

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016096.D
 Acq On : 18 May 2020 12:47
 Operator : SY/MD
 Sample : VSTD05063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 19 03:16:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 19 03:10:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	341704	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	335040	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	172480	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	116825	39.37	ug/L	0.00
7) Chloroethane-d5	1.58	69	103670	40.56	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	221688	41.47	ug/L	0.00
21) 2-Butanone-d5	3.93	46	153986	95.02	ug/L	0.00
24) Chloroform-d	4.38	84	217745	43.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	157460	49.30	ug/L	0.00
32) Benzene-d6	5.08	84	450148	43.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	140006	45.93	ug/L	0.00
41) Toluene-d8	7.34	98	425806	43.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	74185	44.28	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	100907	75.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	178493	42.04	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	163536	42.22	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	120181	40.451	ug/L 100
3) Chloromethane	1.25	50	125821	44.158	ug/L 100
5) Vinyl chloride	1.32	62	121635	41.151	ug/L 100
6) Bromomethane	1.53	94	74723	38.876	ug/L 100
8) Chloroethane	1.60	64	85218	41.692	ug/L 100
9) Trichlorofluoromethane	1.77	101	170426	31.989	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	99403	40.047	ug/L 100
12) 1,1-Dichloroethene	2.14	96	90259	38.758	ug/L 100
13) Acetone	2.22	43	126650	114.421	ug/L 100
14) Carbon disulfide	2.31	76	270356	41.393	ug/L 100
15) Methyl Acetate	2.46	43	112834	48.768	ug/L 100
16) Methylene chloride	2.53	84	116319	45.701	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	102218	44.653	ug/L 100
18) Methyl tert-butyl Ether	2.79	73	356434	46.890	ug/L 100
19) 1,1-Dichloroethane	3.22	63	209660	49.270	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	116043	44.345	ug/L 100
22) 2-Butanone	4.02	43	162327	103.546	ug/L 100
23) Bromochloromethane	4.28	128	58316	44.152	ug/L 100
25) Chloroform	4.41	83	229083	49.523	ug/L 100
27) 1,2-Dichloroethane	5.16	62	180685	51.421	ug/L 100
29) Cyclohexane	4.71	56	184577	46.459	ug/L 100
30) 1,1,1-Trichloroethane	4.64	97	194225	45.651	ug/L 100
31) Carbon tetrachloride	4.86	117	165129	45.522	ug/L 100
33) Benzene	5.13	78	449738	45.914	ug/L 100
34) Trichloroethene	5.94	95	114825	44.471	ug/L 100
35) Methylcyclohexane	6.16	83	181231	43.030	ug/L 100
37) 1,2-Dichloropropane	6.20	63	122535	50.138	ug/L 100
38) Bromodichloromethane	6.53	83	160320	45.642	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	186026	46.003	ug/L 100
40) 4-Methyl-2-pentanone	7.25	43	318897	94.093	ug/L 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016096.D
 Acq On : 18 May 2020 12:47
 Operator : SY/MD
 Sample : VSTD05063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 19 03:16:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 19 03:10:13 2020
 Response via : Initial Calibration

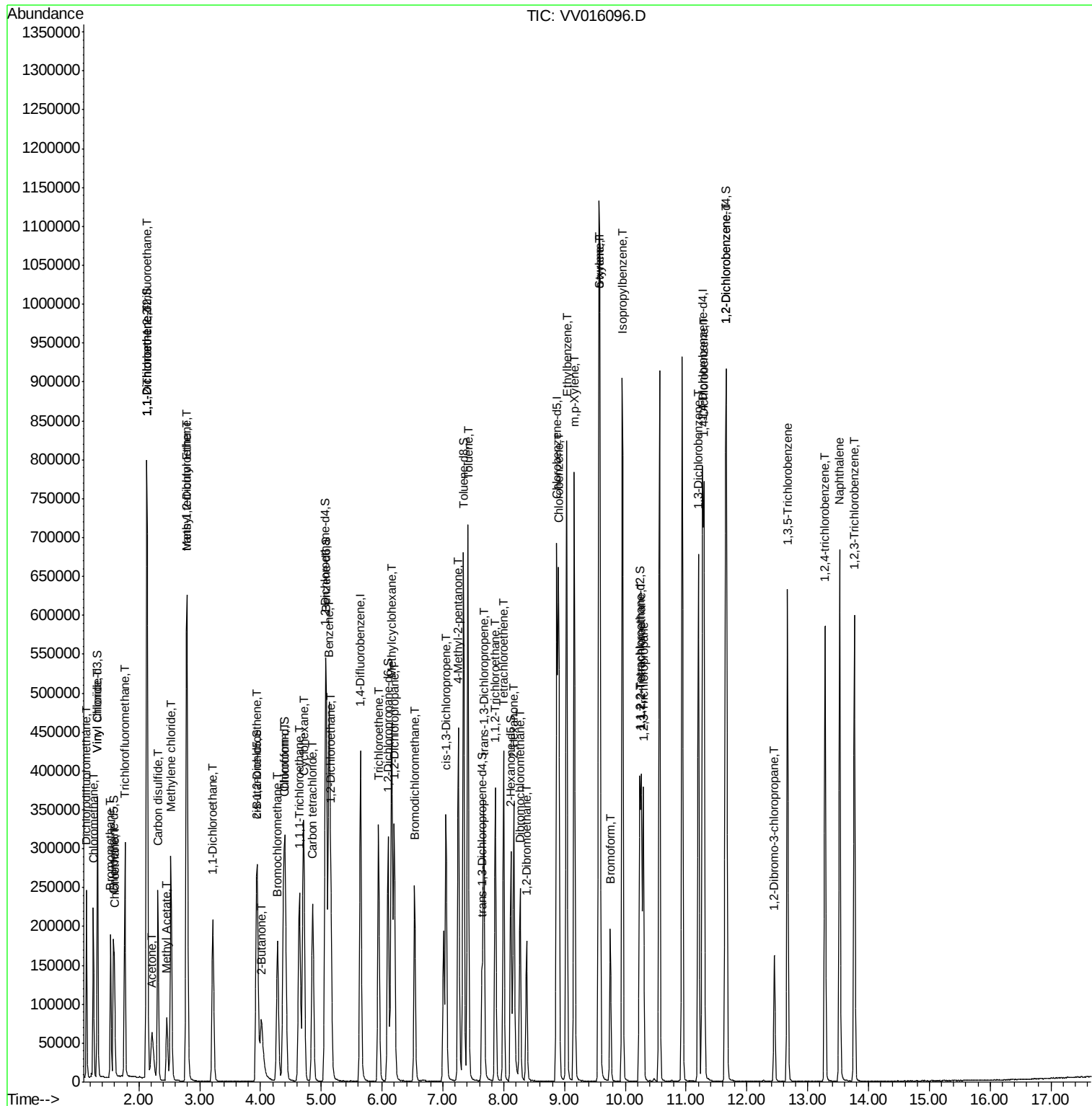
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	489769	45.211	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	190831	48.158	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	110852	44.153	ug/L	100
46) Tetrachloroethene	8.00	164	87173	46.702	ug/L	100
48) 2-Hexanone	8.16	43	246228	96.289	ug/L	100
49) Dibromochloromethane	8.27	129	121285	44.104	ug/L	100
50) 1,2-Dibromoethane	8.38	107	115471	43.429	ug/L	100
51) Chlorobenzene	8.90	112	315562	44.578	ug/L	100
52) Ethylbenzene	9.04	91	554565	45.612	ug/L	100
53) m,p-Xylene	9.16	106	209269	44.982	ug/L	100
54) o-xylene	9.57	106	204313	43.977	ug/L	100
55) Styrene	9.58	104	359884	46.124	ug/L	100
56) Isopropylbenzene	9.95	105	550940	45.483	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	174314	43.322	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	143543	44.568	ug/L	100
61) Bromoform	9.75	173	80613	43.163	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	252077	44.408	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	256915	44.426	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	249360	43.211	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	39054	35.404	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	175261	46.229	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	160992	46.506	ug/L	100
69) Naphthalene	13.52	128	495532	38.863	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	165488	46.370	ug/L	100

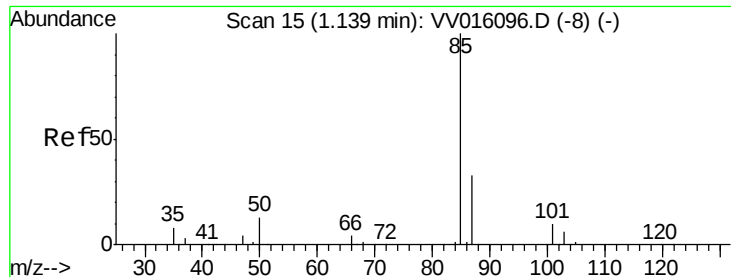
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
Data File : VV016096.D
Acq On : 18 May 2020 12:47
Operator : SY/MD
Sample : VSTD05063
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 19 03:16:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue May 19 03:10:13 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 40.451 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_V

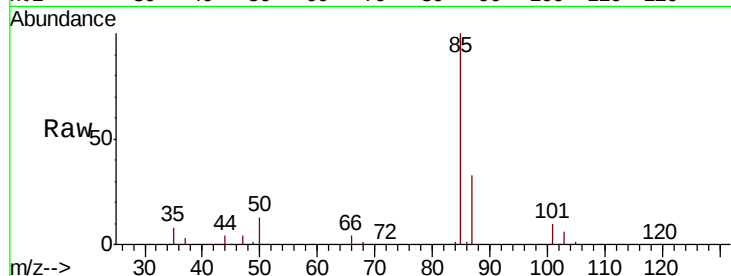
ClientSampled :

Tot Ion: 85 Resp: 120181

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV016096.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV016096.D (-8) (-)

1.14

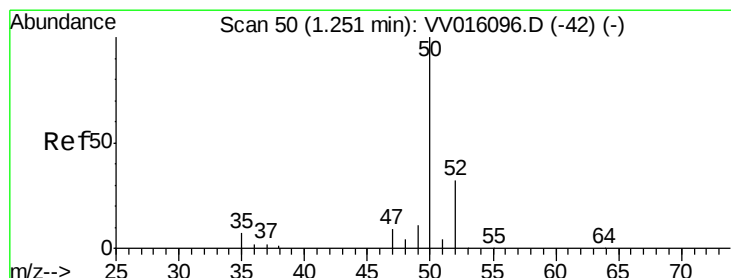
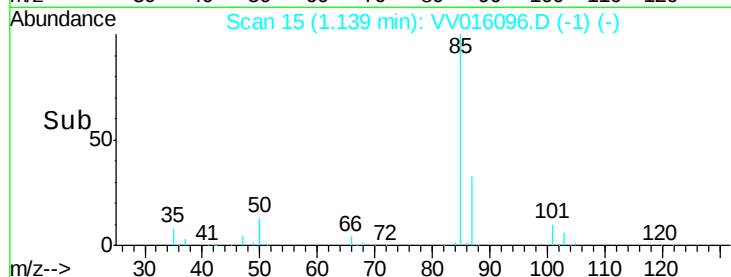
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.158 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016096.D

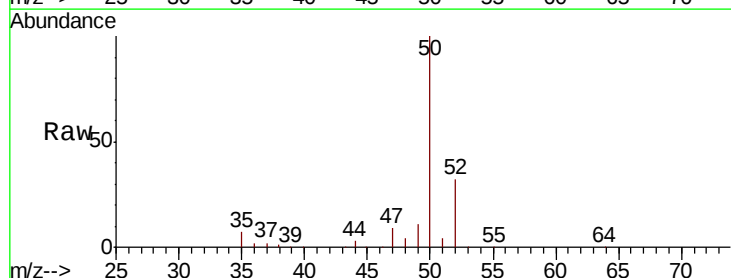
Acq: 18 May 2020 12:47

Tgt Ion: 50 Resp: 125821

Ion Ratio Lower Upper

50 100

52 31.7 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VV016096.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV016096.D (-42) (-)

1.25

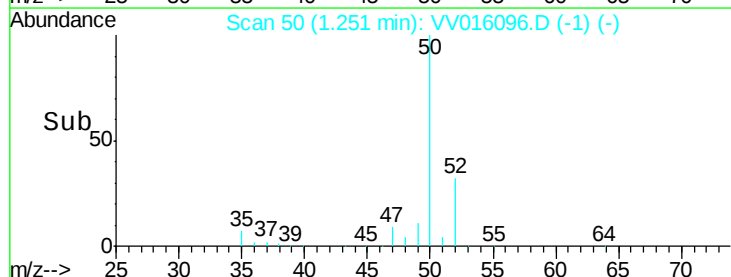
150000

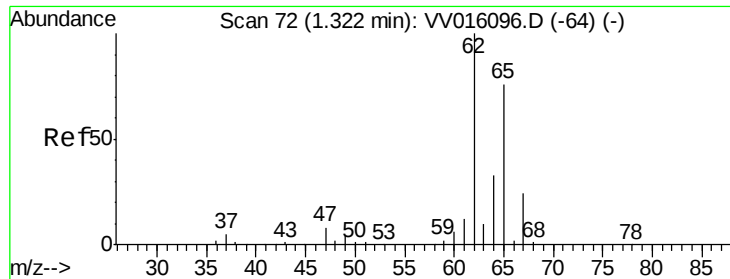
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 41.151 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

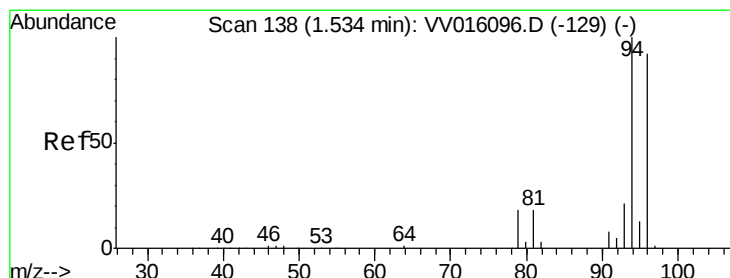
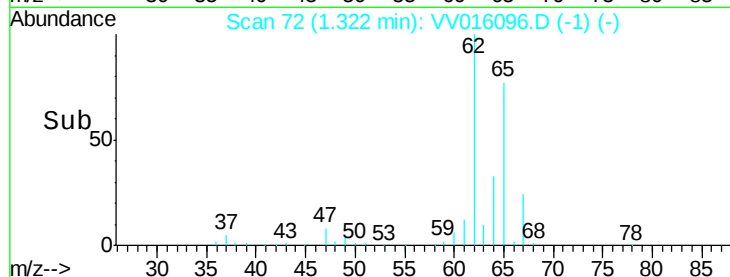
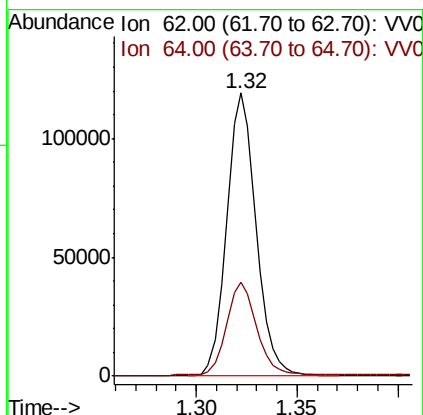
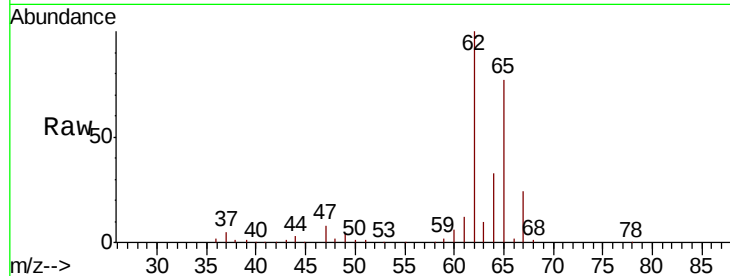
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 121635

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#6

Bromomethane

Concen: 38.876 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016096.D

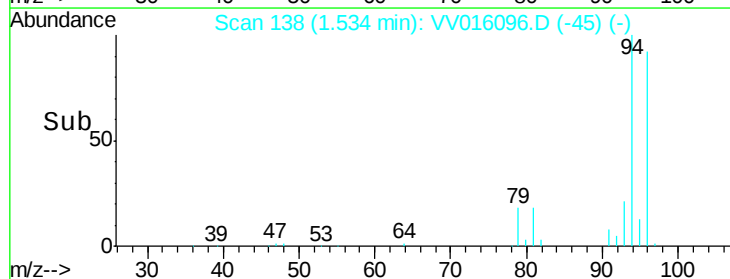
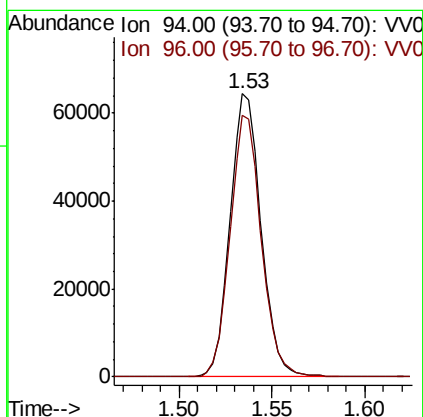
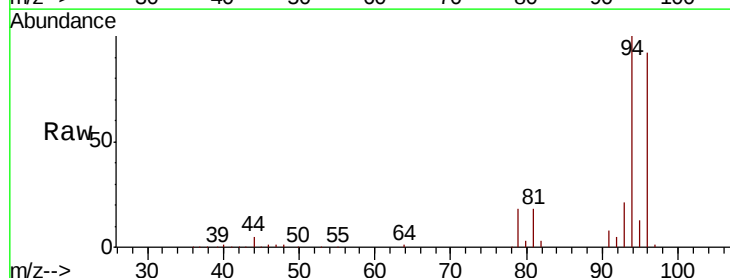
Acq: 18 May 2020 12:47

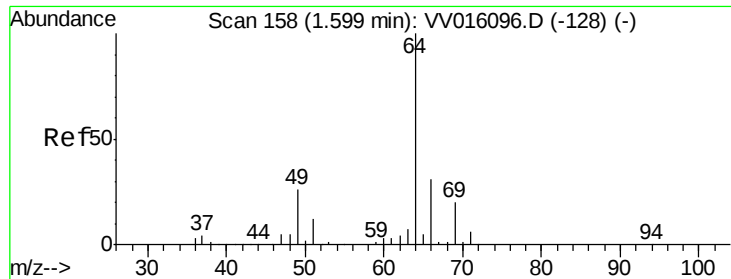
Tgt Ion: 94 Resp: 74723

Ion Ratio Lower Upper

94 100

96 92.2 64.5 119.9





#8

Chloroethane

Concen: 41.692 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

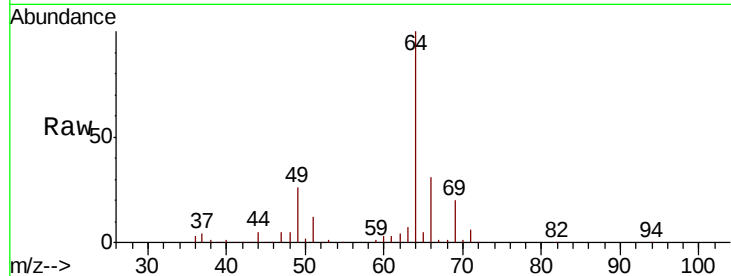
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 85218

Ion Ratio Lower Upper

64 100

66 31.4 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV016096.D (-128) (-)

Ion 66.00 (65.70 to 66.70): VV016096.D (-128) (-)

1.60

60000

40000

20000

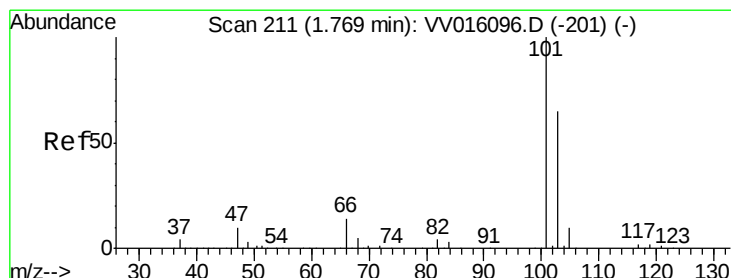
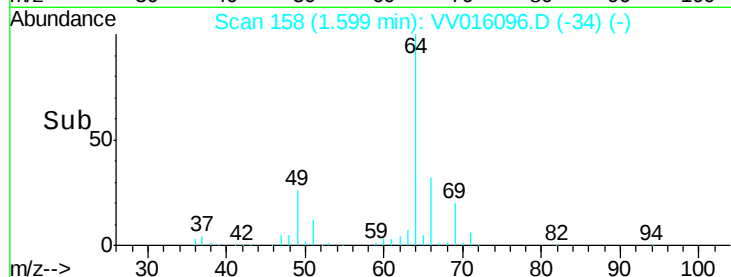
0

Time-->

1.50

1.60

1.70



#9

Trichlorofluoromethane

Concen: 31.989 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV016096.D

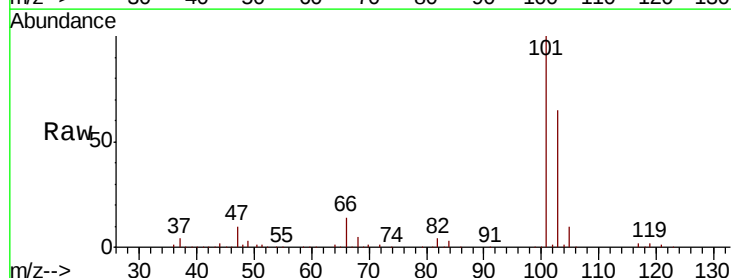
Acq: 18 May 2020 12:47

Tgt Ion: 101 Resp: 170426

Ion Ratio Lower Upper

101 100

103 65.2 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV016096.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV016096.D (-201) (-)

150000

100000

50000

0

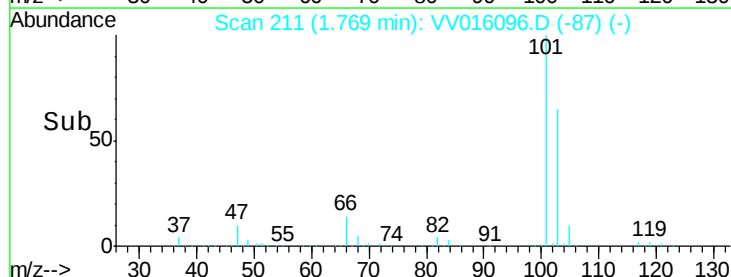
Time-->

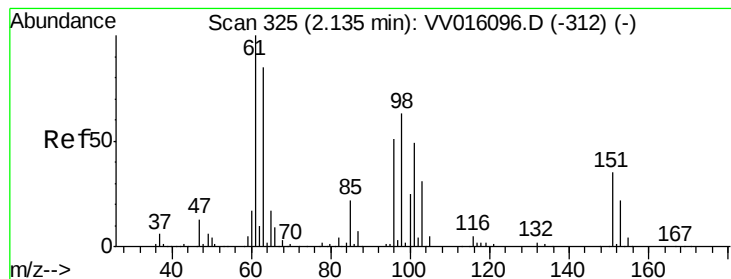
1.70

1.75

1.80

1.85





#10

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

Concen: 40.047 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_V

ClientSampleId :

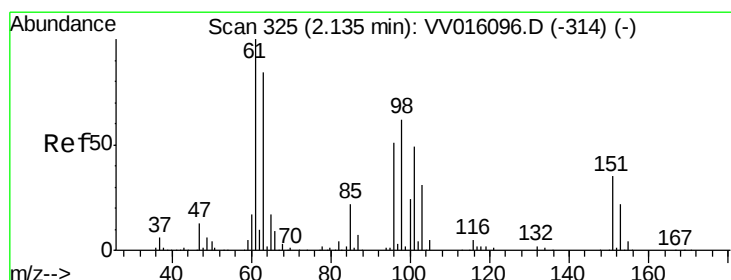
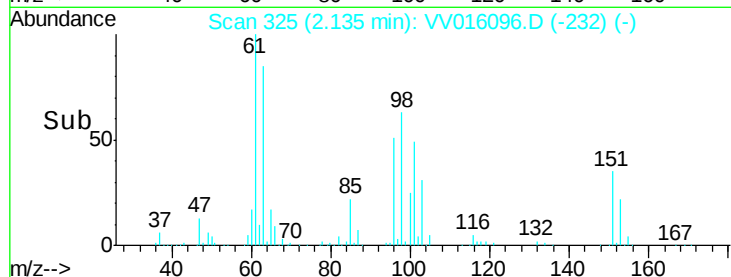
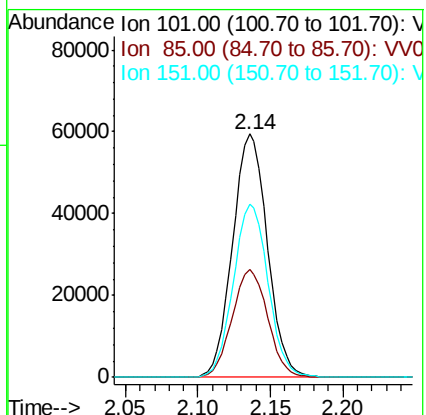
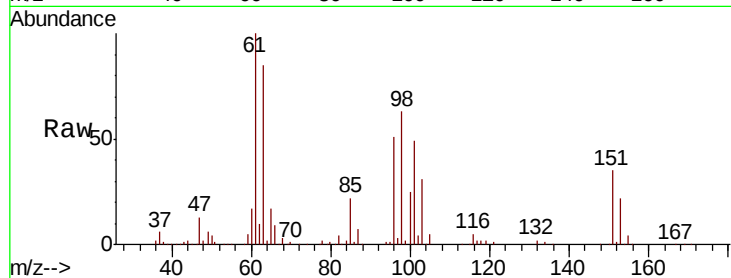
Tot Ion:101 Resp: 99403

Ion Ratio Lower Upper

101 100

85 45.3 36.2 54.4

151 71.1 56.9 85.3



#12

1,1-Dichloroethene

Concen: 38.758 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

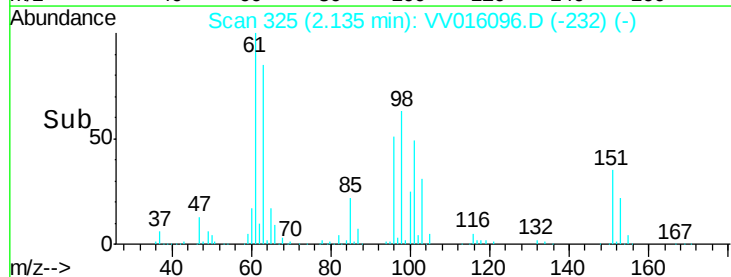
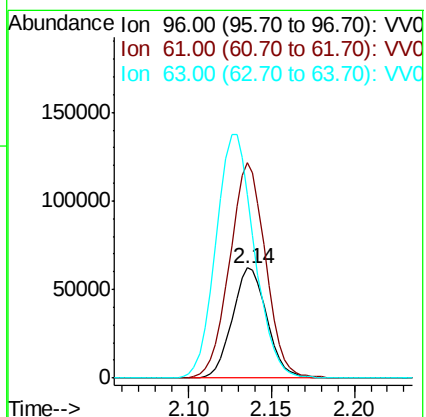
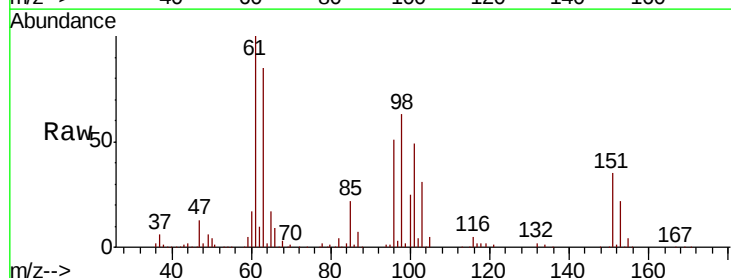
Tgt Ion: 96 Resp: 90259

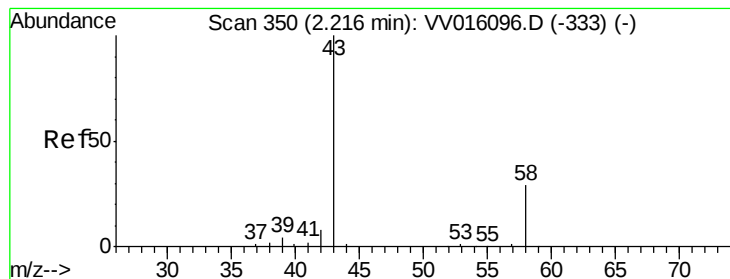
Ion Ratio Lower Upper

96 100

61 195.5 136.8 254.2

63 166.5 116.6 216.5





#13

Acetone

Concen: 114.421 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

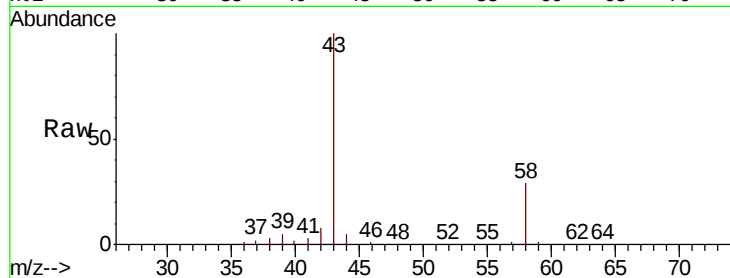
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 126650

Ion Ratio Lower Upper

43 100

58 28.9 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV016096.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV016096.D (-333) (-)

2.22

40000

30000

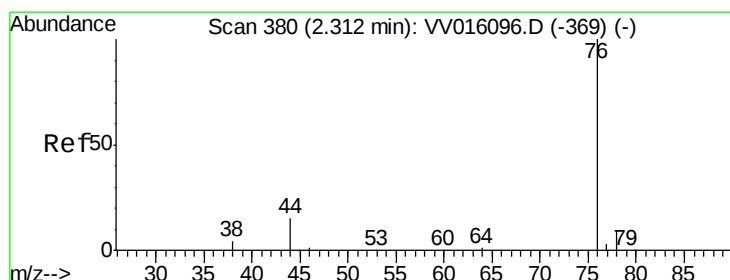
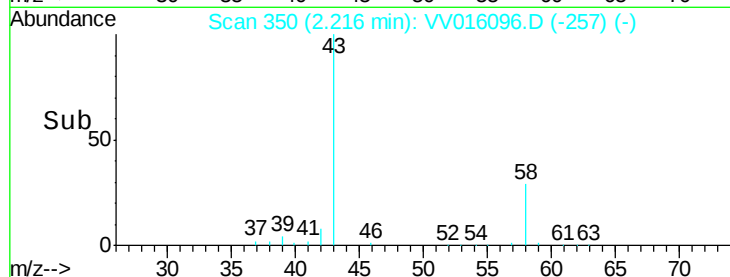
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 41.393 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016096.D

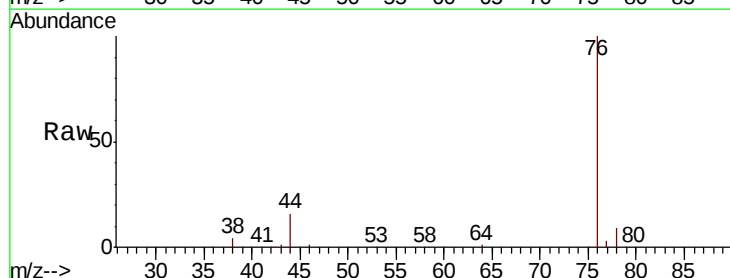
Acq: 18 May 2020 12:47

Tgt Ion: 76 Resp: 270356

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV016096.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV016096.D (-369) (-)

2.31

200000

150000

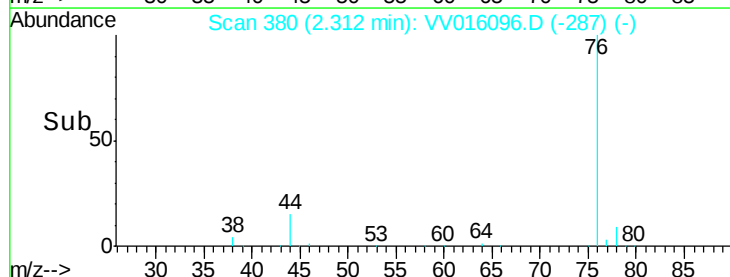
100000

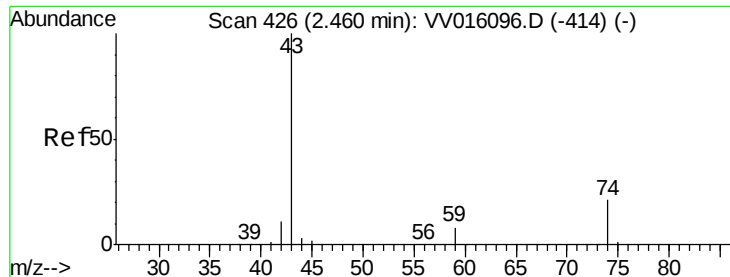
50000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 48.768 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_V

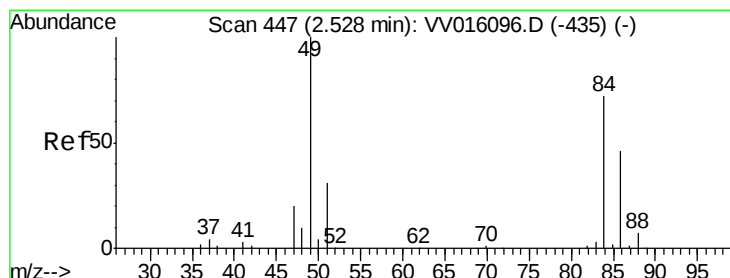
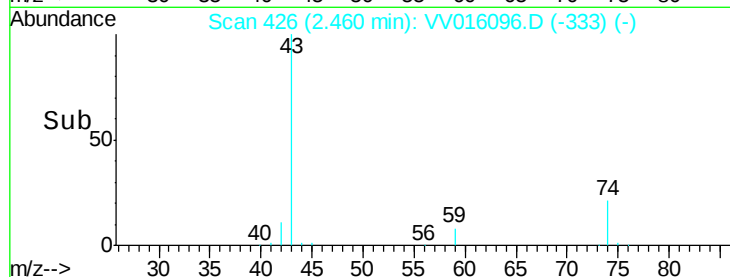
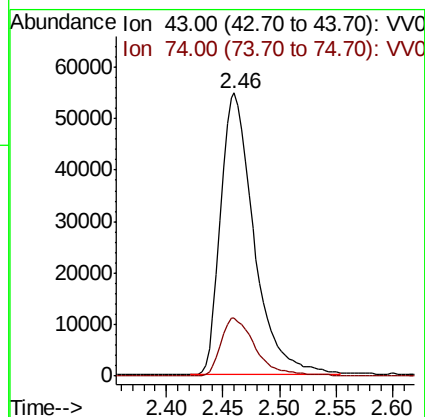
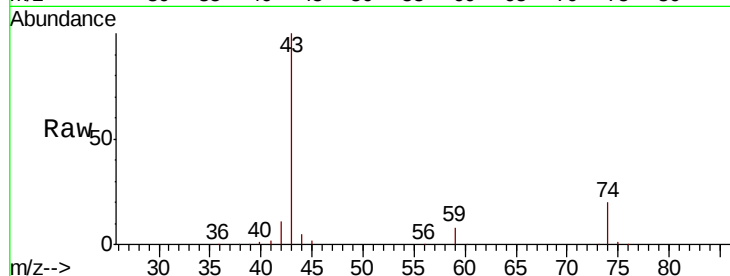
ClientSampleId :

Tot Ion: 43 Resp: 112834

Ion Ratio Lower Upper

43 100

74 21.6 17.3 25.9



#16

Methylene chloride

Concen: 45.701 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

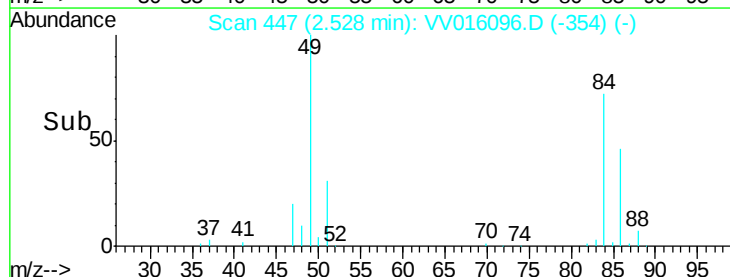
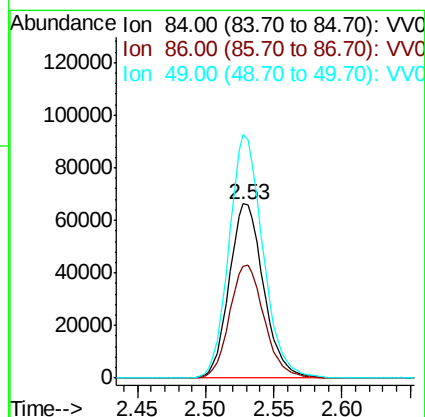
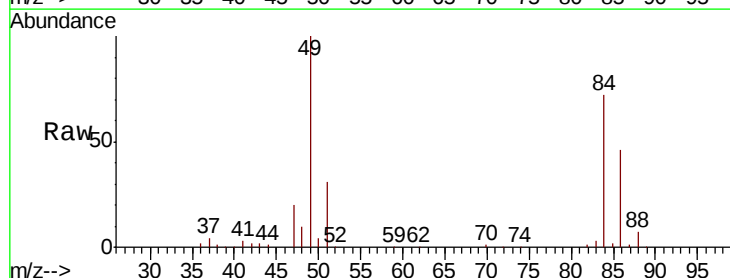
Tgt Ion: 84 Resp: 116319

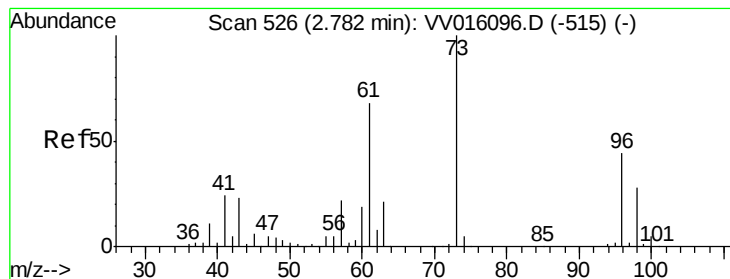
Ion Ratio Lower Upper

84 100

86 64.4 45.1 83.7

49 139.7 97.8 181.6





#17

trans-1,2-Dichloroethene

Concen: 44.653 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Instrument :
MSVOA_V
ClientSampled :

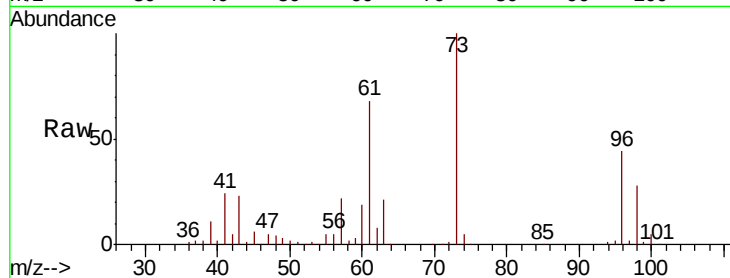
Tot Ion: 96 Resp: 102218

Ion Ratio Lower Upper

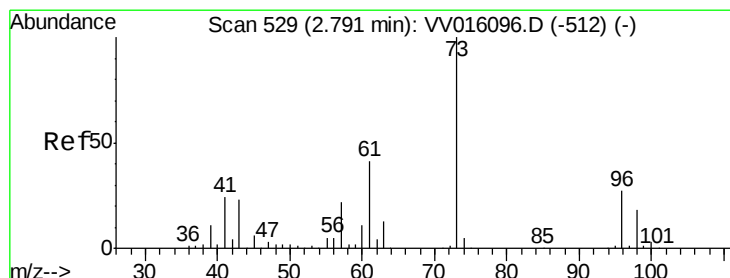
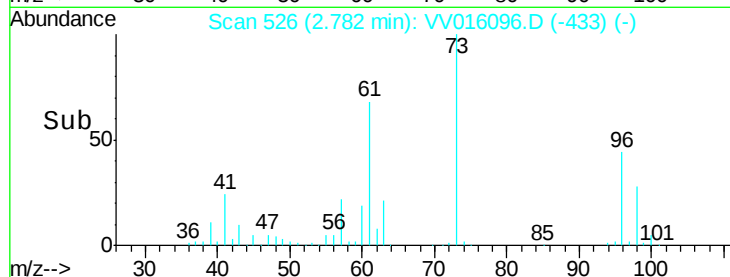
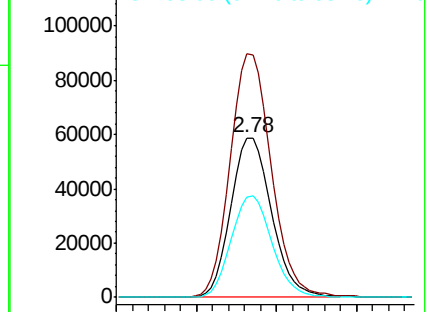
96 100

61 153.0 107.1 198.9

98 62.9 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: 46.890 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

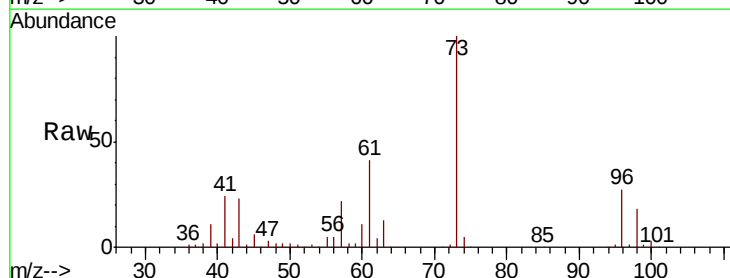
Tgt Ion: 73 Resp: 356434

Ion Ratio Lower Upper

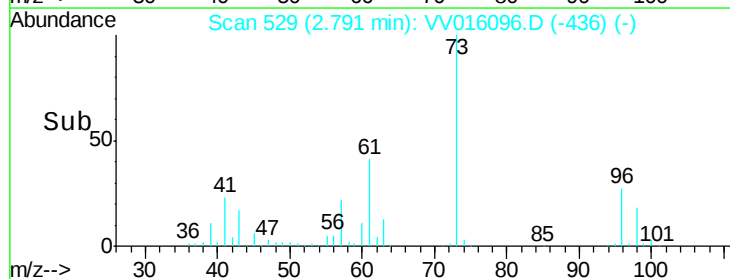
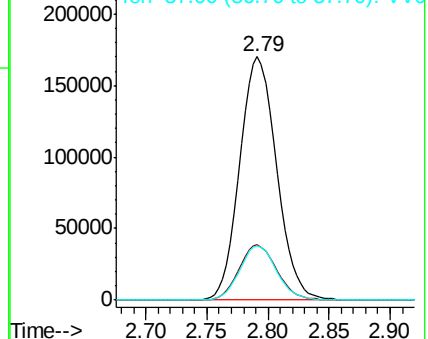
73 100

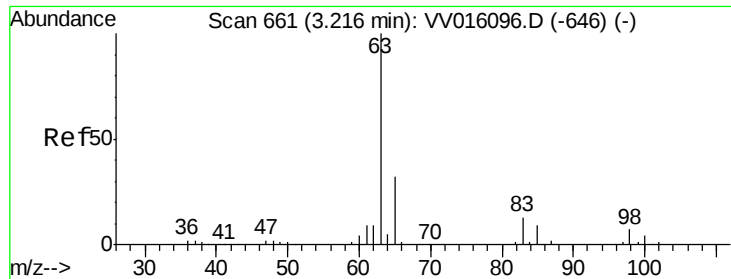
43 22.8 18.2 27.4

57 22.4 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

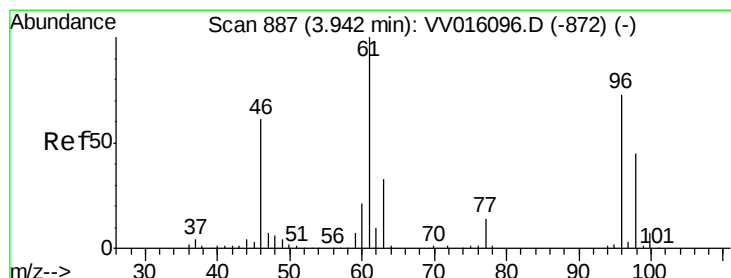
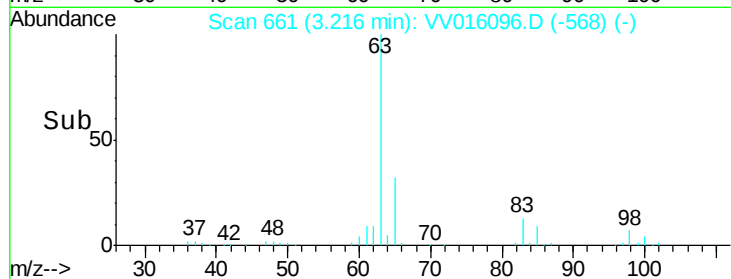
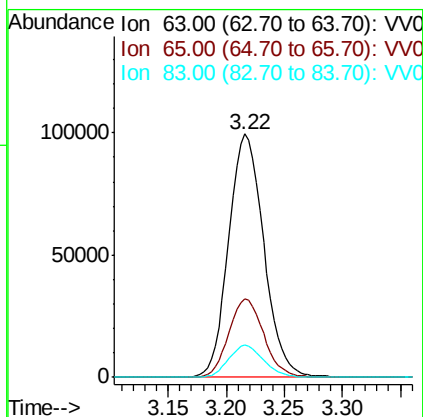
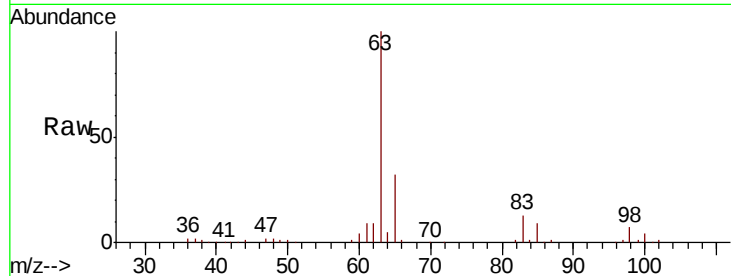




#19
 1,1-Dichloroethane
 Concen: 49.270 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV016096.D
 Acq: 18 May 2020 12:47

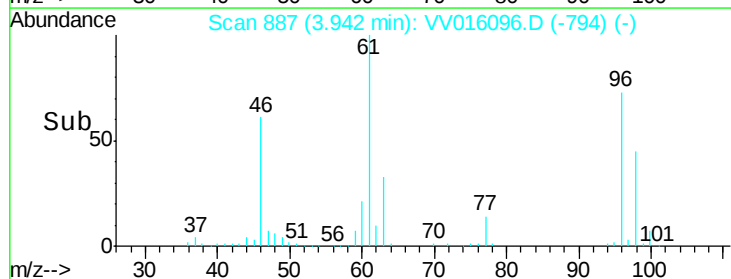
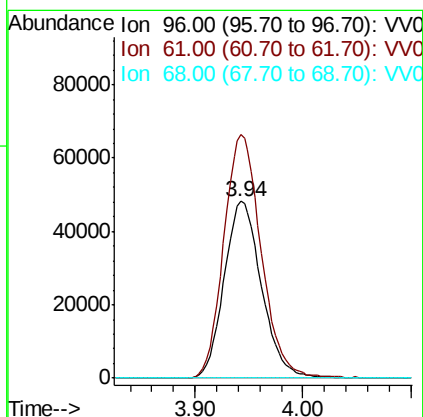
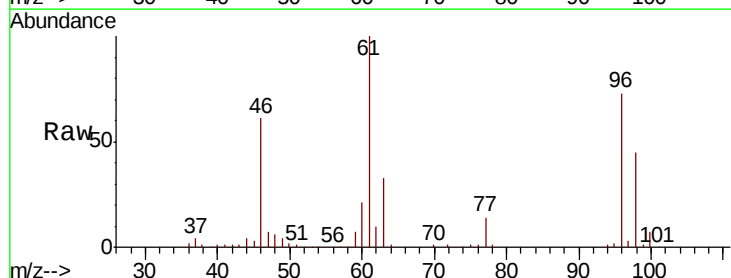
Instrument :
 MSVOA_V
 ClientSampled :

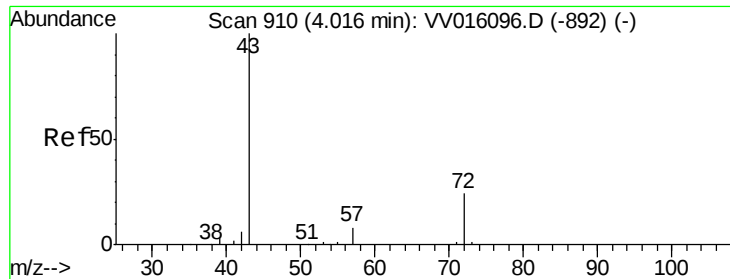
Tot Ion: 63 Resp: 209660
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.5 41.9
 83 13.2 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 44.345 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV016096.D
 Acq: 18 May 2020 12:47

Tgt Ion: 96 Resp: 116043
 Ion Ratio Lower Upper
 96 100
 61 137.9 96.5 179.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 103.546 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

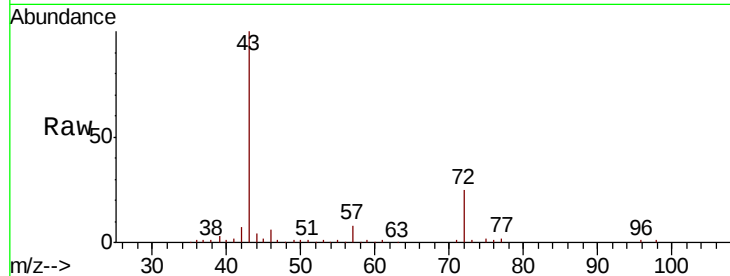
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 162327

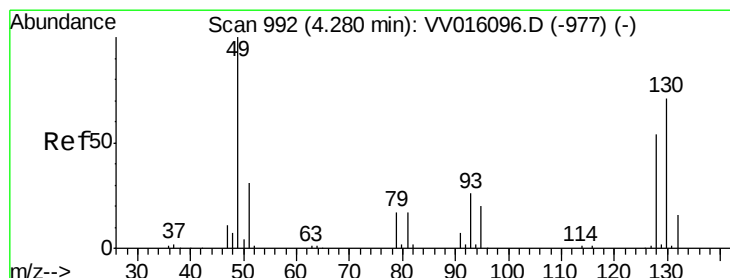
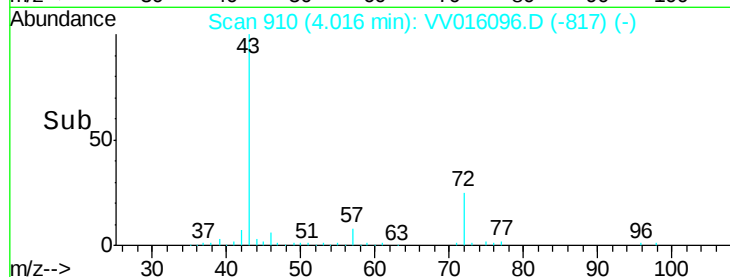
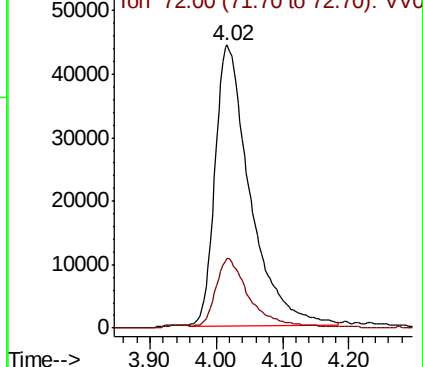
Ion Ratio Lower Upper

43 100

72 22.5 11.3 33.8



Abundance Ion 43.00 (42.70 to 43.70): VV016096.D (-892) (-)



#23

Bromochloromethane

Concen: 44.152 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Tgt Ion: 128 Resp: 58316

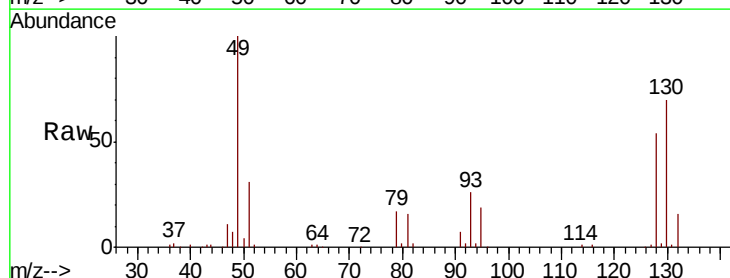
Ion Ratio Lower Upper

128 100

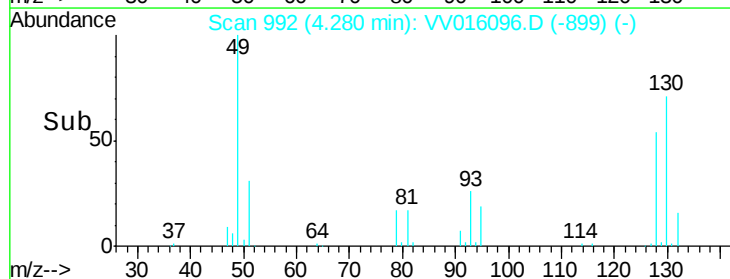
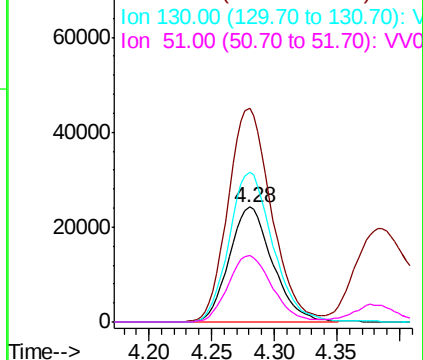
49 185.9 130.1 241.7

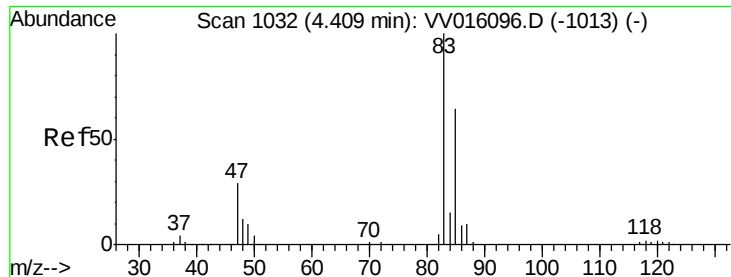
130 130.6 91.4 169.8

51 57.4 45.9 68.9



Abundance Ion 128.00 (127.70 to 128.70): VV016096.D (-977) (-)

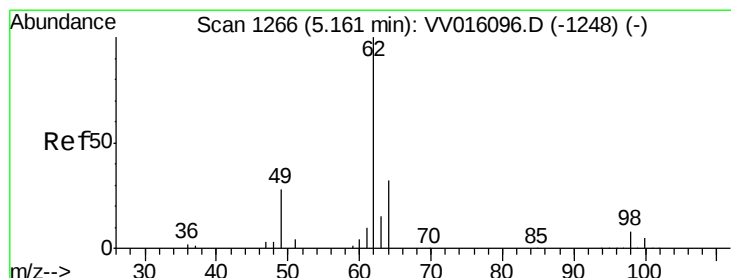
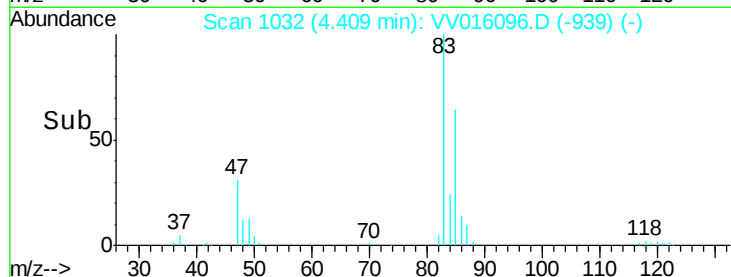
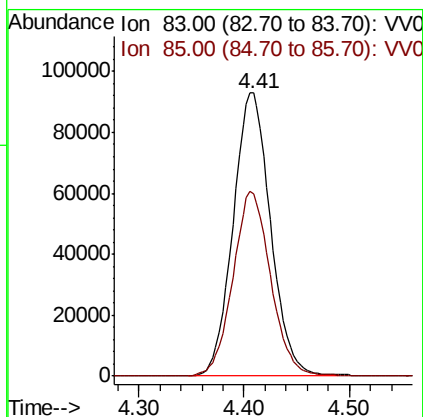
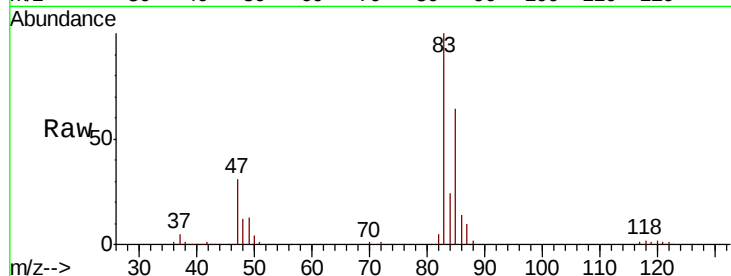




#25
Chloroform
Concen: 49.523 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VV016096.D
Acq: 18 May 2020 12:47

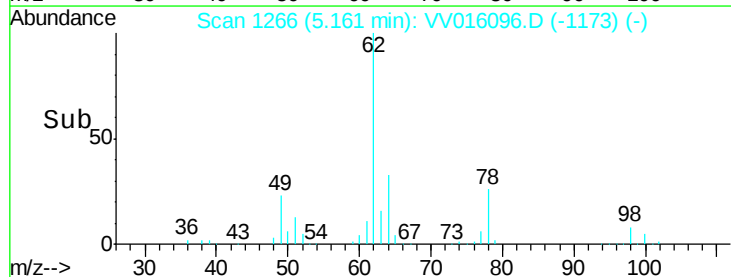
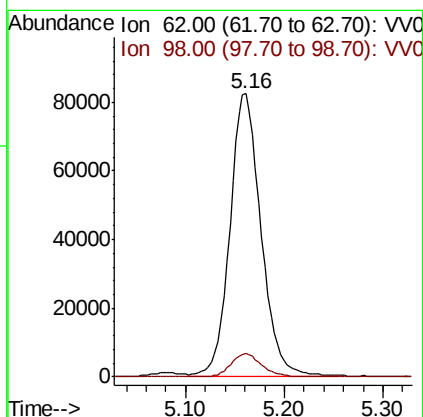
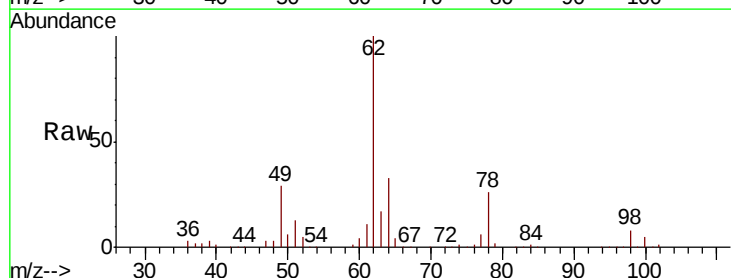
Instrument :
MSVOA_V
ClientSampled :

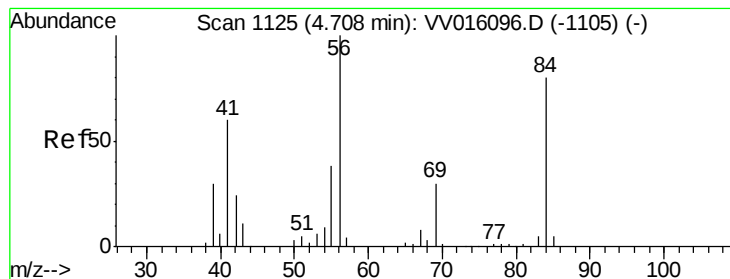
Tot Ion: 83 Resp: 229083
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 51.421 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016096.D
Acq: 18 May 2020 12:47

Tgt Ion: 62 Resp: 180685
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0





#29

Cyclohexane

Concen: 46.459 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Instrument :
MSVOA_V
ClientSampled :

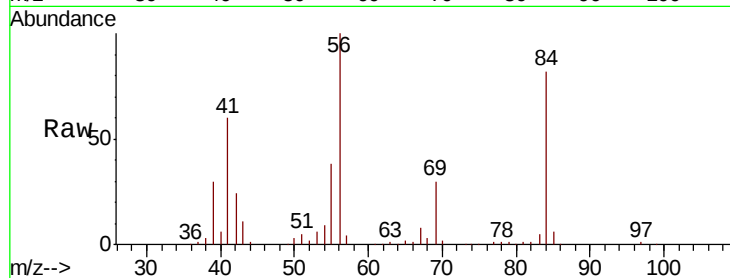
Tot Ion: 56 Resp: 184577

Ion Ratio Lower Upper

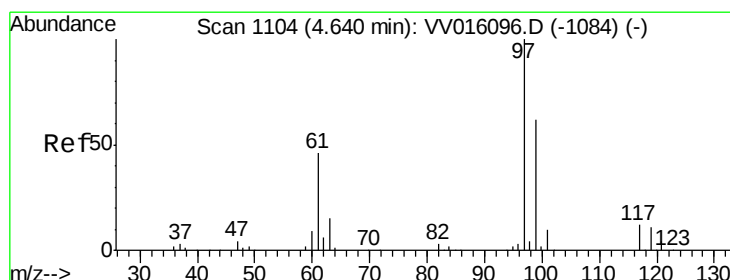
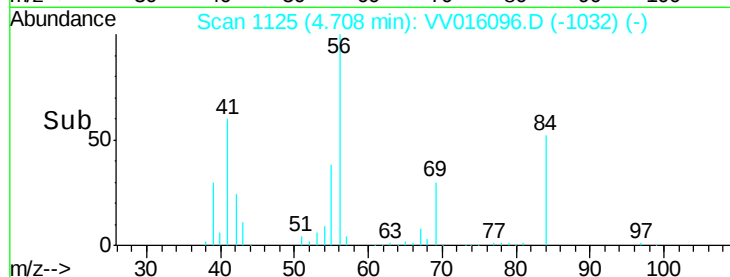
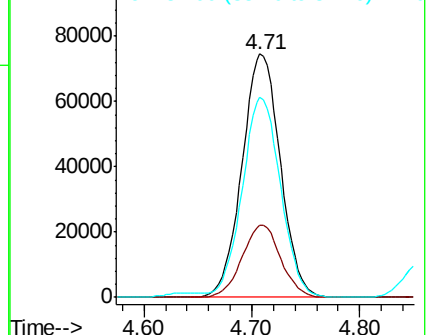
56 100

69 29.9 23.9 35.9

84 82.1 65.7 98.5



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



#30

1,1,1-Trichloroethane

Concen: 45.651 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

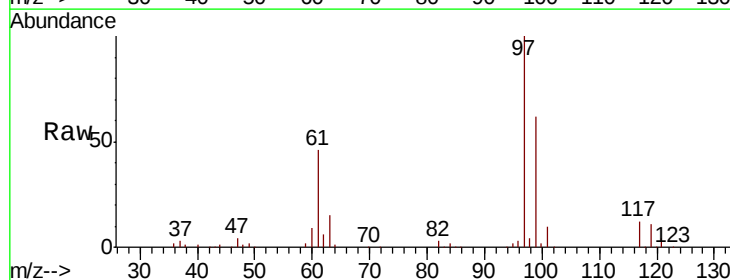
Tgt Ion: 97 Resp: 194225

Ion Ratio Lower Upper

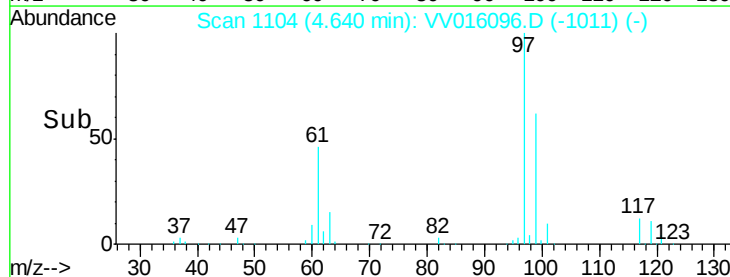
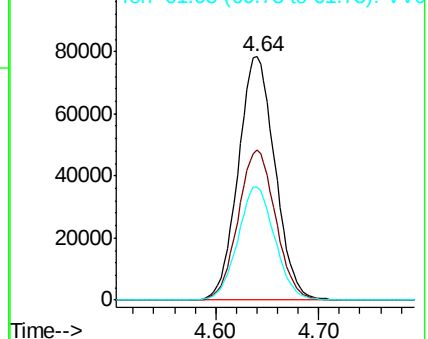
97 100

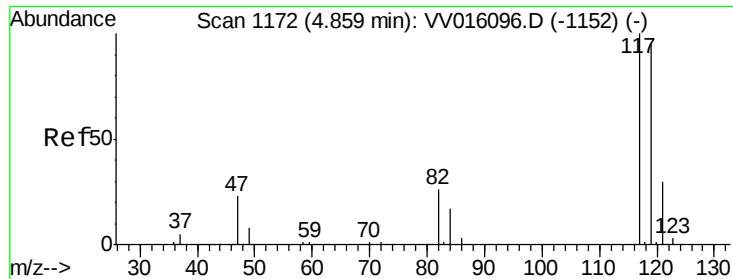
99 62.8 50.2 75.4

61 46.9 37.5 56.3



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





#31

Carbon tetrachloride

Concen: 45.522 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_V

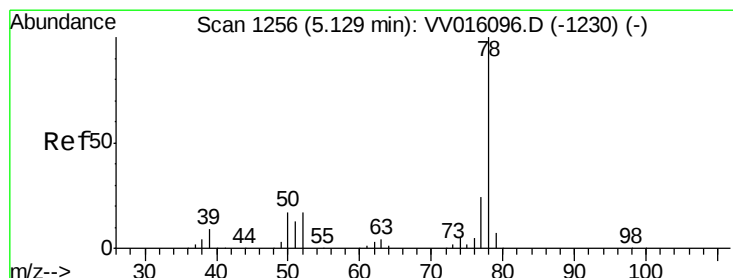
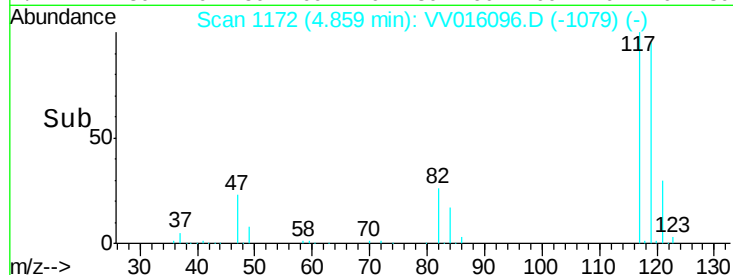
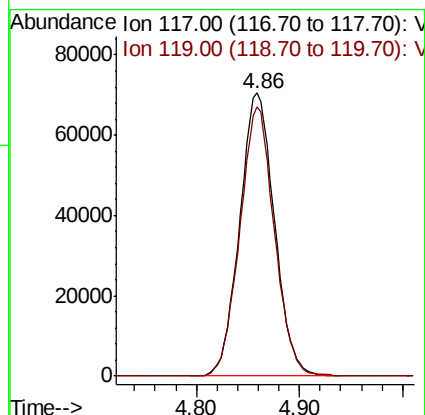
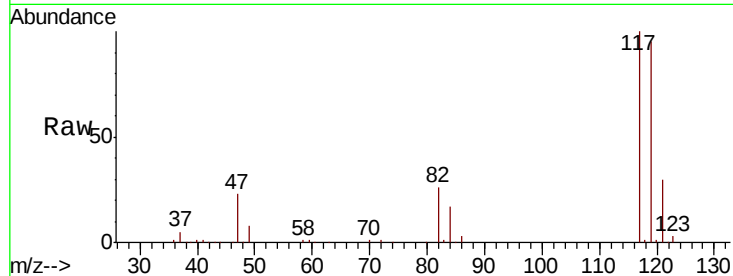
ClientSampleId :

Tot Ion:117 Resp: 165129

Ion Ratio Lower Upper

117 100

119 94.6 75.7 113.5



#33

Benzene

Concen: 45.914 ug/L

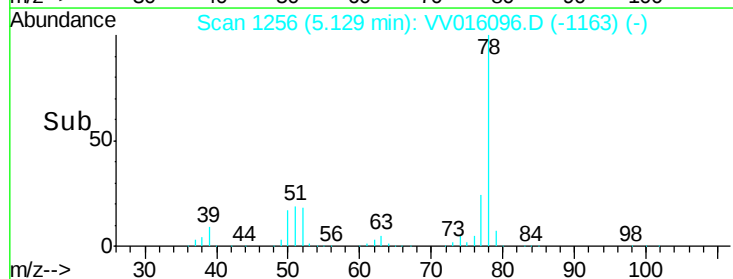
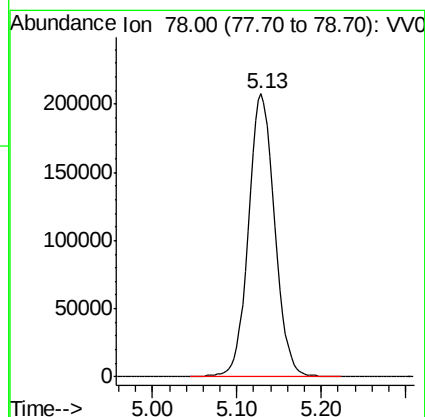
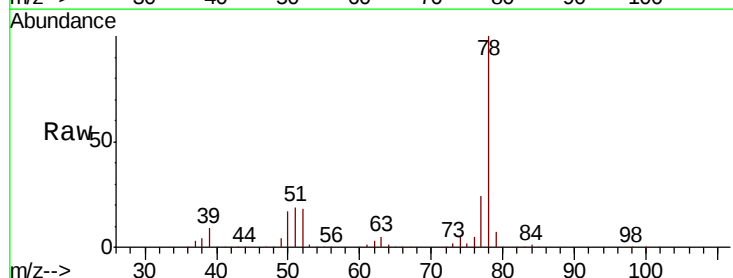
RT: 5.13 min Scan# 1256

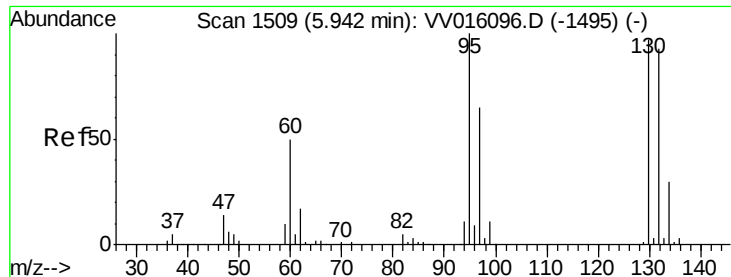
Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Tgt Ion: 78 Resp: 449738





#34

Trichloroethene

Concen: 44.471 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 114825

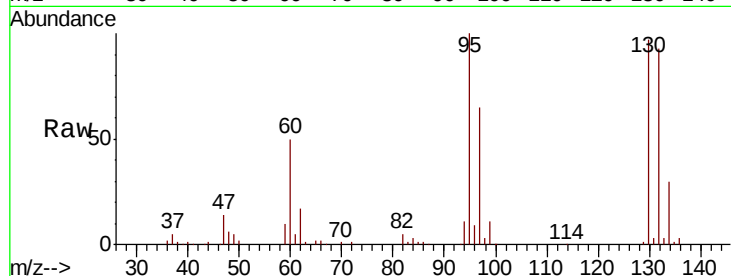
Ion Ratio Lower Upper

95 100

97 65.3 45.7 84.9

132 93.4 65.4 121.4

130 97.1 68.0 126.2

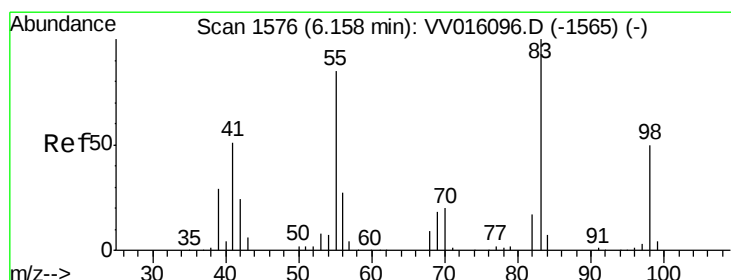
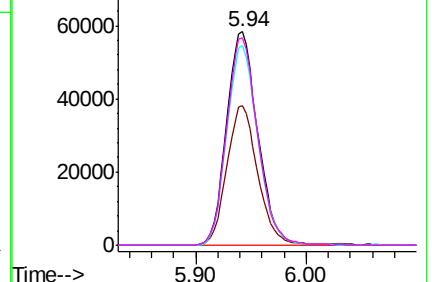
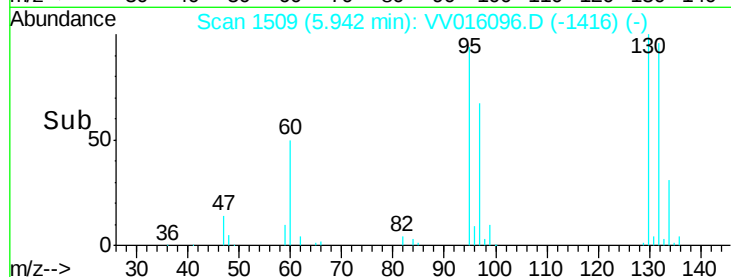


Abundance Ion 95.00 (94.70 to 95.70): VV016096.D (-1495) (-)

Ion 97.00 (96.70 to 97.70): VV016096.D (-1495) (-)

Ion 132.00 (131.70 to 132.70): VV016096.D (-1495) (-)

Ion 130.00 (129.70 to 130.70): VV016096.D (-1495) (-)



#35

Methylcyclohexane

Concen: 43.030 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

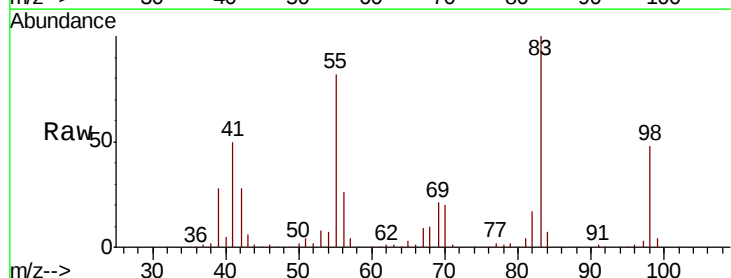
Tgt Ion: 83 Resp: 181231

Ion Ratio Lower Upper

83 100

55 82.7 66.2 99.2

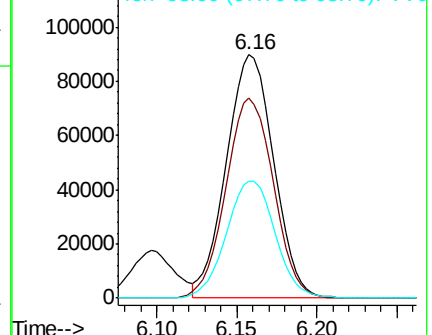
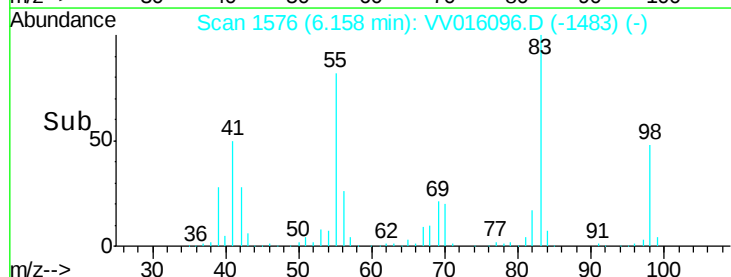
98 49.9 39.9 59.9

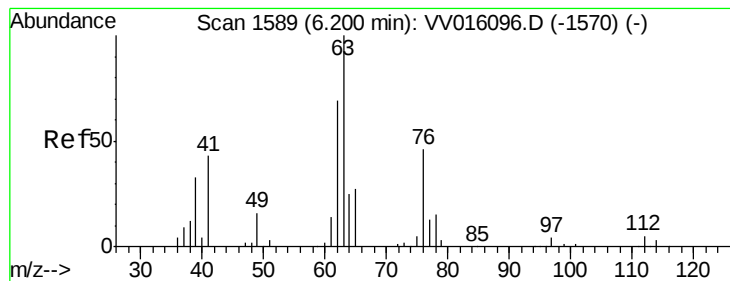


Abundance Ion 83.00 (82.70 to 83.70): VV016096.D (-1565) (-)

Ion 55.00 (54.70 to 55.70): VV016096.D (-1565) (-)

Ion 98.00 (97.70 to 98.70): VV016096.D (-1565) (-)





#37

1,2-Dichloropropane

Concen: 50.138 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

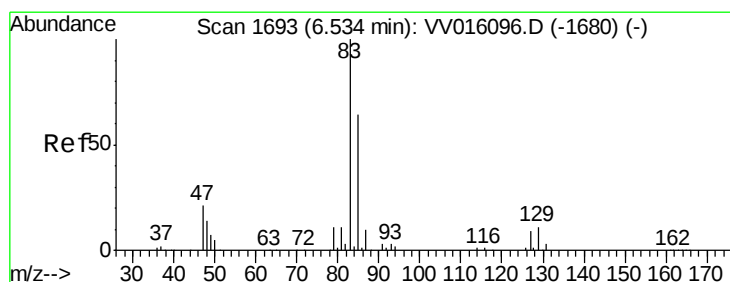
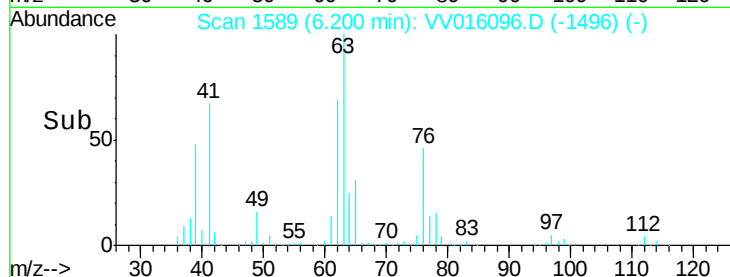
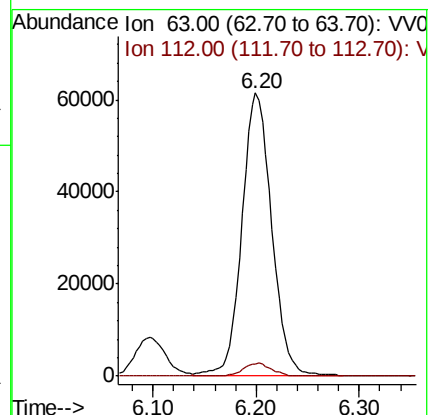
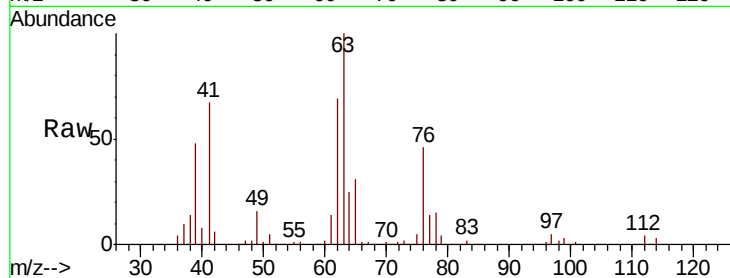
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 122535

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 45.642 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

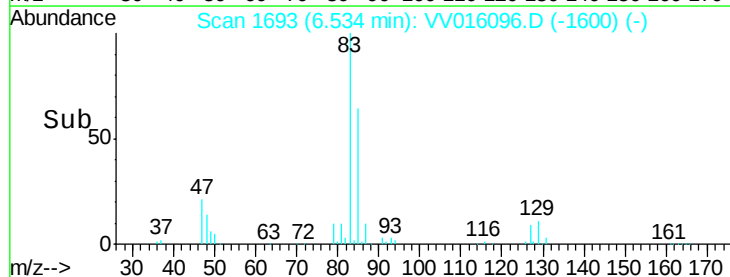
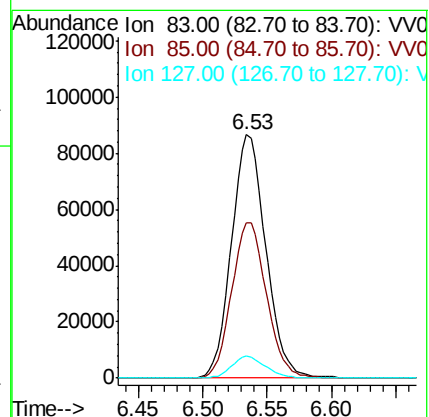
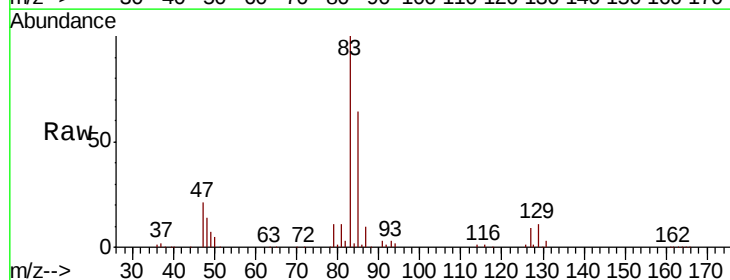
Tgt Ion: 83 Resp: 160320

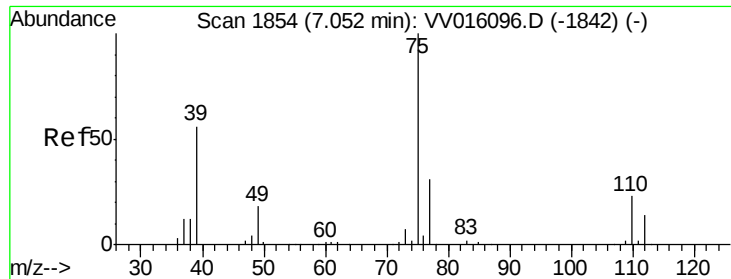
Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9

127 8.9 7.1 10.7

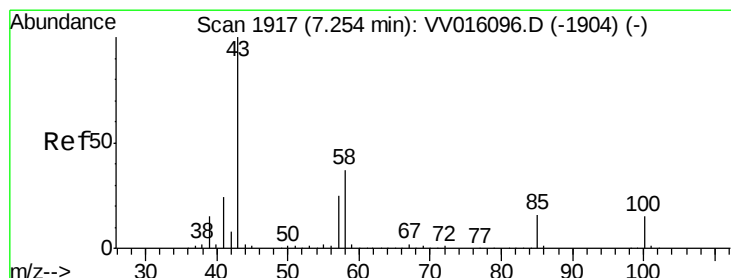
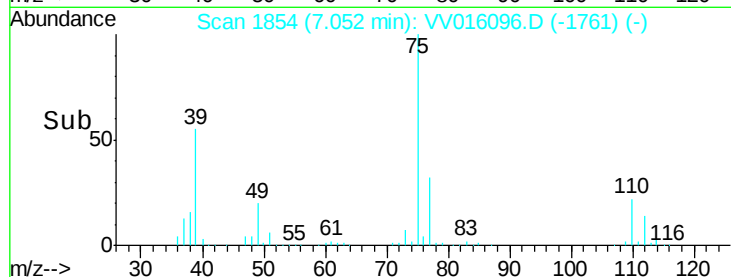
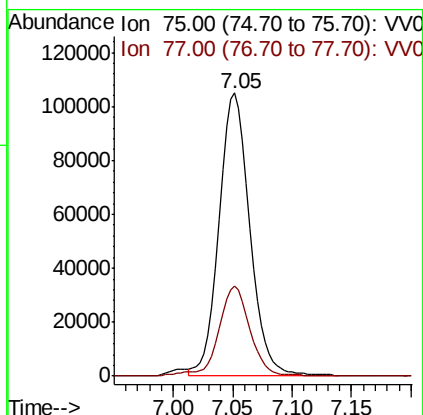
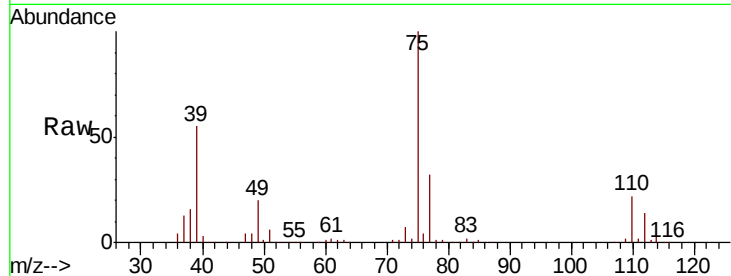




#39
 cis-1,3-Dichloropropene
 Concen: 46.003 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016096.D
 Acq: 18 May 2020 12:47

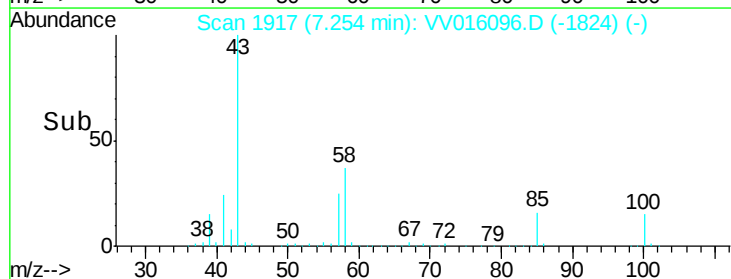
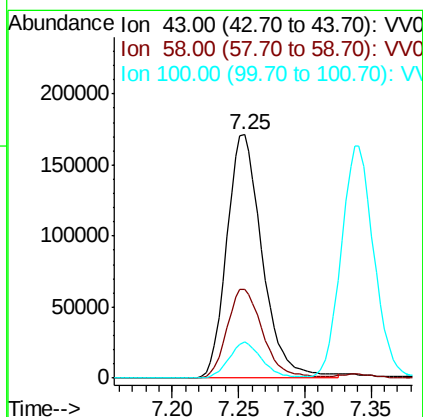
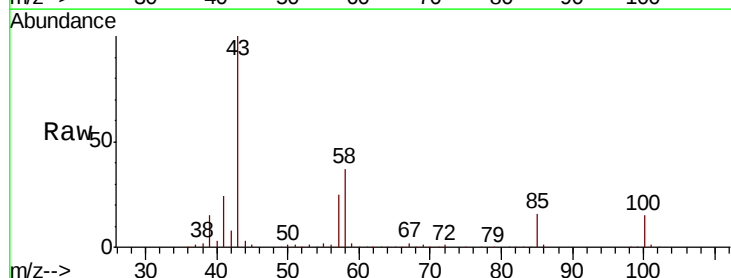
Instrument :
 MSVOA_V
 ClientSampleId :

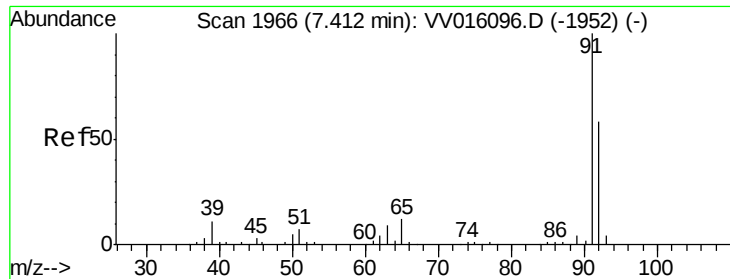
Tot Ion: 75 Resp: 186026
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 94.093 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV016096.D
 Acq: 18 May 2020 12:47

Tgt Ion: 43 Resp: 318897
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.4 44.2
 100 13.8 11.0 16.6





#42

Toluene

Concen: 45.211 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

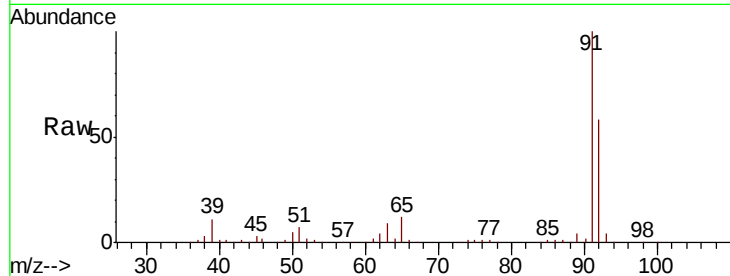
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 489769

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV016096.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV016096.D (-1952) (-)

7.41

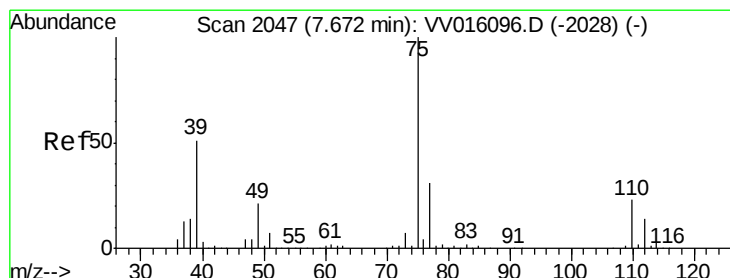
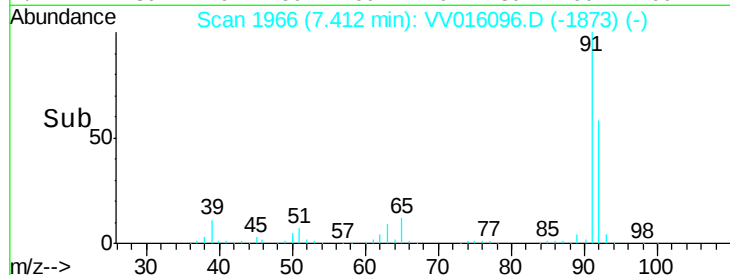
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.158 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016096.D

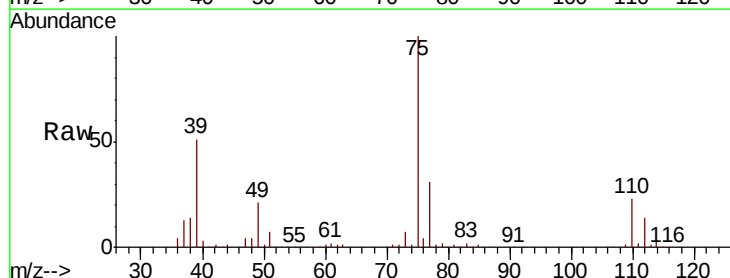
Acq: 18 May 2020 12:47

Tgt Ion: 75 Resp: 190831

Ion Ratio Lower Upper

75 100

77 30.5 21.3 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV016096.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV016096.D (-2028) (-)

7.67

120000

100000

80000

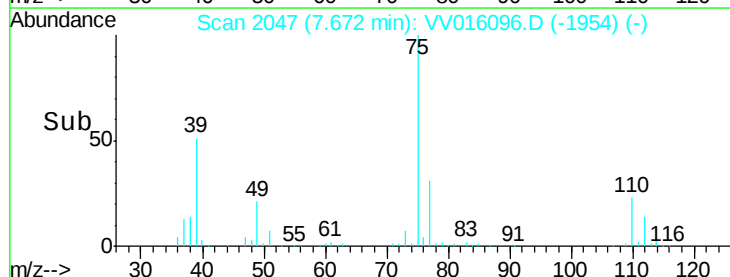
60000

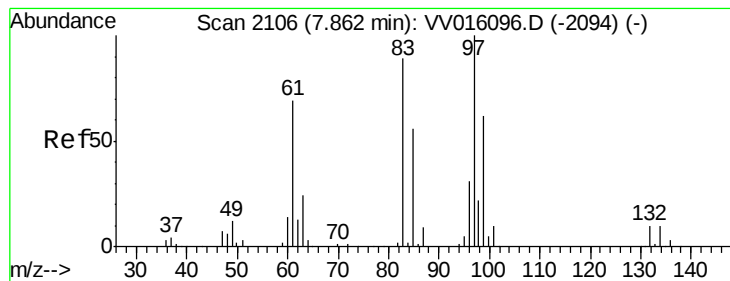
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 44.153 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 110852

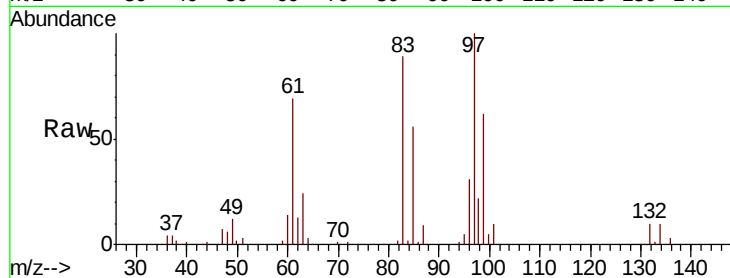
Ion Ratio Lower Upper

97 100

99 62.3 43.6 81.0

83 88.6 62.0 115.2

85 56.2 39.3 73.1

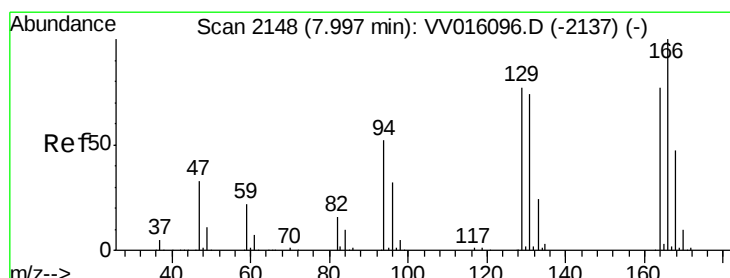
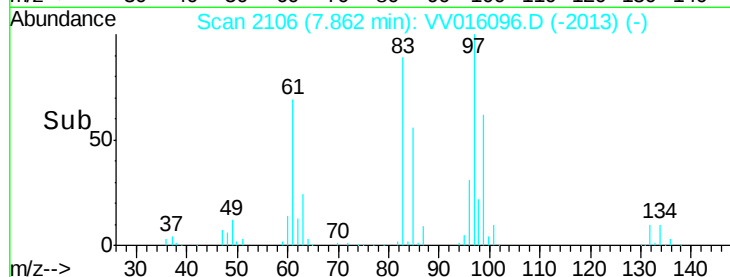
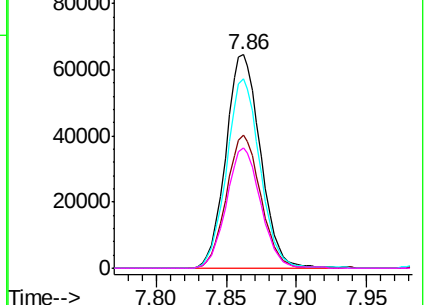


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 46.702 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Tgt Ion: 164 Resp: 87173

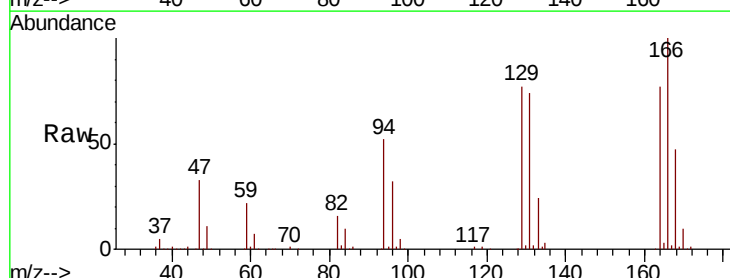
Ion Ratio Lower Upper

164 100

129 100.5 70.3 130.7

131 95.8 67.1 124.5

166 129.9 90.9 168.9

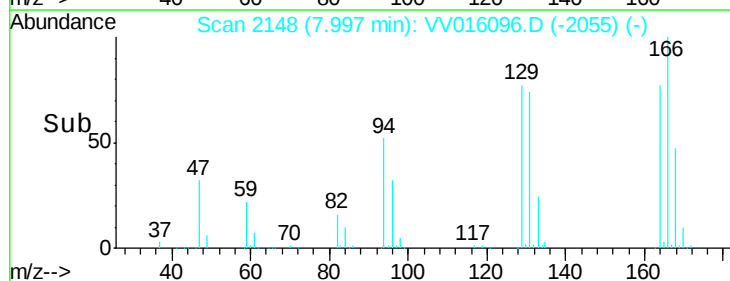
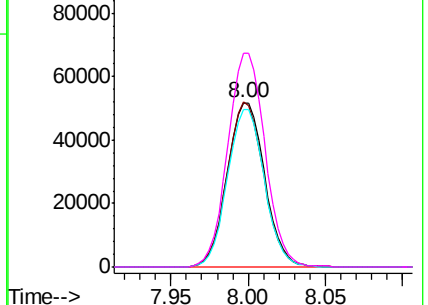


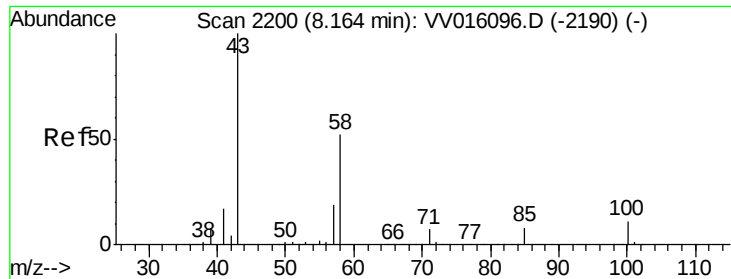
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

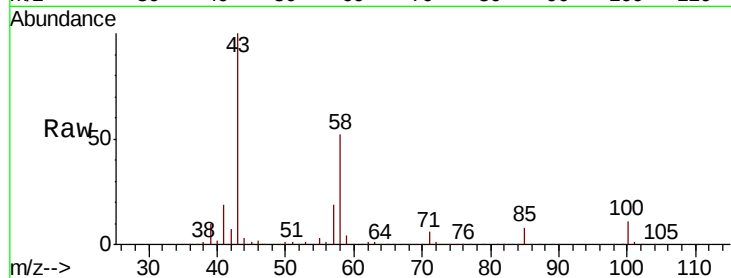




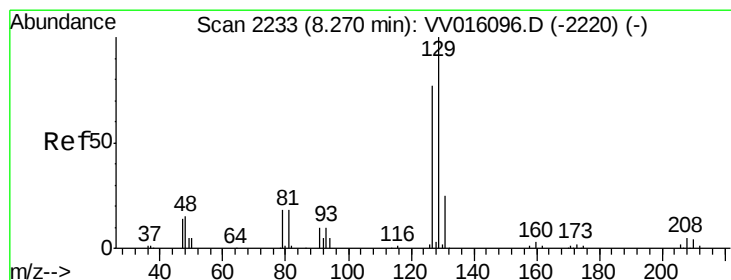
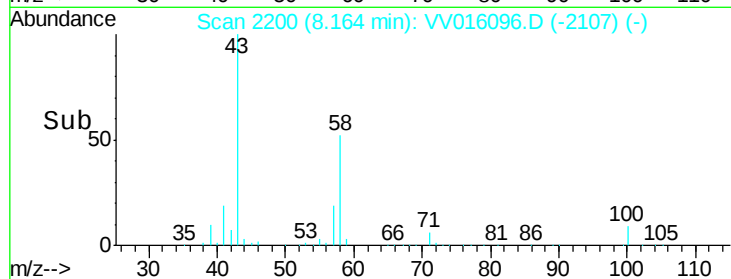
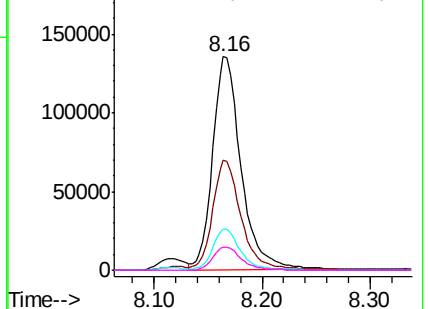
#48
2-Hexanone
Concen: 96.289 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV016096.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 246228
Ion Ratio Lower Upper
43 100
58 51.1 40.9 61.3
57 18.7 15.0 22.4
100 11.3 9.0 13.6

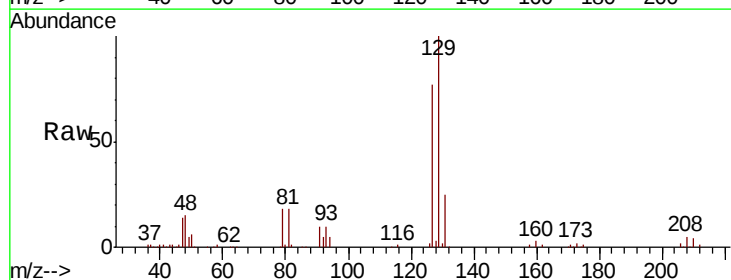


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

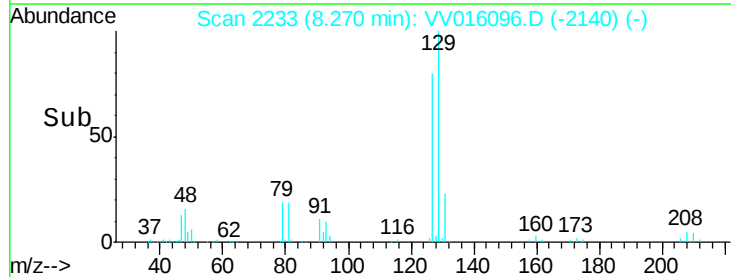
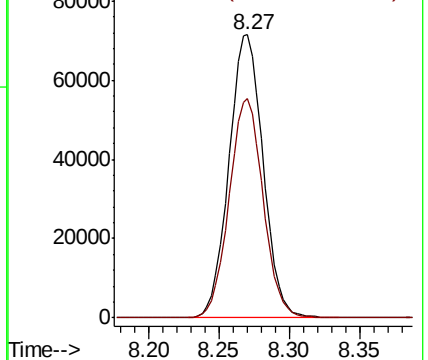


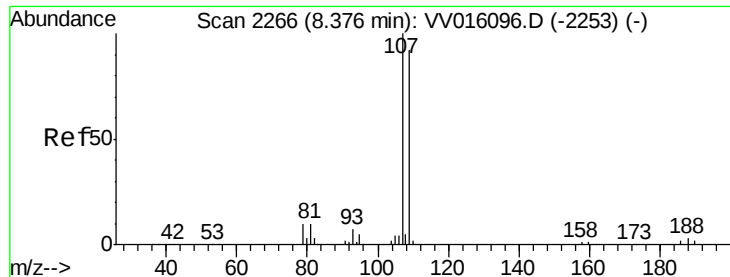
#49
Dibromochloromethane
Concen: 44.104 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016096.D
Acq: 18 May 2020 12:47

Tgt Ion: 129 Resp: 121285
Ion Ratio Lower Upper
129 100
127 77.4 54.2 100.6



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

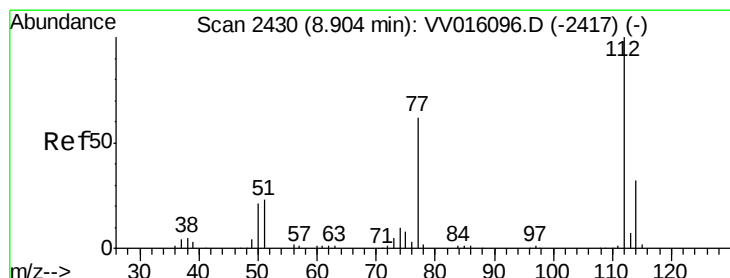
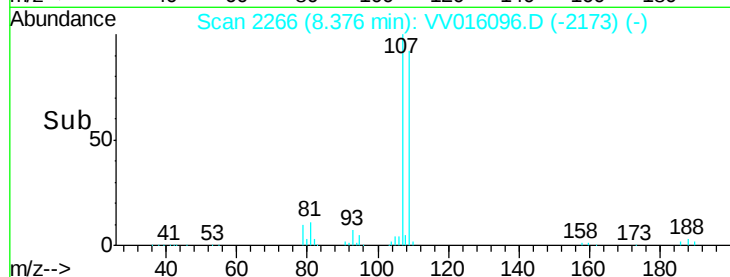
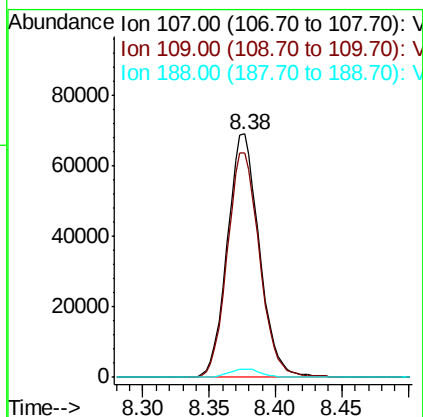
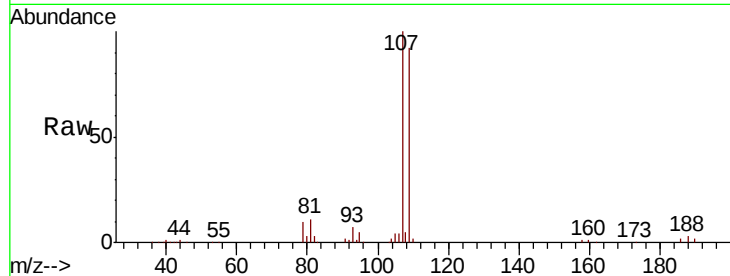




#50
1,2-Dibromoethane
Concen: 43.429 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV016096.D
Acq: 18 May 2020 12:47

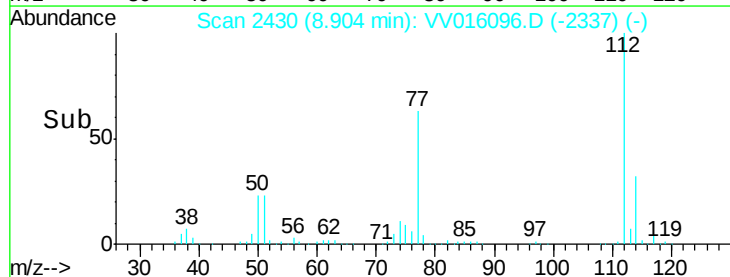
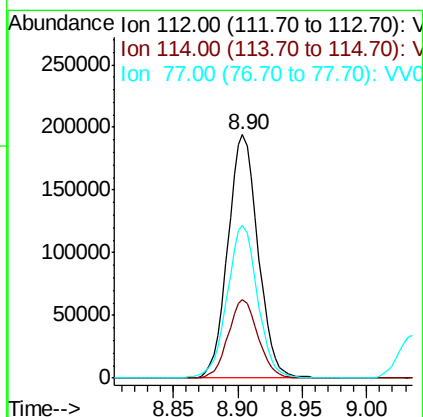
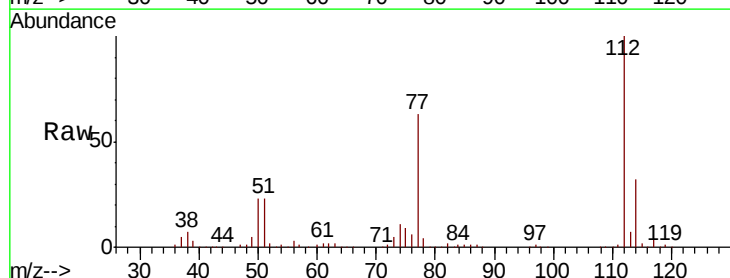
Instrument :
MSVOA_V
ClientSampleId :

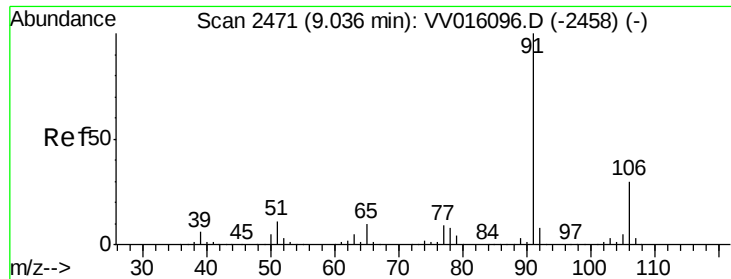
Tot Ion:107 Resp: 115471
Ion Ratio Lower Upper
107 100
109 92.3 64.6 120.0
188 3.4 2.7 4.1



#51
Chlorobenzene
Concen: 44.578 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016096.D
Acq: 18 May 2020 12:47

Tgt Ion:112 Resp: 315562
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 63.0 50.4 75.6





#52

Ethylbenzene

Concen: 45.612 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

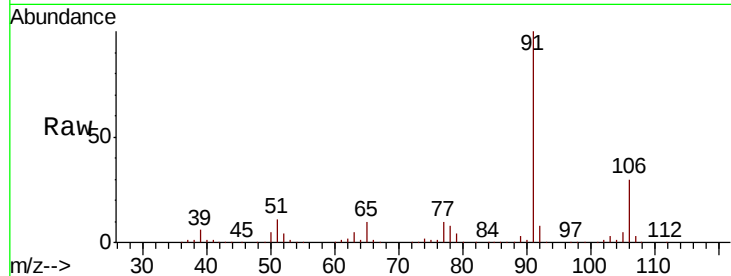
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 554565

Ion Ratio Lower Upper

91 100

106 30.3 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VV016096.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV016096.D (-2458) (-)

9.04

300000

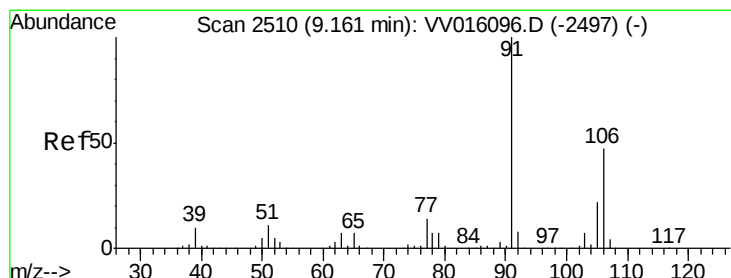
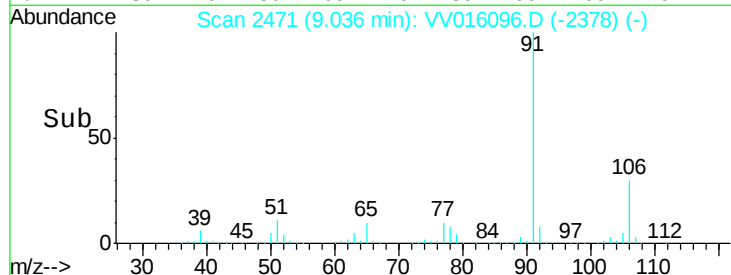
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 44.982 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016096.D

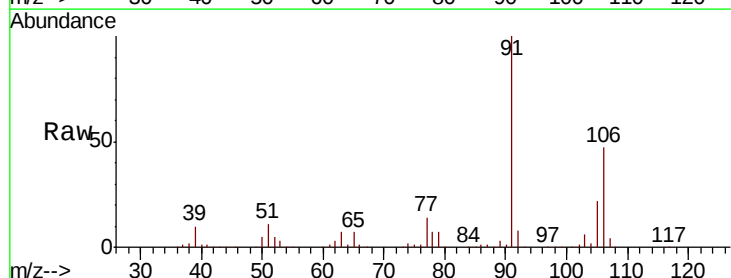
Acq: 18 May 2020 12:47

Tgt Ion: 106 Resp: 209269

Ion Ratio Lower Upper

106 100

91 211.1 147.8 274.4



Abundance Ion 106.00 (105.70 to 106.70): VV016096.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV016096.D (-2497) (-)

9.16

300000

250000

200000

150000

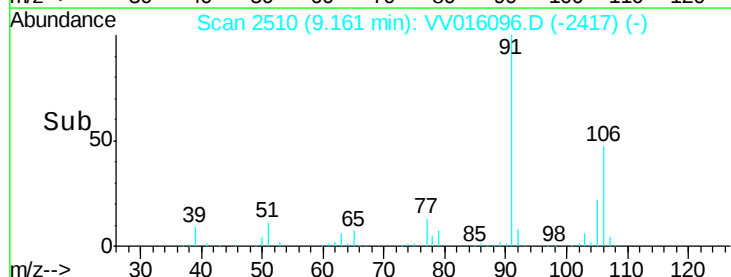
100000

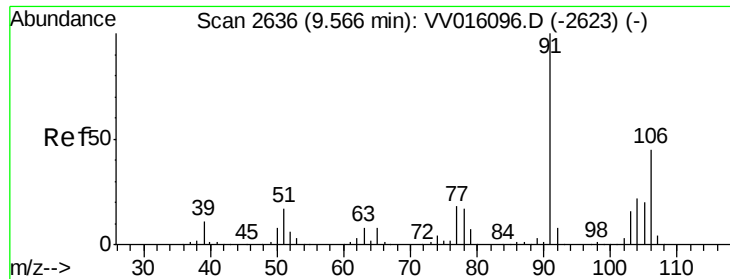
50000

0

9.10 9.15 9.20 9.25

Time-->

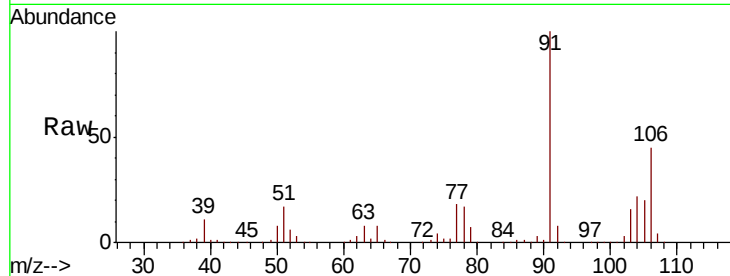




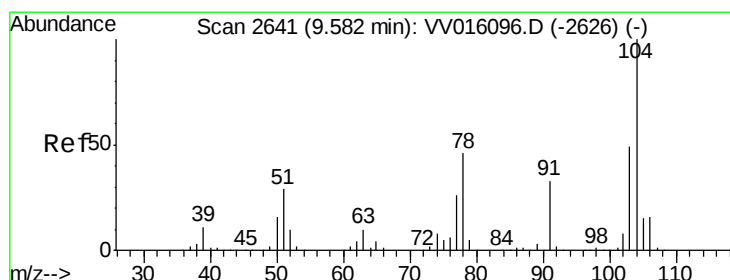
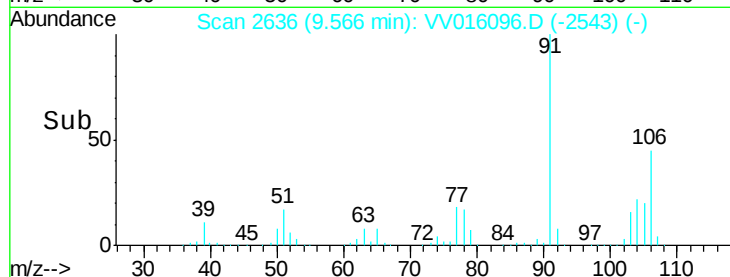
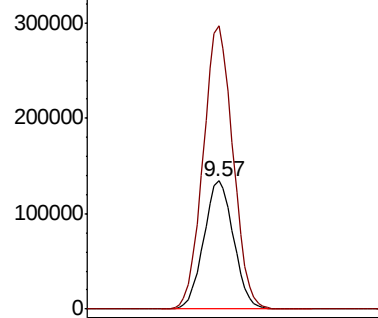
#54
o-xylene
Concen: 43.977 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016096.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 204313
Ion Ratio Lower Upper
106 100
91 220.7 154.5 286.9

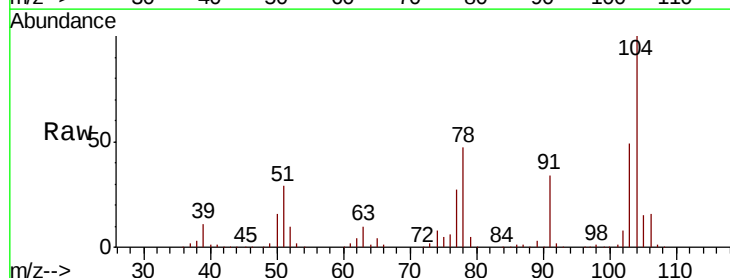


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

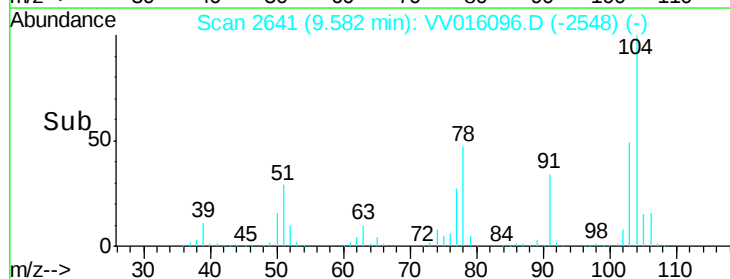
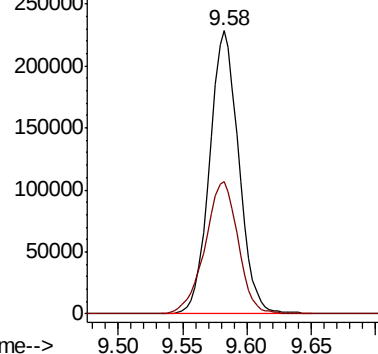


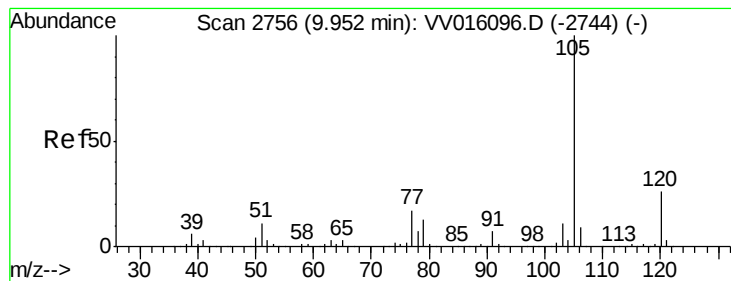
#55
Styrene
Concen: 46.124 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016096.D
Acq: 18 May 2020 12:47

Tgt Ion:104 Resp: 359884
Ion Ratio Lower Upper
104 100
78 46.6 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: 45.483 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_V

ClientSampleId :

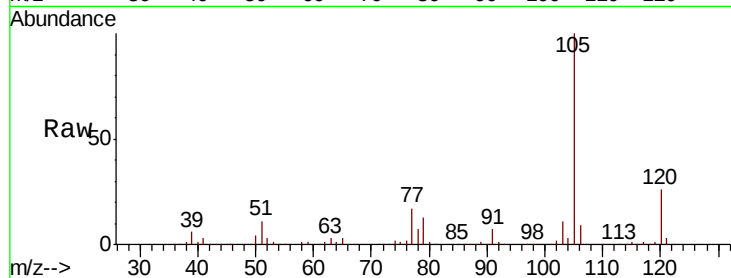
Tot Ion:105 Resp: 550940

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

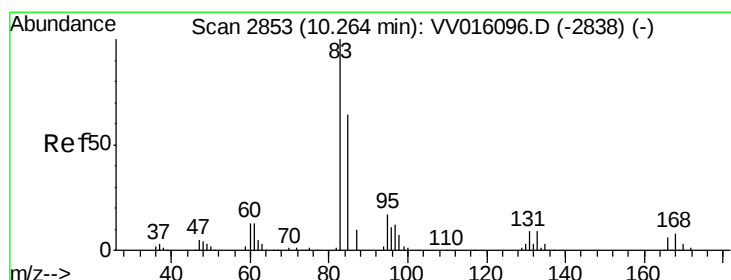
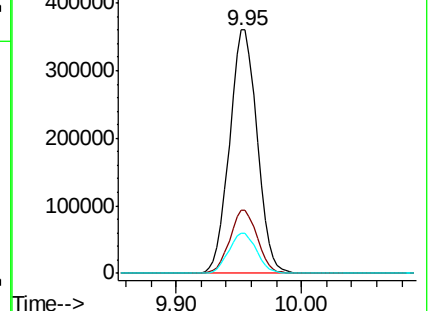
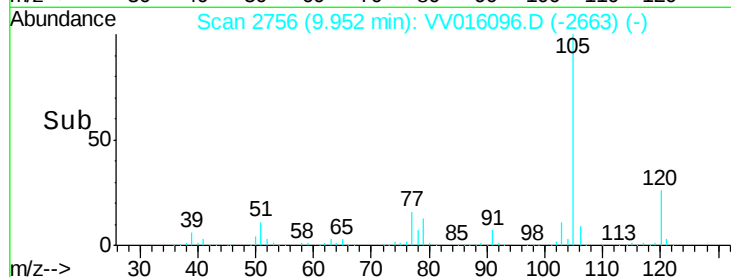
77 16.6 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 43.322 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

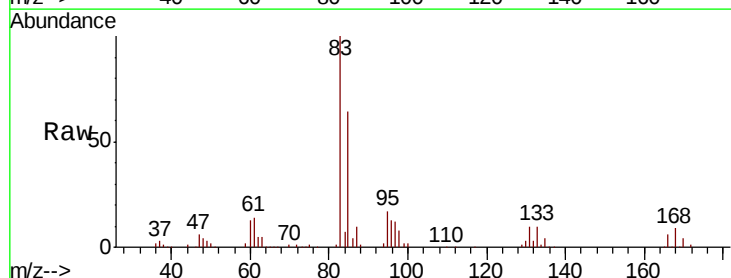
Tgt Ion: 83 Resp: 174314

Ion Ratio Lower Upper

83 100

85 64.0 44.8 83.2

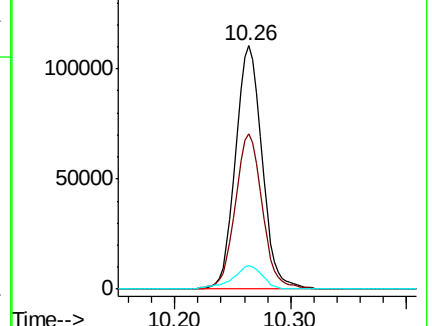
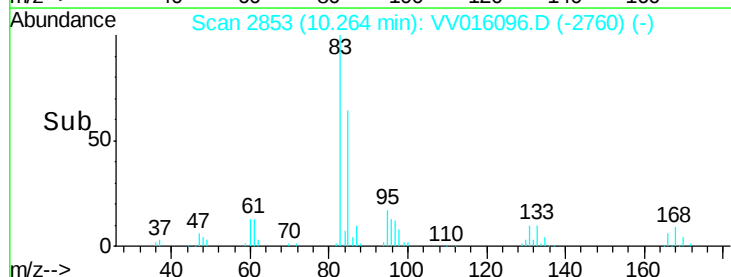
131 9.5 7.6 11.4

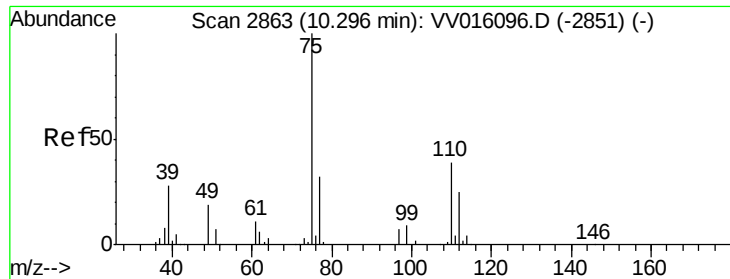


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 44.568 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_V

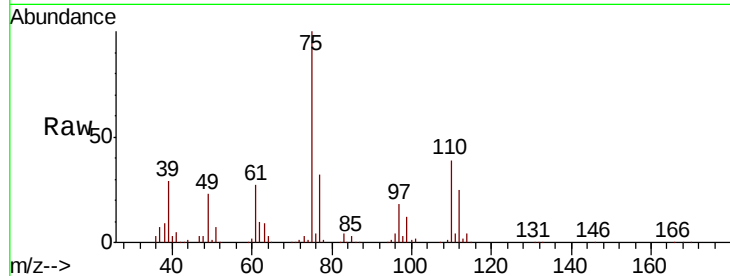
ClientSampleId :

Tot Ion: 75 Resp: 143543

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV016096.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV016096.D (-2851) (-)

10.30

80000

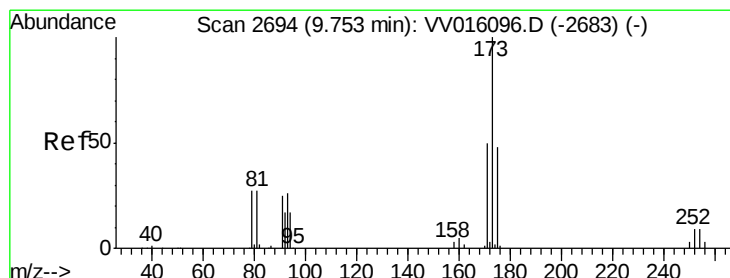
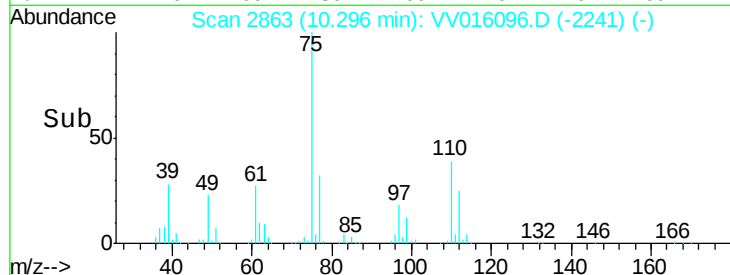
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 43.163 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

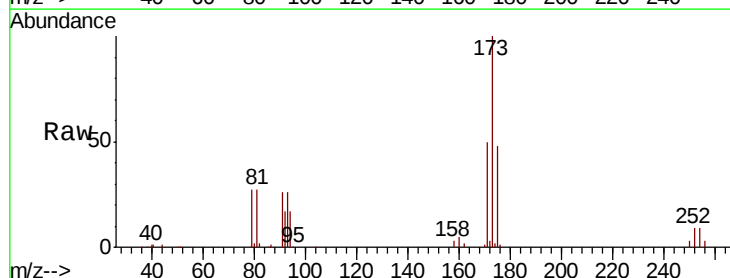
Tgt Ion: 173 Resp: 80613

Ion Ratio Lower Upper

173 100

175 47.9 38.3 57.5

254 8.5 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): VV016096.D (-2683) (-)

Ion 175.00 (174.70 to 175.70): VV016096.D (-2683) (-)

Ion 254.00 (253.70 to 254.70): VV016096.D (-2683) (-)

9.75

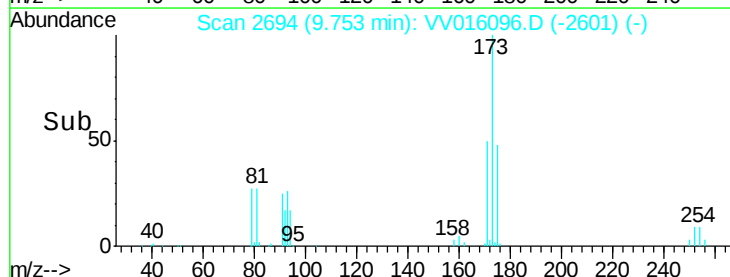
60000

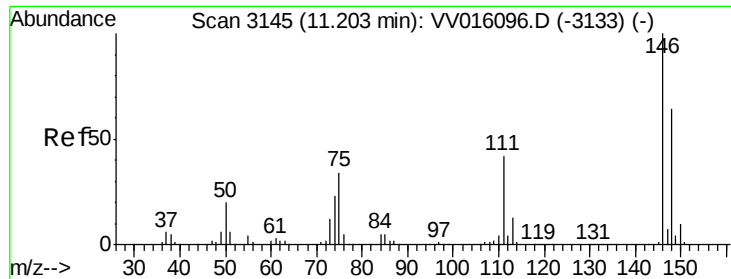
40000

20000

0

Time-->

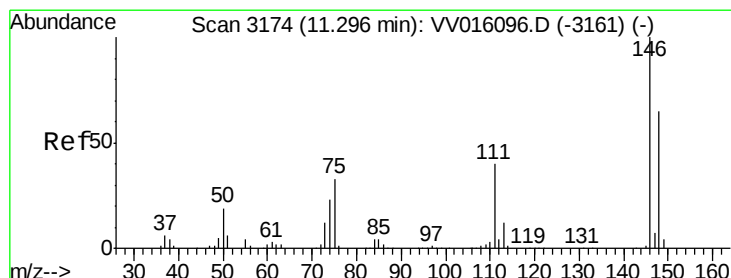
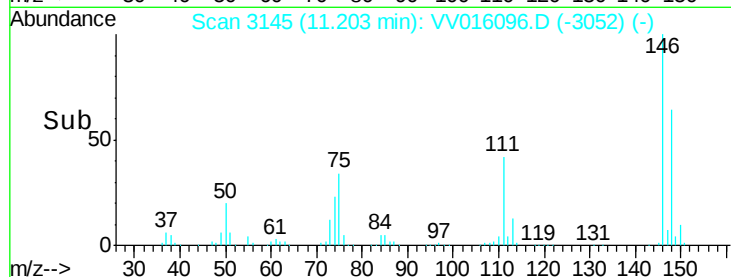
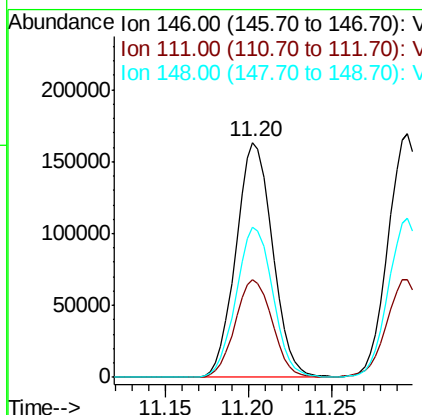
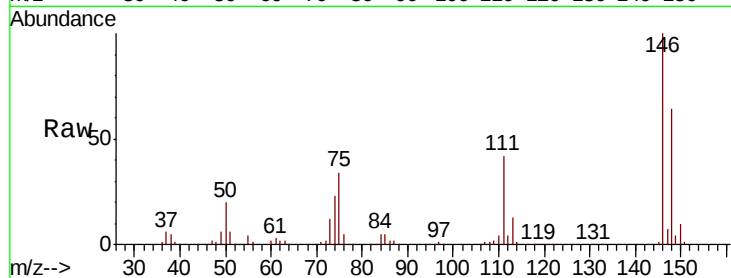




#62
 1,3-Dichlorobenzene
 Concen: 44.408 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV016096.D
 Acq: 18 May 2020 12:47

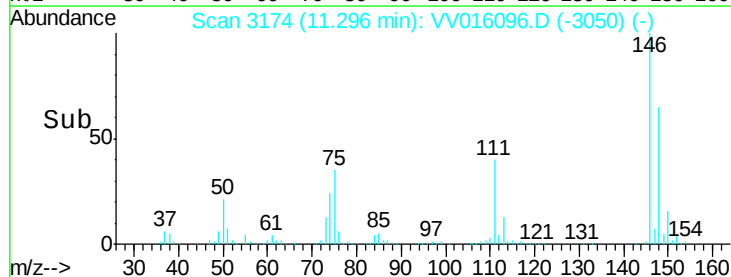
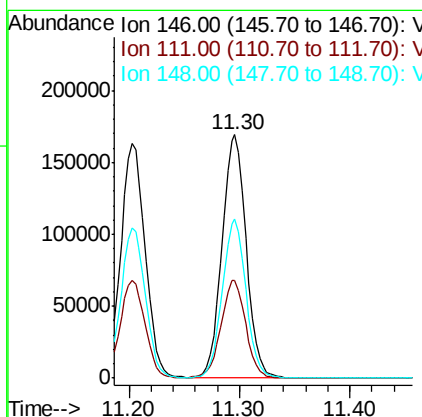
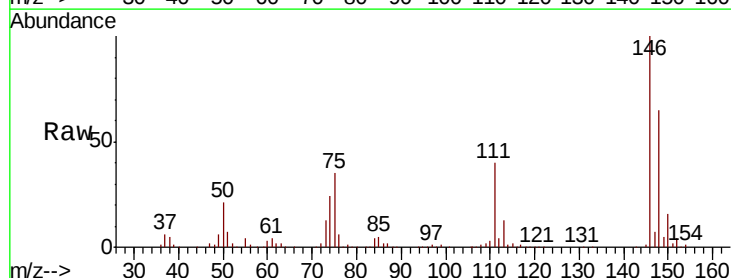
Instrument :
 MSVOA_V
 ClientSampled :

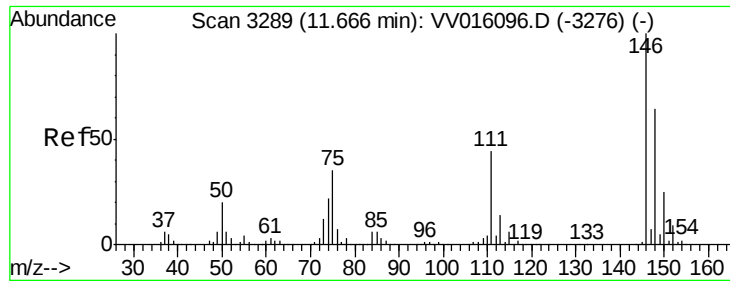
Tot Ion:146 Resp: 252077
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.1 54.1
 148 63.6 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 44.426 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016096.D
 Acq: 18 May 2020 12:47

Tgt Ion:146 Resp: 256915
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.1 52.3
 148 65.3 45.7 84.9





#65

1,2-Dichlorobenzene

Concen: 43.211 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_V

ClientSampled :

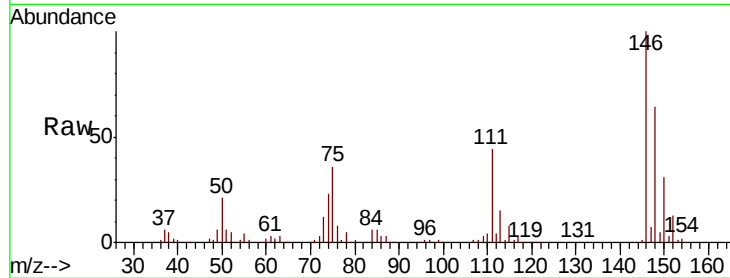
Tot Ion:146 Resp: 249360

Ion Ratio Lower Upper

146 100

111 44.0 35.2 52.8

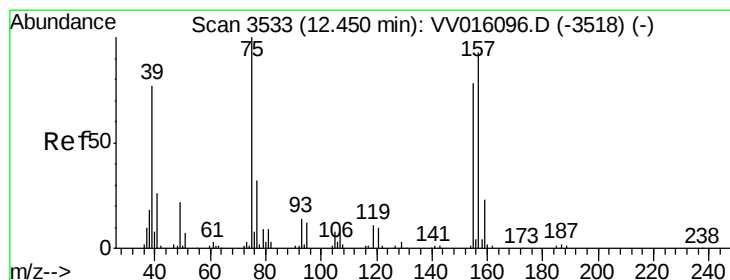
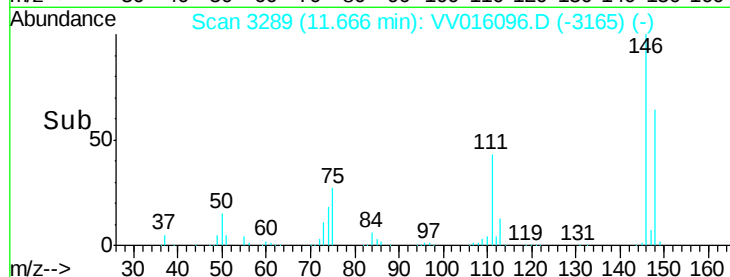
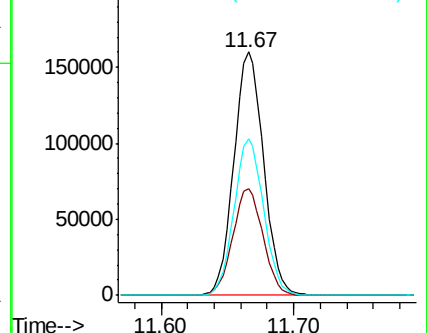
148 64.3 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 35.404 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

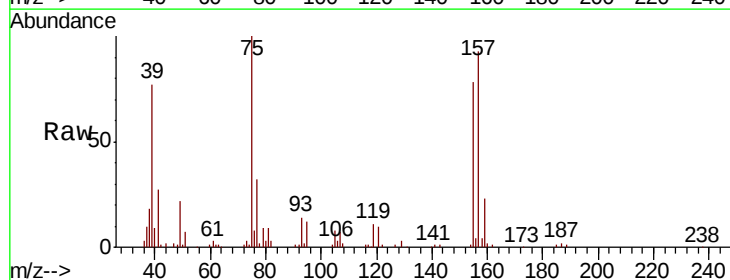
Tgt Ion: 75 Resp: 39054

Ion Ratio Lower Upper

75 100

155 77.6 62.1 93.1

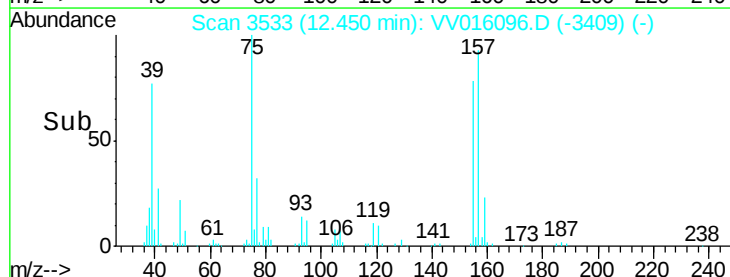
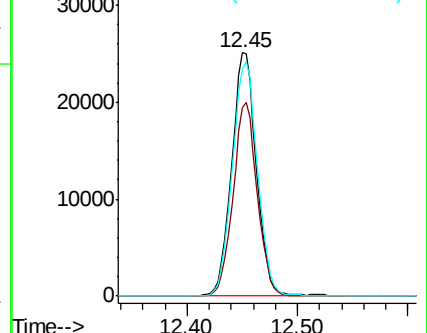
157 93.2 74.6 111.8

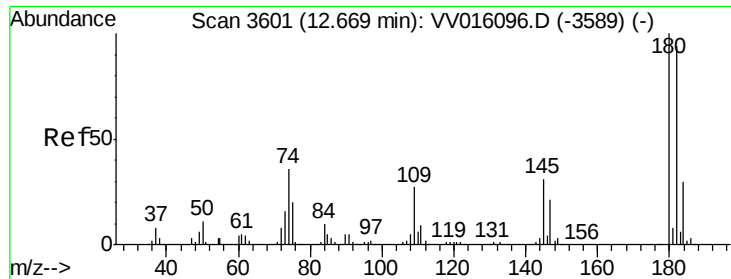


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

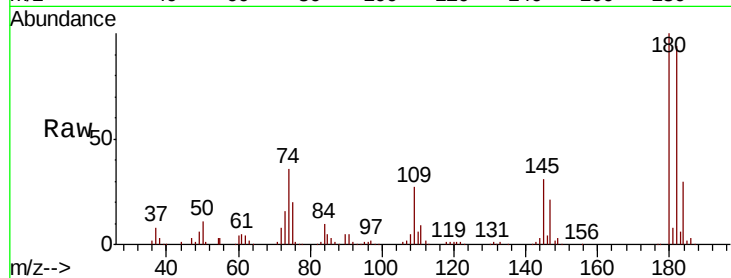




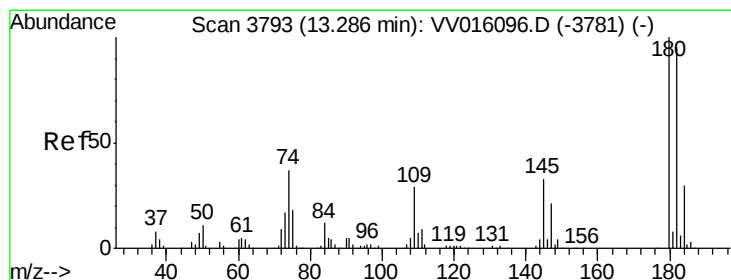
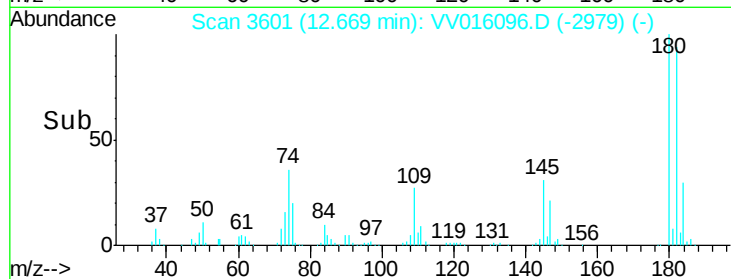
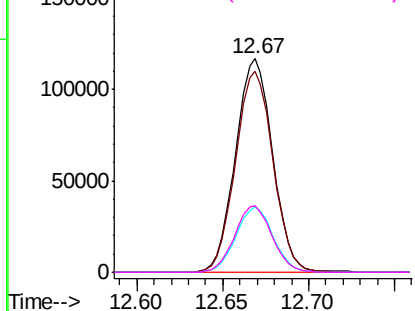
#67
 1,3,5-Trichlorobenzene
 Concen: 46.229 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016096.D
 Acq: 18 May 2020 12:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 175261
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.8 113.6
 184 30.4 24.3 36.5
 145 31.3 25.0 37.6

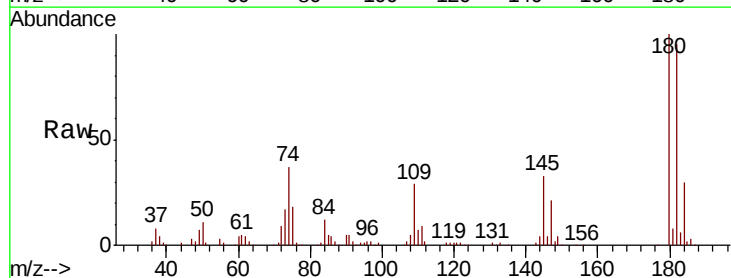


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

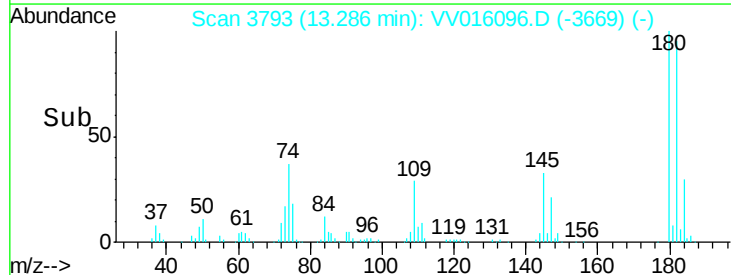
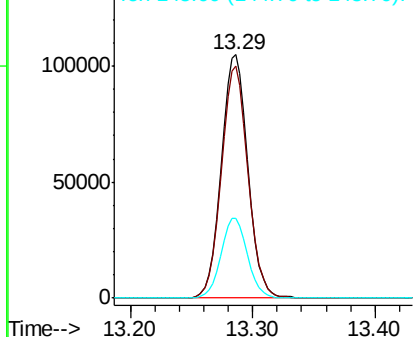


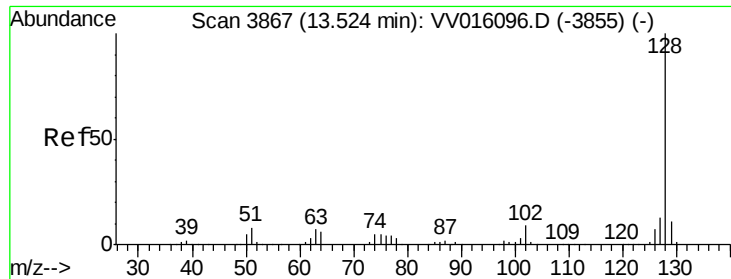
#68
 1,2,4-trichlorobenzene
 Concen: 46.506 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016096.D
 Acq: 18 May 2020 12:47

Tgt Ion:180 Resp: 160992
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.4
 145 32.7 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: 38.863 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_V

ClientSampleId :

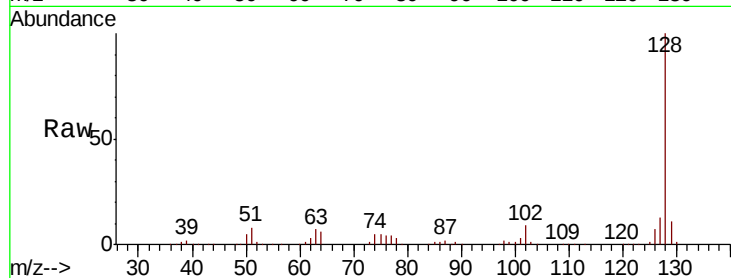
Tot Ion:128 Resp: 495532

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

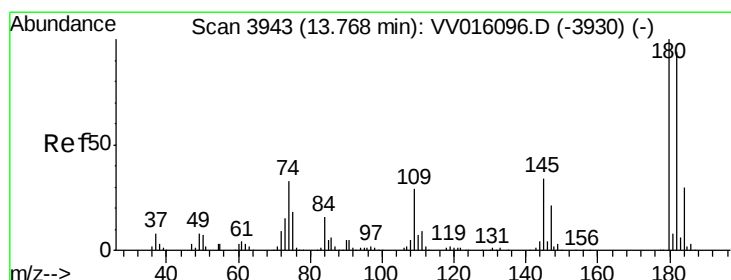
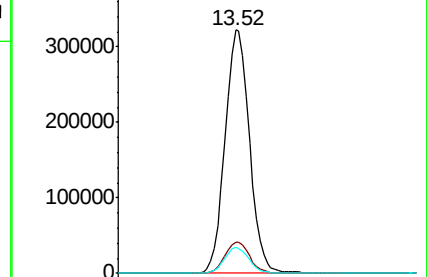
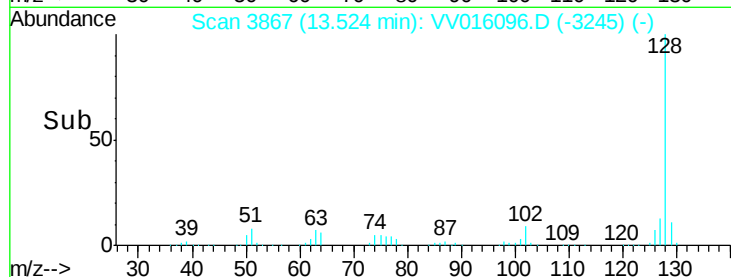
129 10.8 8.6 13.0



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: 46.370 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016096.D

Acq: 18 May 2020 12:47

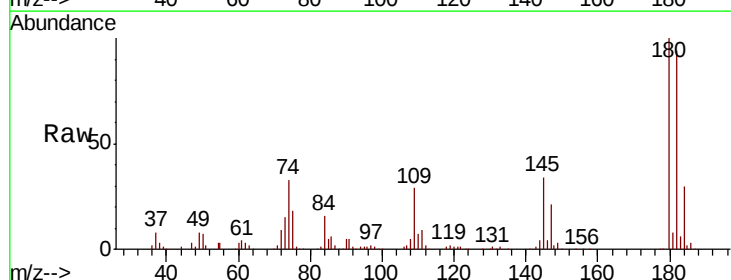
Tgt Ion:180 Resp: 165488

Ion Ratio Lower Upper

180 100

182 94.1 75.3 112.9

145 34.2 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

