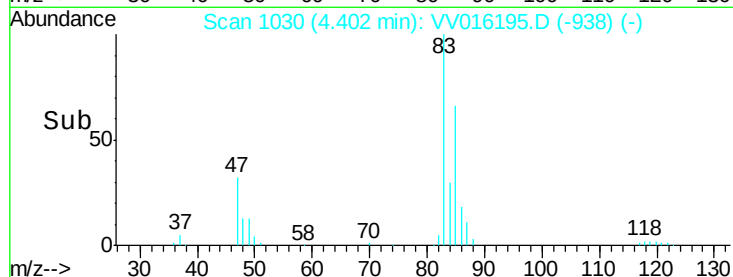
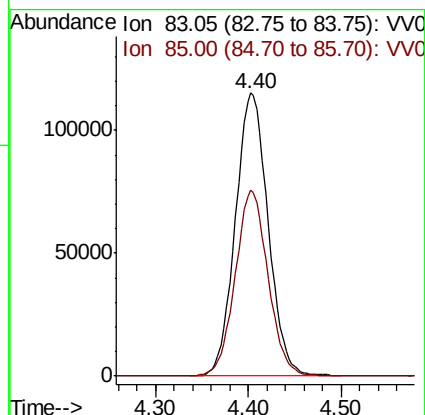
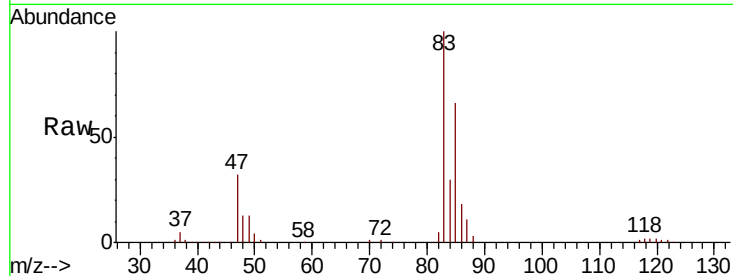




#25
Chloroform
Concen: 20.587 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

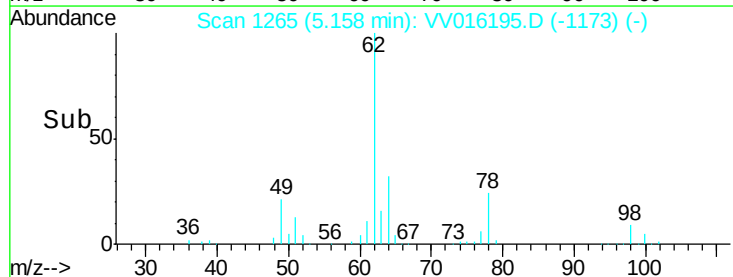
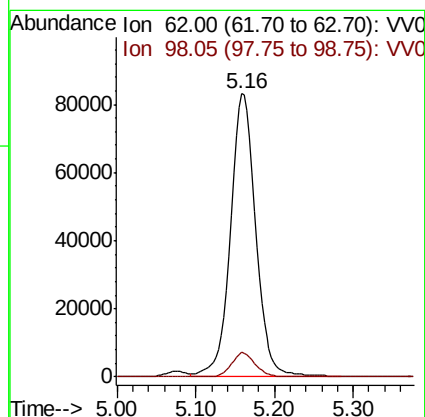
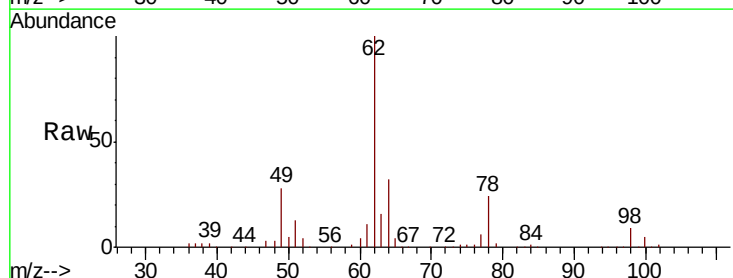
Instrument :
MSVOA_V
ClientSampled :

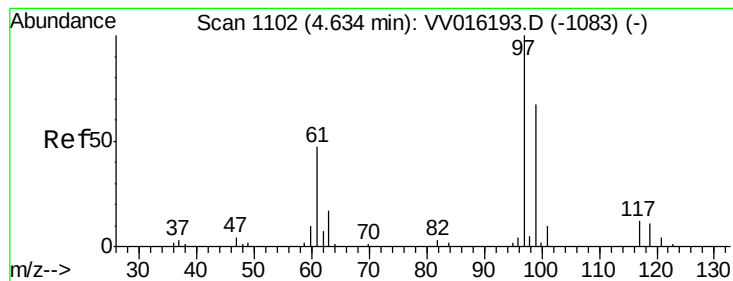
Tot Ion: 83 Resp: 282394
Ion Ratio Lower Upper
83 100
85 65.7 45.1 83.7



#27
1,2-Dichloroethane
Concen: 21.482 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Tgt Ion: 62 Resp: 184369
Ion Ratio Lower Upper
62 100
98 8.6 5.7 8.5#





#29

1,1,1-Trichloroethane

Concen: 21.994 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

Instrument :
MSVOA_V
ClientSampled :

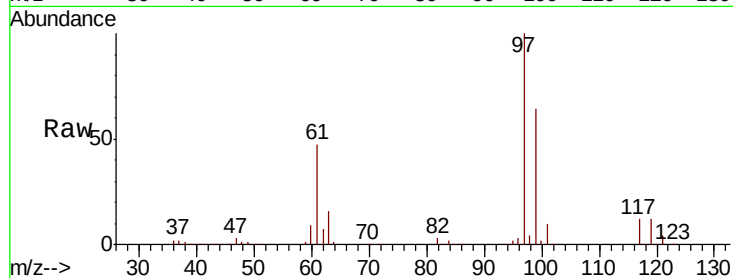
Tot Ion: 97 Resp: 256446

Ion Ratio Lower Upper

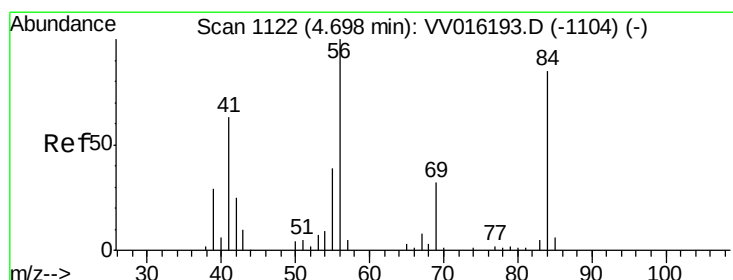
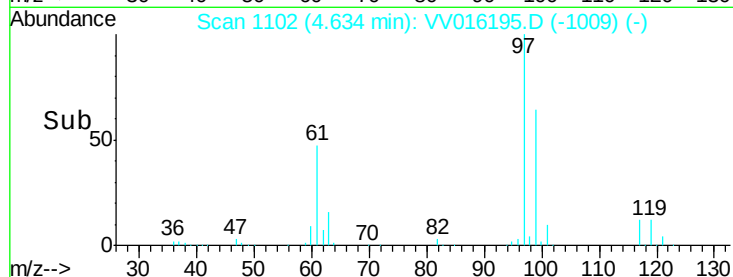
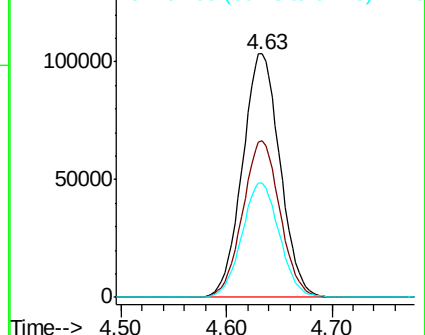
97 100

99 63.9 51.2 76.8

61 47.0 38.6 57.8



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 23.525 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

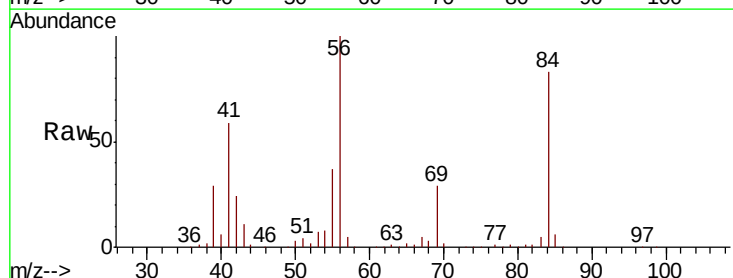
Tgt Ion: 56 Resp: 278571

Ion Ratio Lower Upper

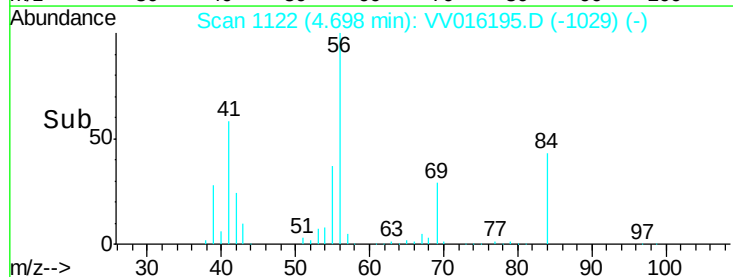
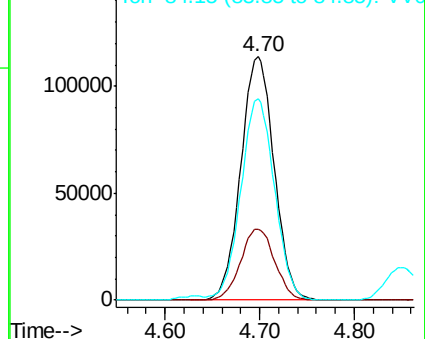
56 100

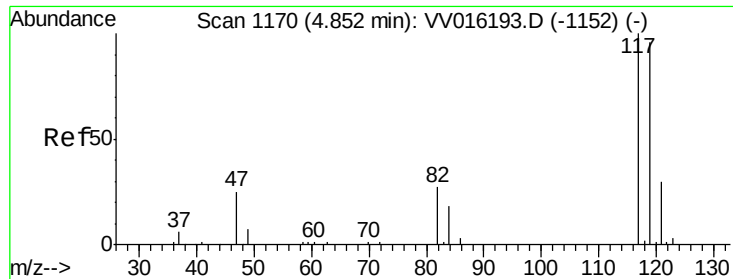
69 29.8 24.6 36.8

84 83.7 67.1 100.7



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

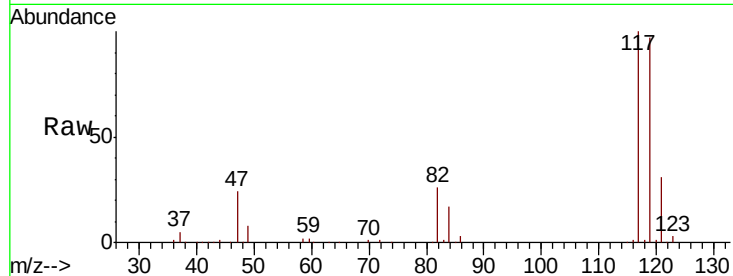




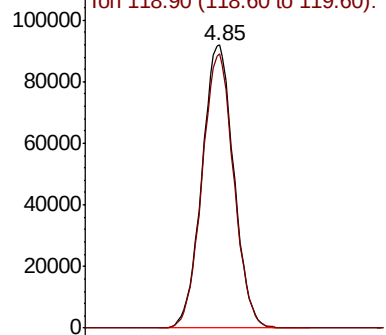
#31
Carbon tetrachloride
Concen: 21.742 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :

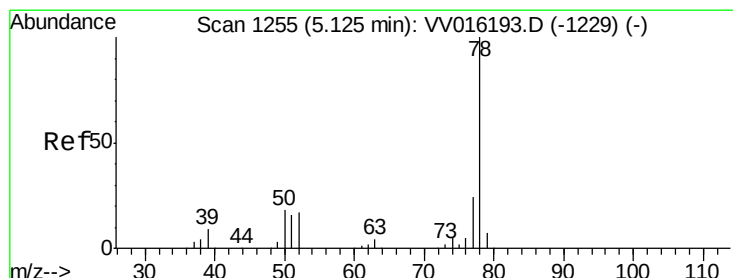
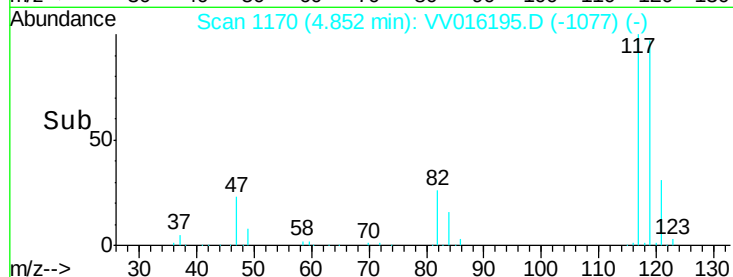
Tot Ion:117 Resp: 218559
Ion Ratio Lower Upper
117 100
119 96.5 75.2 112.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

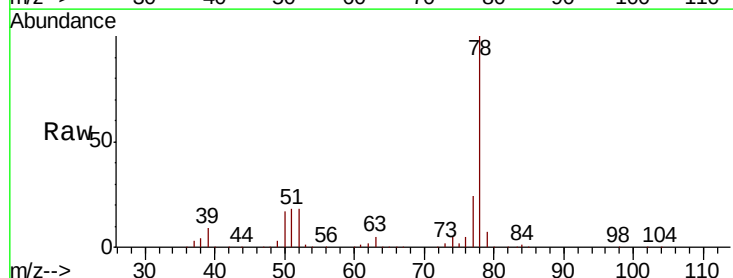


Time-->

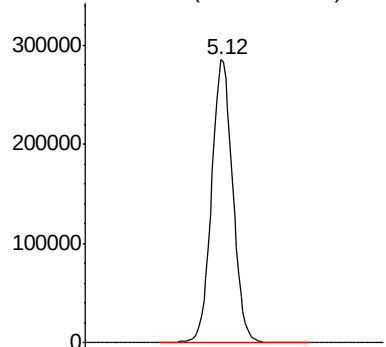


#33
Benzene
Concen: 22.845 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

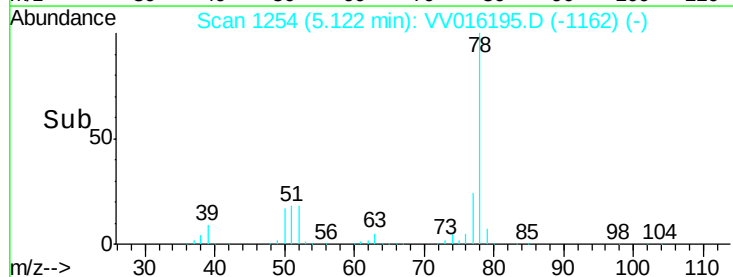
Tgt Ion: 78 Resp: 615616

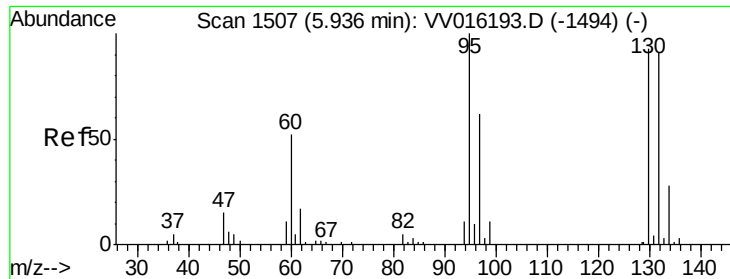


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->





#34

Trichloroethene

Concen: 21.268 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 160154

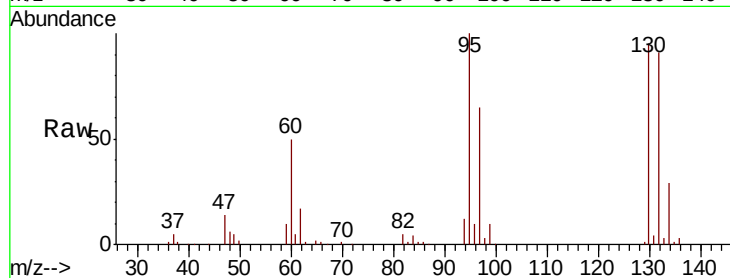
Ion Ratio Lower Upper

95 100

97 64.5 43.6 81.0

132 91.4 63.9 118.7

130 95.4 65.2 121.0

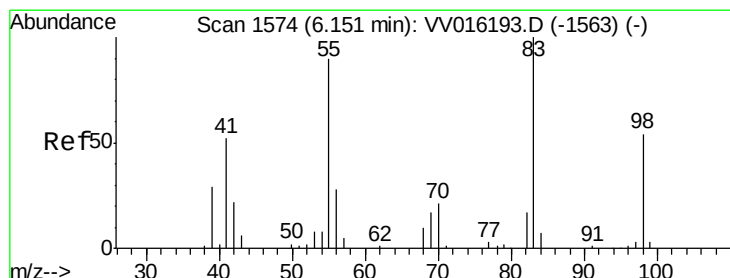
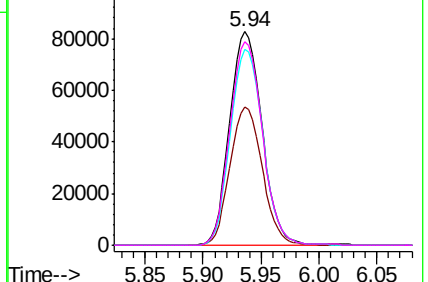
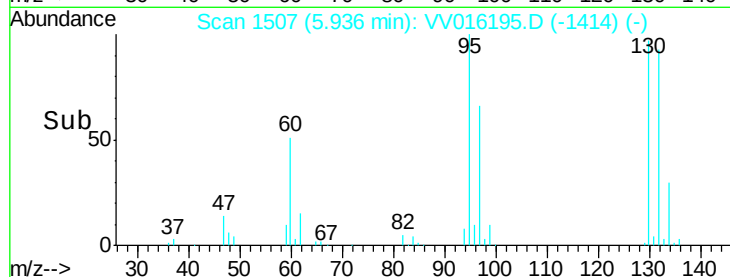


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 24.082 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

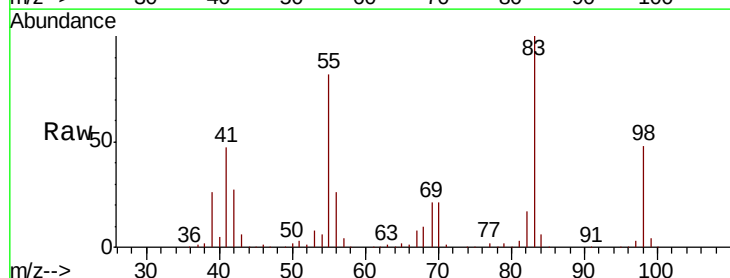
Tgt Ion: 83 Resp: 280691

Ion Ratio Lower Upper

83 100

55 81.0 65.4 98.0

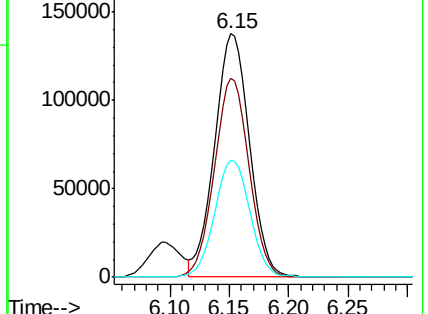
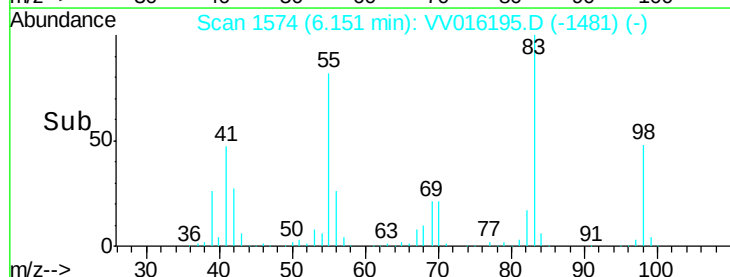
98 48.5 39.3 58.9

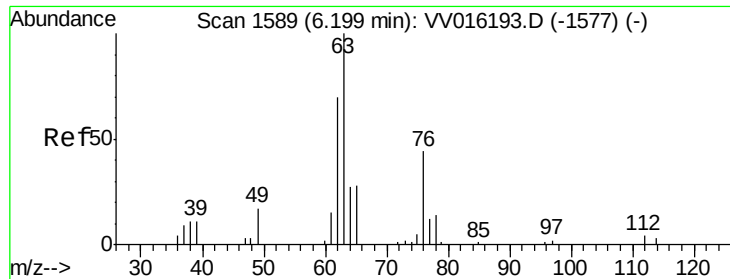


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

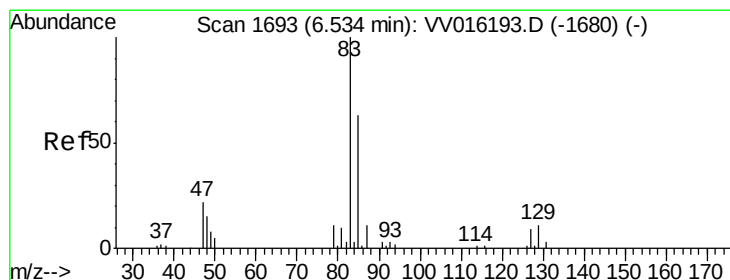
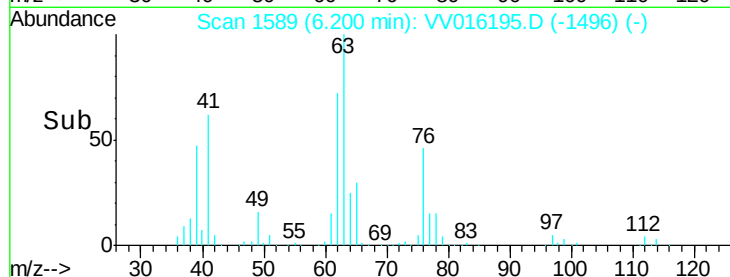
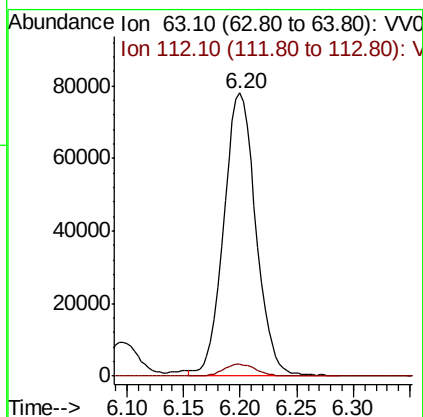
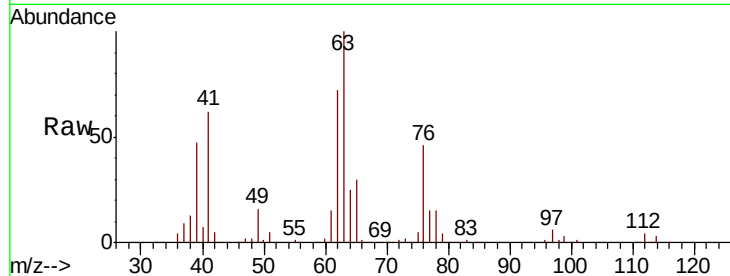




#37
 1,2-Dichloropropane
 Concen: 22.402 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016195.D
 Acq: 26 May 2020 16:36

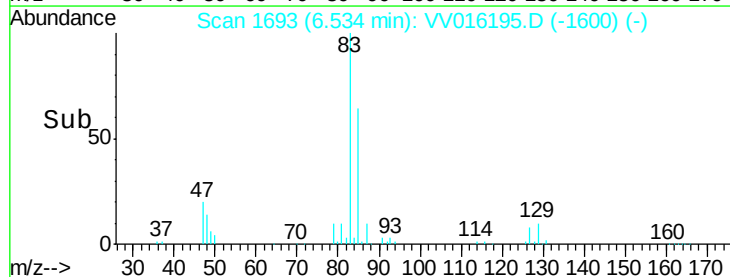
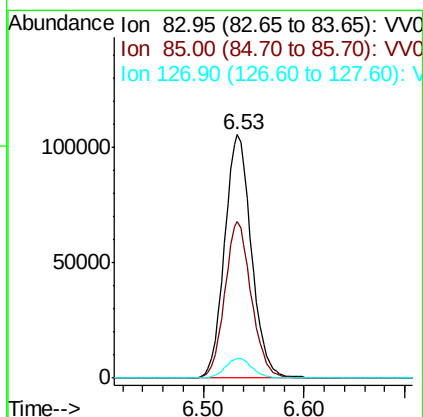
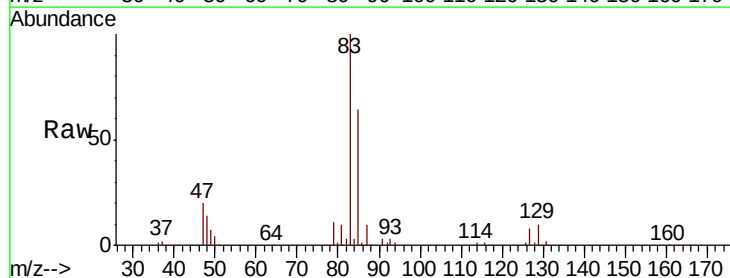
Instrument :
 MSVOA_V
 ClientSampleId :

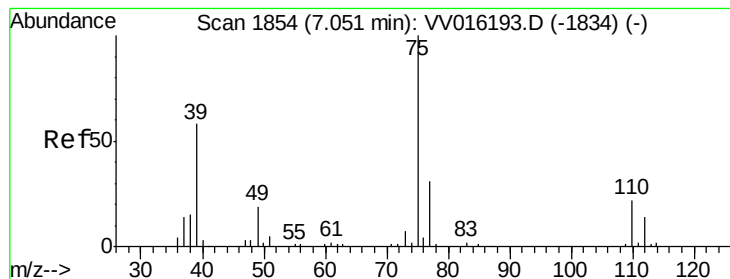
Tot Ion: 63 Resp: 153454
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.1 4.7



#38
 Bromodichloromethane
 Concen: 22.916 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016195.D
 Acq: 26 May 2020 16:36

Tgt Ion: 83 Resp: 196130
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.2 82.2
 127 8.0 7.1 10.7



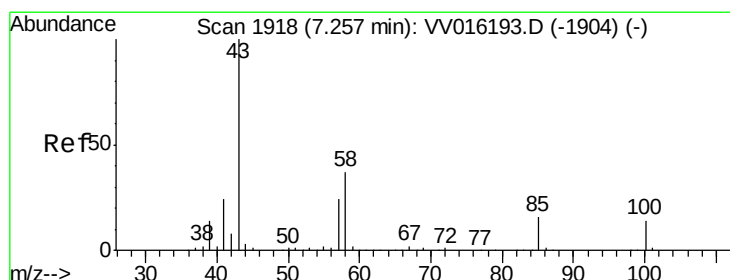
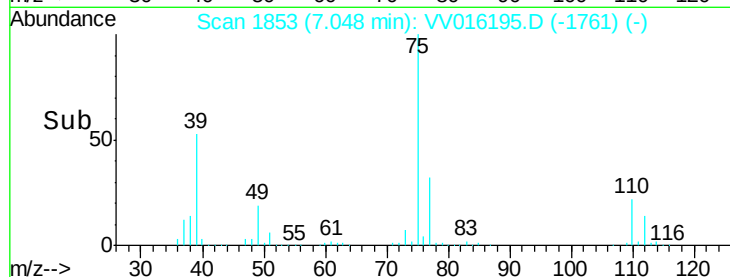
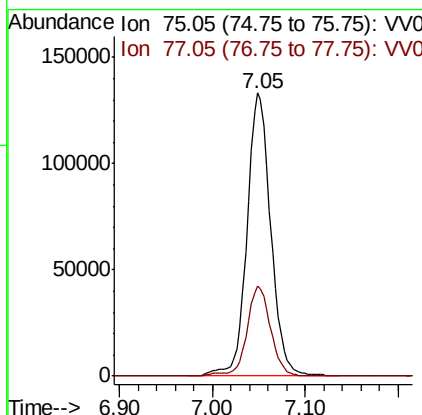
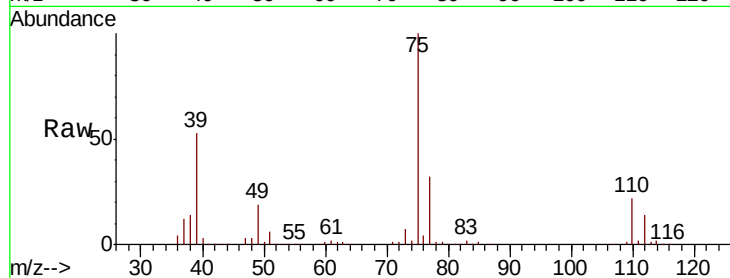


#39

cis-1,3-Dichloropropene
Concen: 24.657 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Instrument :
MSVOA_V
ClientSampled :

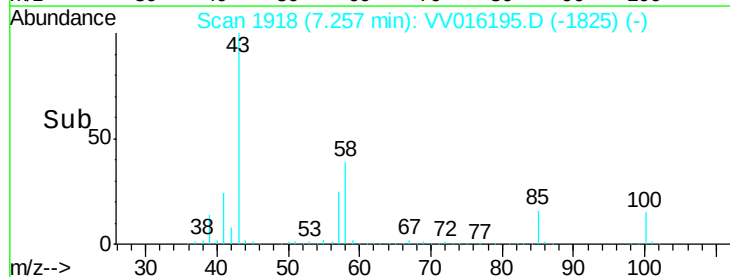
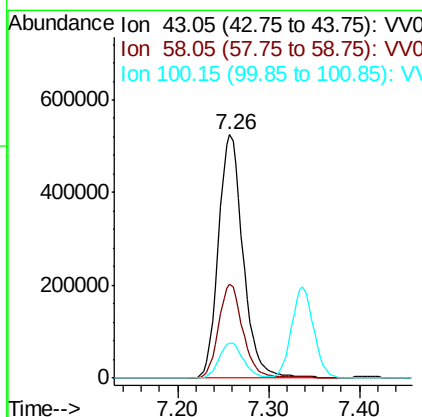
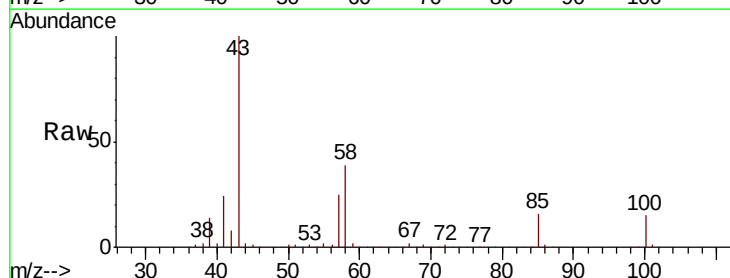
Tot Ion: 75 Resp: 236882
Ion Ratio Lower Upper
75 100
77 31.6 21.7 40.3

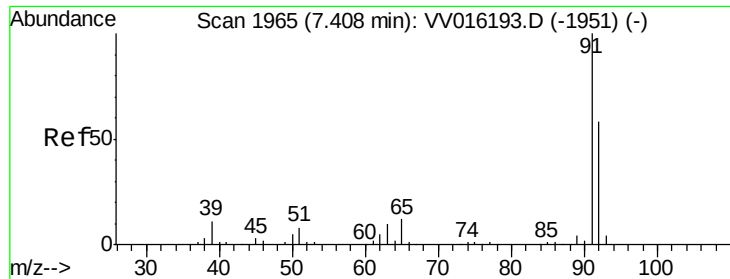


#40

4-Methyl-2-pentanone
Concen: 233.529 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Tgt Ion: 43 Resp: 990802
Ion Ratio Lower Upper
43 100
58 37.7 29.5 44.3
100 14.3 11.1 16.7





#42

Toluene

Concen: 23.750 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

Instrument :

MSVOA_V

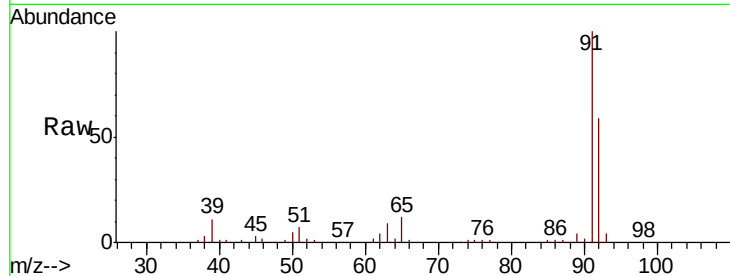
ClientSampleId :

Tot Ion: 91 Resp: 680372

Ion Ratio Lower Upper

91 100

92 58.7 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016195.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV016195.D (-1872) (-)

7.41

400000

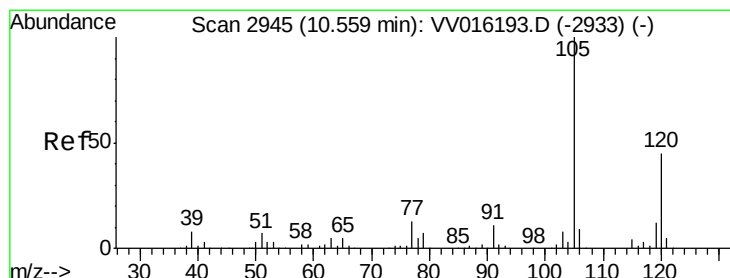
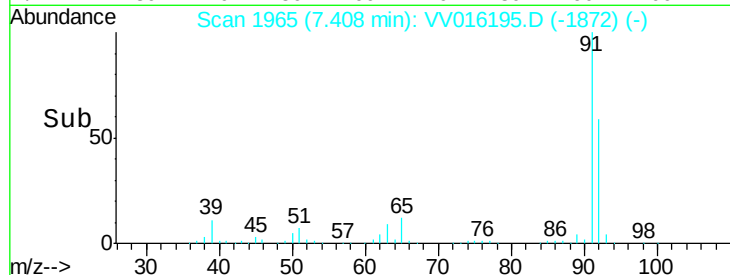
300000

200000

100000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 25.137 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016195.D

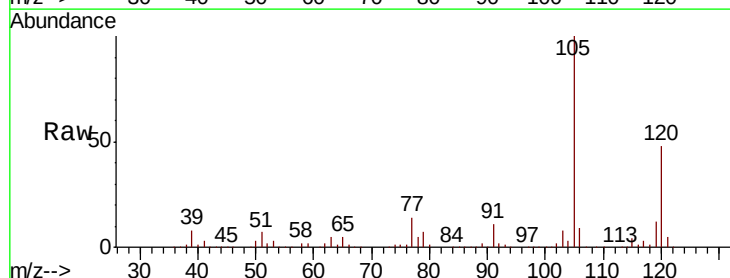
Acq: 26 May 2020 16:36

Tgt Ion:105 Resp: 666008

Ion Ratio Lower Upper

105 100

120 47.9 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VV016195.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV016195.D (-2323) (-)

10.56

500000

400000

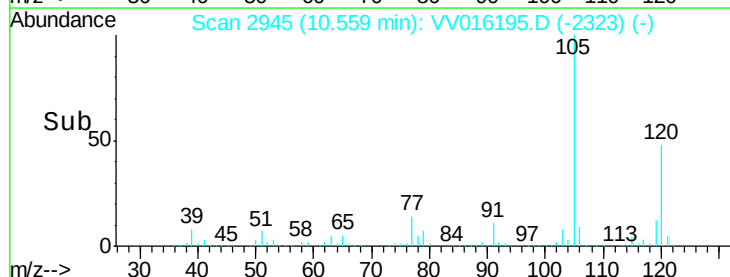
300000

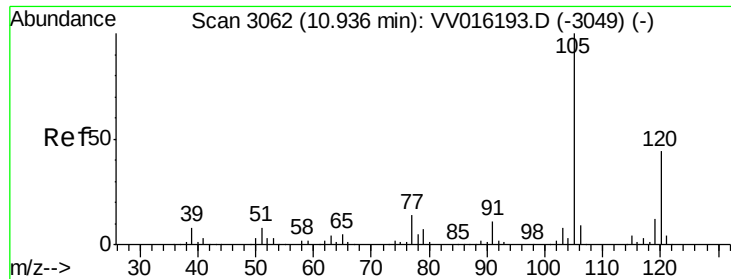
200000

100000

0

Time-->

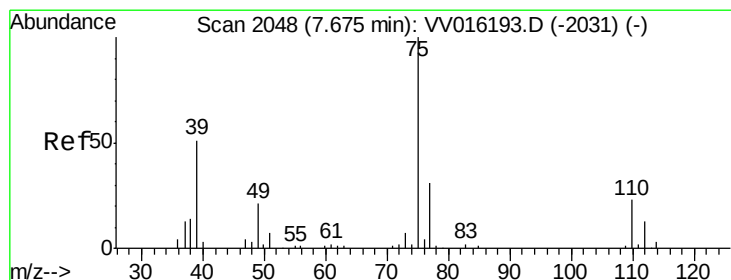
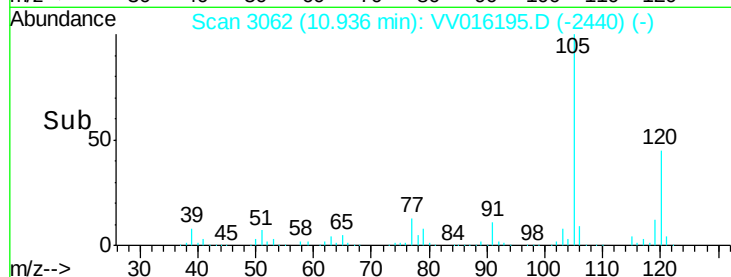
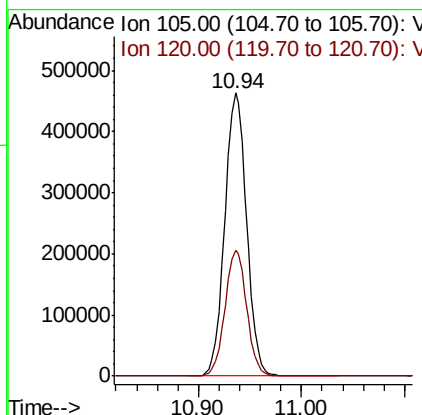
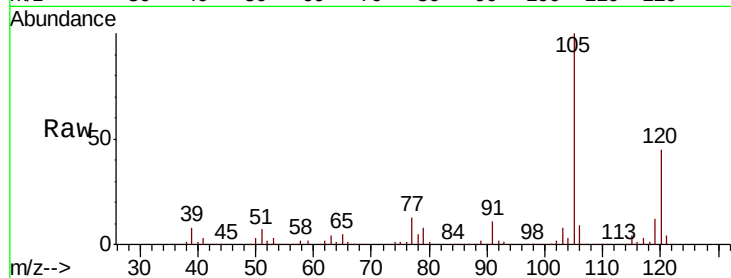




#44
1,2,4-Trimethylbenzene
Concen: 25.775 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

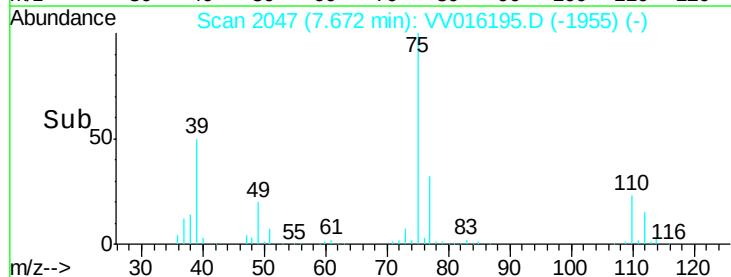
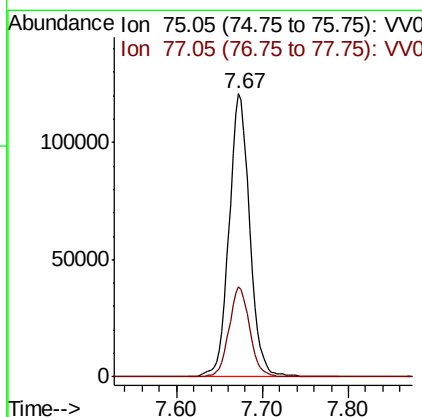
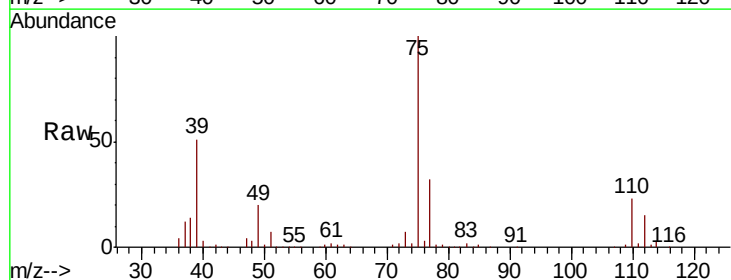
Instrument :
MSVOA_V
ClientSampled :

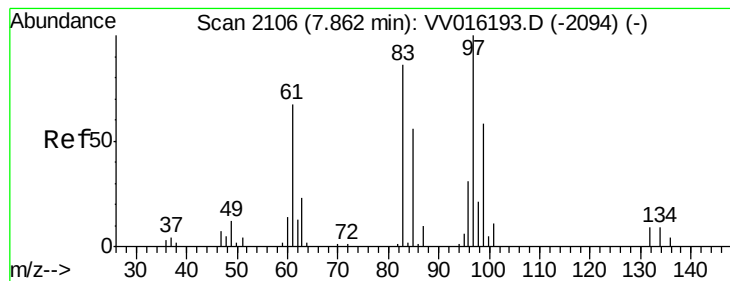
Tot Ion:105 Resp: 683525
Ion Ratio Lower Upper
105 100
120 44.2 34.6 52.0



#46
trans-1,3-Dichloropropene
Concen: 24.789 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. -0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Tgt Ion: 75 Resp: 201209
Ion Ratio Lower Upper
75 100
77 31.8 21.7 40.3





#47

1,1,2-Trichloroethane

Concen: 22.636 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 103104

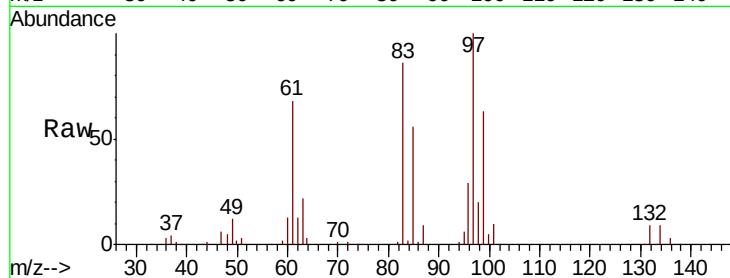
Ion Ratio Lower Upper

97 100

99 62.9 40.8 75.8

83 86.5 60.0 111.4

85 55.6 39.3 73.1

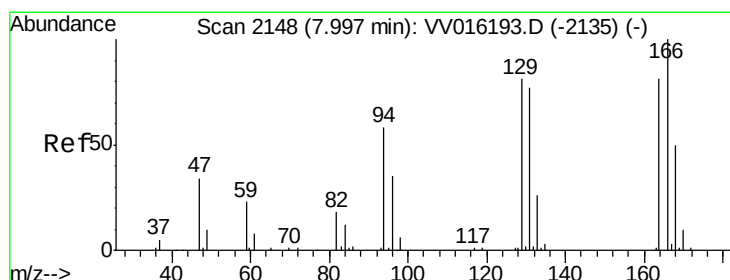
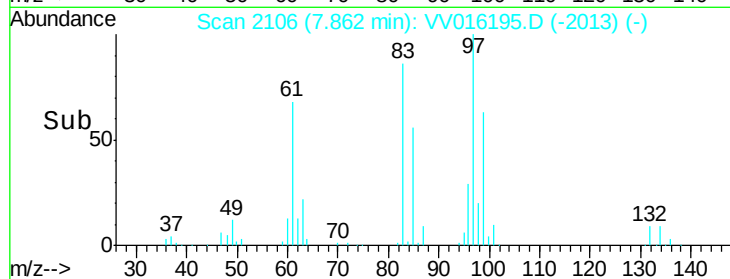
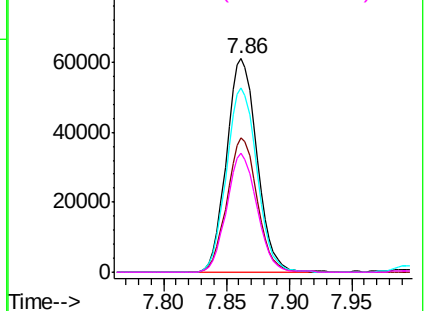


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#49

Tetrachloroethene

Concen: 22.277 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

Tgt Ion: 164 Resp: 118391

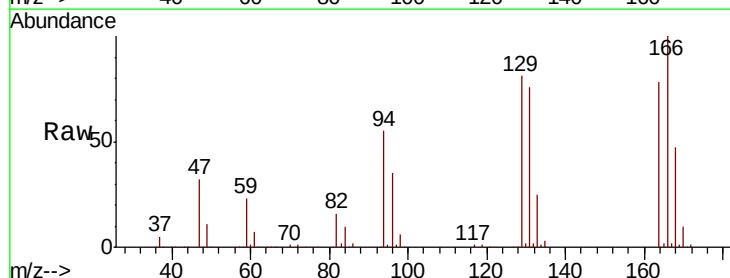
Ion Ratio Lower Upper

164 100

129 103.2 70.7 131.3

131 96.7 66.6 123.8

166 128.0 86.9 161.5

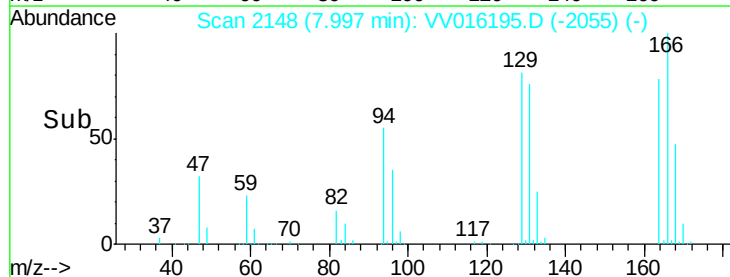
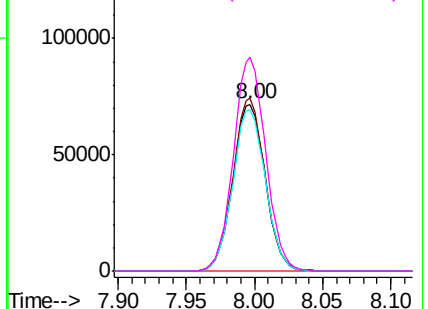


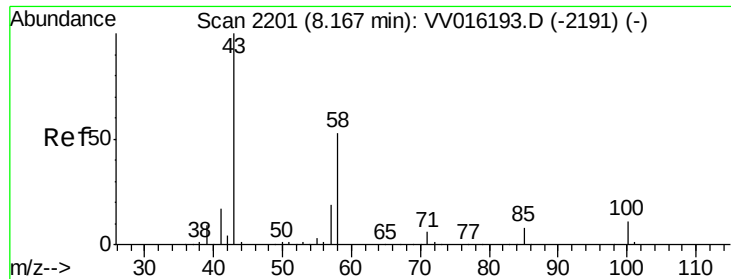
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

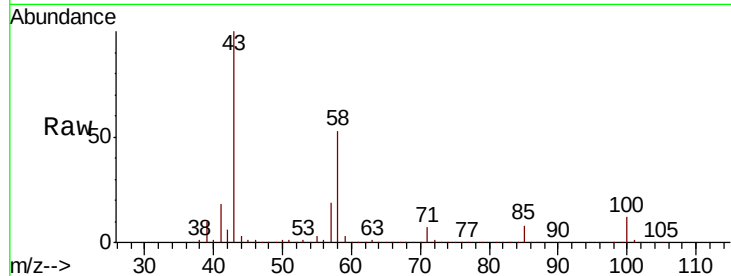




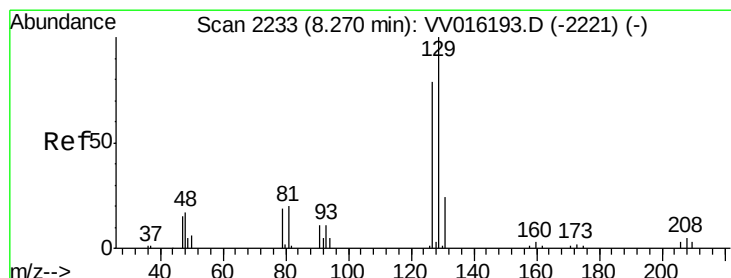
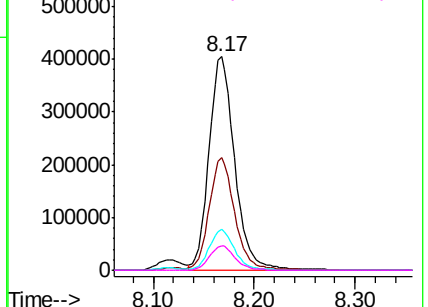
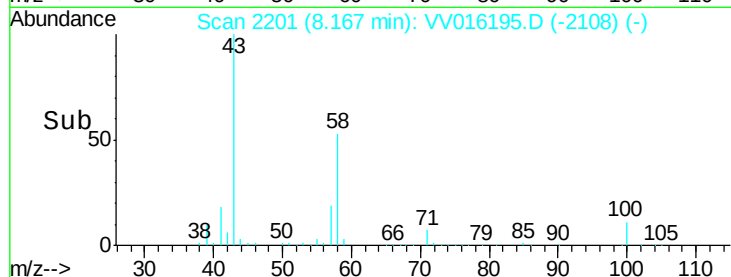
#50
2-Hexanone
Concen: 238.486 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 711344
Ion Ratio Lower Upper
43 100
58 52.3 41.4 62.0
57 18.6 15.0 22.4
100 11.4 9.0 13.4

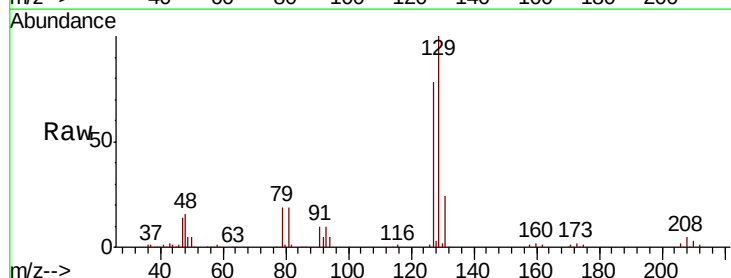


Abundance Ion 43.05 (42.75 to 43.75): VV016195.D (-2108) (-)
Ion 58.05 (57.75 to 58.75): VV016195.D (-2108) (-)
Ion 57.20 (56.90 to 57.90): VV016195.D (-2108) (-)
Ion 100.15 (99.85 to 100.85): VV016195.D (-2108) (-)

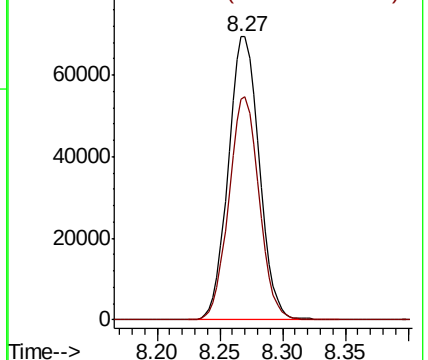
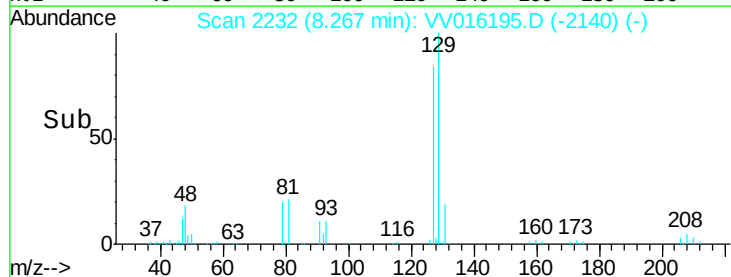


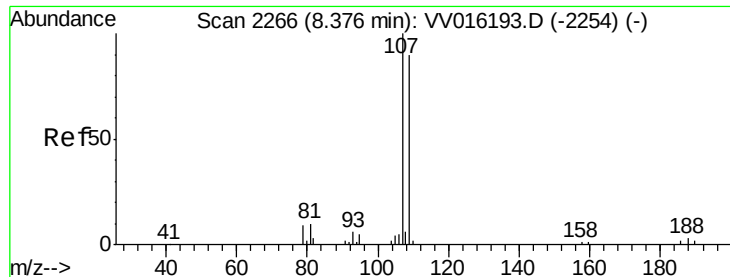
#51
Dibromochloromethane
Concen: 23.771 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Tgt Ion: 129 Resp: 119031
Ion Ratio Lower Upper
129 100
127 78.0 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): VV016195.D (-2140) (-)
Ion 126.90 (126.60 to 127.60): VV016195.D (-2140) (-)

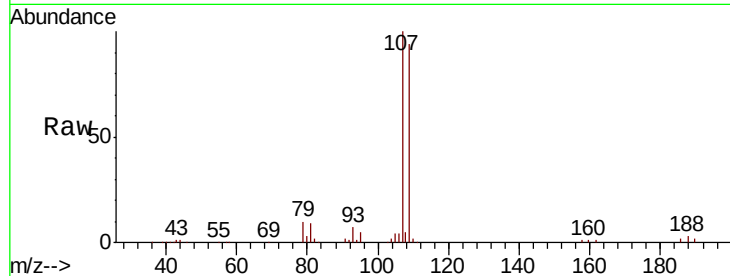




#52
 1,2-Dibromoethane
 Concen: 23.243 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV016195.D
 Acq: 26 May 2020 16:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	63.1	117.3
188	3.4	2.6	4.0

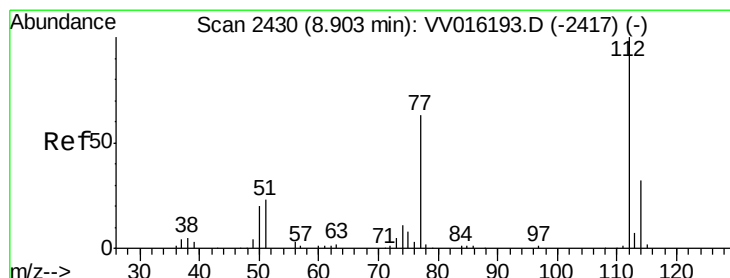
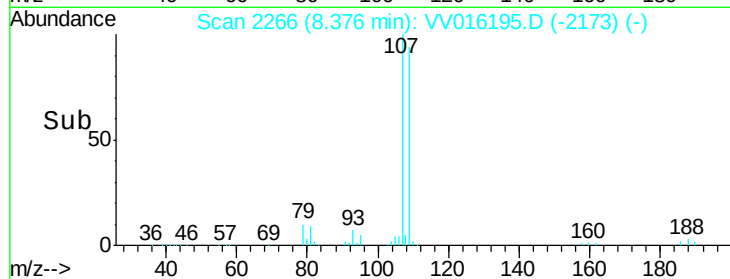
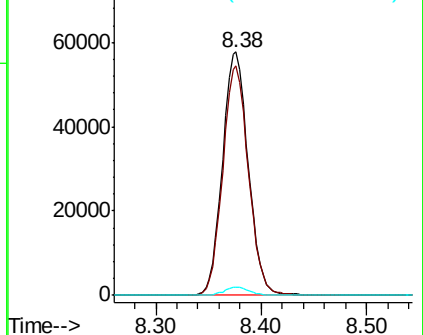


Abundance

Ion 106.95 (106.65 to 107.65): V

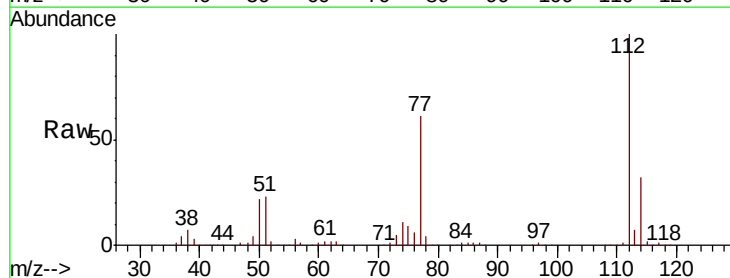
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#53
 Chlorobenzene
 Concen: 23.119 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016195.D
 Acq: 26 May 2020 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.3	41.3
77	60.8	50.7	76.1

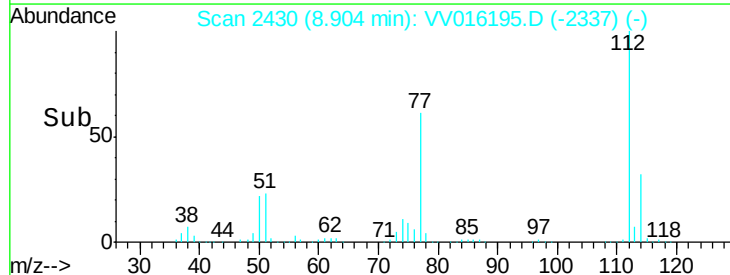
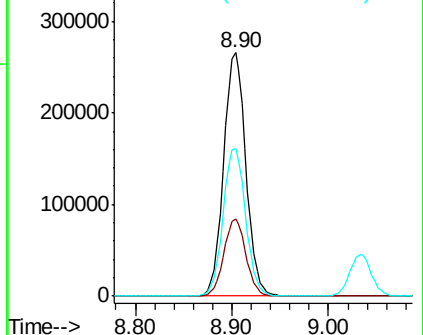


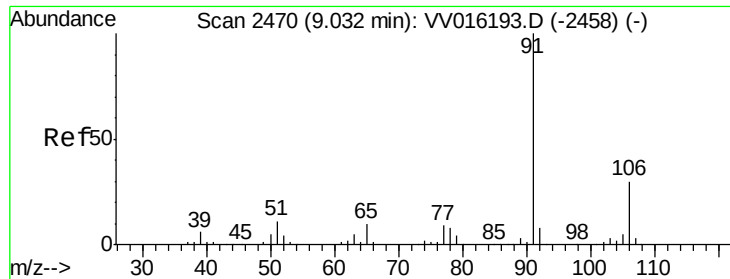
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#54

Ethylbenzene

Concen: 23.981 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

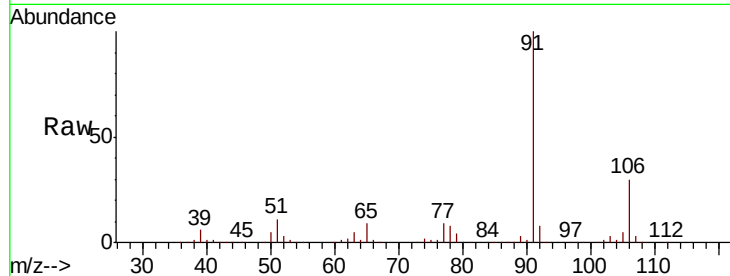
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 783688

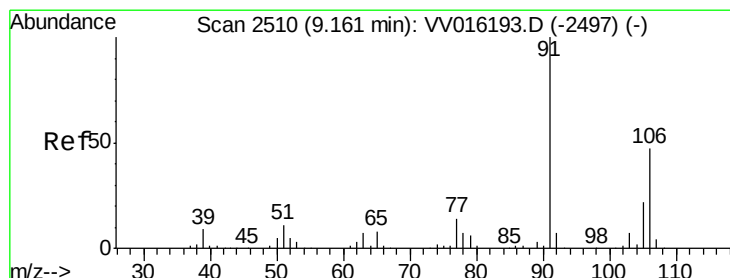
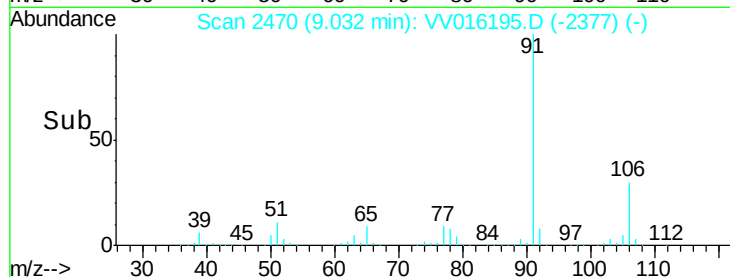
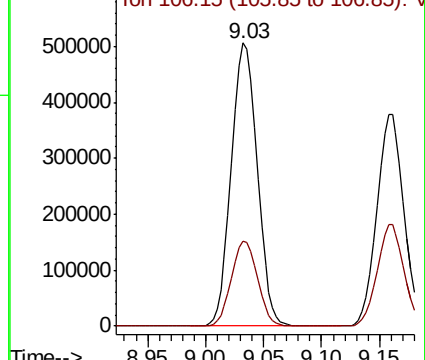
Ion Ratio Lower Upper

91 100

106 30.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV016195.D (-2377) (-)



#55

m,p-xylene

Concen: 24.262 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016195.D

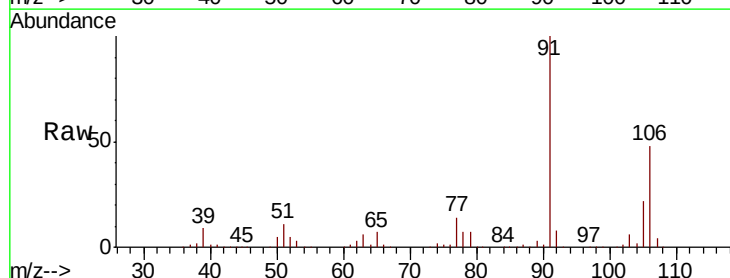
Acq: 26 May 2020 16:36

Tgt Ion: 106 Resp: 293095

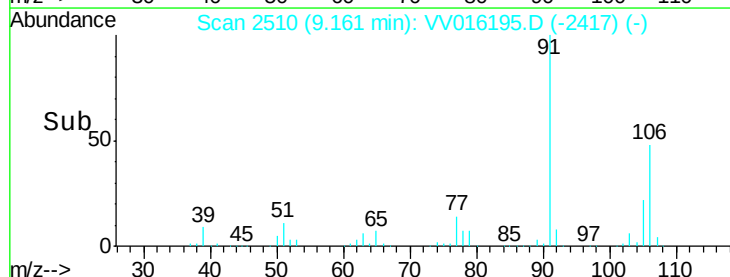
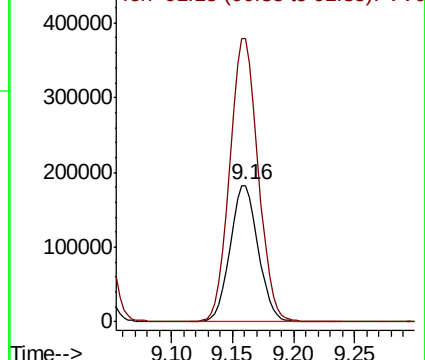
Ion Ratio Lower Upper

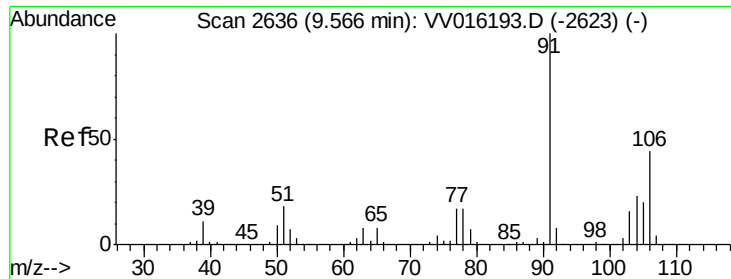
106 100

91 207.8 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): VV016195.D (-2417) (-)

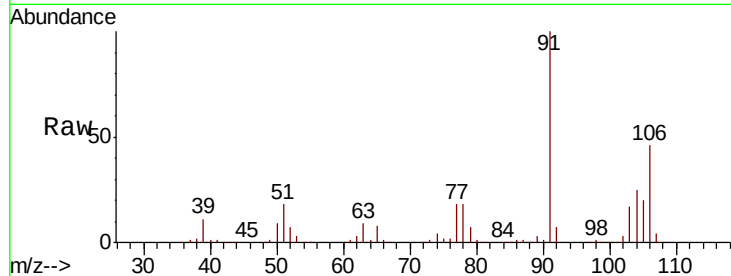




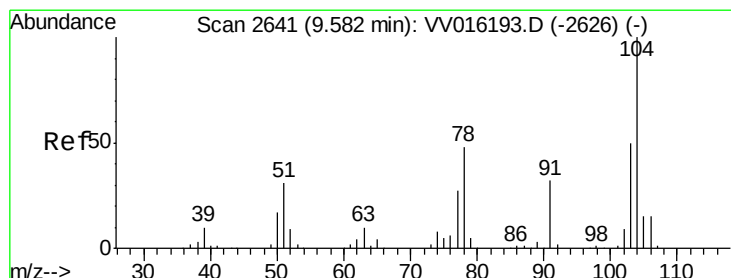
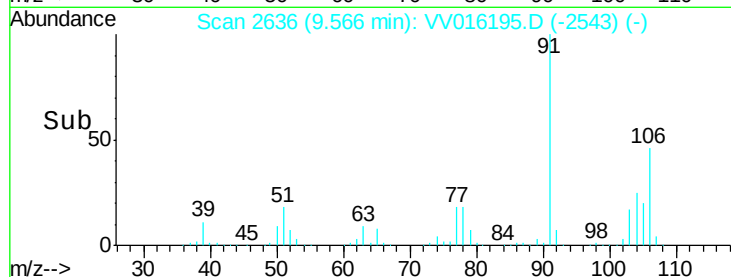
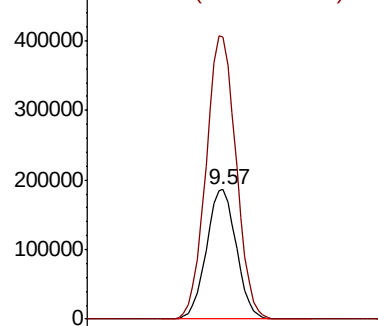
#56
o-xylene
Concen: 24.524 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 283141
Ion Ratio Lower Upper
106 100
91 218.3 158.8 294.8

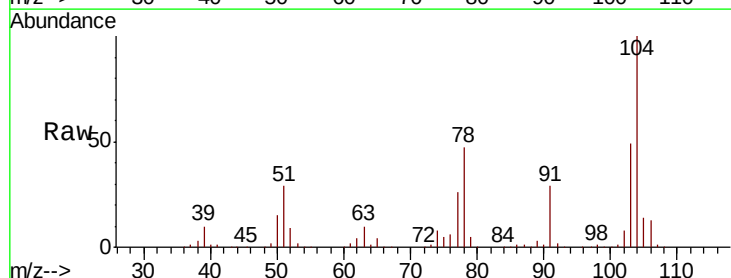


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

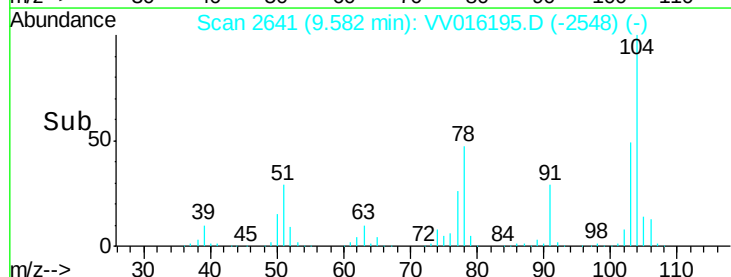
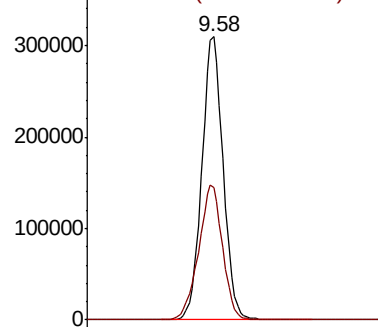


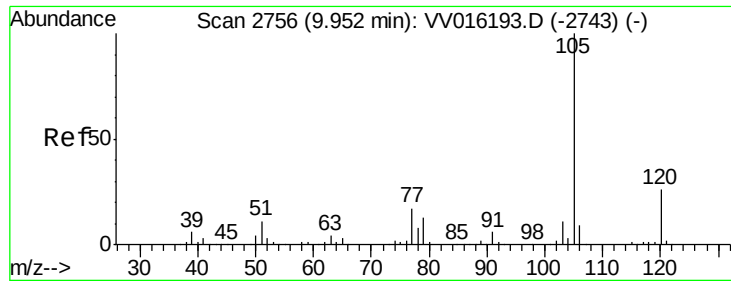
#57
Styrene
Concen: 25.097 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016195.D
Acq: 26 May 2020 16:36

Tgt Ion:104 Resp: 484713
Ion Ratio Lower Upper
104 100
78 46.8 33.2 61.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 24.540 ug/L

RT: 9.95 min Scan# 2756

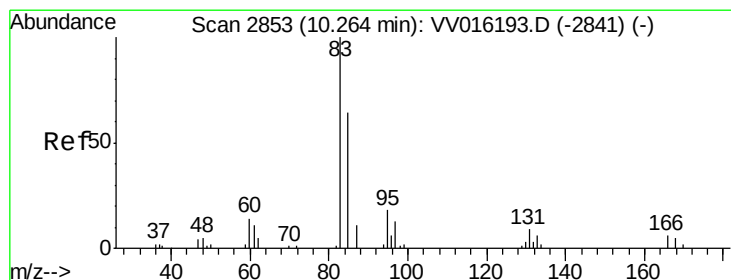
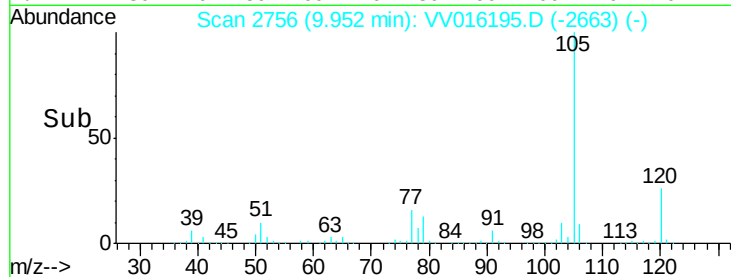
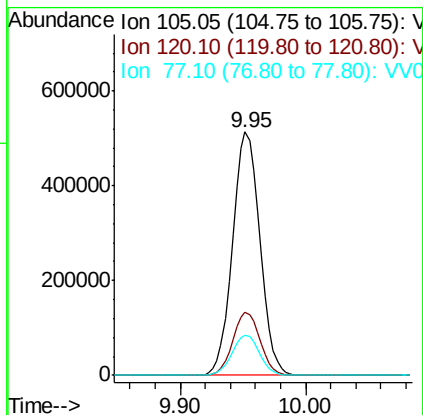
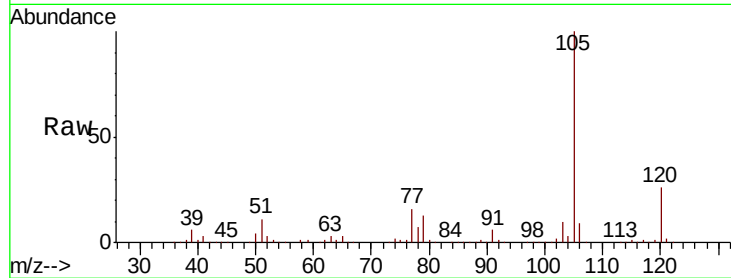
Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	776388
Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.9	31.3
77	16.6	13.9	20.9



#60

1,1,2,2-Tetrachloroethane

Concen: 25.496 ug/L

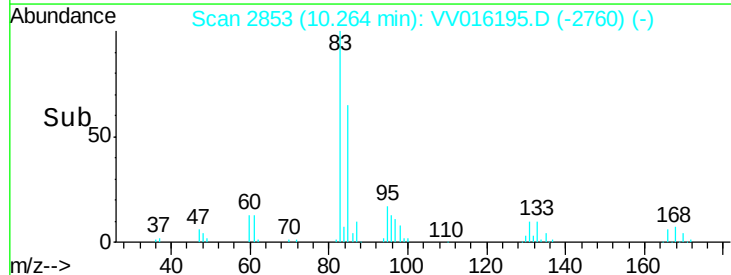
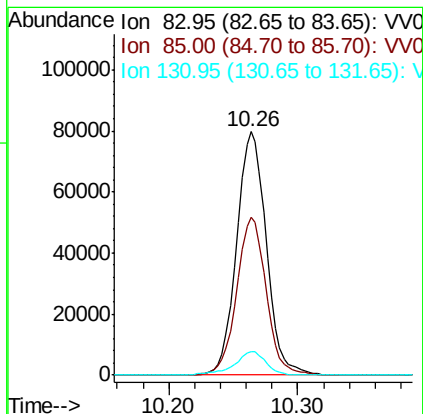
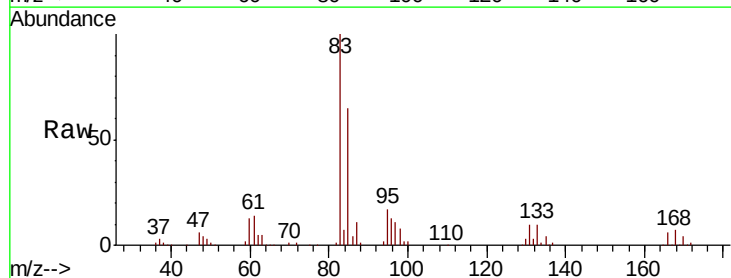
RT: 10.26 min Scan# 2853

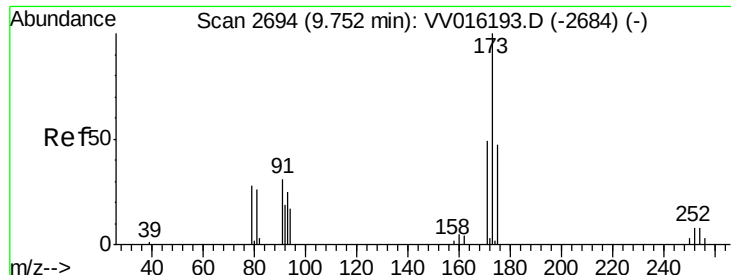
Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

Tgt Ion:	83	Resp:	127340
Ion	Ratio	Lower	Upper
83	100		
85	64.9	45.6	84.8
131	9.8	7.9	11.9





#62

Bromoform

Concen: 23.072 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :

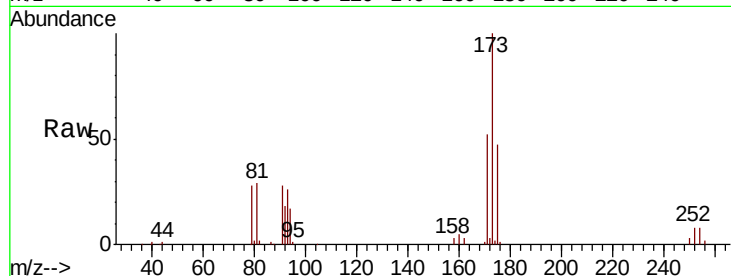
Tot Ion:173 Resp: 55726

Ion Ratio Lower Upper

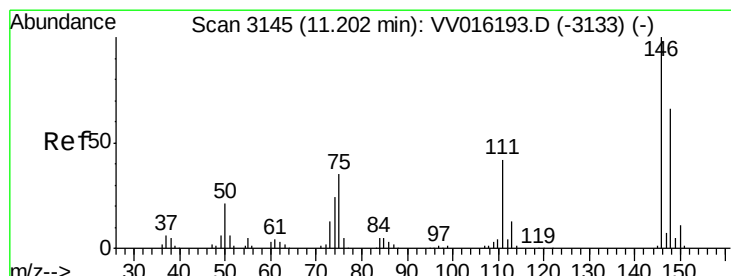
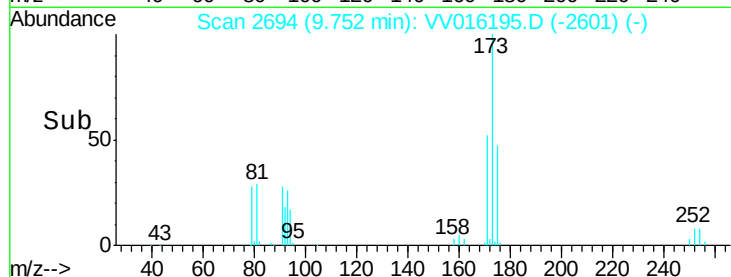
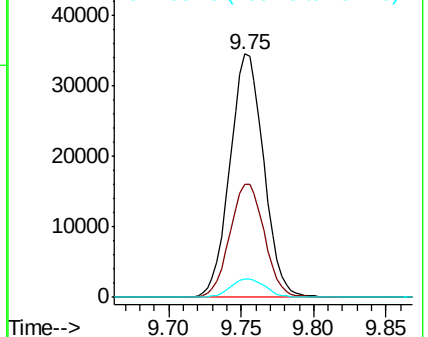
173 100

175 47.5 38.6 58.0

254 7.8 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 23.244 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016195.D

Acq: 26 May 2020 16:36

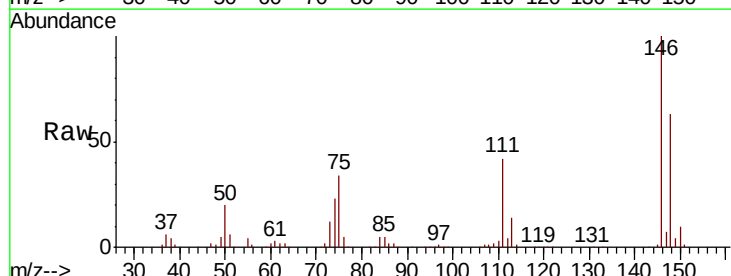
Tgt Ion:146 Resp: 337787

Ion Ratio Lower Upper

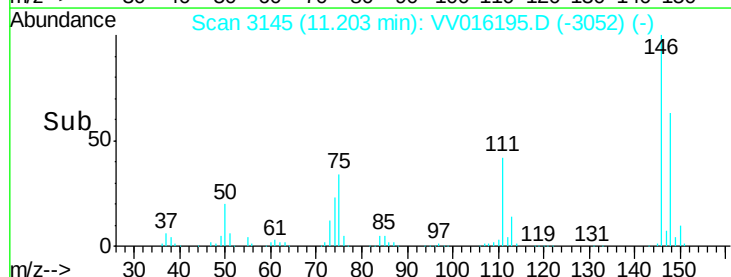
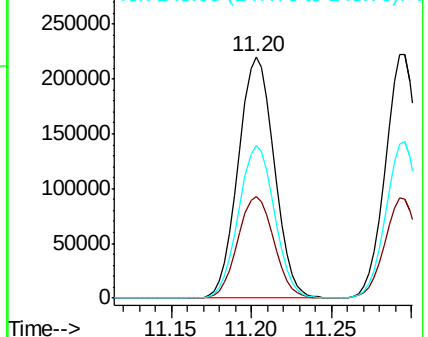
146 100

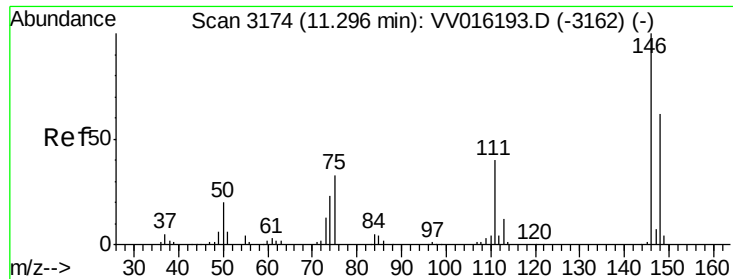
111 42.3 29.7 55.1

148 63.3 45.9 85.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

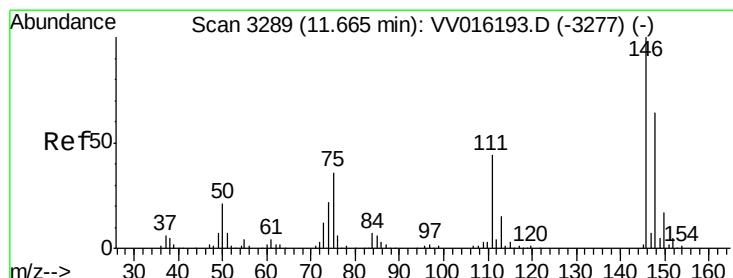
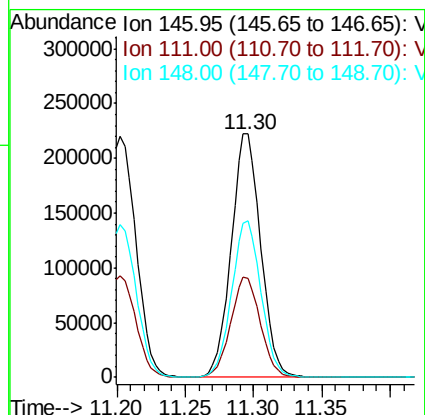
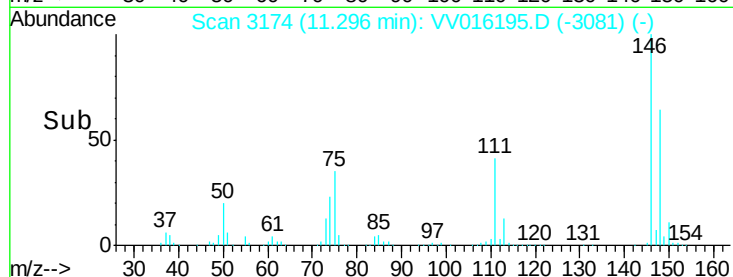
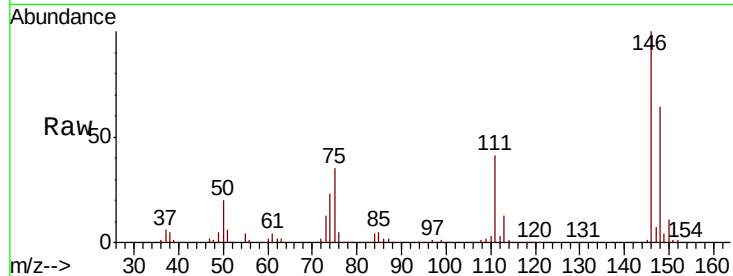




#64
 1,4-Dichlorobenzene
 Concen: 22.675 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016195.D
 Acq: 26 May 2020 16:36

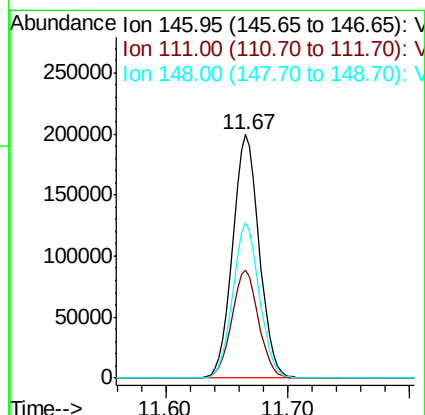
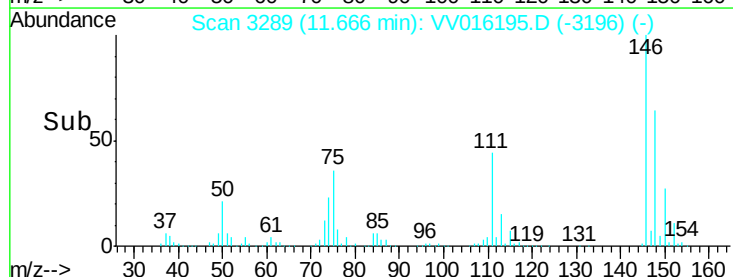
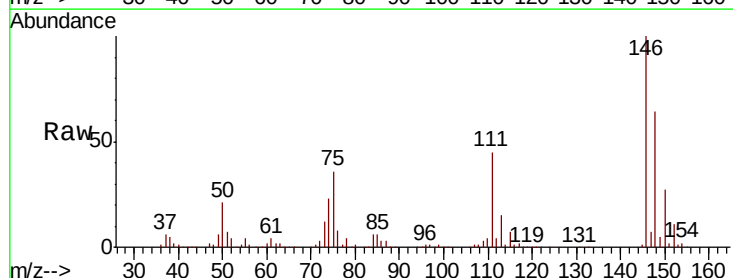
Instrument :
 MSVOA_V
 ClientSampled :

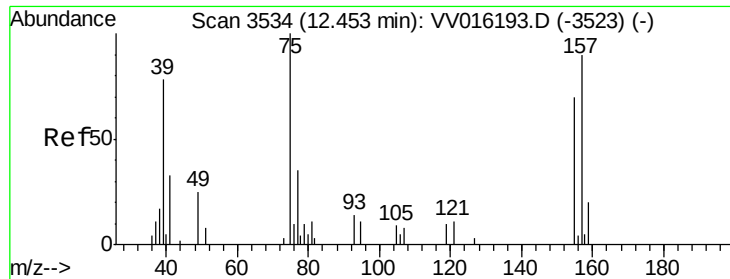
Tot Ion:146 Resp: 332890
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.3 52.7
 148 64.1 43.3 80.3



#66
 1,2-Dichlorobenzene
 Concen: 22.992 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016195.D
 Acq: 26 May 2020 16:36

Tgt Ion:146 Resp: 303084
 Ion Ratio Lower Upper
 146 100
 111 44.5 35.7 53.5
 148 63.6 51.3 76.9

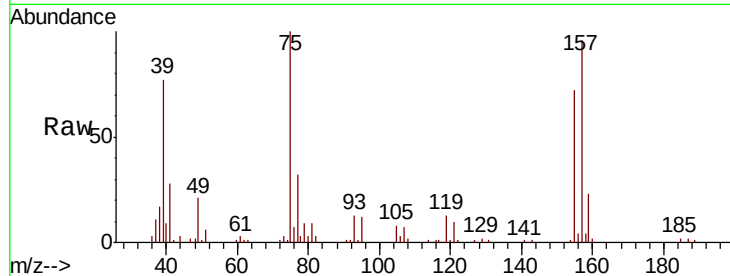




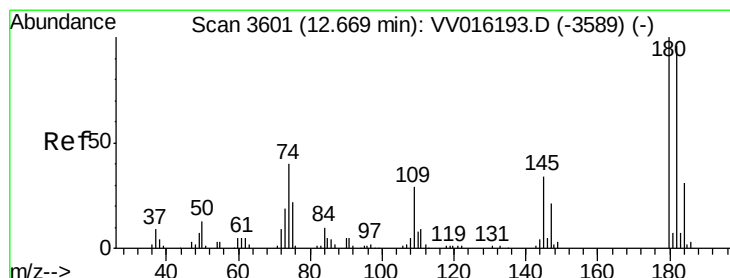
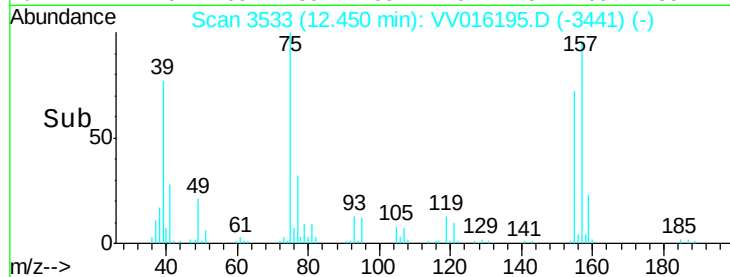
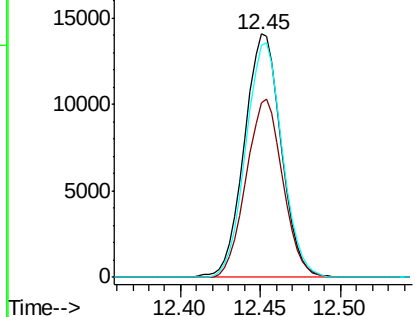
#67
 1,2-Dibromo-3-chloropropane
 Concen: 25.344 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016195.D
 Acq: 26 May 2020 16:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 22143
 Ion Ratio Lower Upper
 75 100
 155 71.5 56.2 84.4
 157 95.6 71.9 107.9

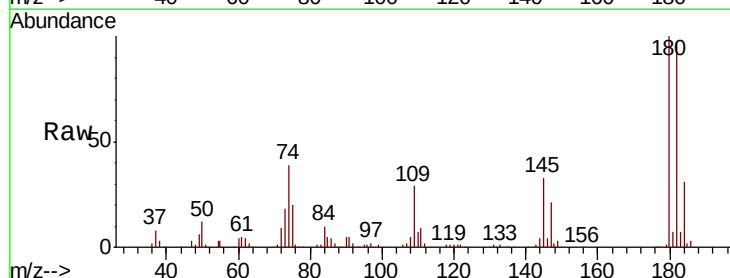


Abundance Ion 75.05 (74.75 to 75.75): VV016195.D (-3441) (-)
 Ion 154.95 (154.65 to 155.65): VV016195.D (-3441) (-)
 Ion 156.90 (156.60 to 157.60): VV016195.D (-3441) (-)

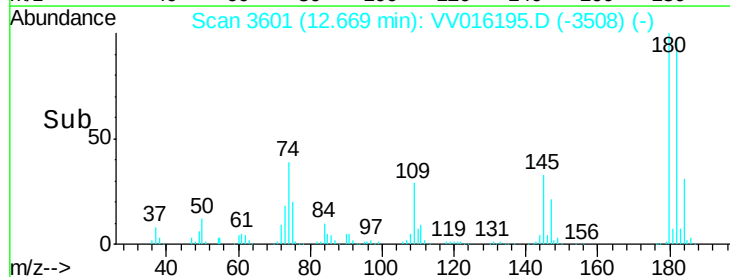
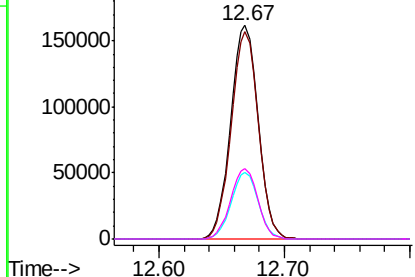


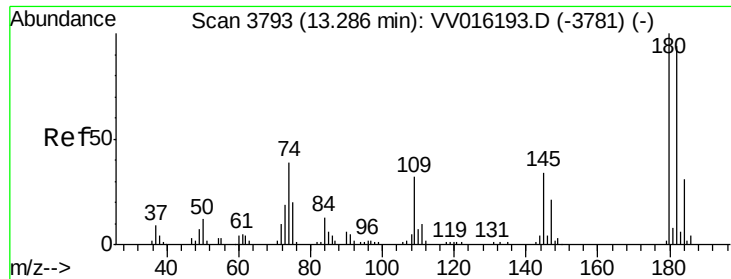
#68
 1,3,5-Trichlorobenzene
 Concen: 23.278 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016195.D
 Acq: 26 May 2020 16:36

Tgt Ion: 180 Resp: 246307
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.1 115.7
 184 30.6 25.0 37.4
 145 32.5 26.3 39.5



Abundance Ion 180.00 (179.70 to 180.70): VV016195.D (-3508) (-)
 Ion 182.00 (181.70 to 182.70): VV016195.D (-3508) (-)
 Ion 184.00 (183.70 to 184.70): VV016195.D (-3508) (-)
 Ion 145.00 (144.70 to 145.70): VV016195.D (-3508) (-)

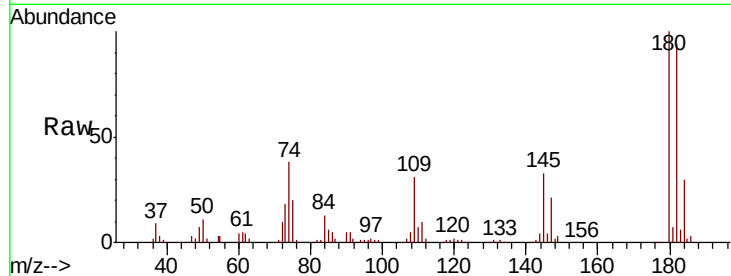




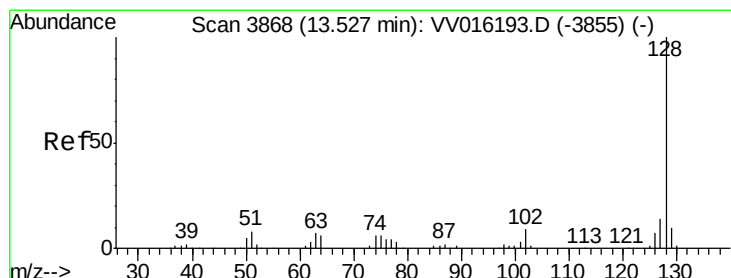
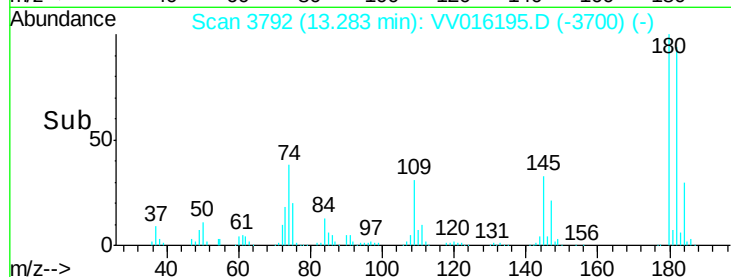
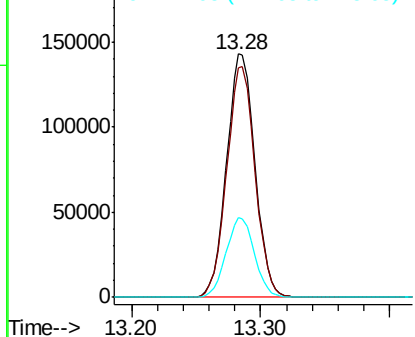
#69
 1,2,4-trichlorobenzene
 Concen: 23.856 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016195.D
 Acq: 26 May 2020 16:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.0	112.4
145	32.7	27.1	40.7

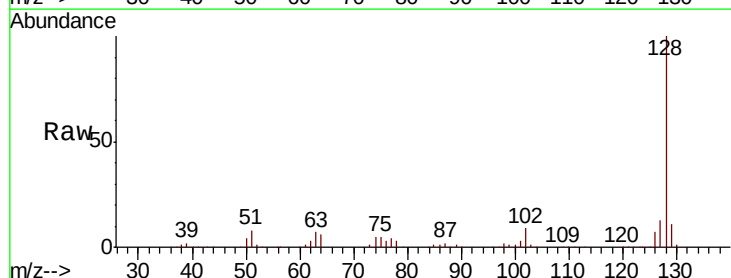


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

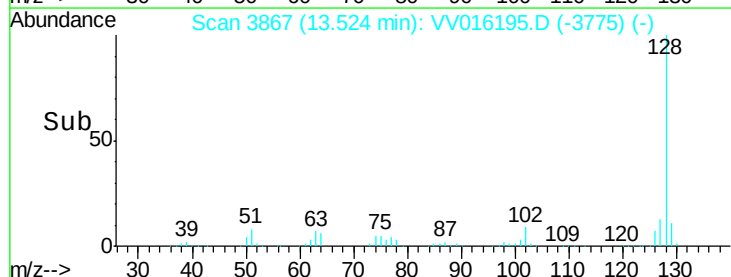
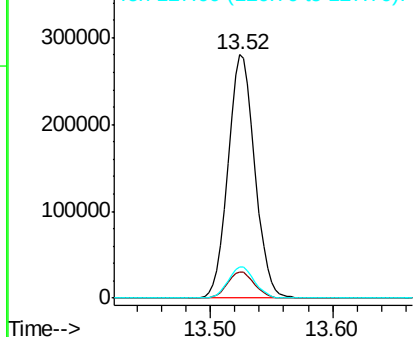


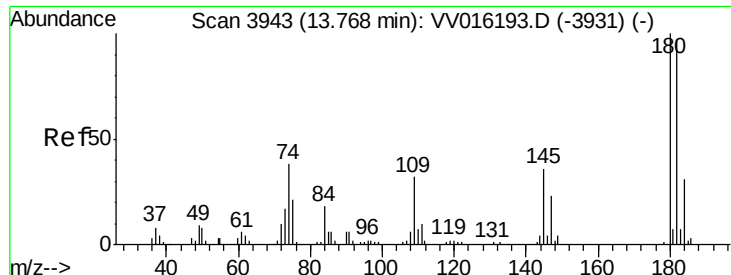
#70
 Naphthalene
 Concen: 28.145 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV016195.D
 Acq: 26 May 2020 16:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	12.7	10.6	15.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#71

1,2,3-Trichlorobenzene

Concen: 24.137 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

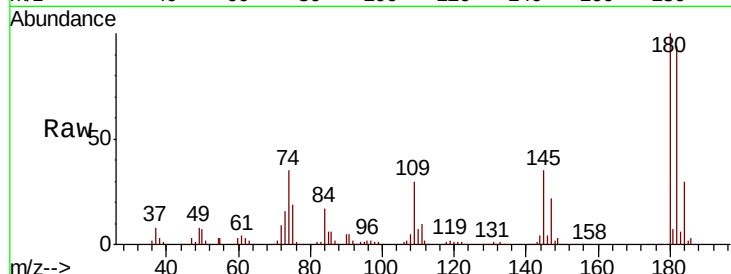
Lab File: VV016195.D

Acq: 26 May 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :



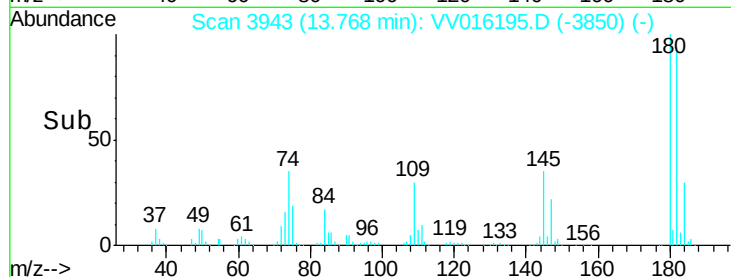
Tot Ion:180 Resp: 194579

Ion Ratio Lower Upper

180 100

182 94.0 77.1 115.7

145 35.2 28.6 42.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

