

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016097.D
 Acq On : 18 May 2020 13:10
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 19 04:47:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 19 04:04:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	327518	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	324913	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	166447	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111488	47.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.40%
7) Chloroethane-d5	1.58	69	99176	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.66%
11) 1,1-Dichloroethene-d2	2.13	63	208615	46.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.42%
21) 2-Butanone-d5	3.93	46	160289	112.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.52%
24) Chloroform-d	4.38	84	210102	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.94%
26) 1,2-Dichloroethane-d4	5.06	65	153867	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.00%
32) Benzene-d6	5.08	84	430902	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.72%
36) 1,2-Dichloropropane-d6	6.10	67	137288	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.42%
41) Toluene-d8	7.34	98	411716	49.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.04%
43) trans-1,3-Dichloropropene-	7.64	79	71891	50.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.72%
47) 2-Hexanone-d5	8.11	63	105303	114.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.75%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	178605	50.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.72%
64) 1,2-Dichlorobenzene-d4	11.65	152	156733	47.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.22%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	113642	44.780	ug/L 99
3) Chloromethane	1.25	50	119700	45.367	ug/L 99
5) Vinyl chloride	1.32	62	115417	45.196	ug/L 99
6) Bromomethane	1.53	94	71741	46.326	ug/L 100
8) Chloroethane	1.60	64	75896	44.806	ug/L 98
9) Trichlorofluoromethane	1.77	101	164103	47.559	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	94739	45.195	ug/L 99
12) 1,1-Dichloroethene	2.14	96	85993	44.698	ug/L 96
13) Acetone	2.21	43	123475	89.022	ug/L 99
14) Carbon disulfide	2.32	76	259180	46.825	ug/L 100
15) Methyl Acetate	2.46	43	117451	50.698	ug/L 98
16) Methylene chloride	2.53	84	114603	46.394	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	99295	46.678	ug/L 99
18) Methyl tert-butyl Ether	2.79	73	358702	49.263	ug/L 99
19) 1,1-Dichloroethane	3.22	63	203112	46.741	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	112792	47.787	ug/L 99
22) 2-Butanone	4.02	43	160760	102.993	ug/L 98

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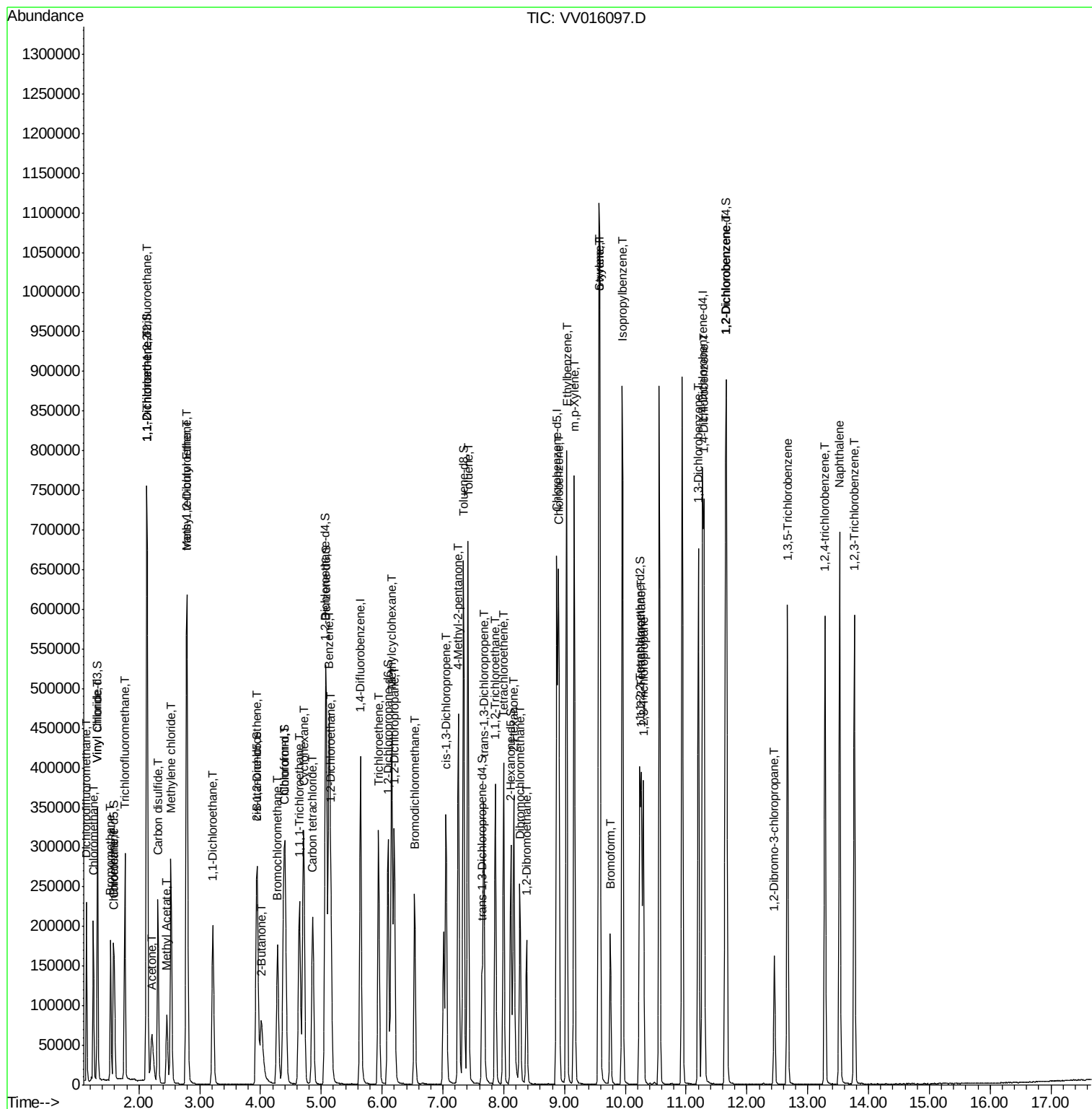
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	58331	47.327	ug/L	97
25) Chloroform	4.41	83	226809	49.704	ug/L	98
27) 1,2-Dichloroethane	5.16	62	177539	48.645	ug/L	99
29) Cyclohexane	4.71	56	174957	46.863	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	182380	44.766	ug/L	98
31) Carbon tetrachloride	4.86	117	153407	44.588	ug/L	98
33) Benzene	5.13	78	432981	46.776	ug/L	100
34) Trichloroethene	5.94	95	110040	46.127	ug/L	99
35) Methylcyclohexane	6.16	83	175077	47.041	ug/L	98
37) 1,2-Dichloropropane	6.20	63	117572	47.107	ug/L	100
38) Bromodichloromethane	6.53	83	157486	47.068	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	188786	50.122	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	328039	104.659	ug/L	100
42) Toluene	7.41	91	473615	47.697	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	187462	49.663	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	109507	47.645	ug/L	96
46) Tetrachloroethene	8.00	164	82225	44.909	ug/L	99
48) 2-Hexanone	8.16	43	249930	105.080	ug/L	99
49) Dibromochloromethane	8.27	129	120037	49.297	ug/L	97
50) 1,2-Dibromoethane	8.37	107	115991	48.723	ug/L	100
51) Chlorobenzene	8.90	112	307699	47.461	ug/L	99
52) Ethylbenzene	9.04	91	539689	48.037	ug/L	99
53) m,p-Xylene	9.16	106	201845	48.227	ug/L	99
54) o-xylene	9.57	106	197471	48.388	ug/L	99
55) Styrene	9.58	104	351593	50.231	ug/L	97
56) Isopropylbenzene	9.95	105	530938	48.902	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	173605	48.328	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	144460	48.661	ug/L	100
61) Bromoform	9.75	173	80199	50.497	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	244553	47.305	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	247469	46.812	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	246084	47.154	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	40341	50.021	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	168196	47.119	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	158818	49.542	ug/L	99
69) Naphthalene	13.52	128	506396	54.368	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	162421	50.002	ug/L	100

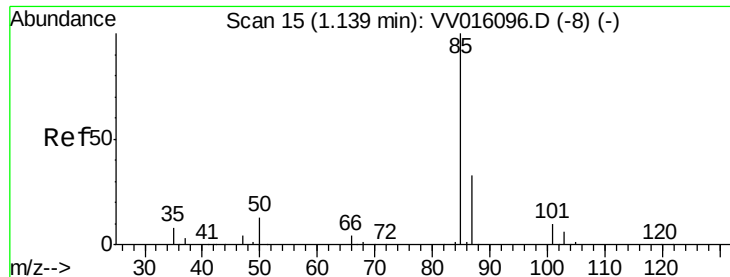
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.780 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

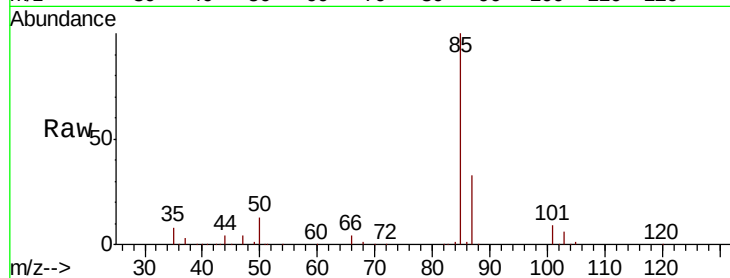
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 113642

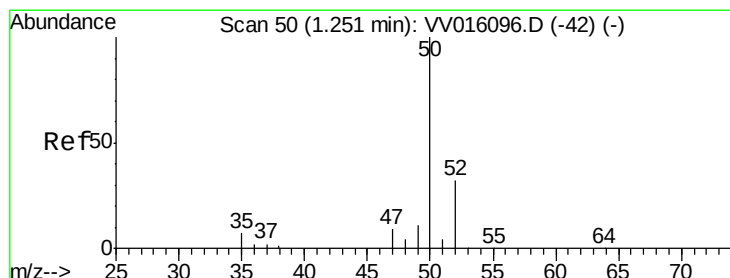
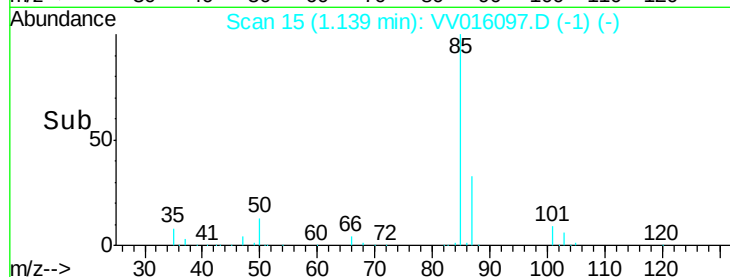
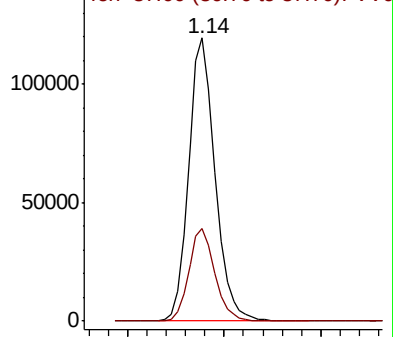
Ion Ratio Lower Upper

85 100

87 32.2 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV016097.D (-1) (-)



#3

Chloromethane

Concen: 45.367 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV016097.D

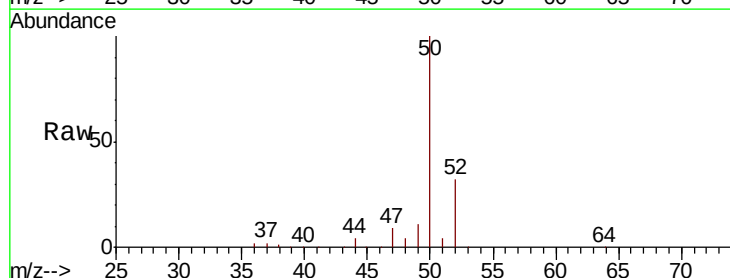
Acq: 18 May 2020 13:10

Tgt Ion: 50 Resp: 119700

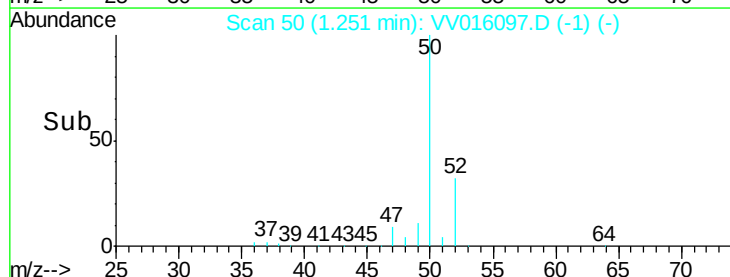
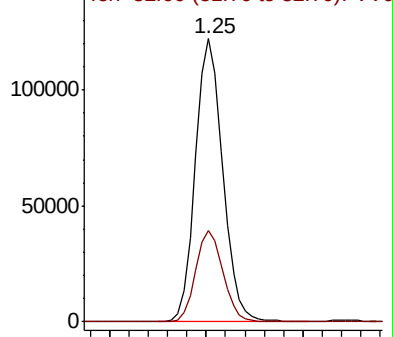
Ion Ratio Lower Upper

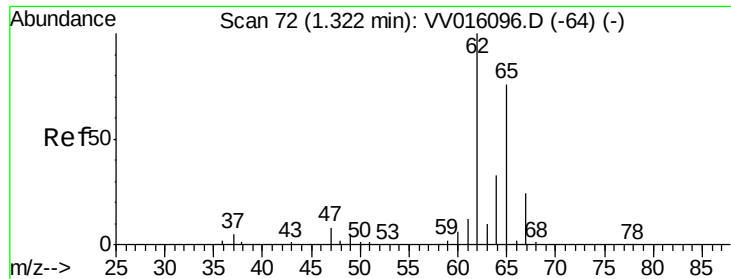
50 100

52 32.4 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VV016097.D (-1) (-)





#5

Vinyl chloride

Concen: 45.196 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

Instrument :

MSVOA_V

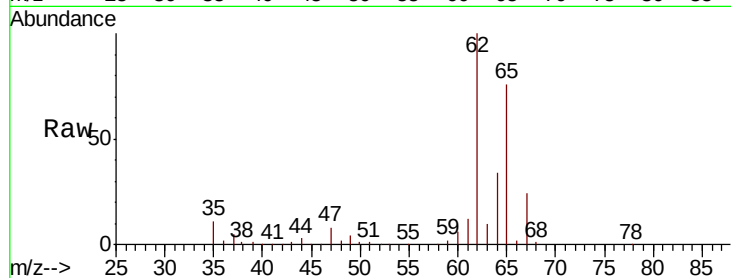
ClientSampled :

Tot Ion: 62 Resp: 115417

Ion Ratio Lower Upper

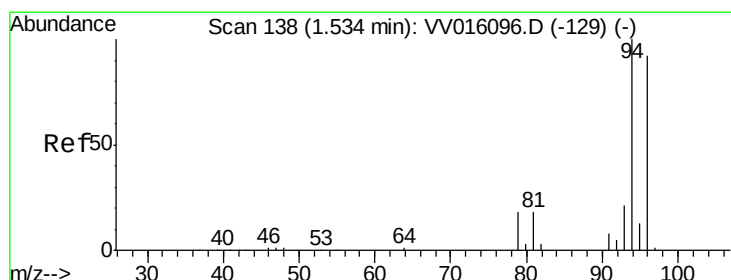
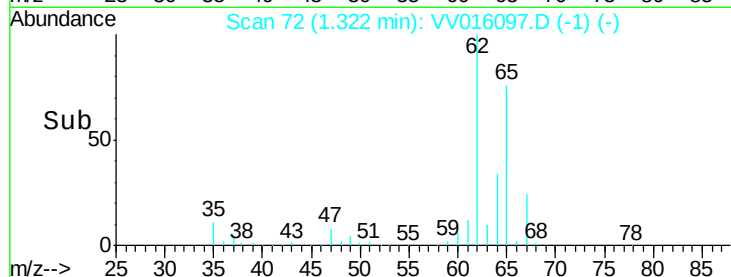
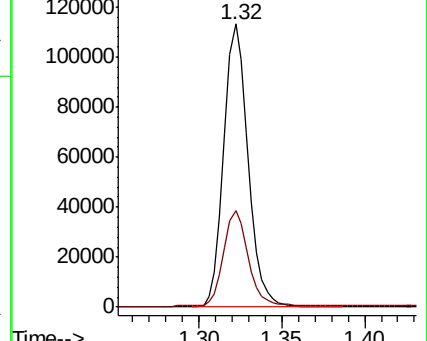
62 100

64 33.9 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: 46.326 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV016097.D

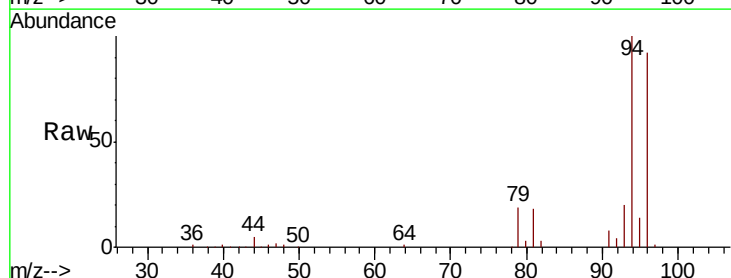
Acq: 18 May 2020 13:10

Tgt Ion: 94 Resp: 71741

Ion Ratio Lower Upper

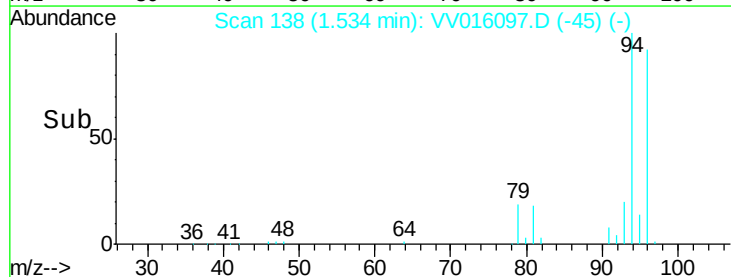
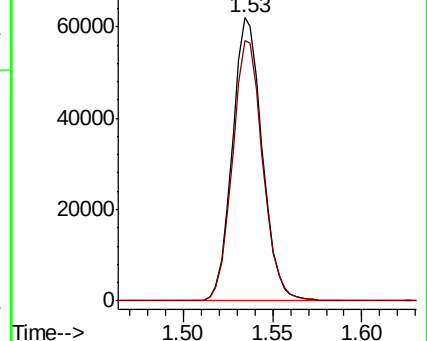
94 100

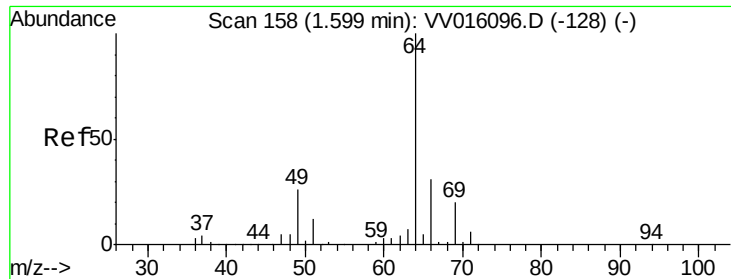
96 92.1 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 44.806 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

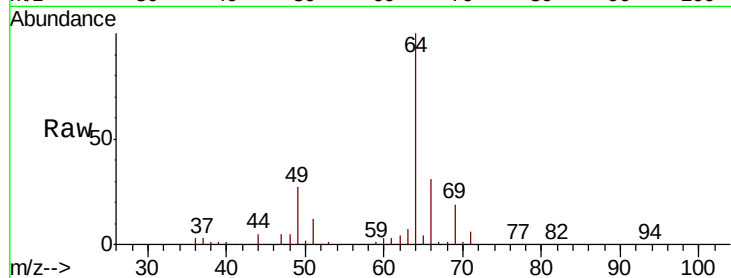
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 75896

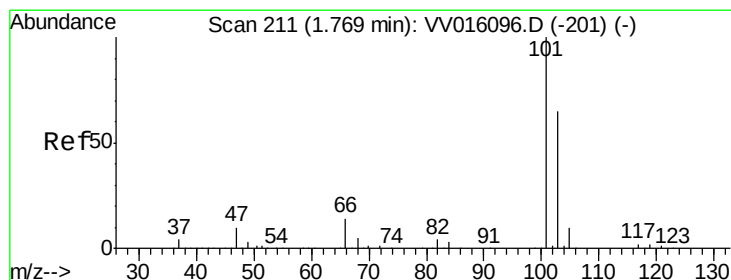
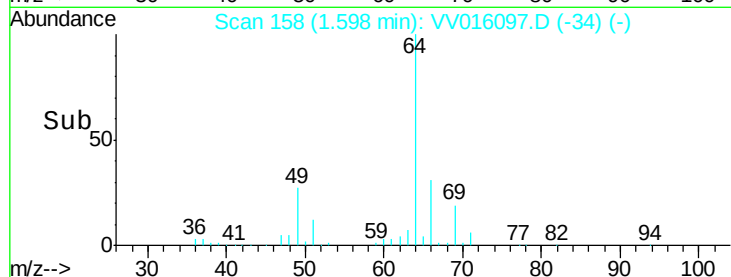
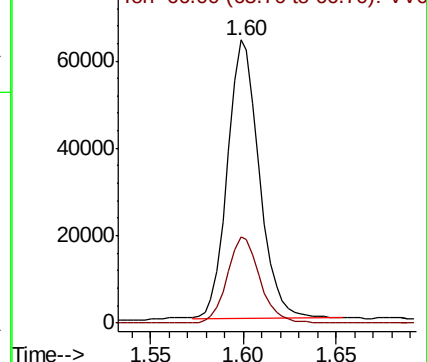
Ion Ratio Lower Upper

64 100

66 30.5 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV016097.D (-34) (-)



#9

Trichlorofluoromethane

Concen: 47.559 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV016097.D

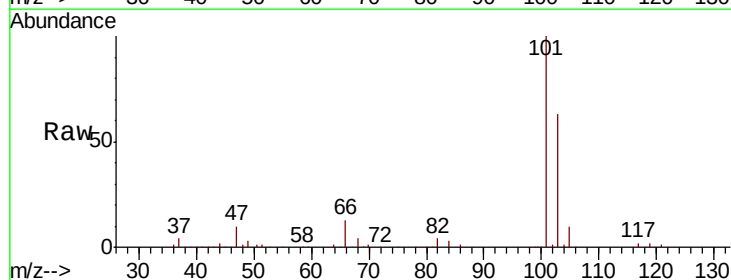
Acq: 18 May 2020 13:10

Tgt Ion:101 Resp: 164103

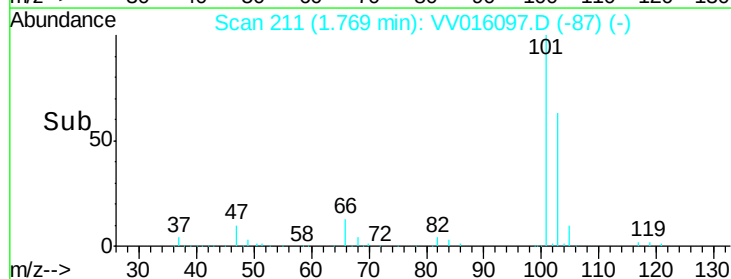
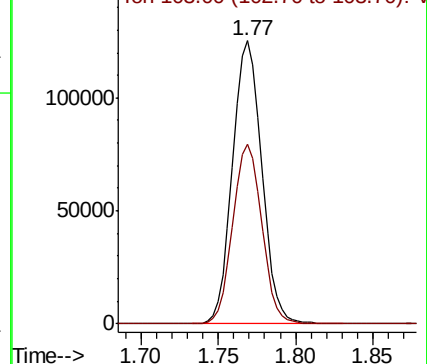
Ion Ratio Lower Upper

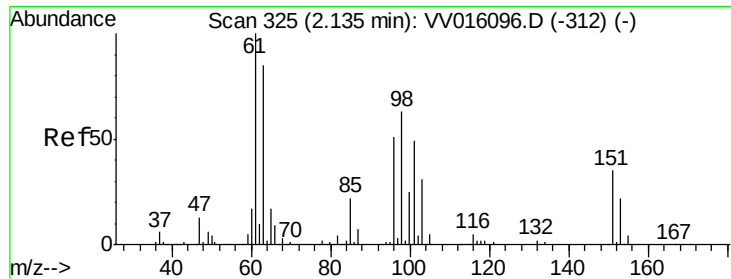
101 100

103 62.9 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV016097.D (-87) (-)





#10

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

Concen: 45.195 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

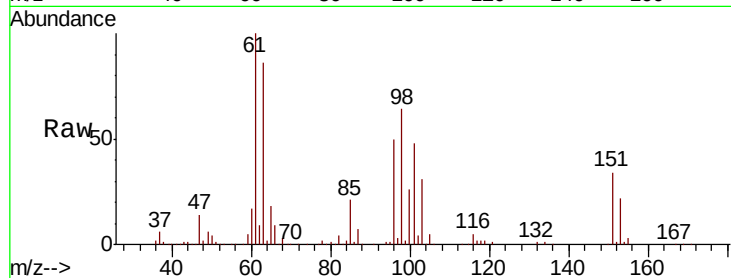
Tot Ion:101 Resp: 94739

Ion Ratio Lower Upper

101 100

85 43.6 36.2 54.4

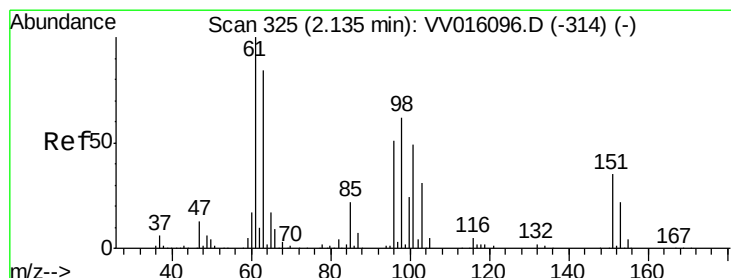
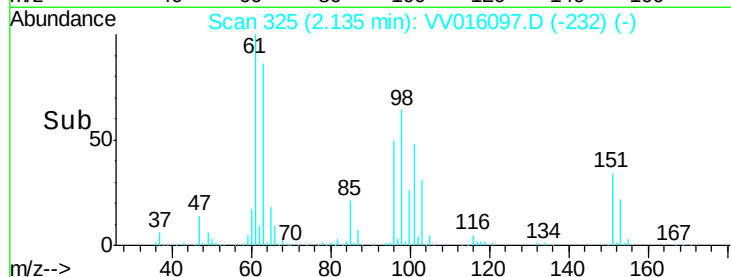
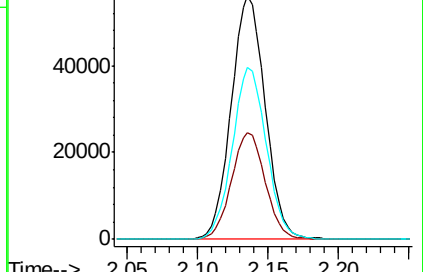
151 70.7 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): VV016096.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV016096.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV016096.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 44.698 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

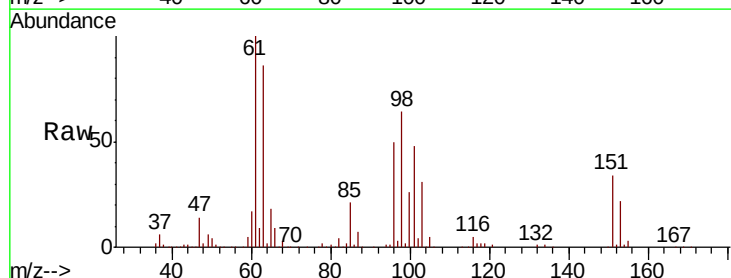
Tgt Ion: 96 Resp: 85993

Ion Ratio Lower Upper

96 100

61 200.3 136.8 254.2

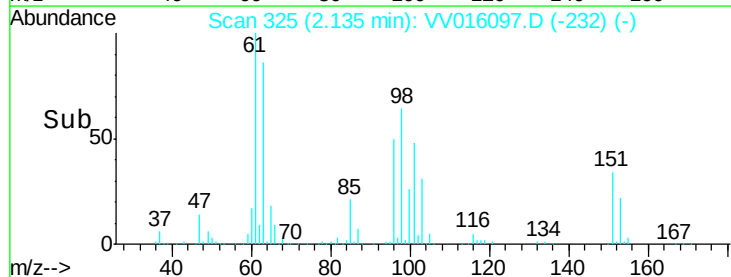
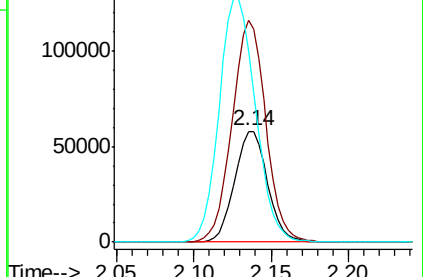
63 172.5 116.6 216.5

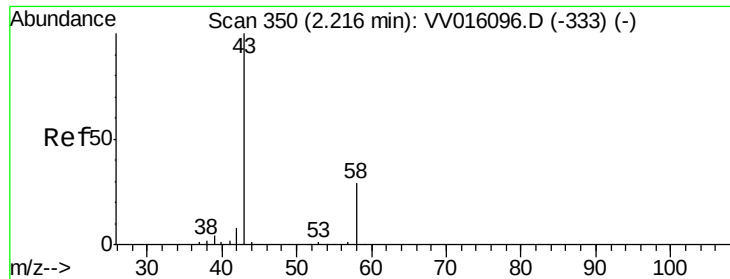


Abundance Ion 96.00 (95.70 to 96.70): VV016096.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV016096.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV016096.D (-314) (-)





#13

Acetone

Concen: 89.022 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

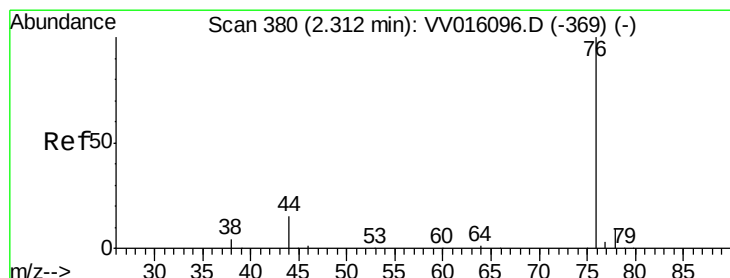
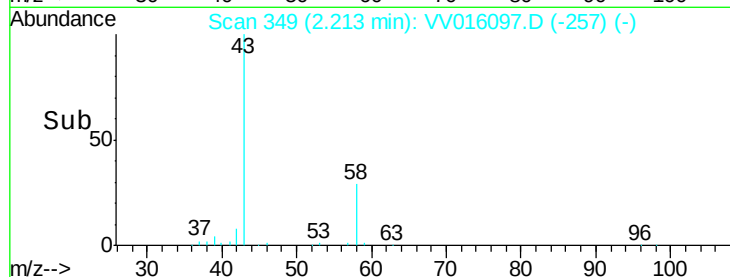
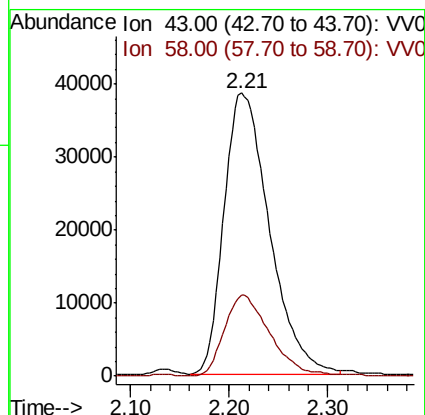
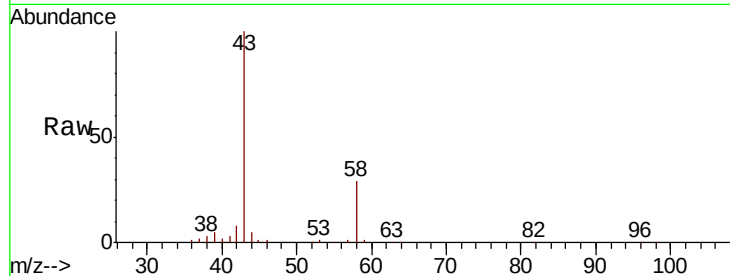
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 123475

Ion Ratio Lower Upper

43 100

58 29.2 0.0 57.8



#14

Carbon disulfide

Concen: 46.825 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV016097.D

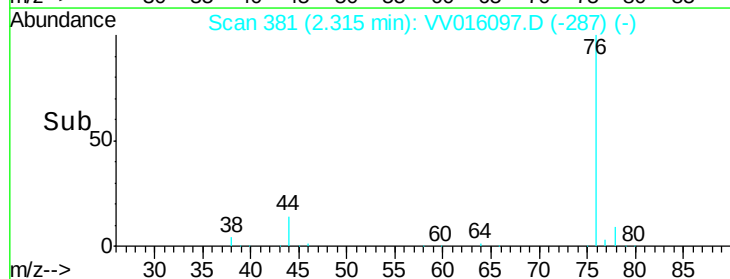
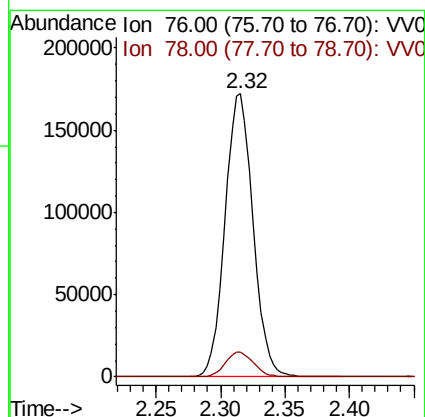
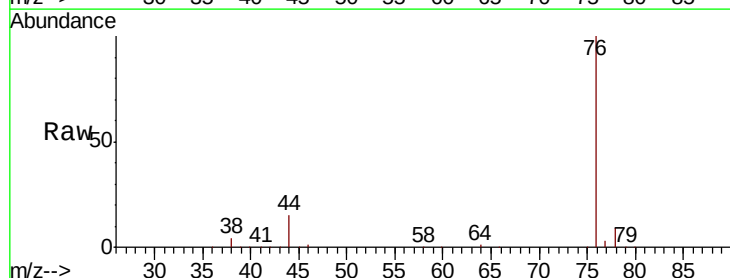
Acq: 18 May 2020 13:10

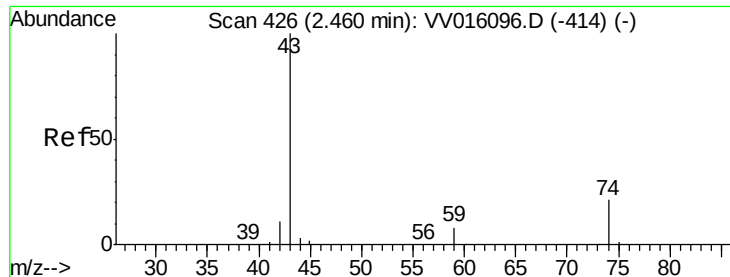
Tgt Ion: 76 Resp: 259180

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

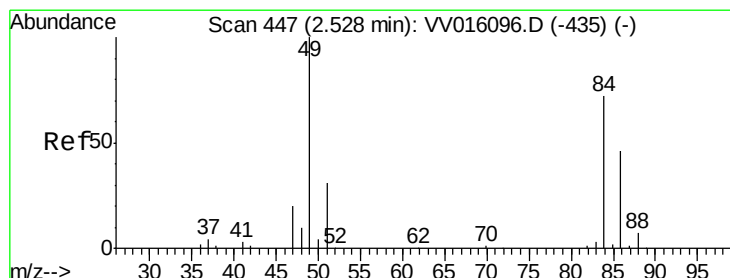
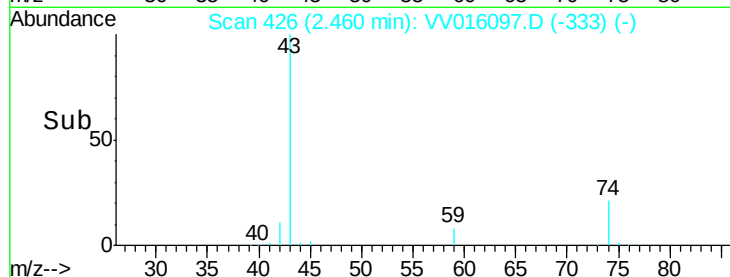
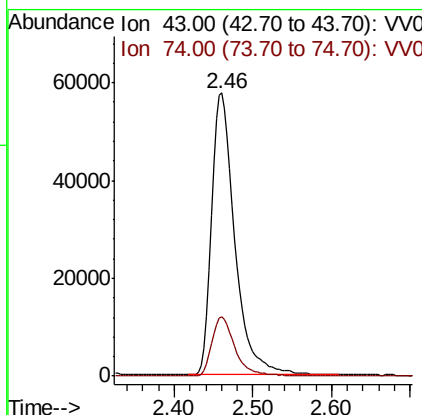
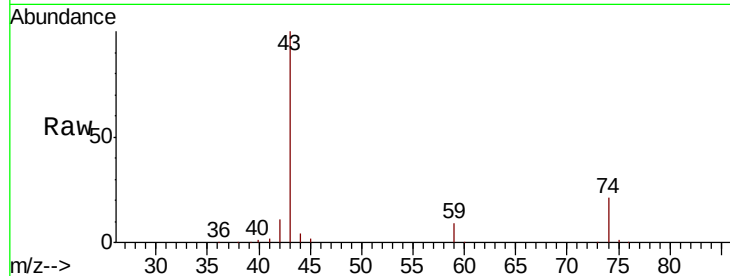




#15
Methvl Acetate
Concen: 50.698 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV016097.D
Acq: 18 May 2020 13:10

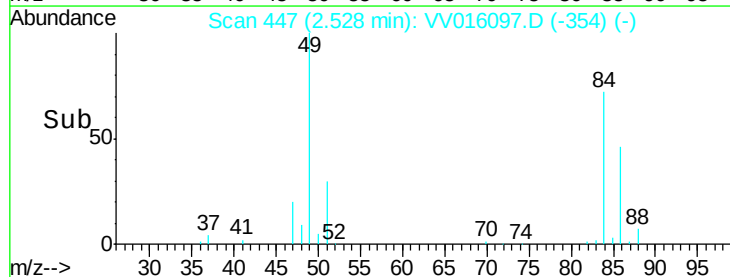
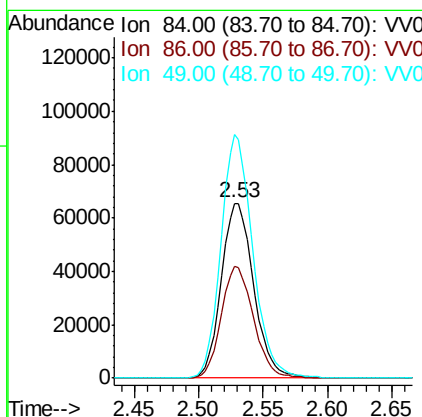
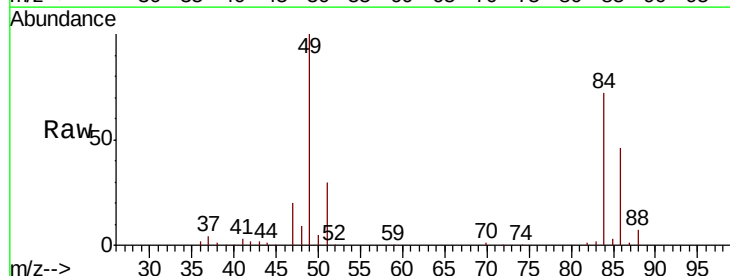
Instrument :
MSVOA_V
ClientSampleId :

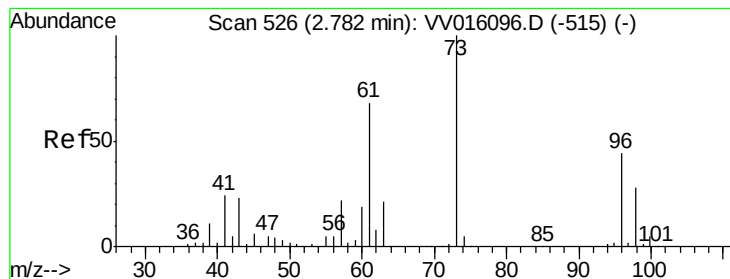
Tot Ion: 43 Resp: 117451
Ion Ratio Lower Upper
43 100
74 20.8 17.3 25.9



#16
Methylene chloride
Concen: 46.394 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV016097.D
Acq: 18 May 2020 13:10

Tgt Ion: 84 Resp: 114603
Ion Ratio Lower Upper
84 100
86 63.7 45.1 83.7
49 139.5 97.8 181.6





#17

trans-1,2-Dichloroethene

Concen: 46.678 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

Instrument :
MSVOA_V
ClientSampled :

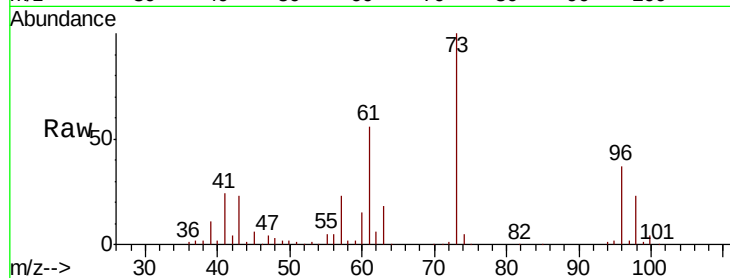
Tot Ion: 96 Resp: 99295

Ion Ratio Lower Upper

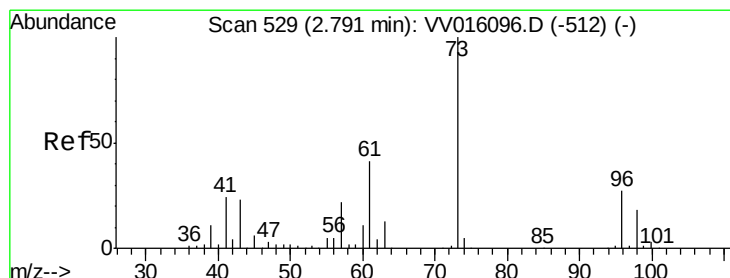
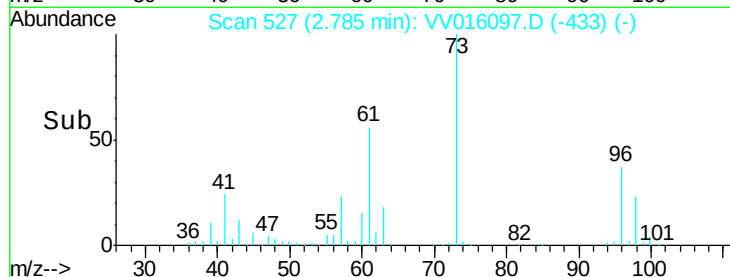
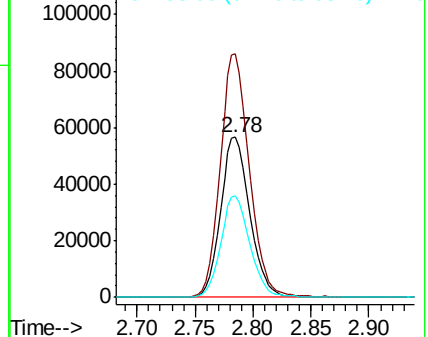
96 100

61 152.2 107.1 198.9

98 63.7 44.0 81.8



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



#18

Methyl tert-butyl Ether

Concen: 49.263 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

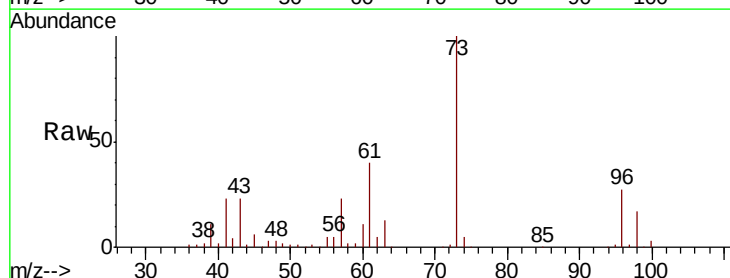
Tgt Ion: 73 Resp: 358702

Ion Ratio Lower Upper

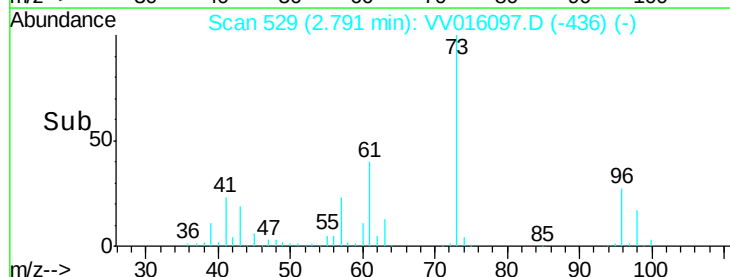
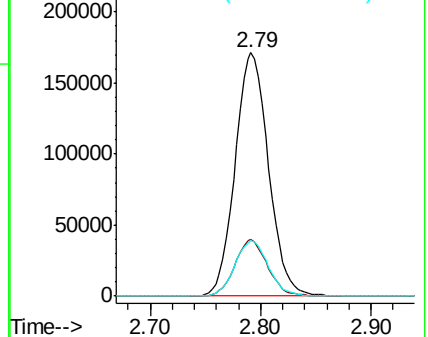
73 100

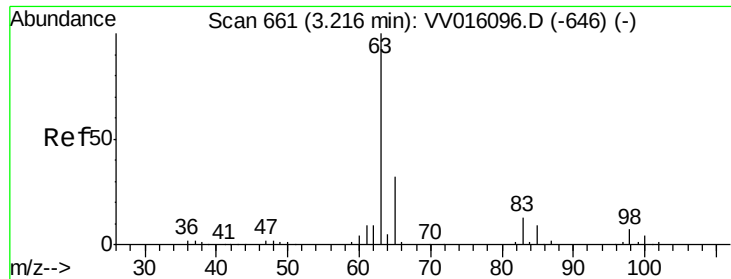
43 22.6 18.2 27.4

57 22.8 17.9 26.9



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

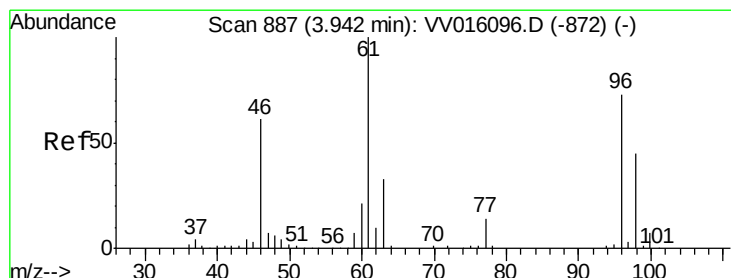
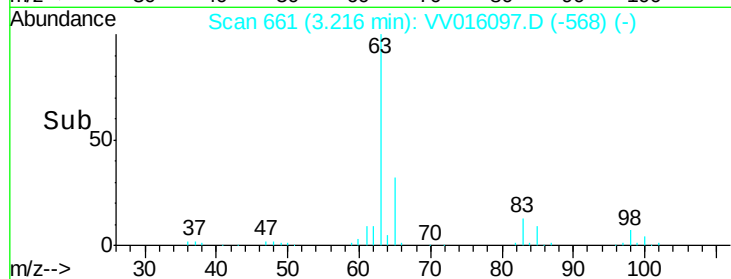
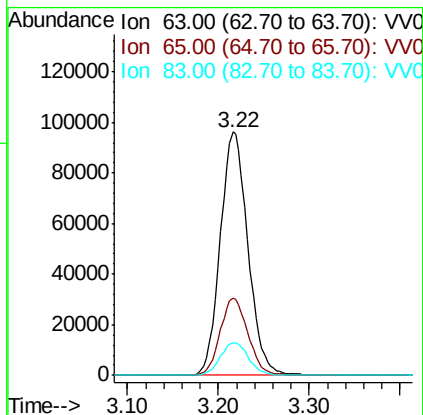
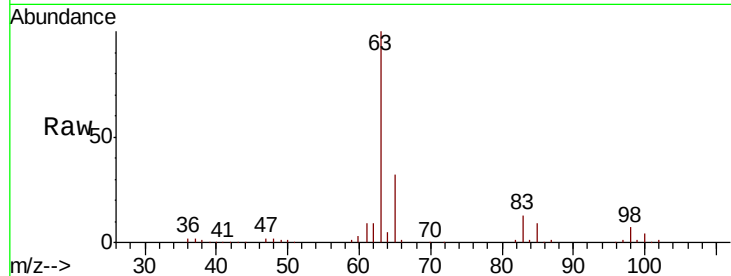




#19
 1,1-Dichloroethane
 Concen: 46.741 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

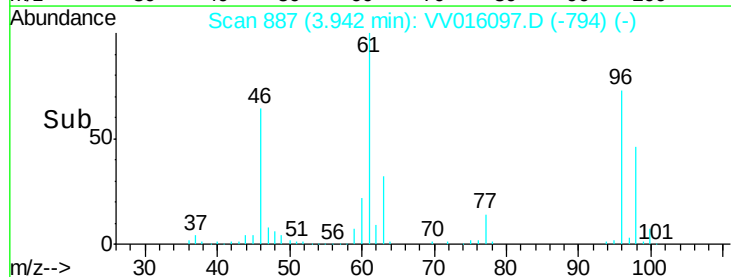
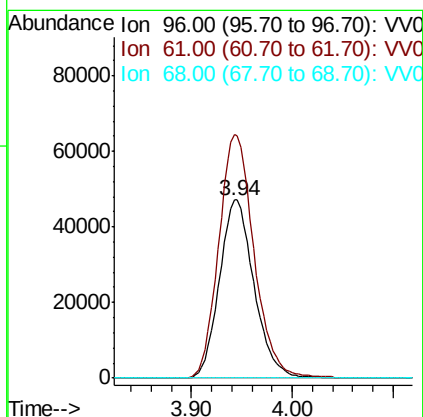
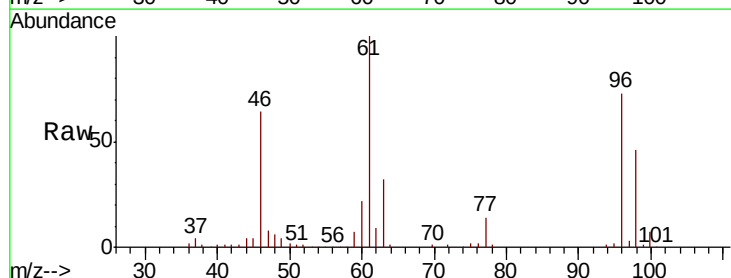
Instrument :
 MSVOA_V
 ClientSampleId :

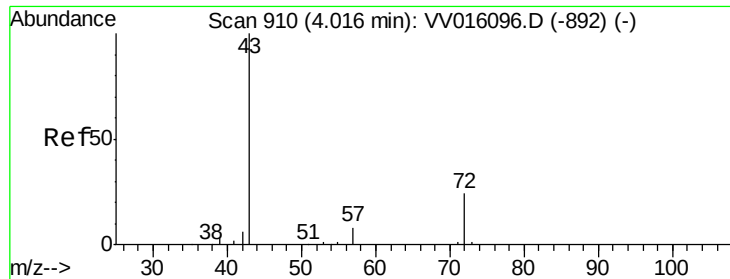
Tot Ion: 63 Resp: 203112
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.5 41.9
 83 13.4 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 47.787 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

Tgt Ion: 96 Resp: 112792
 Ion Ratio Lower Upper
 96 100
 61 136.9 96.5 179.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.993 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

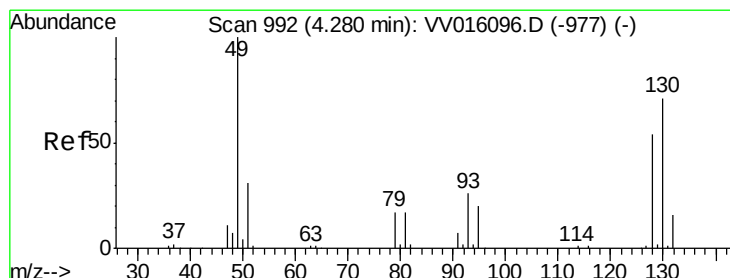
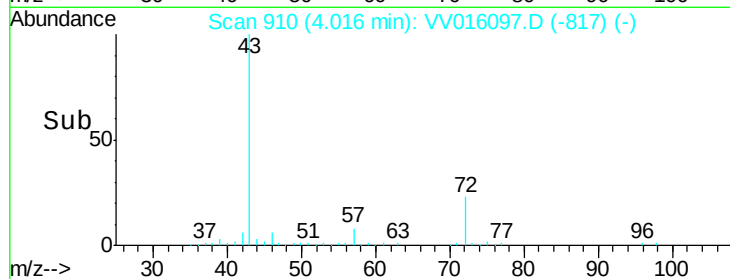
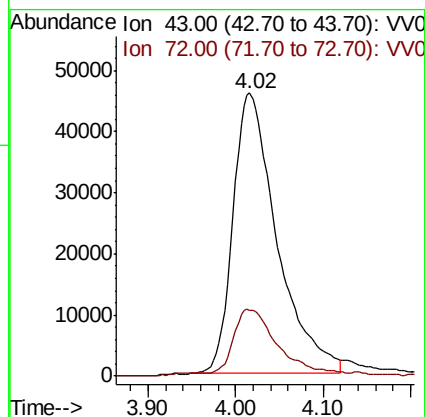
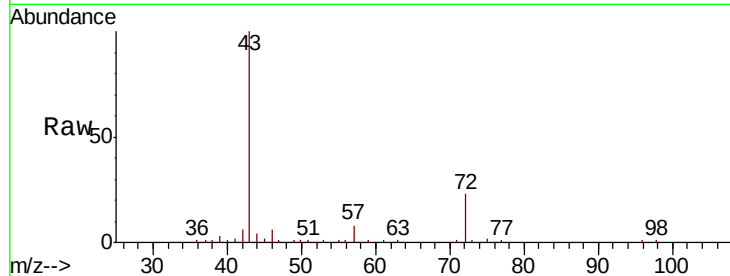
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 160760

Ion Ratio Lower Upper

43 100

72 23.6 11.3 33.8



#23

Bromochloromethane

Concen: 47.327 ug/L

RT: 4.28 min Scan# 992

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

Tgt Ion: 128 Resp: 58331

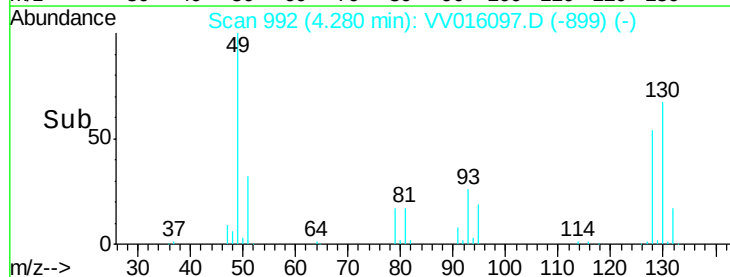
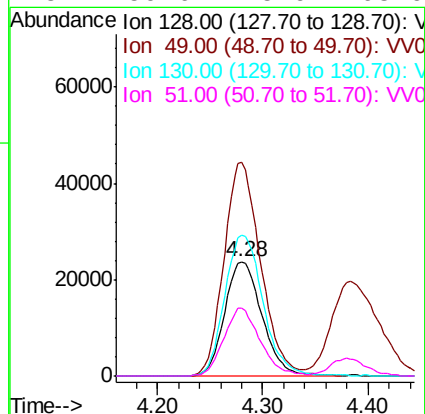
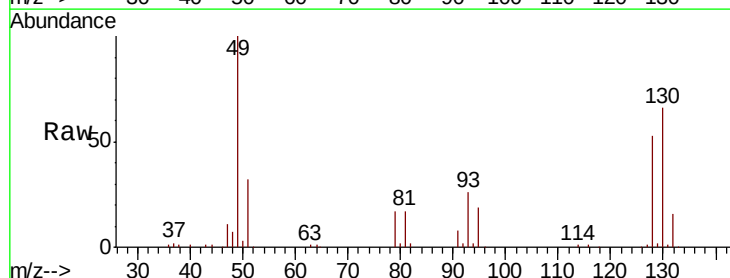
Ion Ratio Lower Upper

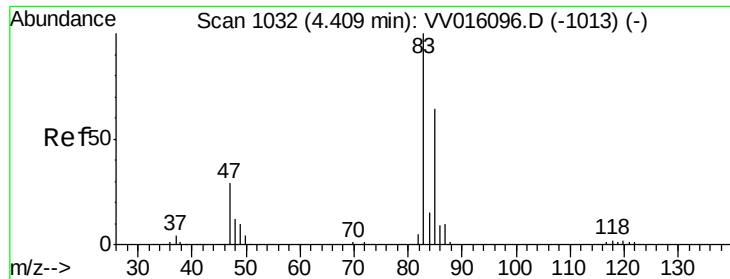
128 100

49 187.1 130.1 241.7

130 123.9 91.4 169.8

51 59.6 45.9 68.9

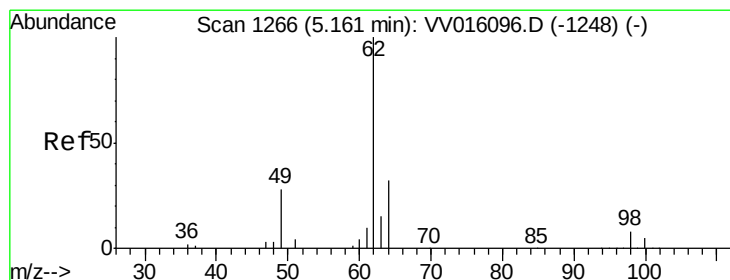
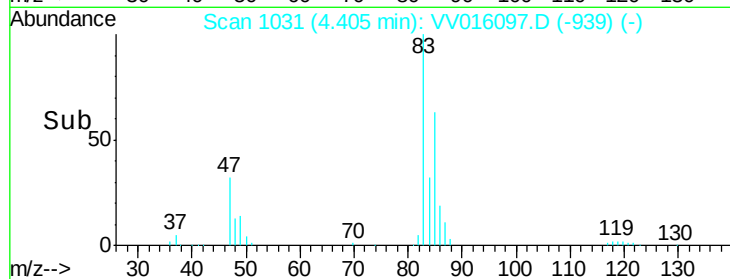
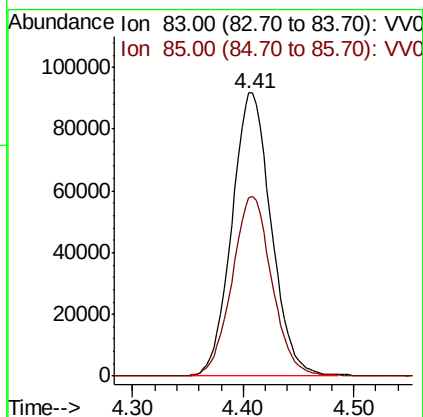
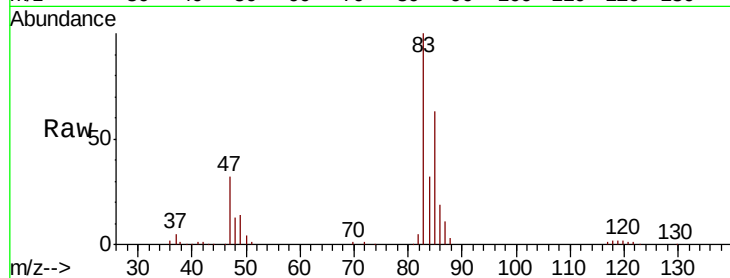




#25
Chloroform
Concen: 49.704 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV016097.D
Acq: 18 May 2020 13:10

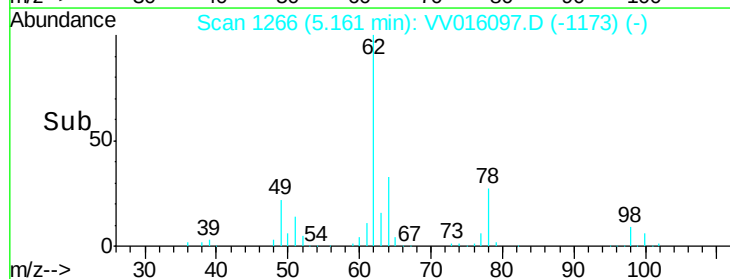
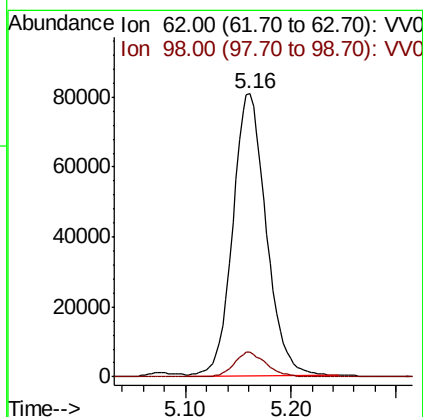
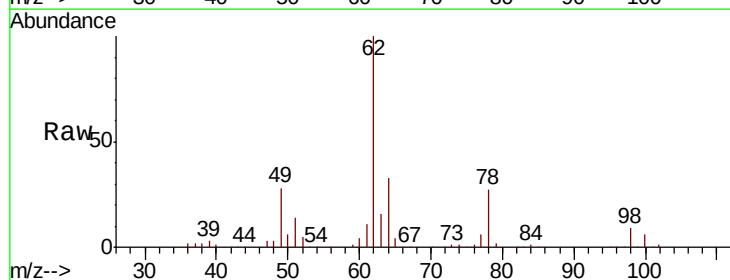
Instrument :
MSVOA_V
ClientSampled :

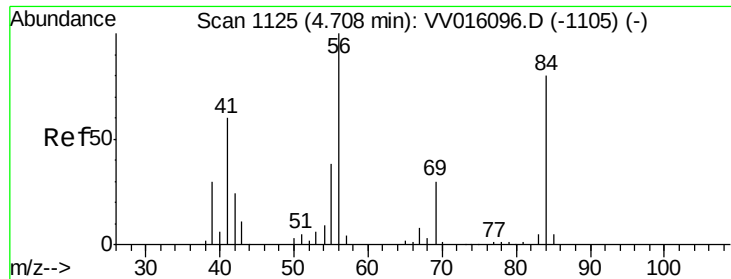
Tot Ion: 83 Resp: 226809
Ion Ratio Lower Upper
83 100
85 63.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 48.645 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VV016097.D
Acq: 18 May 2020 13:10

Tgt Ion: 62 Resp: 177539
Ion Ratio Lower Upper
62 100
98 8.7 6.6 10.0

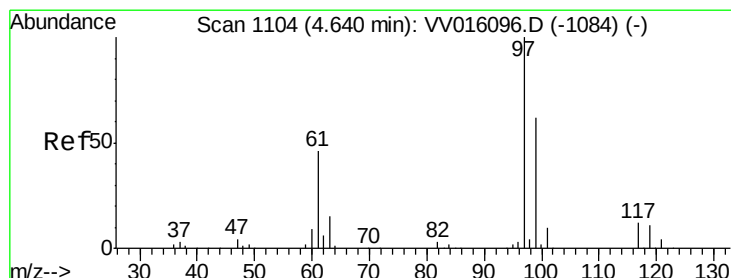
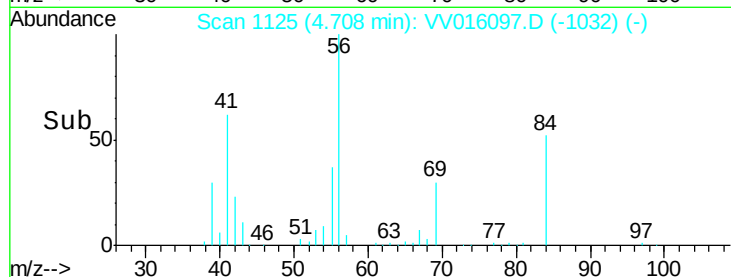
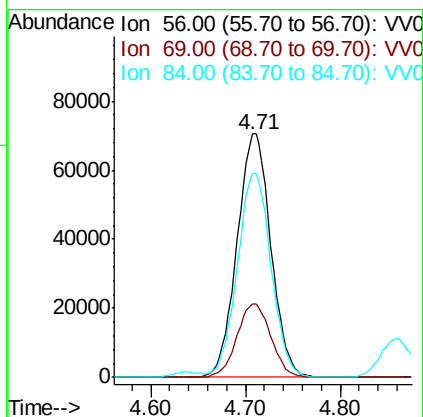
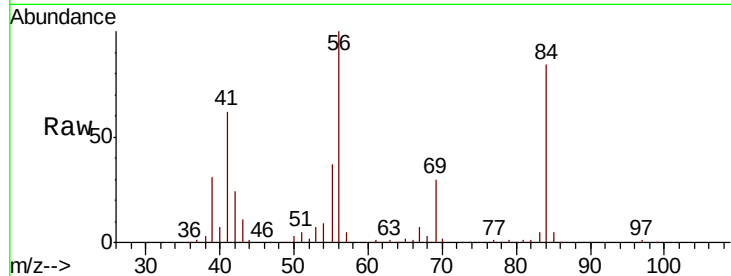




#29
Cyclohexane
Concen: 46.863 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VV016097.D
Acq: 18 May 2020 13:10

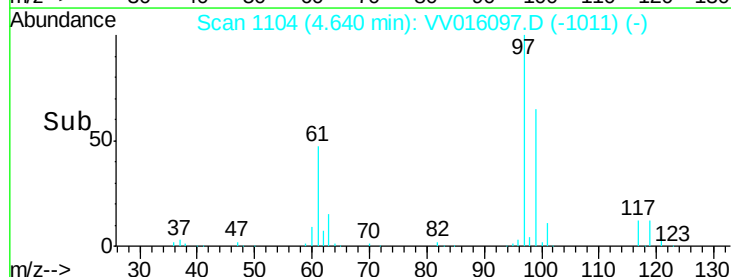
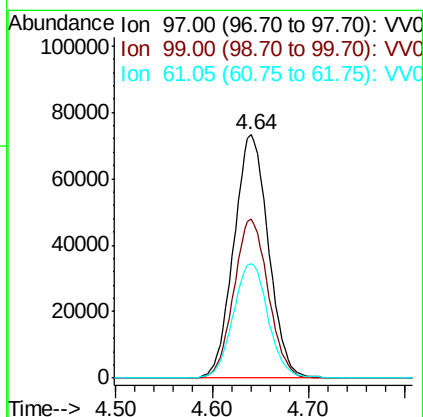
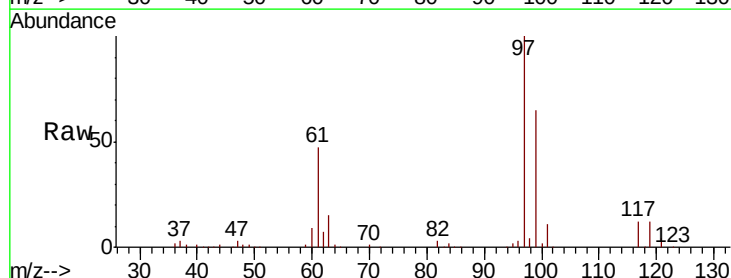
Instrument :
MSVOA_V
ClientSampled :

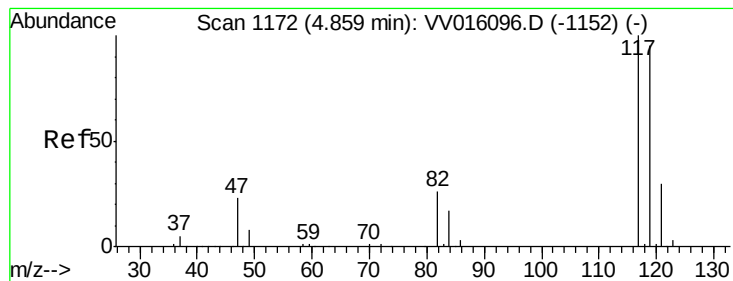
Tot Ion: 56 Resp: 174957
Ion Ratio Lower Upper
56 100
69 30.3 23.9 35.9
84 84.0 65.7 98.5



#30
1,1,1-Trichloroethane
Concen: 44.766 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. -0.00 min
Lab File: VV016097.D
Acq: 18 May 2020 13:10

Tgt Ion: 97 Resp: 182380
Ion Ratio Lower Upper
97 100
99 64.8 50.2 75.4
61 47.2 37.5 56.3





#31

Carbon tetrachloride

Concen: 44.588 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

Instrument :

MSVOA_V

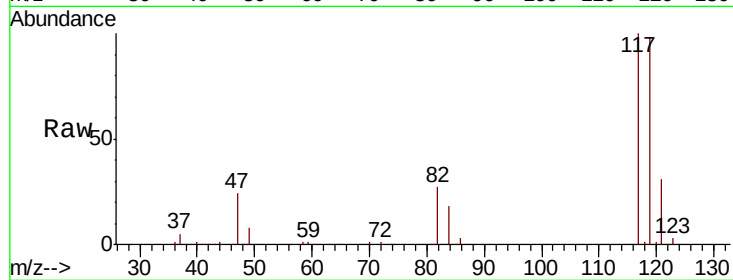
ClientSampleId :

Tot Ion:117 Resp: 153407

Ion Ratio Lower Upper

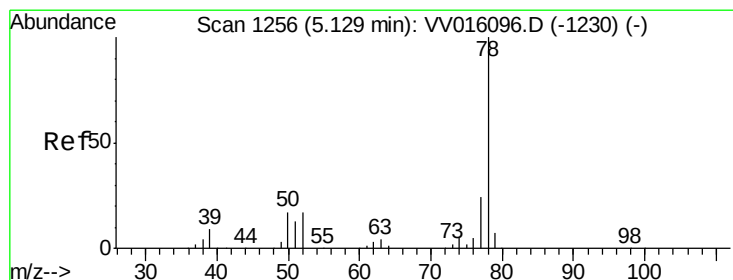
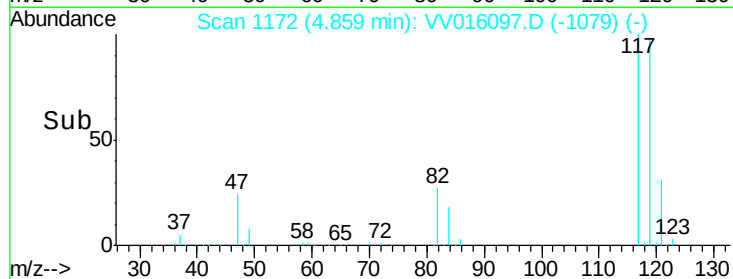
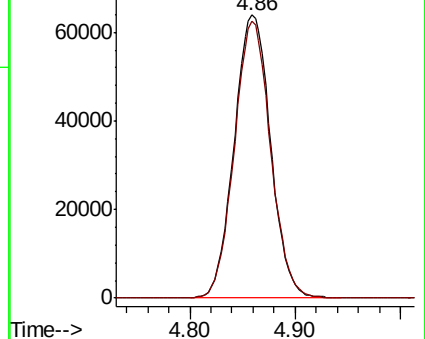
117 100

119 96.9 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.776 ug/L

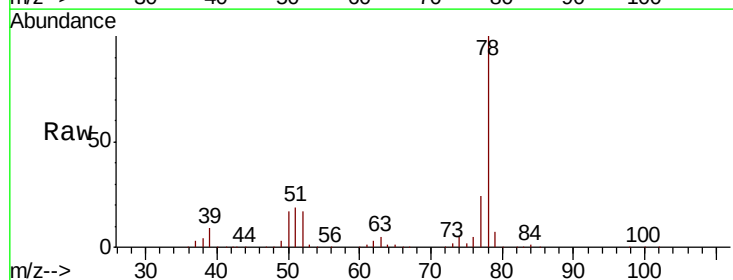
RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

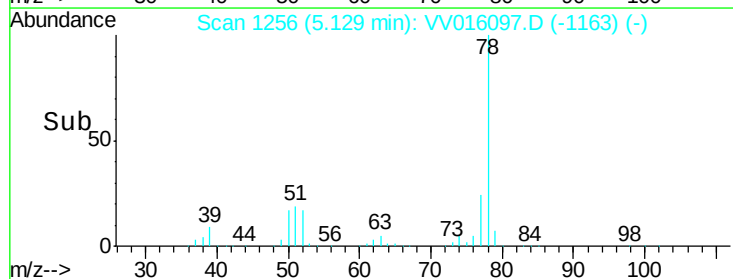
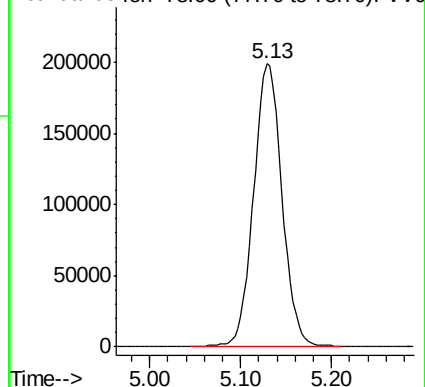
Lab File: VV016097.D

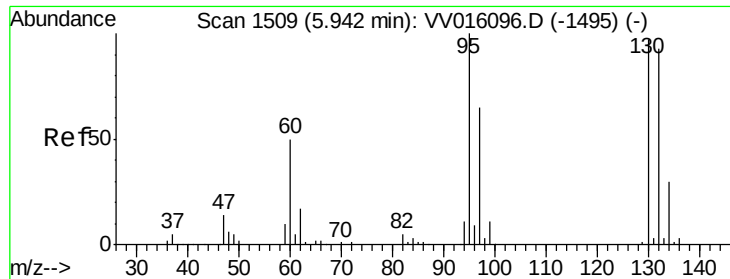
Acq: 18 May 2020 13:10

Tgt Ion: 78 Resp: 432981



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 46.127 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 110040

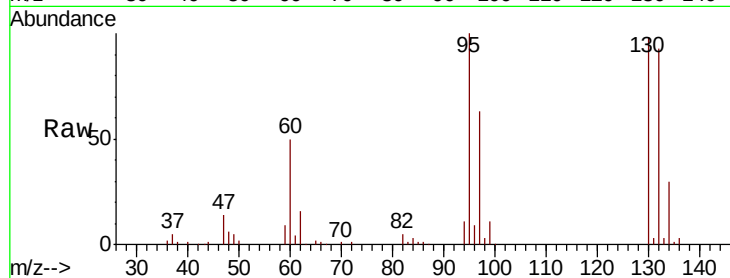
Ion Ratio Lower Upper

95 100

97 63.0 45.7 84.9

132 92.7 65.4 121.4

130 98.3 68.0 126.2

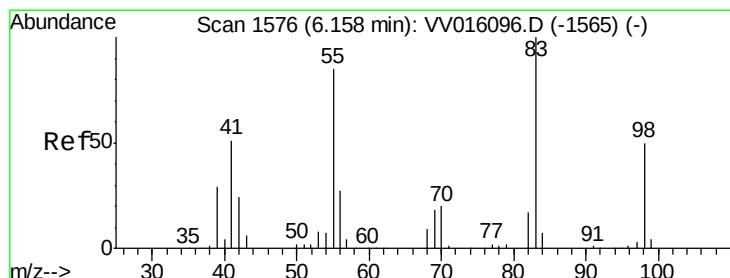
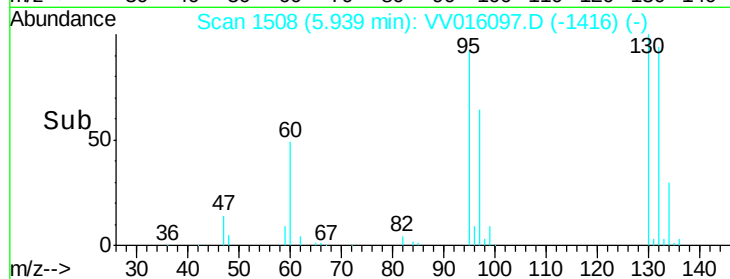
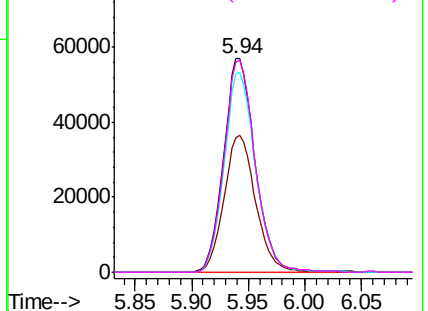


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 47.041 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

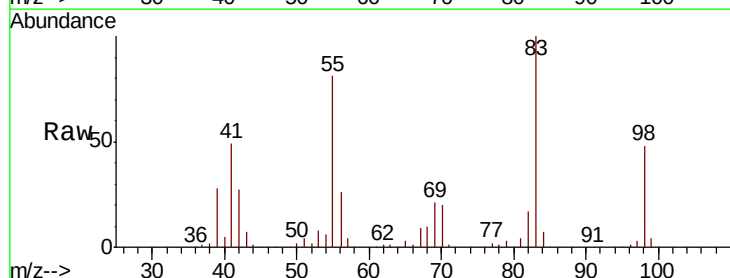
Tgt Ion: 83 Resp: 175077

Ion Ratio Lower Upper

83 100

55 81.2 66.2 99.2

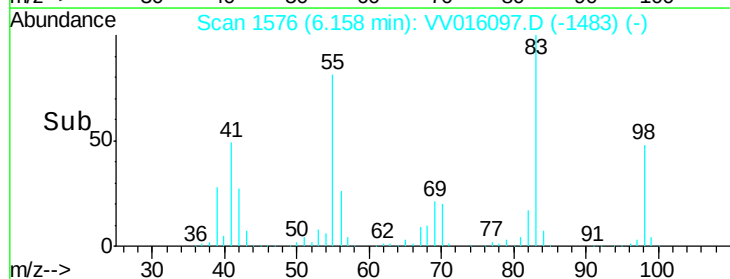
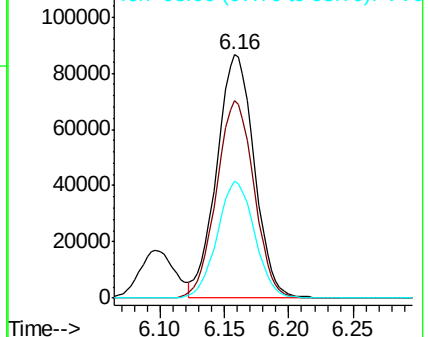
98 47.9 39.9 59.9

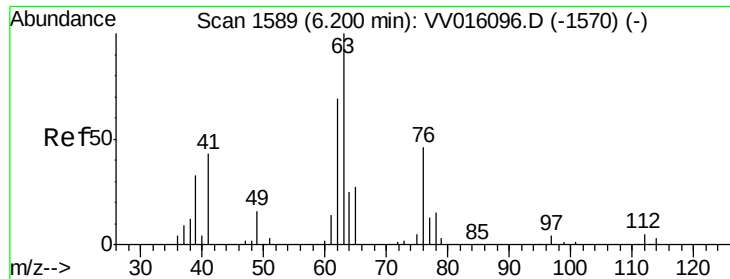


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

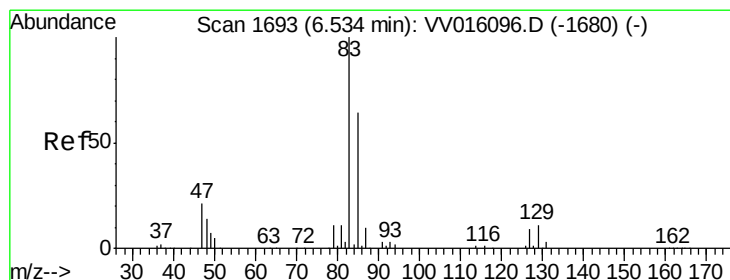
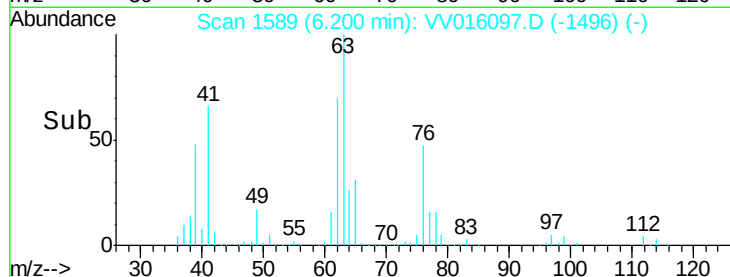
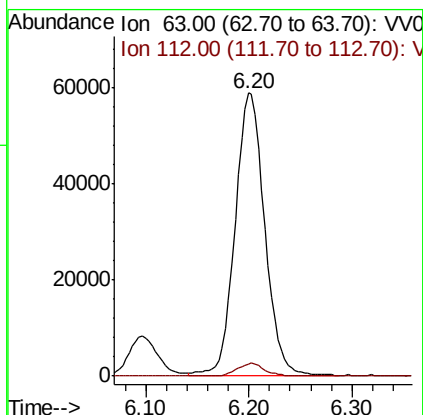
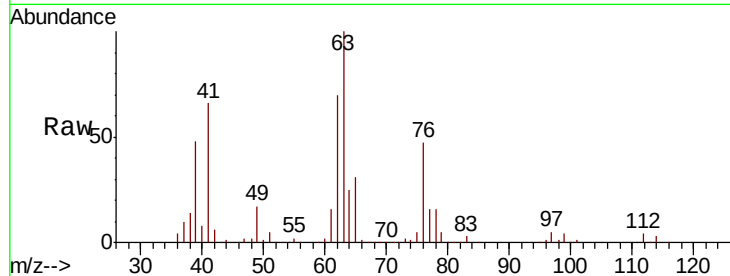




#37
 1,2-Dichloropropane
 Concen: 47.107 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

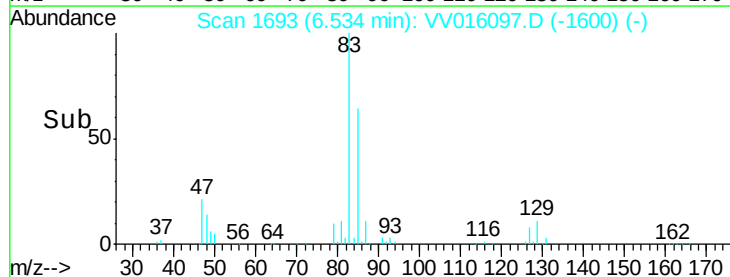
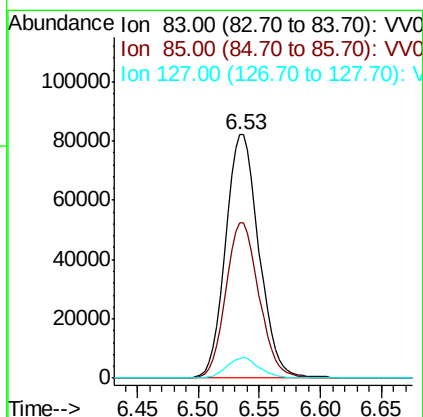
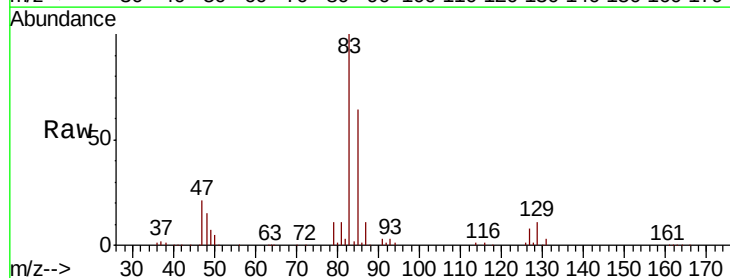
Instrument :
 MSVOA_V
 ClientSampleId :

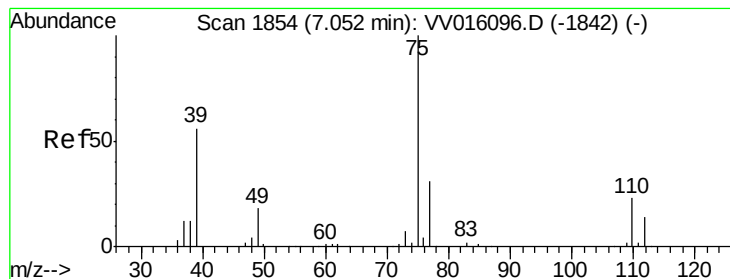
Tot Ion: 63 Resp: 117572
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 47.068 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

Tgt Ion: 83 Resp: 157486
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 82.9
 127 8.2 7.1 10.7



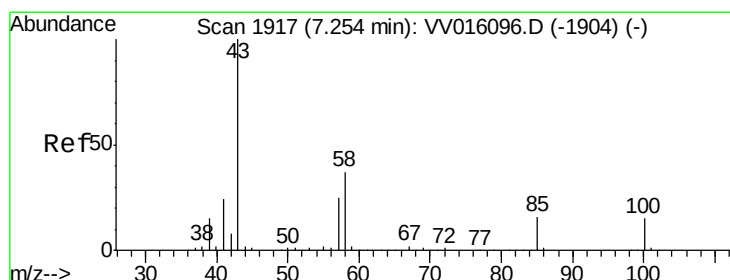
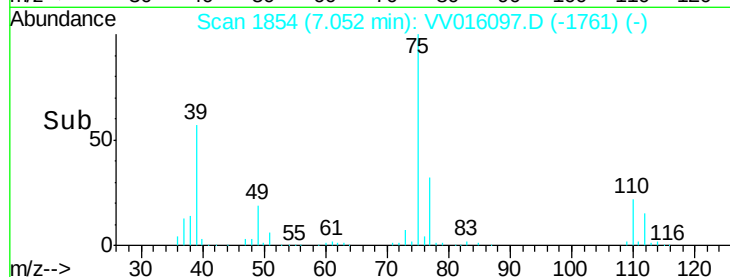
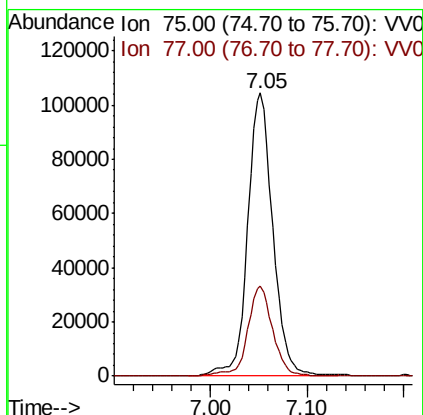
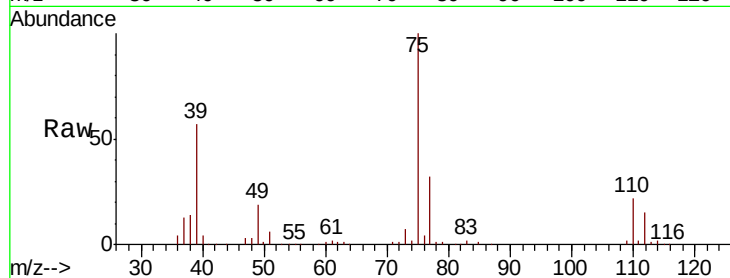


#39

cis-1,3-Dichloropropene
 Concen: 50.122 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

Instrument :
 MSVOA_V
 ClientSampleId :

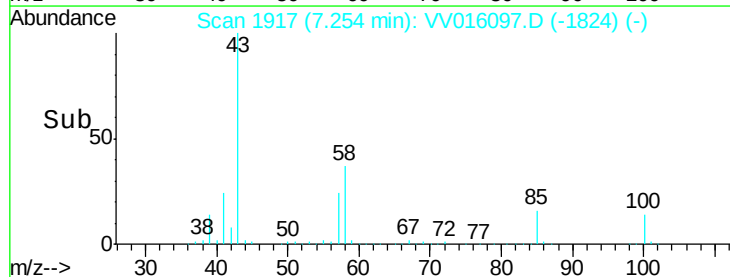
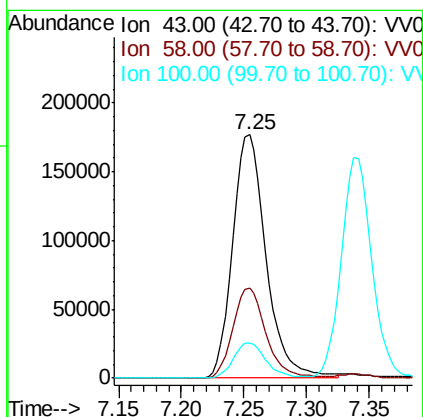
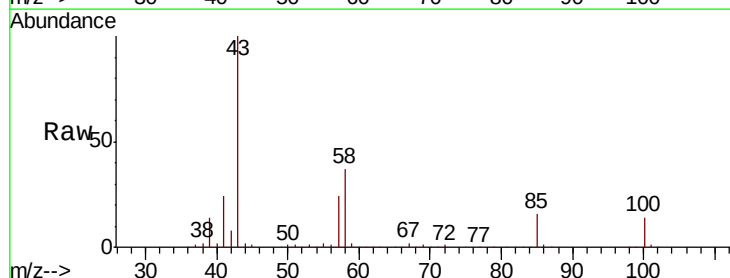
Tot Ion: 75 Resp: 188786
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.3

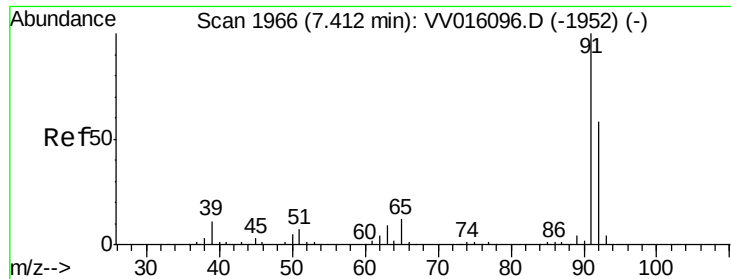


#40

4-Methyl-2-pentanone
 Concen: 104.659 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

Tgt Ion: 43 Resp: 328039
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.4 44.2
 100 14.0 11.0 16.6





#42

Toluene

Concen: 47.697 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

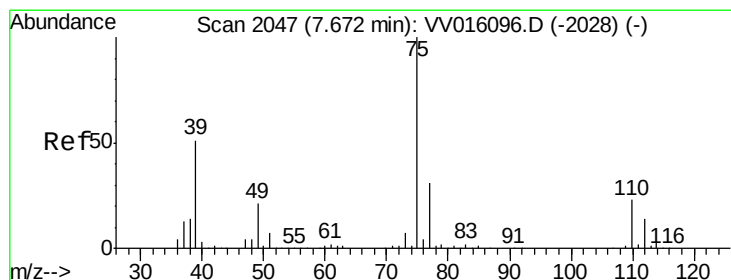
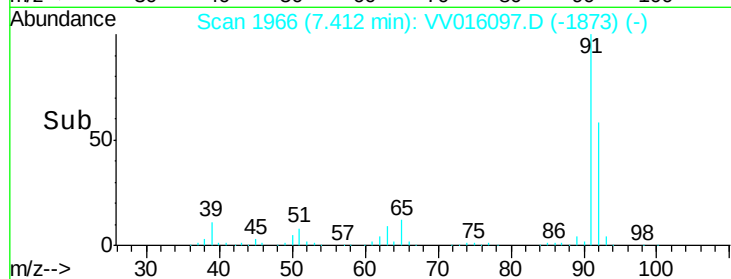
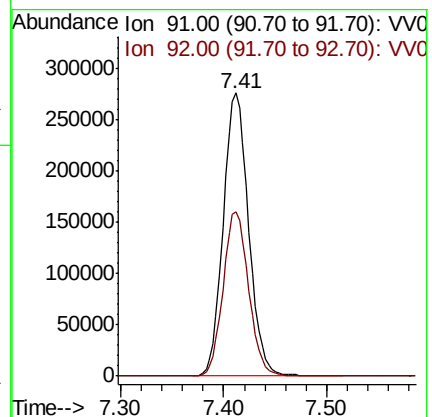
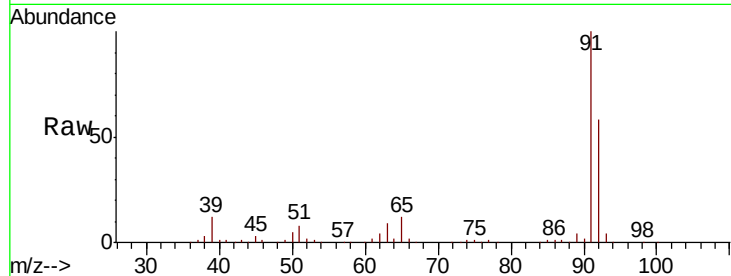
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 473615

Ion Ratio Lower Upper

91 100

92 58.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 49.663 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV016097.D

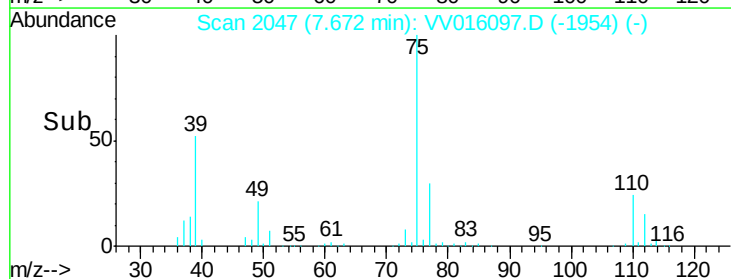
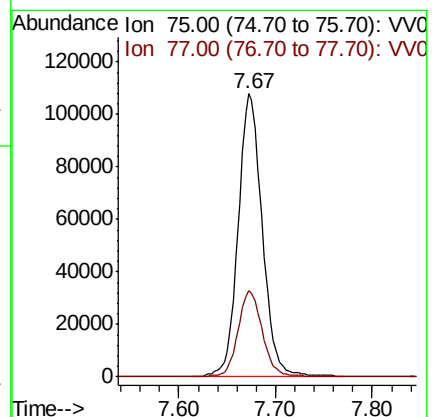
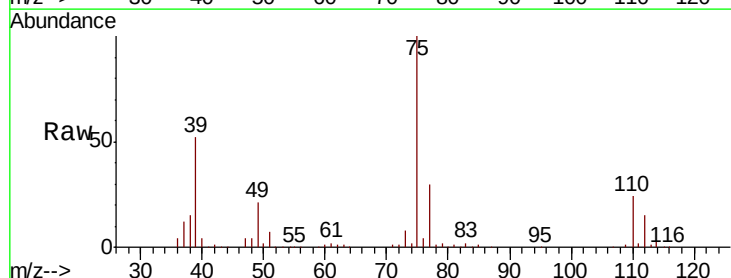
Acq: 18 May 2020 13:10

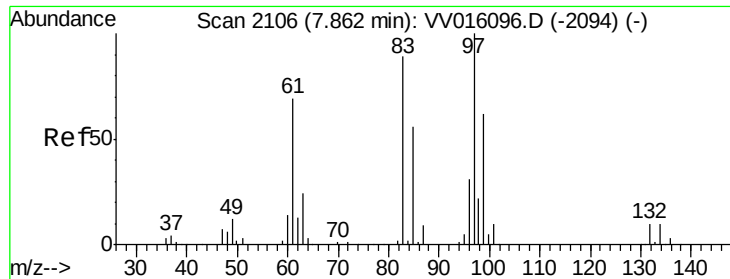
Tgt Ion: 75 Resp: 187462

Ion Ratio Lower Upper

75 100

77 30.5 21.3 39.6

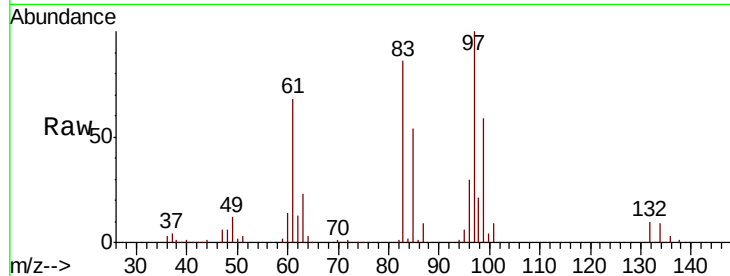




#45
 1,1,2-Trichloroethane
 Concen: 47.645 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

Instrument :
 MSVOA_V
 ClientSampled :

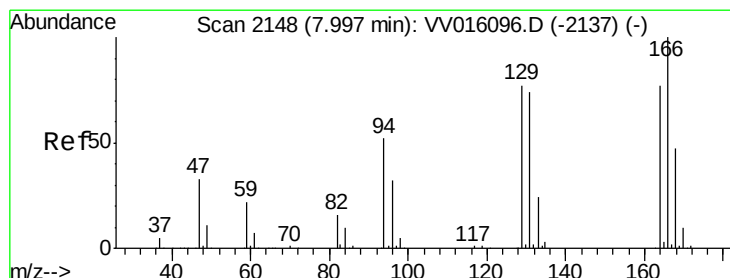
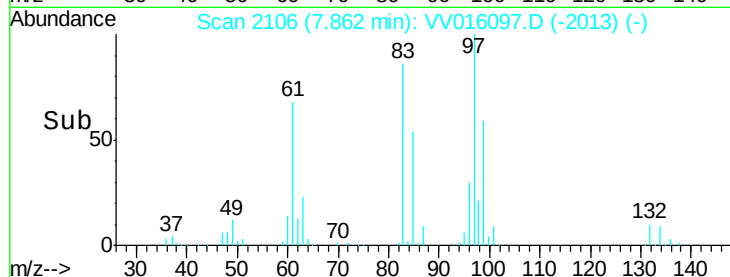
Tot Ion:	97	Resp:	109507
Ion	Ratio	Lower	Upper
97	100		
99	58.6	43.6	81.0
83	85.6	62.0	115.2
85	54.1	39.3	73.1



Abundance

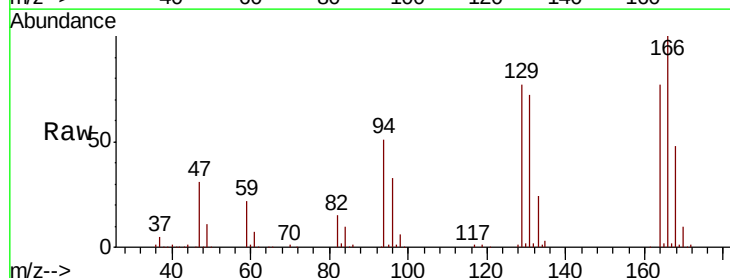
Ion 97.00 (96.70 to 97.70): VV016097.D (-2013) (-)

Time-->



#46
 Tetrachloroethene
 Concen: 44.909 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

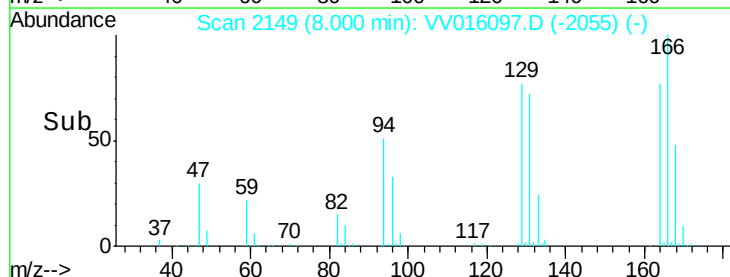
Tgt Ion:	164	Resp:	82225
Ion	Ratio	Lower	Upper
164	100		
129	100.4	70.3	130.7
131	94.2	67.1	124.5
166	130.4	90.9	168.9

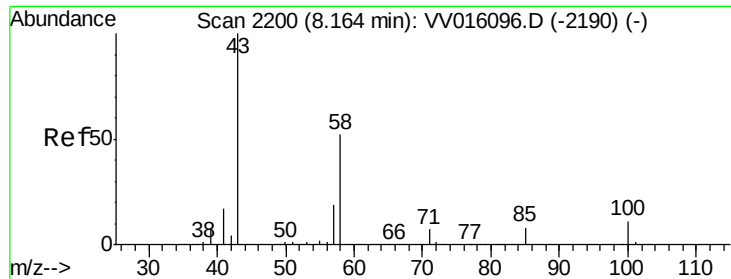


Abundance

Ion 164.00 (163.70 to 164.70): VV016097.D (-2055) (-)

Time-->

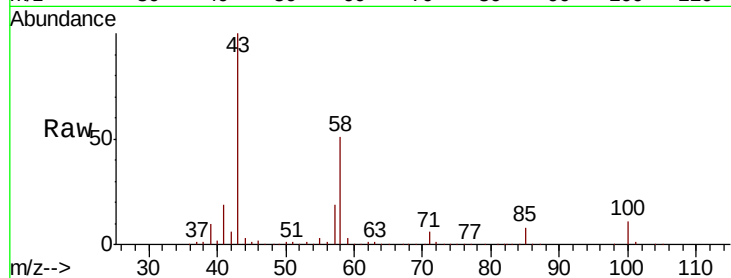




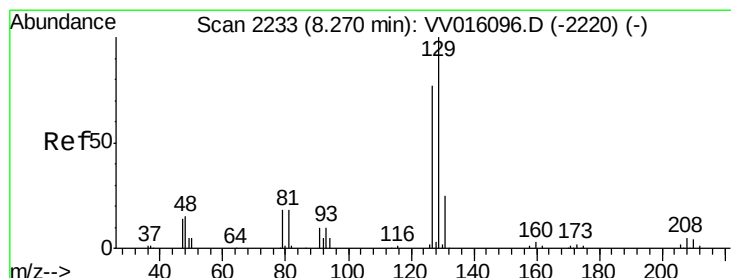
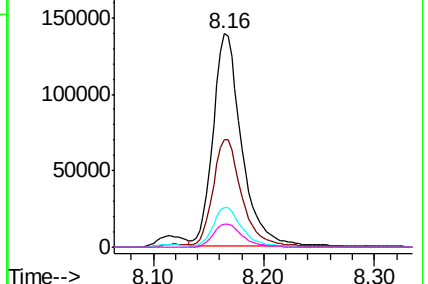
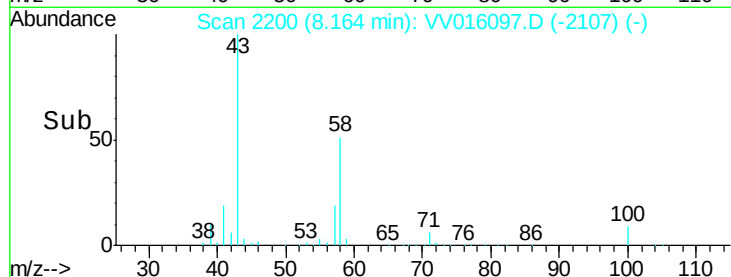
#48
2-Hexanone
Concen: 105.080 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV016097.D
Acq: 18 May 2020 13:10

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 249930
Ion Ratio Lower Upper
43 100
58 50.5 40.9 61.3
57 18.7 15.0 22.4
100 11.2 9.0 13.6

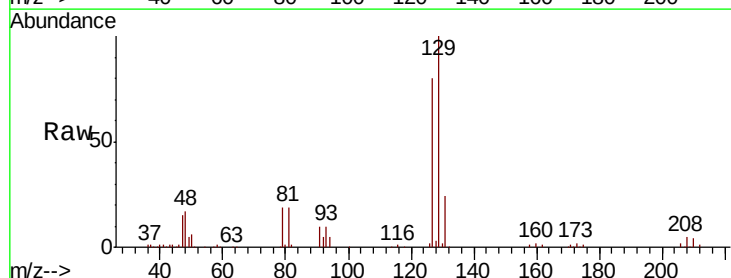


Abundance Ion 43.00 (42.70 to 43.70): VV016097.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV016097.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV016097.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV016097.D (-2107) (-)

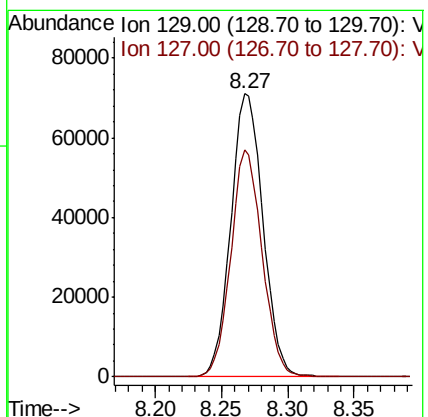
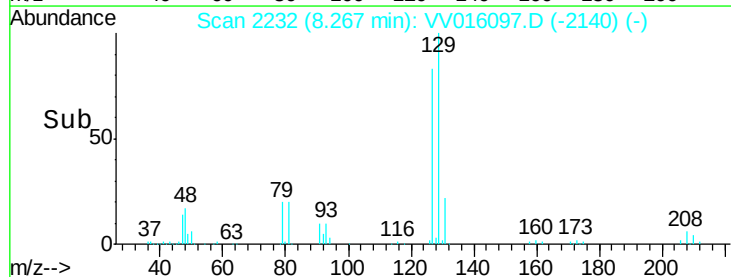


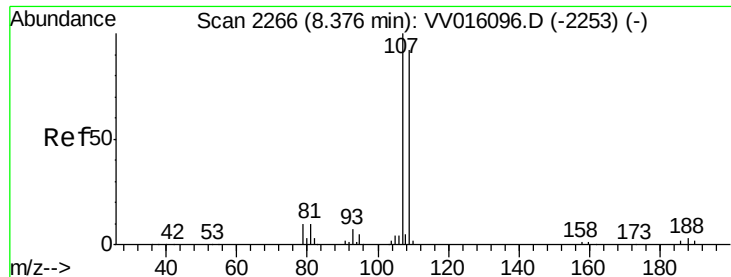
#49
Dibromochloromethane
Concen: 49.297 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016097.D
Acq: 18 May 2020 13:10

Tgt Ion: 129 Resp: 120037
Ion Ratio Lower Upper
129 100
127 80.3 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV016097.D (-2140) (-)
Ion 127.00 (126.70 to 127.70): VV016097.D (-2140) (-)

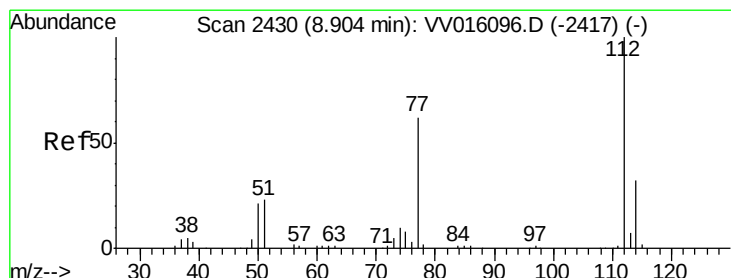
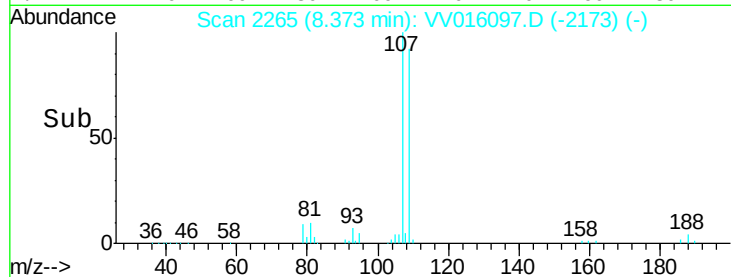
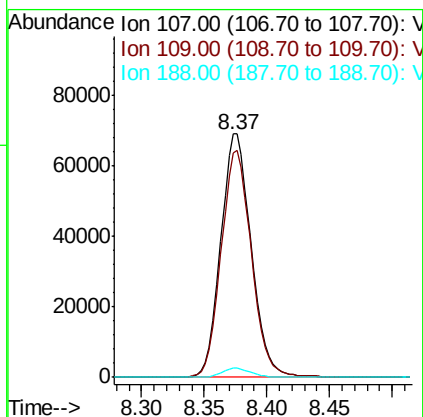
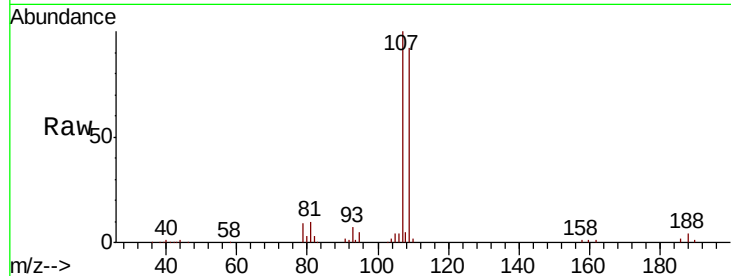




#50
 1,2-Dibromoethane
 Concen: 48.723 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

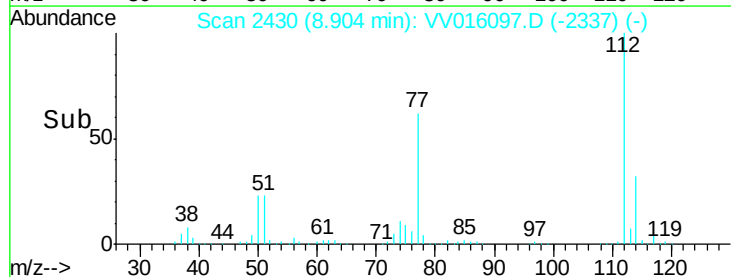
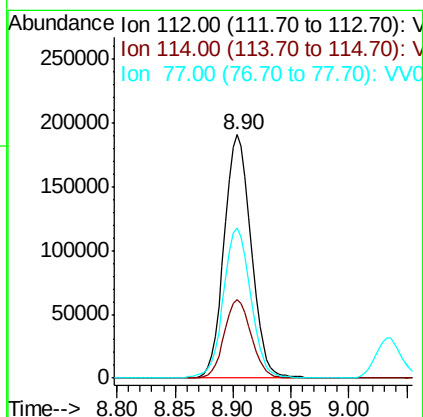
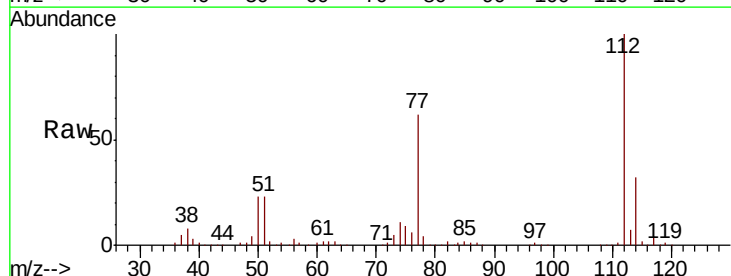
Instrument :
 MSVOA_V
 ClientSampleId :

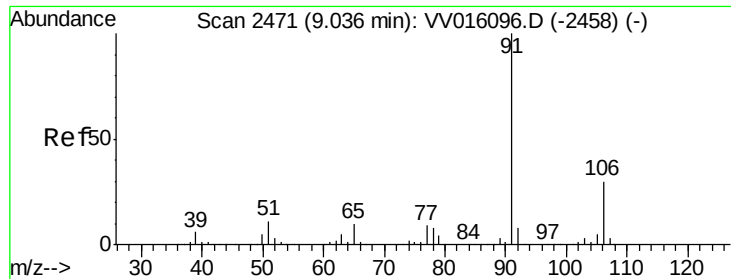
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	64.6	120.0
188	3.7	2.7	4.1



#51
 Chlorobenzene
 Concen: 47.461 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.5	41.9
77	61.8	50.4	75.6





#52

Ethylbenzene

Concen: 48.037 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

Instrument :

MSVOA_V

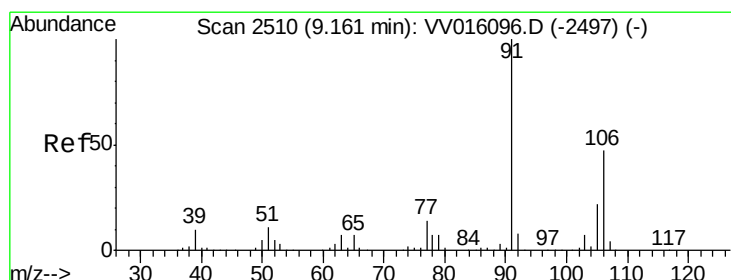
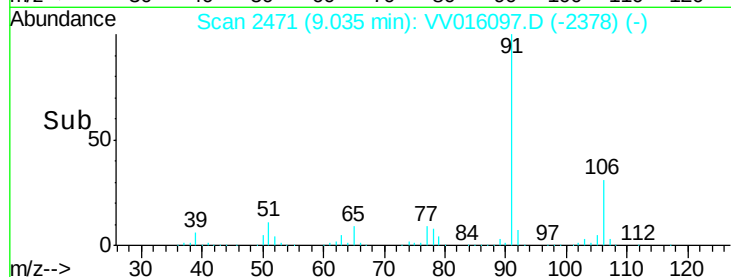
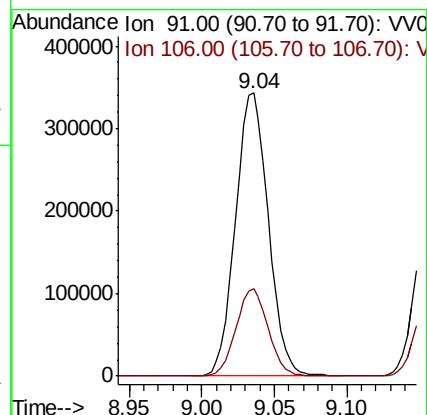
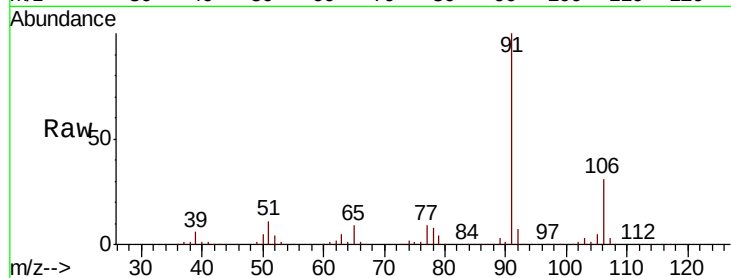
ClientSampleId :

Tot Ion: 91 Resp: 539689

Ion Ratio Lower Upper

91 100

106 30.8 21.2 39.4



#53

m,p-Xylene

Concen: 48.227 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016097.D

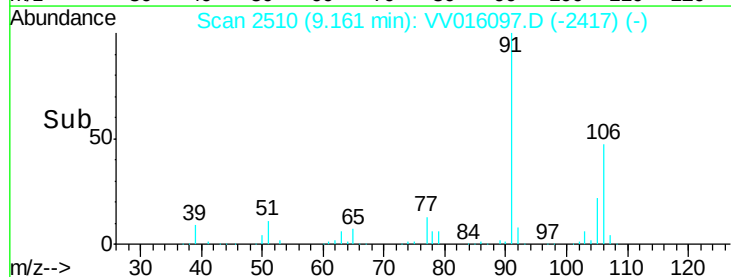
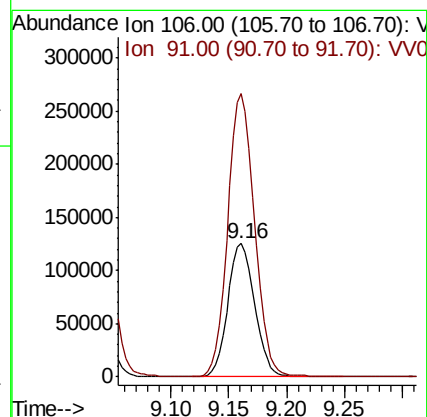
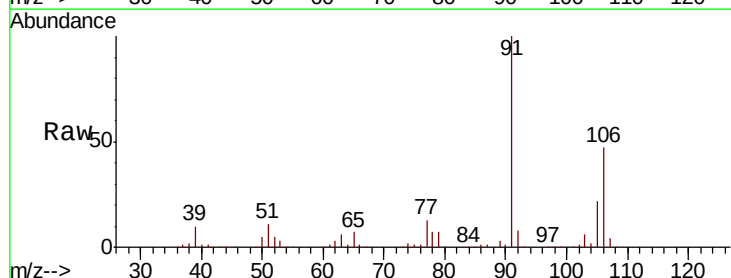
Acq: 18 May 2020 13:10

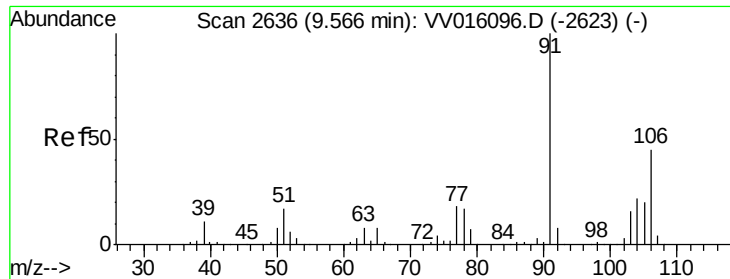
Tgt Ion: 106 Resp: 201845

Ion Ratio Lower Upper

106 100

91 212.0 147.8 274.4

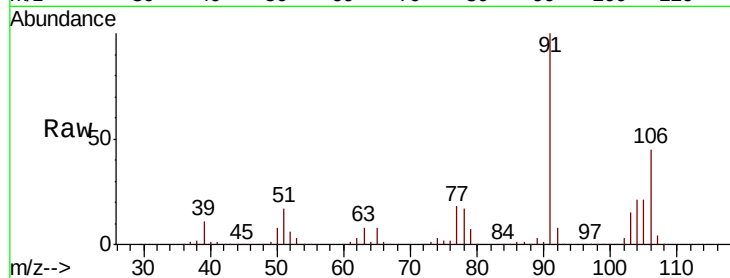




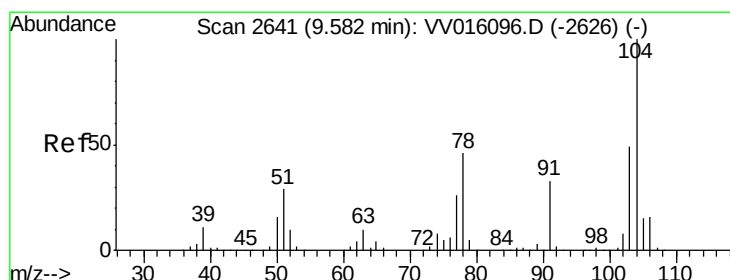
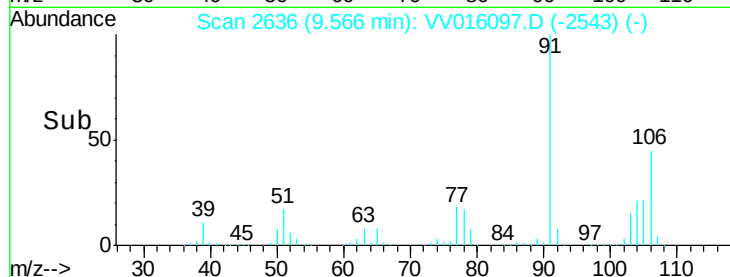
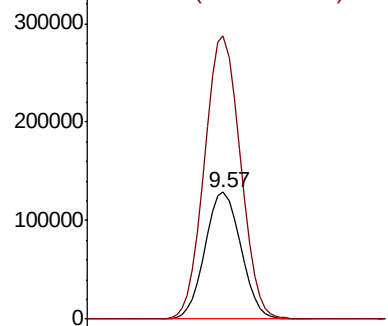
#54
o-xylene
Concen: 48.388 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV016097.D
Acq: 18 May 2020 13:10

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 197471
Ion Ratio Lower Upper
106 100
91 222.7 154.5 286.9

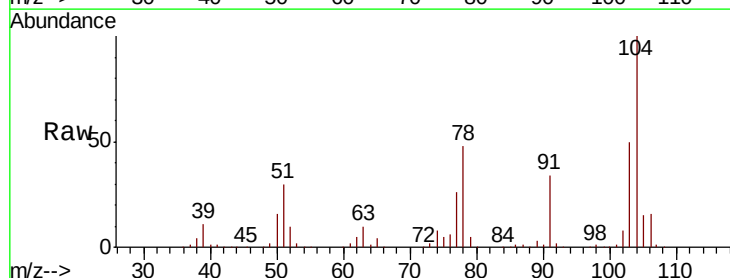


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

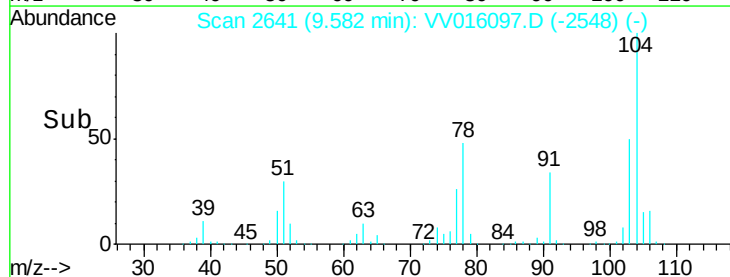
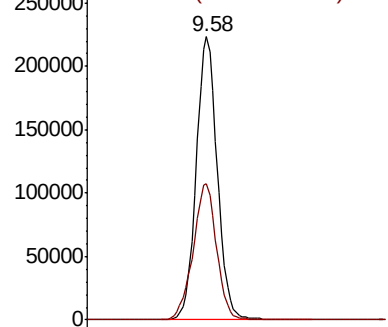


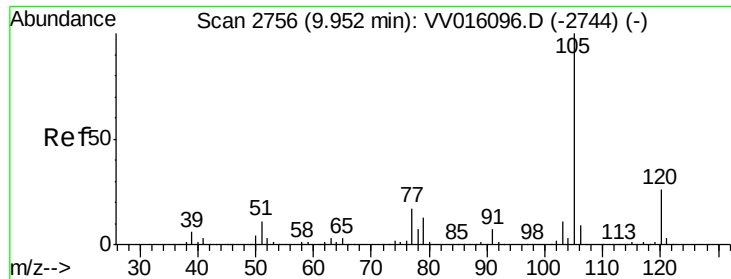
#55
Styrene
Concen: 50.231 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016097.D
Acq: 18 May 2020 13:10

Tgt Ion:104 Resp: 351593
Ion Ratio Lower Upper
104 100
78 48.3 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.902 ug/L

RT: 9.95 min Scan# 2756

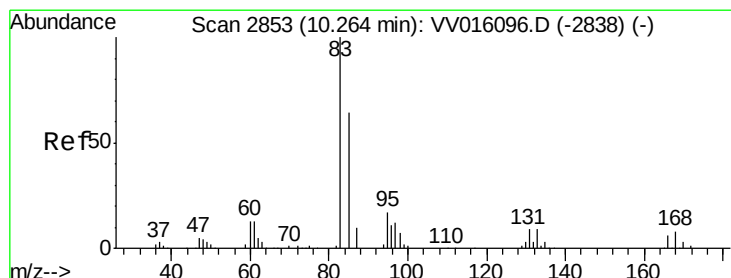
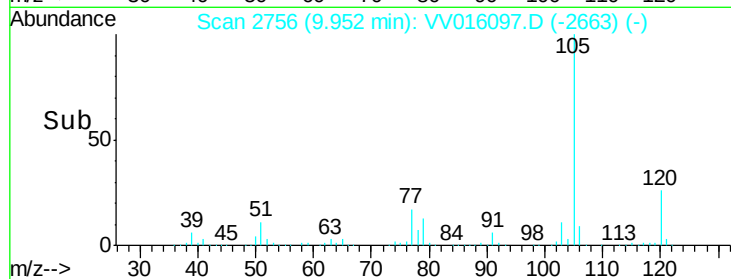
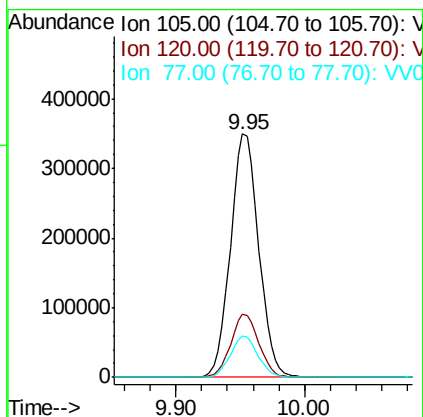
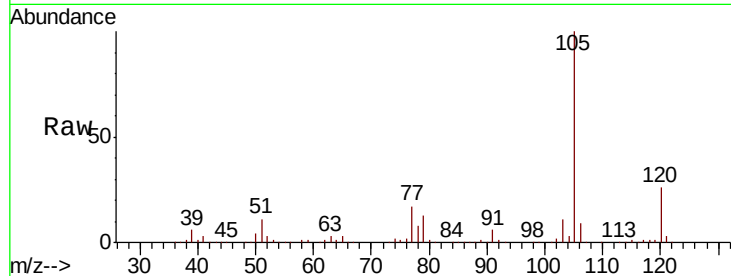
Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	530938
Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	31.0
77	16.6	13.3	19.9



#58

1,1,2,2-Tetrachloroethane

Concen: 48.328 ug/L

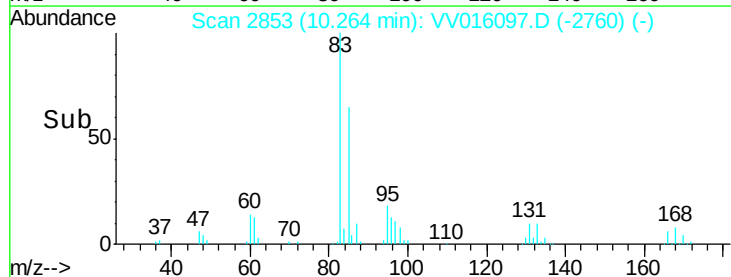
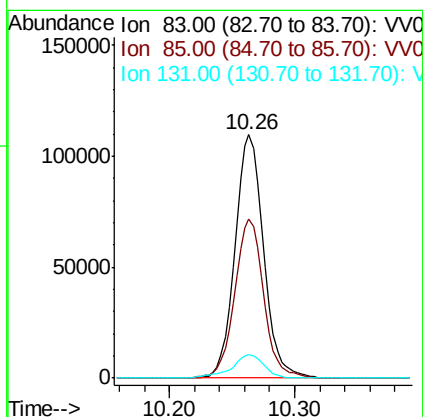
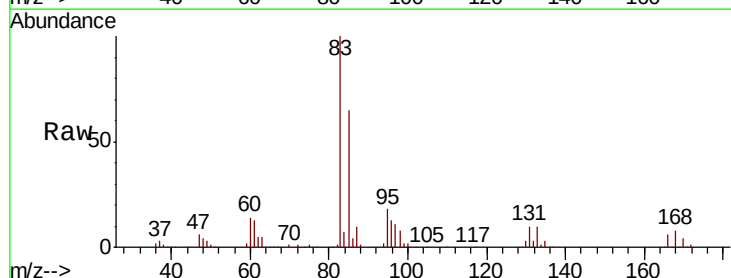
RT: 10.26 min Scan# 2853

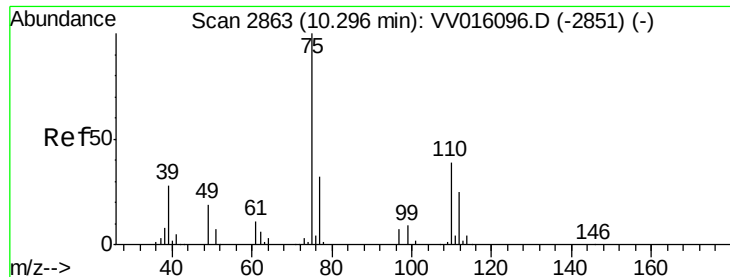
Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

Tgt Ion:	83	Resp:	173605
Ion	Ratio	Lower	Upper
83	100		
85	65.2	44.8	83.2
131	9.7	7.6	11.4





#59

1,2,3-Trichloropropane

Concen: 48.661 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

Instrument :

MSVOA_V

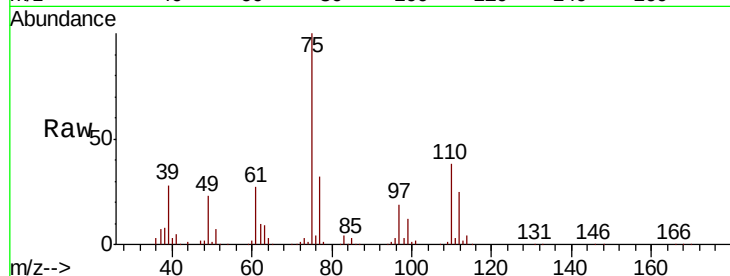
ClientSampleId :

Tot Ion: 75 Resp: 144460

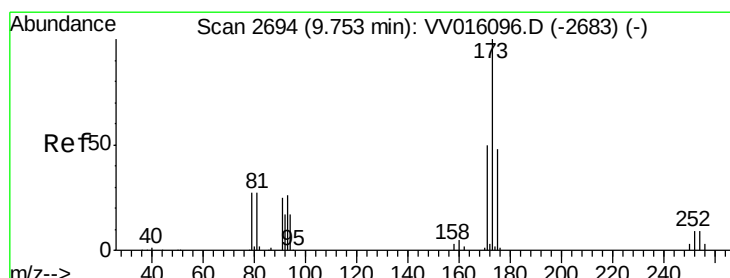
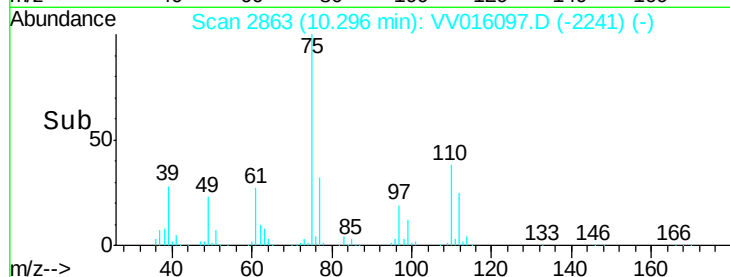
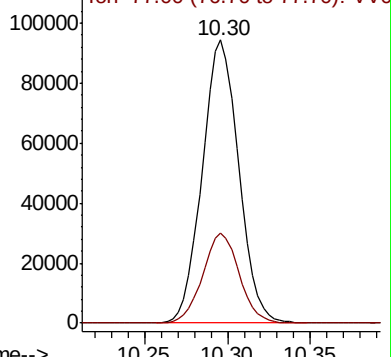
Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV016097.D (-2851) (-)



#61

Bromoform

Concen: 50.497 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

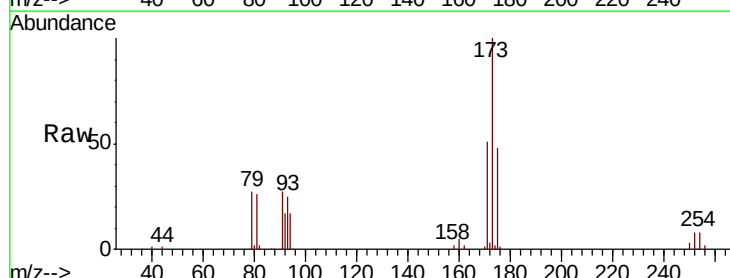
Tgt Ion: 173 Resp: 80199

Ion Ratio Lower Upper

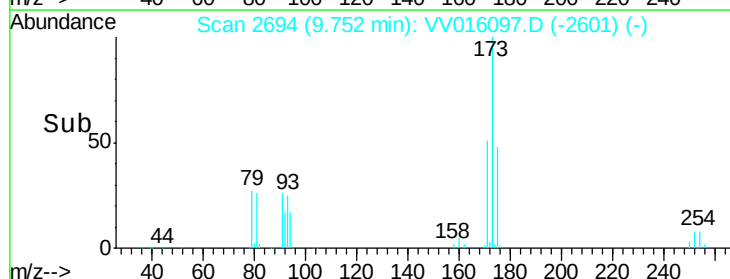
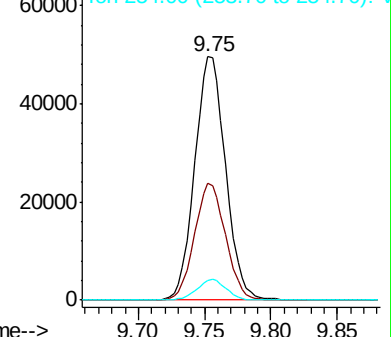
173 100

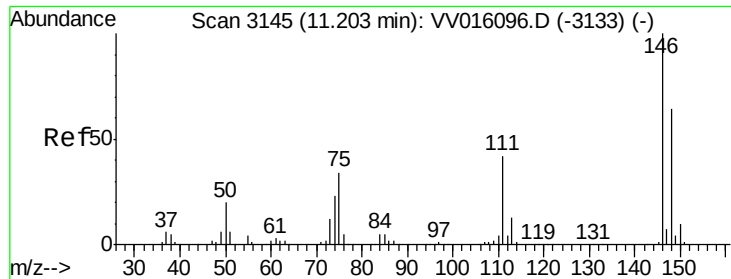
175 48.2 38.3 57.5

254 8.1 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): VV016097.D (-2683) (-)

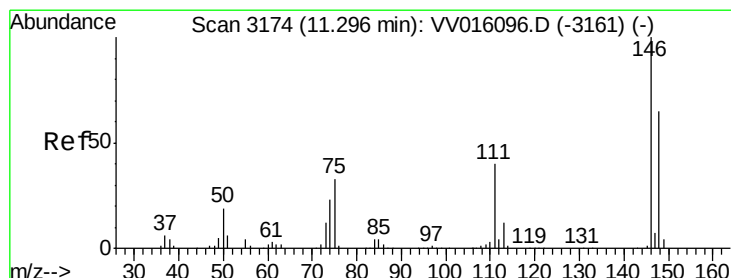
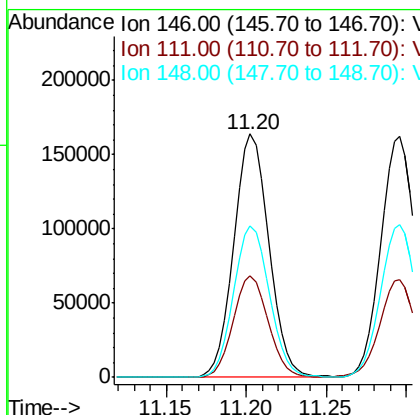
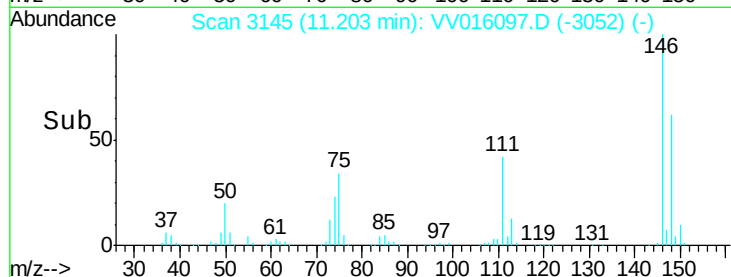
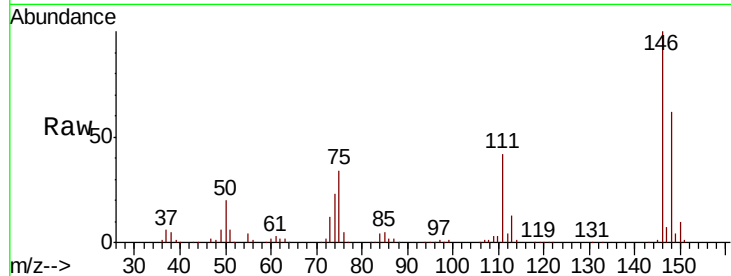




#62
 1,3-Dichlorobenzene
 Concen: 47.305 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

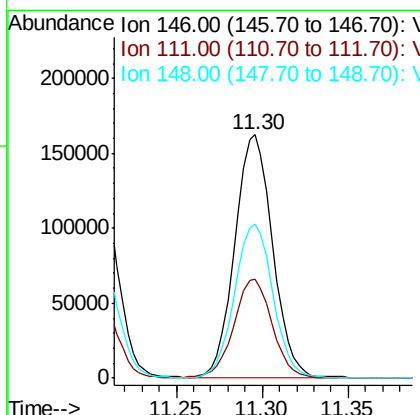
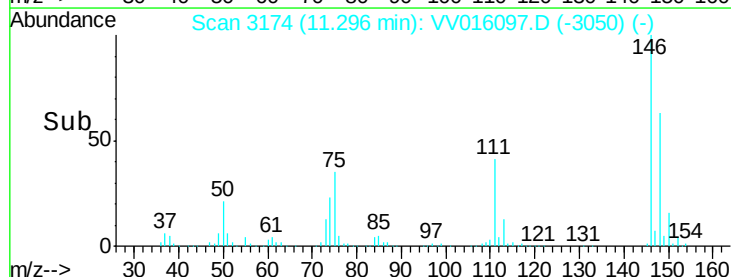
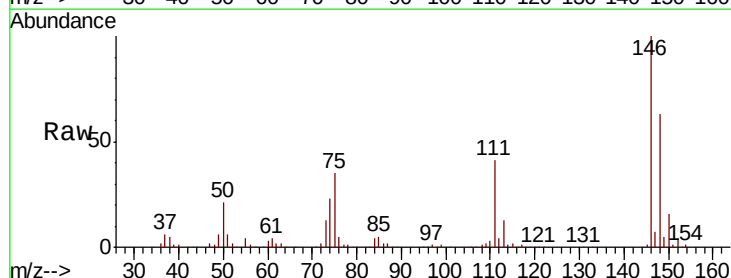
Instrument :
 MSVOA_V
 ClientSampled :

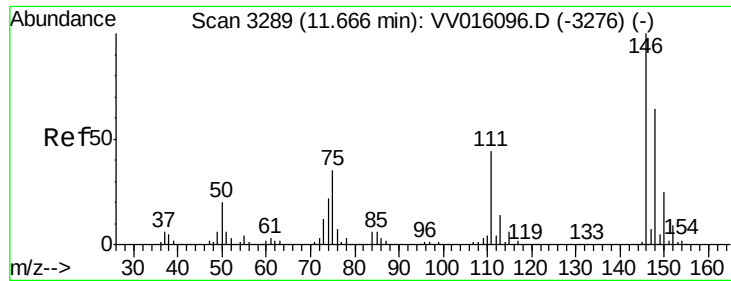
Tot Ion:146 Resp: 244553
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.1 54.1
 148 62.2 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 46.812 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

Tgt Ion:146 Resp: 247469
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.1 52.3
 148 63.4 45.7 84.9

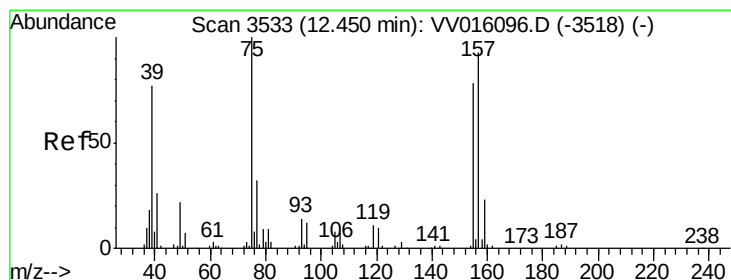
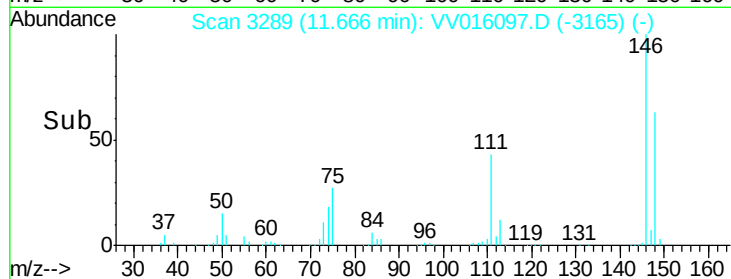
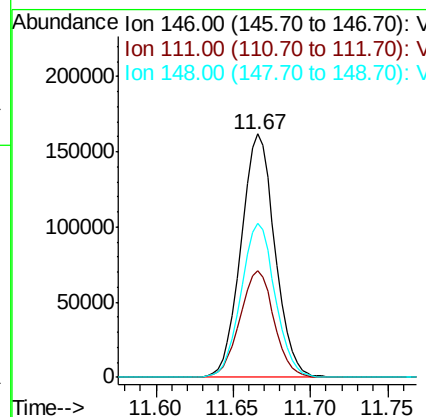
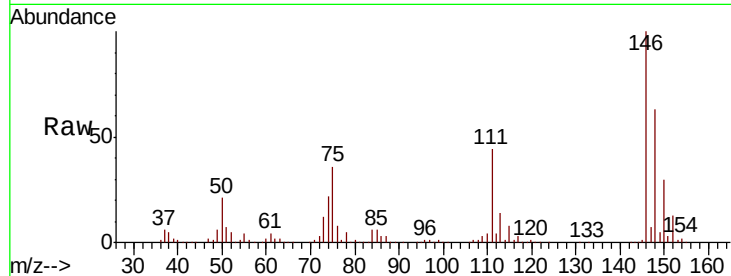




#65
 1,2-Dichlorobenzene
 Concen: 47.154 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

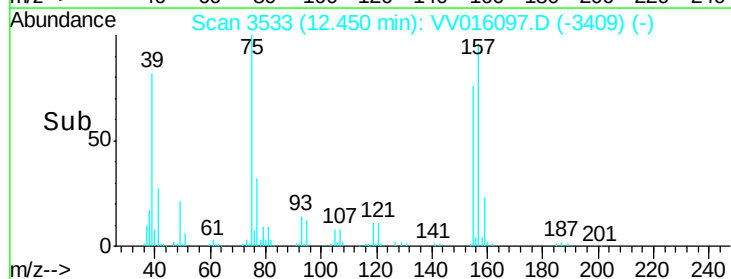
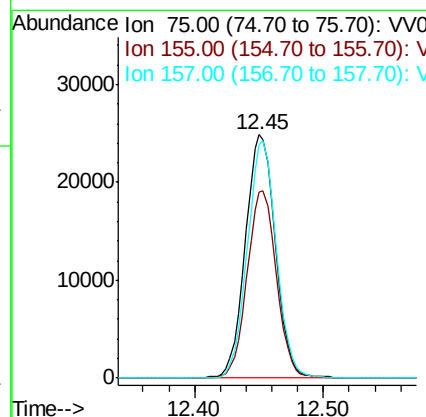
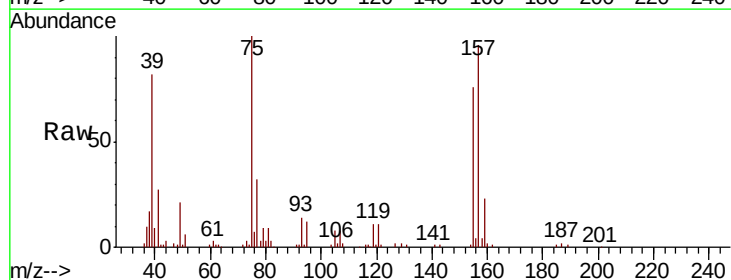
Instrument :
 MSVOA_V
 ClientSampled :

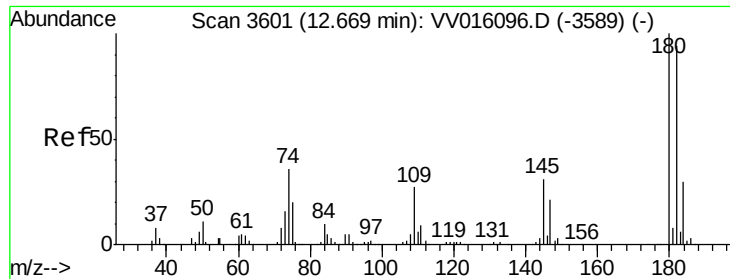
Tot Ion:146 Resp: 246084
 Ion Ratio Lower Upper
 146 100
 111 43.6 35.2 52.8
 148 63.3 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.021 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

Tgt Ion: 75 Resp: 40341
 Ion Ratio Lower Upper
 75 100
 155 76.1 62.1 93.1
 157 96.1 74.6 111.8

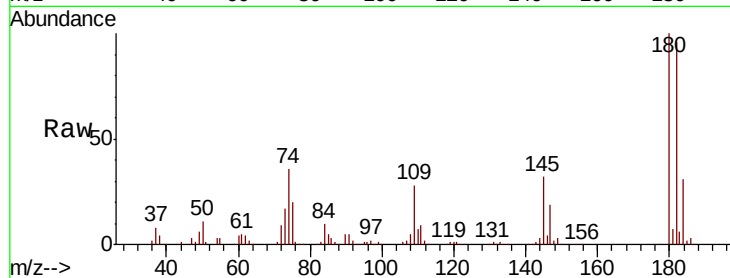




#67
 1,3,5-Trichlorobenzene
 Concen: 47.119 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.8	113.6
184	30.6	24.3	36.5
145	31.9	25.0	37.6

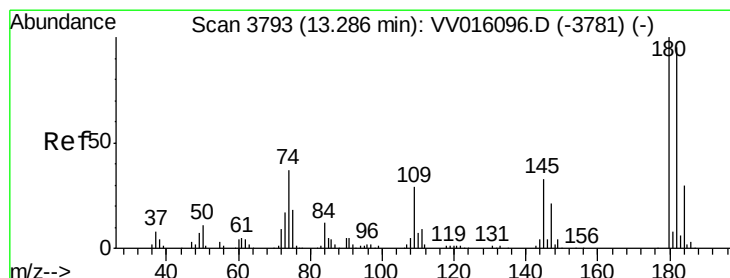
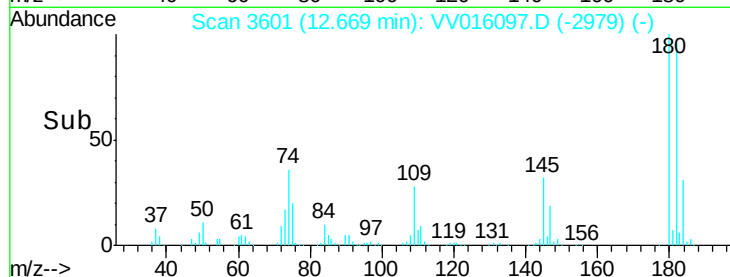
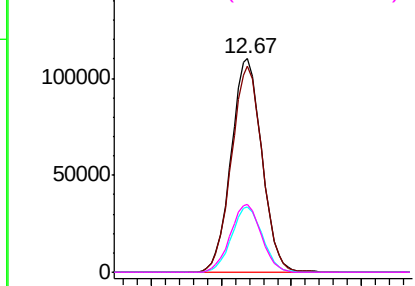


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

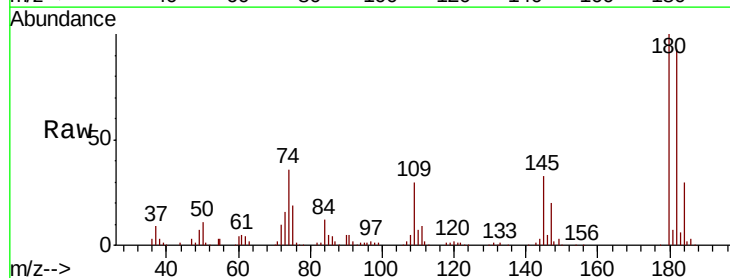
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.542 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016097.D
 Acq: 18 May 2020 13:10

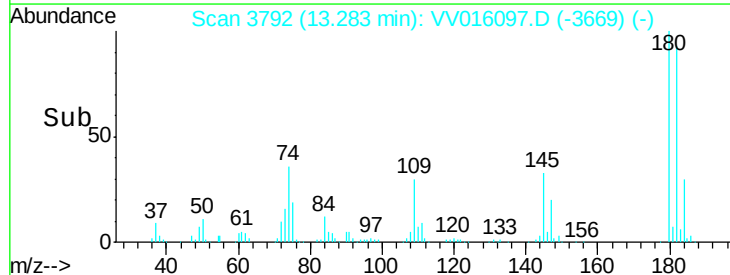
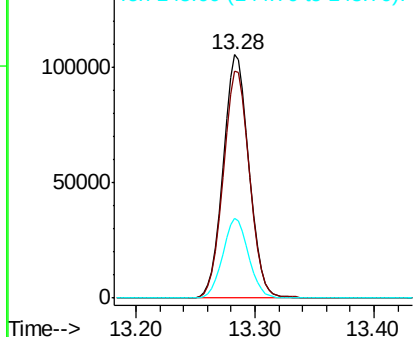
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.4
145	32.5	26.2	39.2

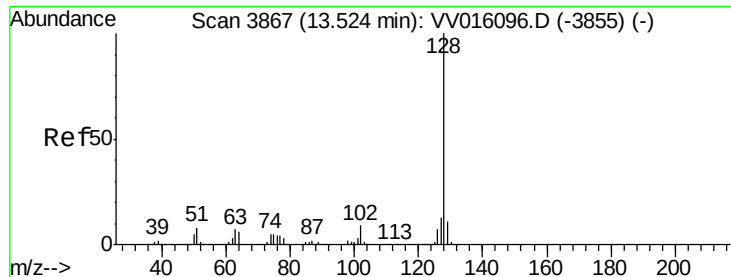


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 54.368 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

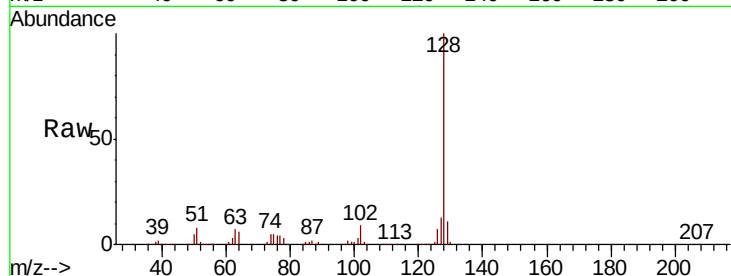
Tot Ion:128 Resp: 506396

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

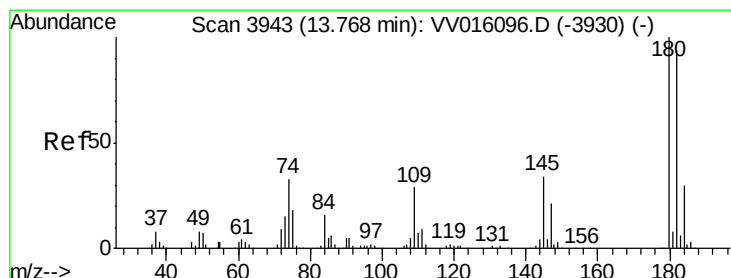
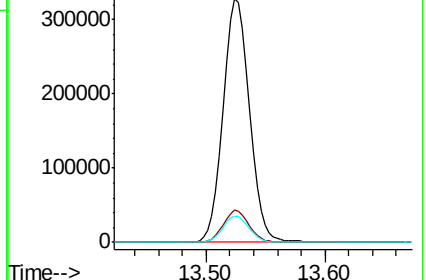
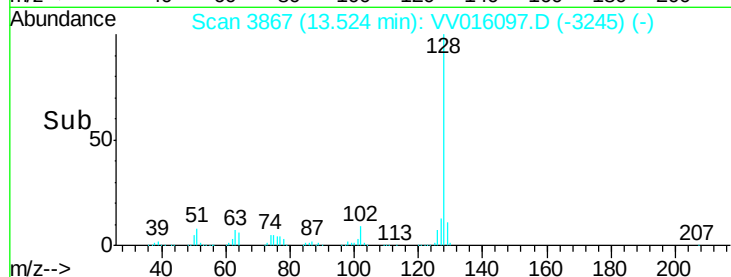
129 10.7 8.6 13.0



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: 50.002 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016097.D

Acq: 18 May 2020 13:10

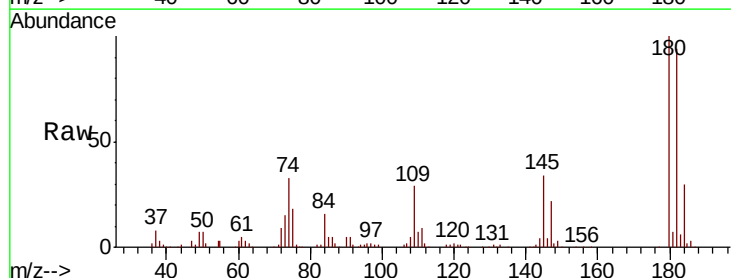
Tgt Ion:180 Resp: 162421

Ion Ratio Lower Upper

180 100

182 94.5 75.3 112.9

145 34.5 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

