

Data File : VV014987.D
Acq On : 17 Mar 2020 20:38
Operator : SY/MD
Sample : L1941-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DB5

Quant Time: Mar 18 05:27:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 05:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	327176	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	331731	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	192552	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82501	37.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.70%
7) Chloroethane-d5	1.58	69	64291	39.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.42%
11) 1,1-Dichloroethene-d2	2.12	63	105420	31.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.04%
21) 2-Butanone-d5	3.93	46	80132	60.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	60.29%
24) Chloroform-d	4.38	84	193636	42.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.28%
26) 1,2-Dichloroethane-d4	5.06	65	131977	45.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.74%
32) Benzene-d6	5.08	84	401804	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.94%
36) 1,2-Dichloropropane-d6	6.10	67	117641	43.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.46%
41) Toluene-d8	7.34	98	394706	43.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.34%
43) trans-1,3-Dichloropropene-	7.64	79	53674	37.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.20%
47) 2-Hexanone-d5	8.12	63	108098	88.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	172422	43.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.56%
64) 1,2-Dichlorobenzene-d4	11.65	152	185020	43.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.72%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	1.77	101	28764	8.523	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1088	0.646	ug/L #	15
13) Acetone	2.20	43	1286	0.979	ug/L	96
25) Chloroform	4.41	83	9739	2.274	ug/L	93
33) Benzene	5.13	78	273269	30.273	ug/L	100
35) Methylcyclohexane	6.10	83	31546	8.073	ug/L #	20
39) cis-1,3-Dichloropropene	7.01	75	3096	0.833	ug/L #	60
51) Chlorobenzene	8.90	112	1028473	147.038	ug/L	98
52) Ethylbenzene	9.04	91	8621	0.745	ug/L	97
54) o-xylene	9.57	106	10255	2.302	ug/L	94
62) 1,3-Dichlorobenzene	11.20	146	1091865	172.074	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	14022793	2193.862	ug/L	92
65) 1,2-Dichlorobenzene	11.67	146	4028384	635.554	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.42	75	1708	1.793	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.28	180	1125976	226.329	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	1125976	253.929	ug/L	100
69) Naphthalene	13.52	128	12550	2.203	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031720\
Quantitation Report (Not Reviewed)

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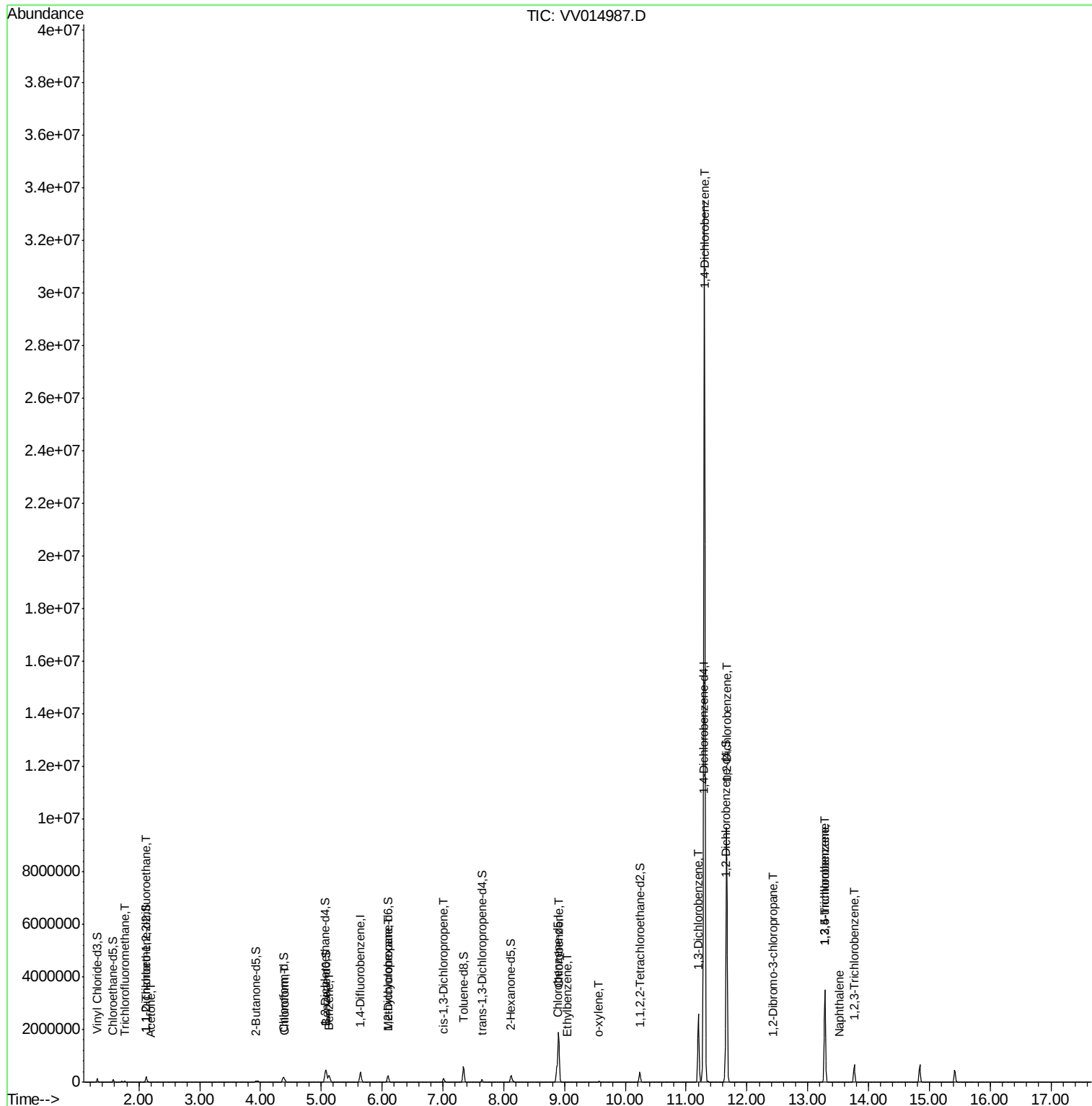
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.77	180	214947	48.970	ug/L	99

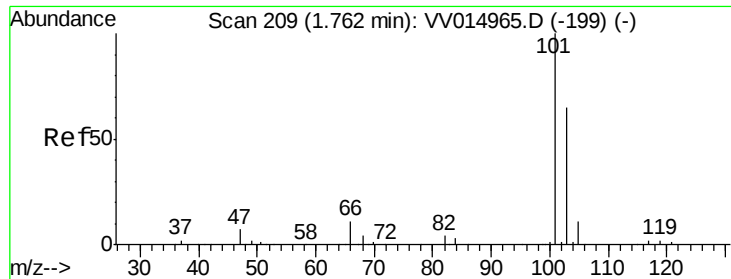
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Mar 18 05:21:28 2020
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 8.523 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

Instrument :

MSVOA_V

ClientSampleId :

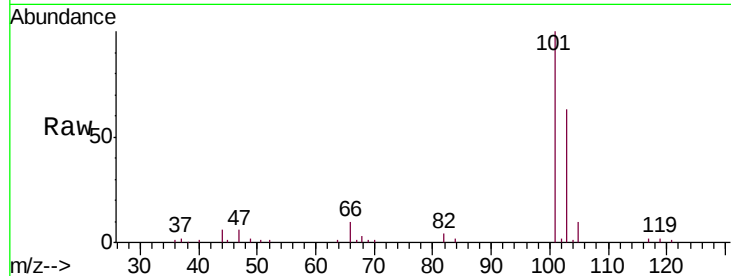
C0DB5

Tgt Ion:101 Resp: 28764

Ion Ratio Lower Upper

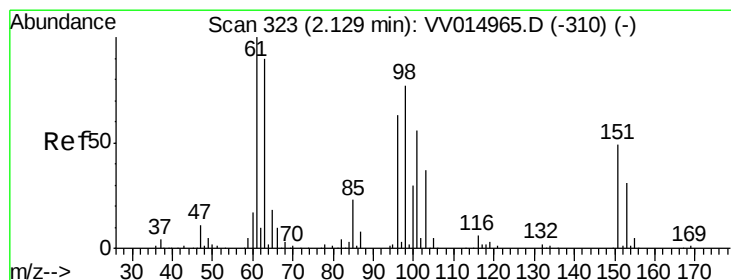
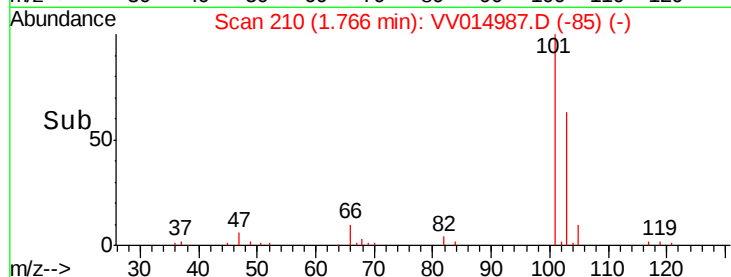
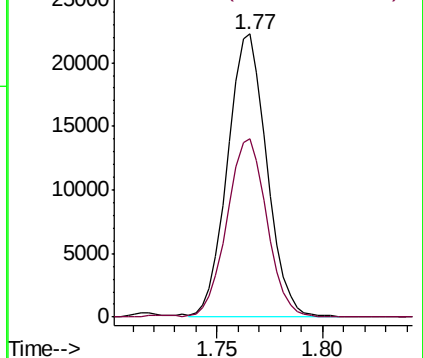
101 100

103 63.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.646 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

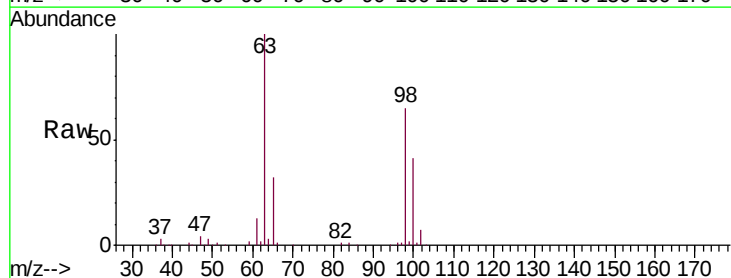
Tgt Ion:101 Resp: 1088

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

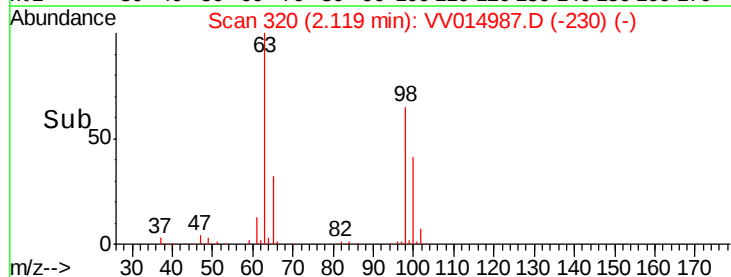
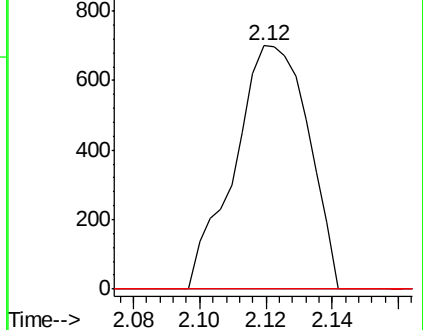
151 0.0 70.1 105.1#

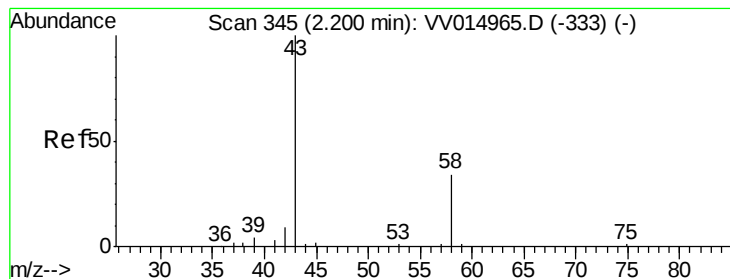


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 0.979 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

Instrument :

MSVOA_V

ClientSampleId :

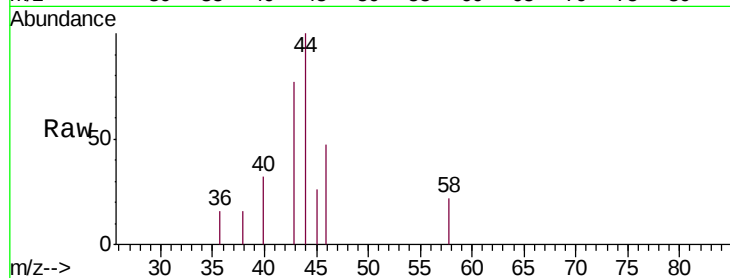
C0DB5

Tgt Ion: 43 Resp: 1286

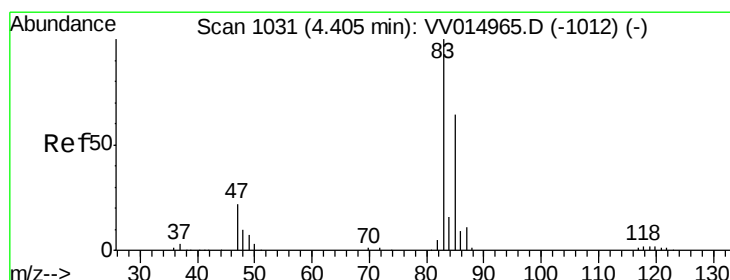
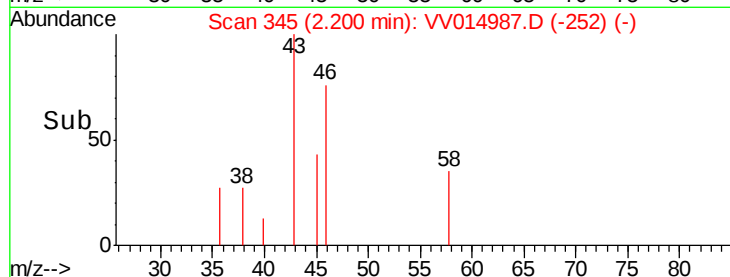
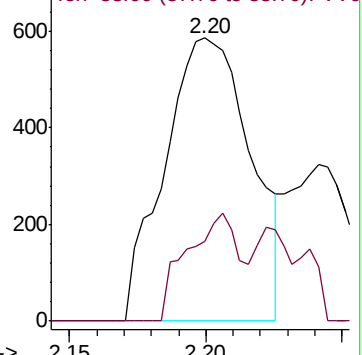
Ion Ratio Lower Upper

43 100

58 23.6 0.0 51.6



Abundance Ion 43.00 (42.70 to 43.70): VV014987.D (-252) (-)



#25

Chloroform

Concen: 2.274 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VV014987.D

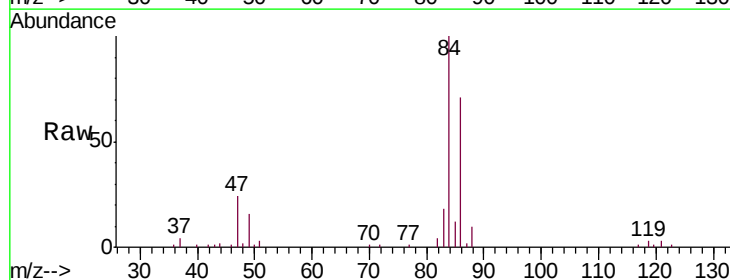
Acq: 17 Mar 2020 20:38

Tgt Ion: 83 Resp: 9739

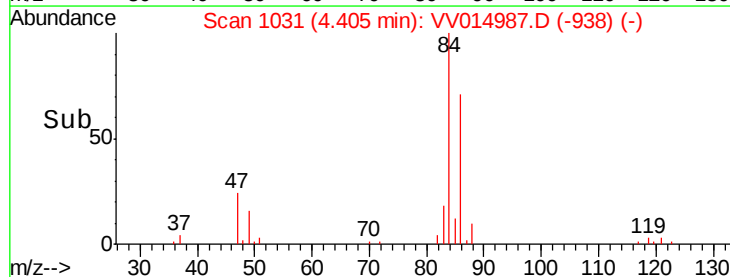
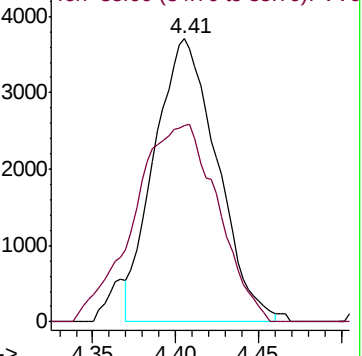
Ion Ratio Lower Upper

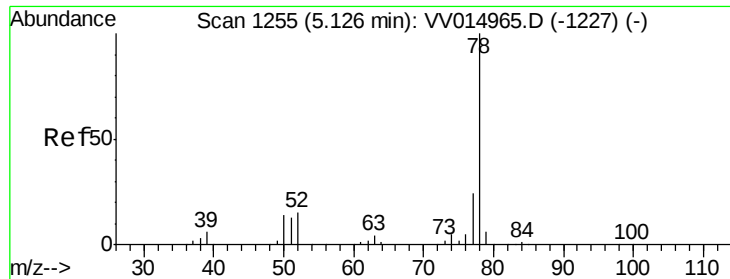
83 100

85 69.3 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VV014987.D (-938) (-)





#33

Benzene

Concen: 30.273 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

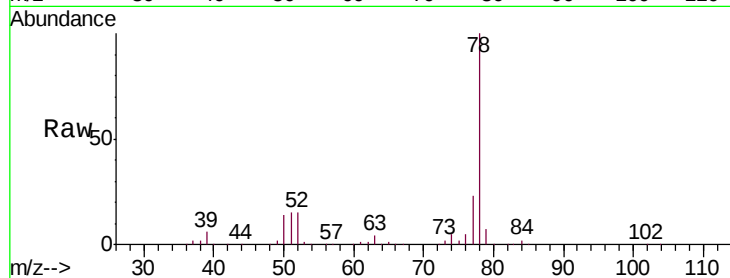
Instrument :

MSVOA_V

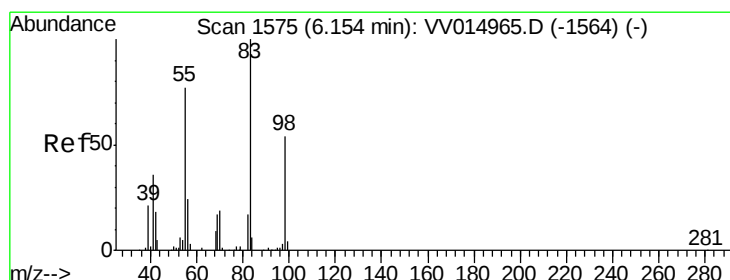
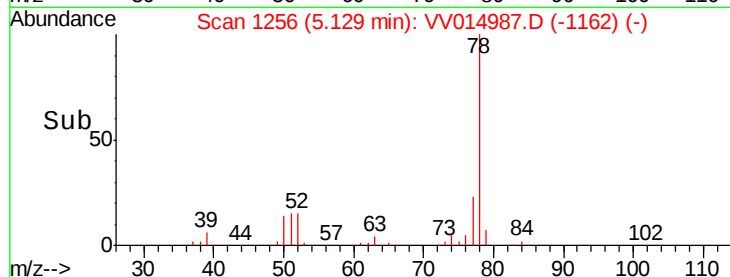
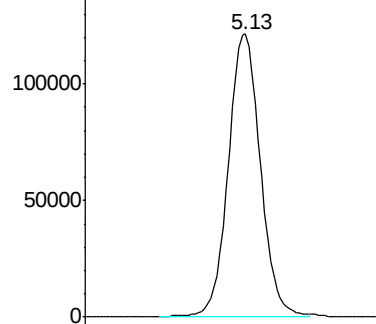
ClientSampleId :

C0DB5

Tgt Ion: 78 Resp: 273269



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Methylcyclohexane

Concen: 8.073 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

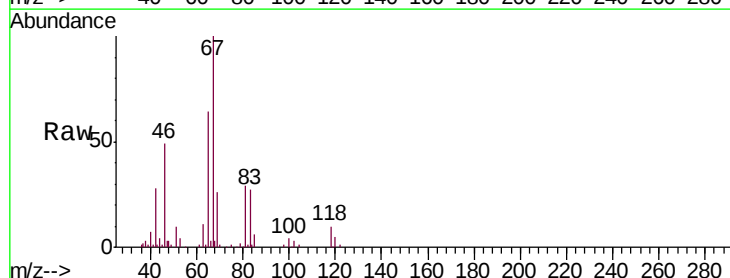
Tgt Ion: 83 Resp: 31546

Ion Ratio Lower Upper

83 100

55 0.4 57.5 86.3#

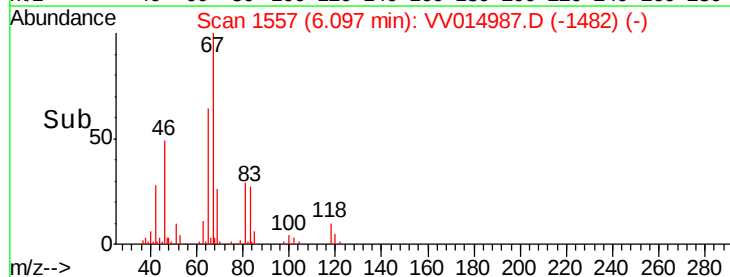
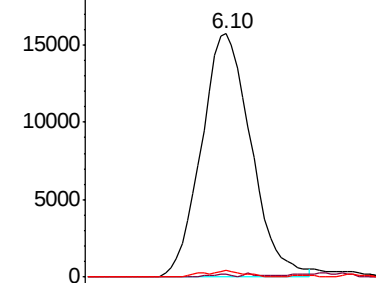
98 1.4 39.5 59.3#

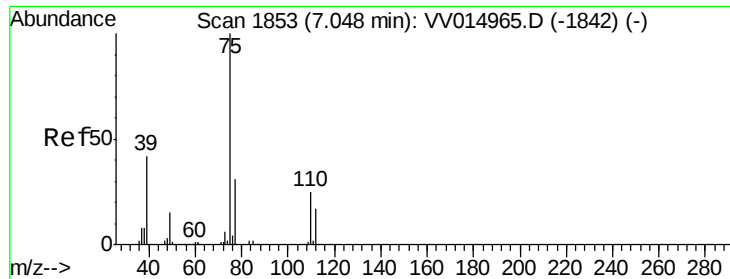


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#39

cis-1,3-Dichloropropene

Concen: 0.833 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

Instrument :

MSVOA_V

ClientSampleId :

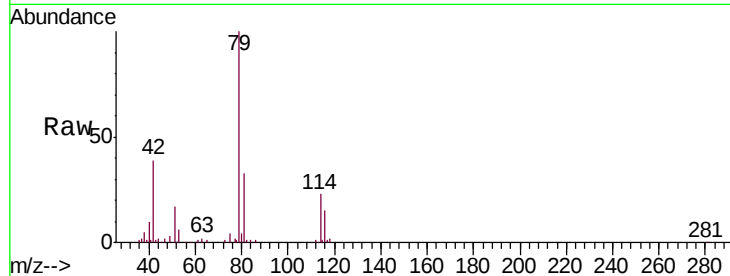
C0DB5

Tgt Ion: 75 Resp: 3096

Ion Ratio Lower Upper

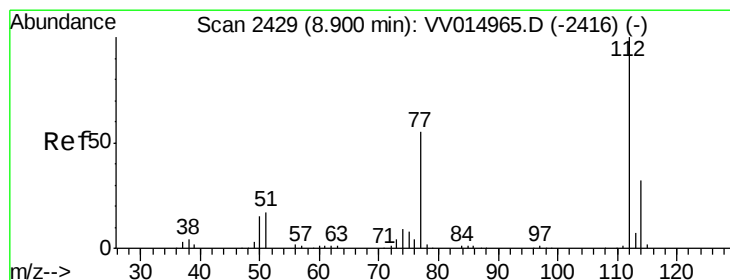
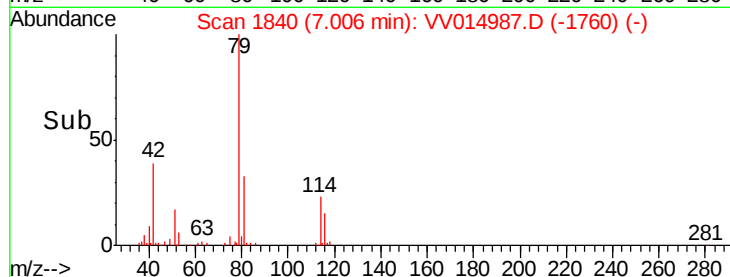
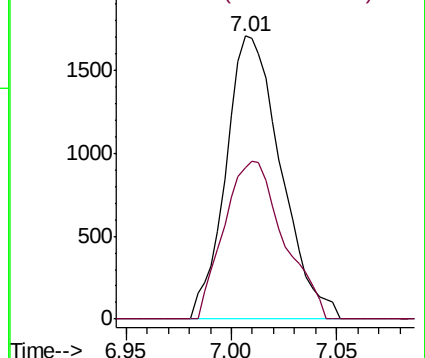
75 100

77 53.5 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#51

Chlorobenzene

Concen: 147.038 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

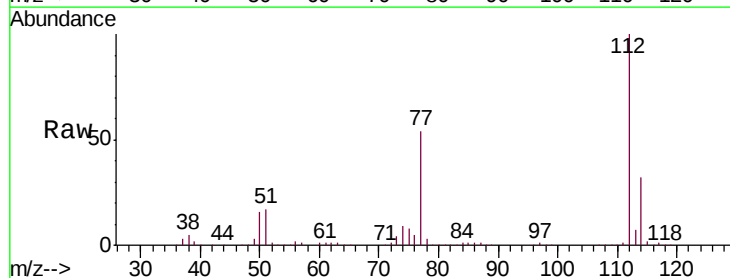
Tgt Ion: 112 Resp: 1028473

Ion Ratio Lower Upper

112 100

114 32.4 22.8 42.4

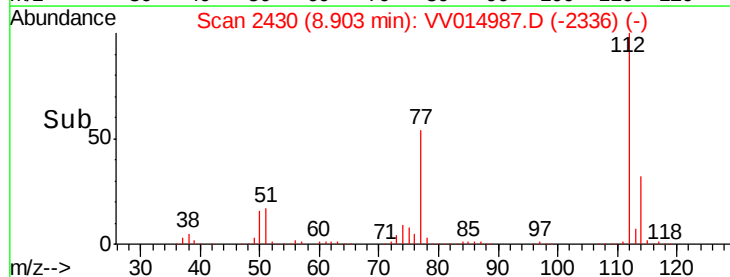
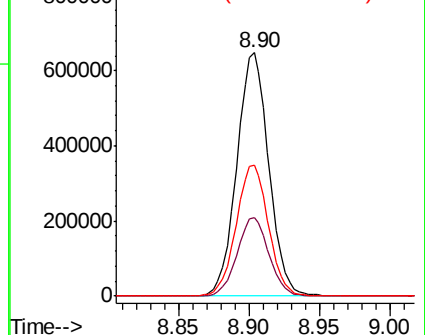
77 54.0 44.5 66.7

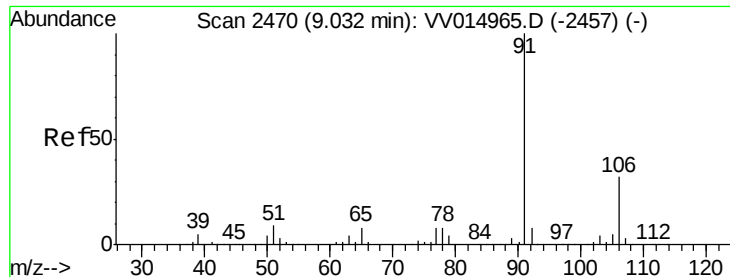


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 0.745 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

Instrument :

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ClientSampleId :

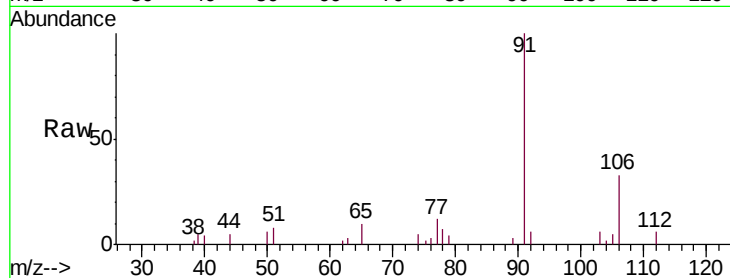
C0DB5

Tgt Ion: 91 Resp: 8621

Ion Ratio Lower Upper

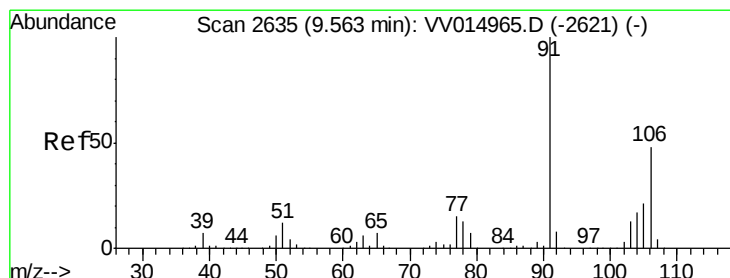
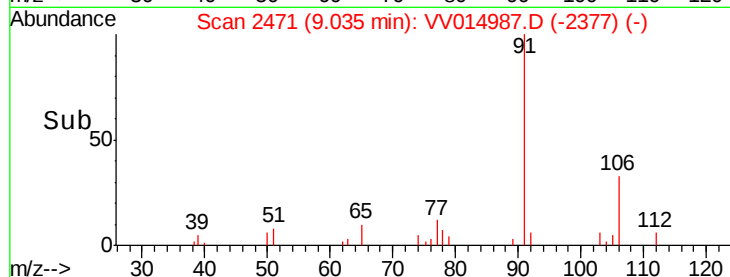
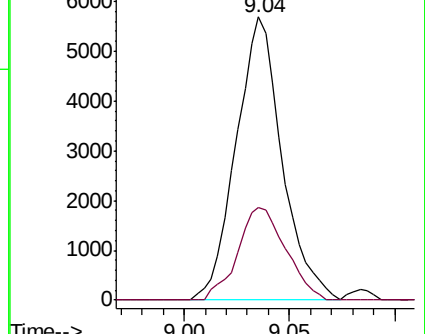
91 100

106 32.9 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV014987.D (-2471) (-)

Ion 106.00 (105.70 to 106.70): VV014987.D (-2471) (-)



#54

o-xylene

Concen: 2.302 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV014987.D

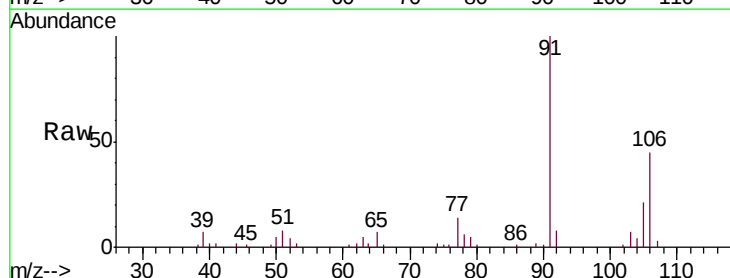
Acq: 17 Mar 2020 20:38

Tgt Ion: 106 Resp: 10255

Ion Ratio Lower Upper

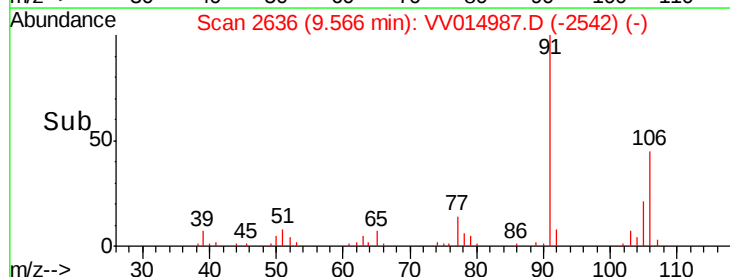
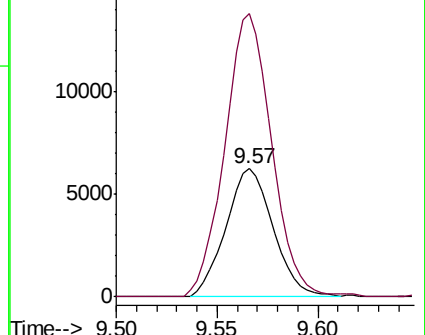
106 100

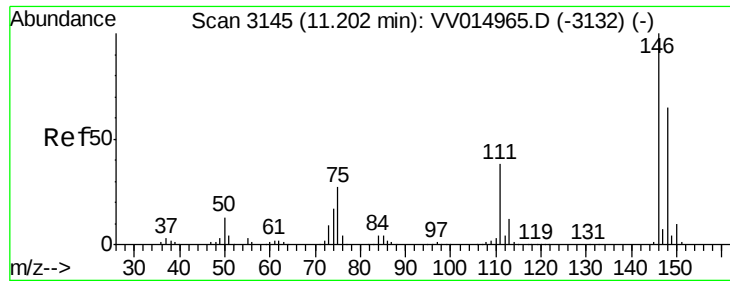
91 220.6 147.9 274.7



Abundance Ion 106.00 (105.70 to 106.70): VV014987.D (-2636) (-)

Ion 91.00 (90.70 to 91.70): VV014987.D (-2636) (-)





#62

1,3-Dichlorobenzene

Concen: 172.074 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

Instrument :

MSVOA_V

ClientSampleId :

C0DB5

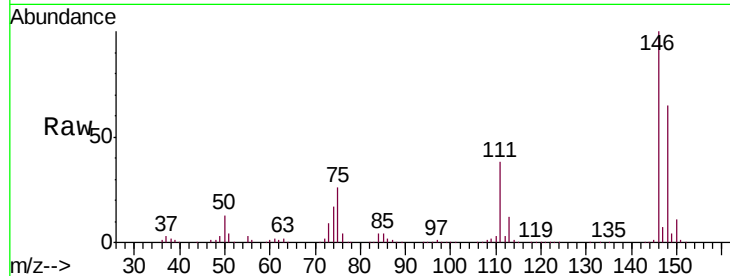
Tgt Ion:146 Resp: 1091865

Ion Ratio Lower Upper

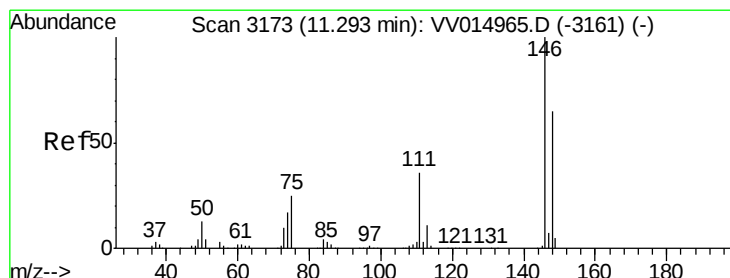
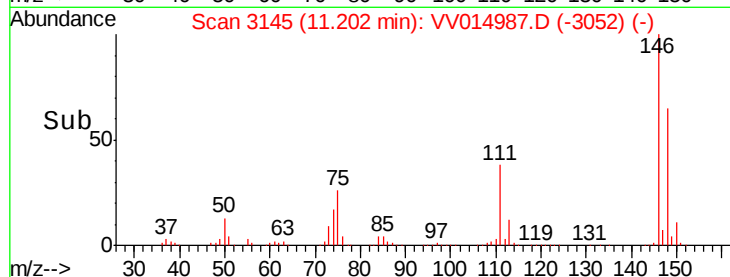
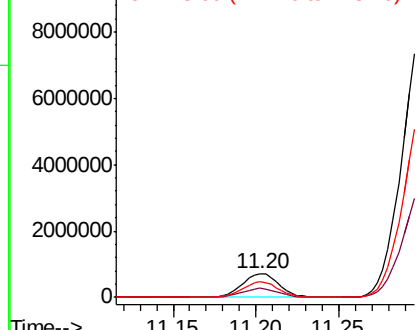
146 100

111 37.6 26.5 49.3

148 64.6 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V
1e+07 Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 2193.862 ug/L

RT: 11.30 min Scan# 3176

Delta R.T. 0.01 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

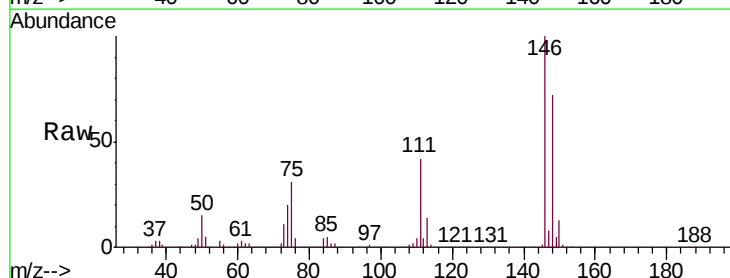
Tgt Ion:146 Resp:14022793

Ion Ratio Lower Upper

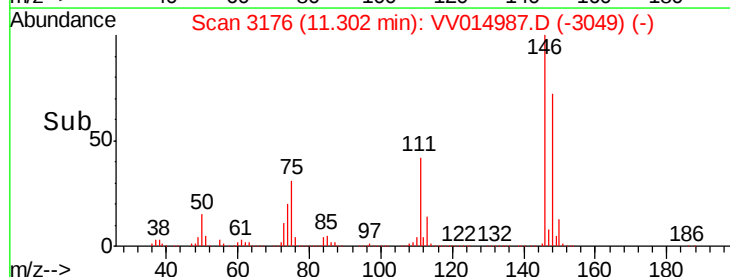
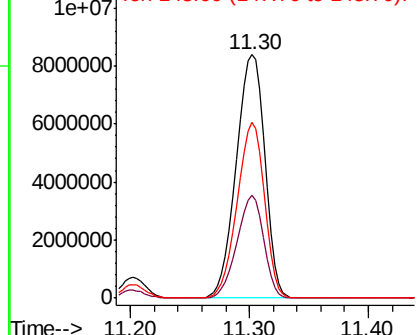
146 100

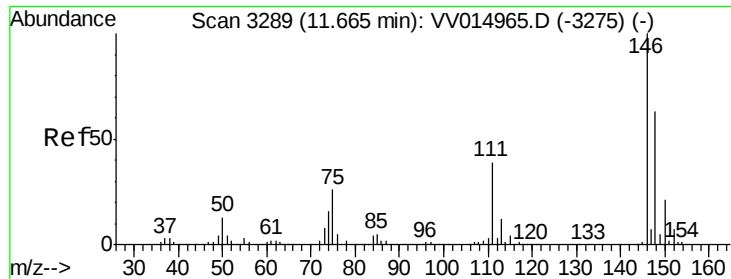
111 42.3 26.0 48.2

148 72.2 46.1 85.5



Abundance Ion 146.00 (145.70 to 146.70): V
1e+07 Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

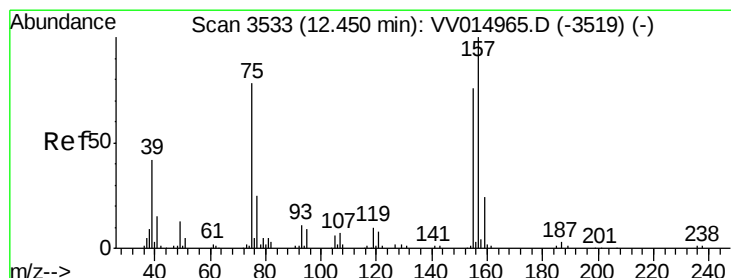
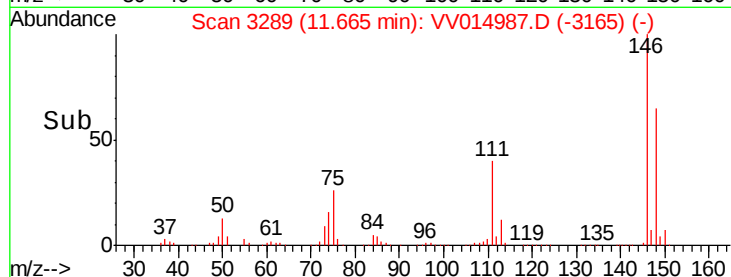
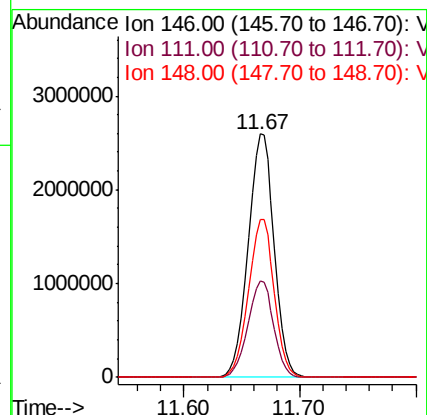
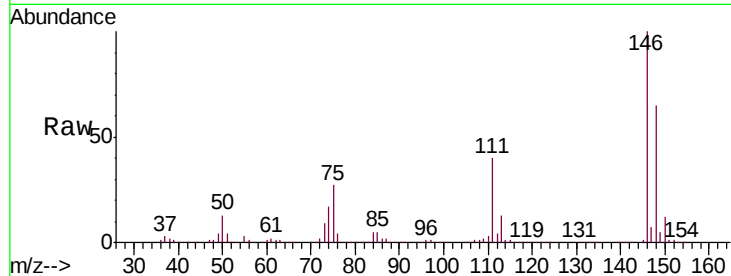




#65
 1,2-Dichlorobenzene
 Concen: 635.554 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV014987.D
 Acq: 17 Mar 2020 20:38

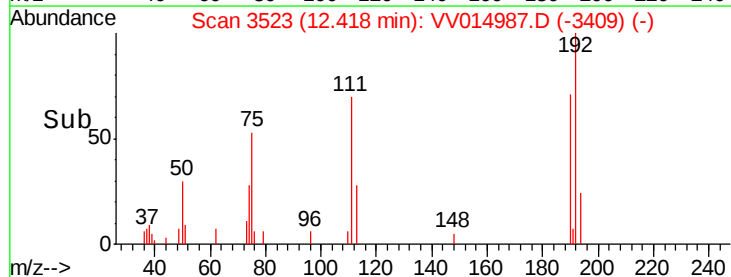
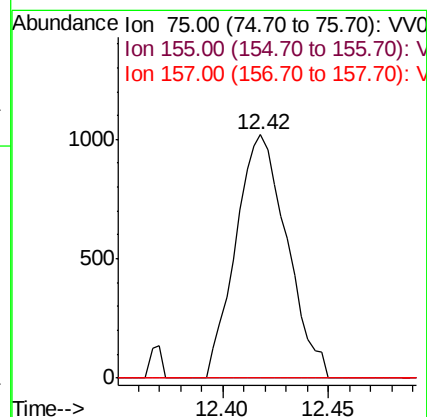
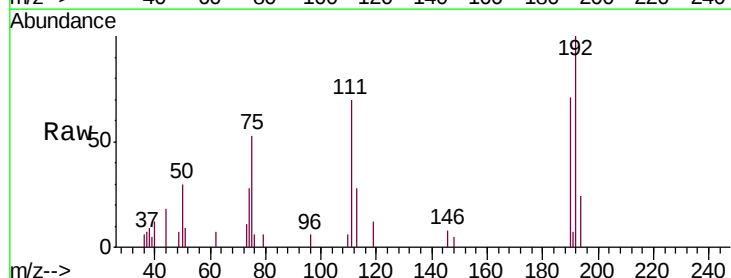
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB5

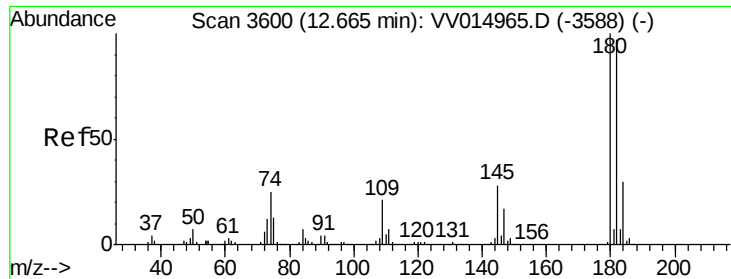
Tgt Ion:146 Resp: 4028384
 Ion Ratio Lower Upper
 146 100
 111 39.8 31.6 47.4
 148 64.6 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.793 ug/L
 RT: 12.42 min Scan# 3523
 Delta R.T. -0.03 min
 Lab File: VV014987.D
 Acq: 17 Mar 2020 20:38

Tgt Ion: 75 Resp: 1708
 Ion Ratio Lower Upper
 75 100
 155 0.0 77.7 116.5#
 157 0.0 97.2 145.8#

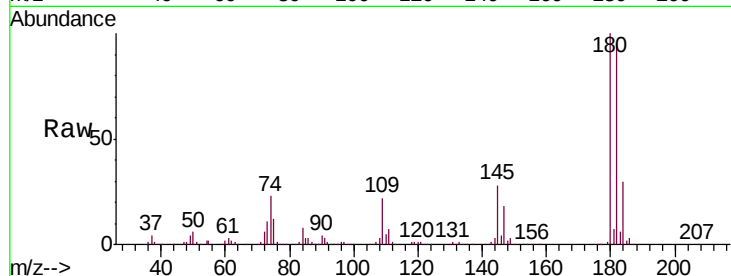




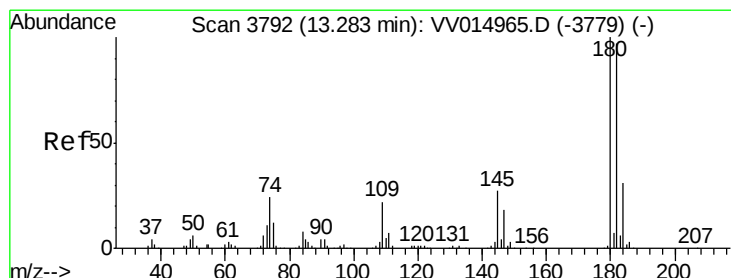
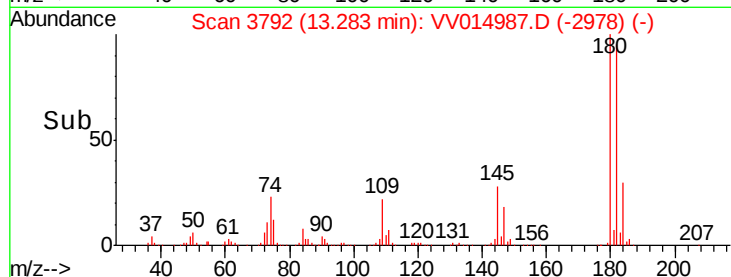
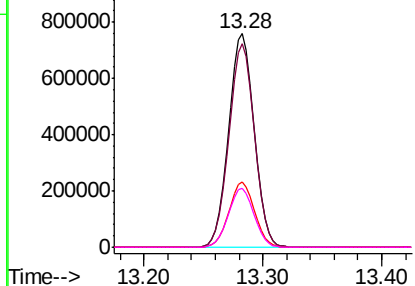
#67
 1,3,5-Trichlorobenzene
 Concen: 226.329 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV014987.D
 Acq: 17 Mar 2020 20:38

Instrument :
 MSVOA_V
 ClientSampleID :
 C0DB5

Tgt Ion:180 Resp: 1125976
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.7 113.5
 184 30.5 24.2 36.4
 145 27.9 22.0 33.0

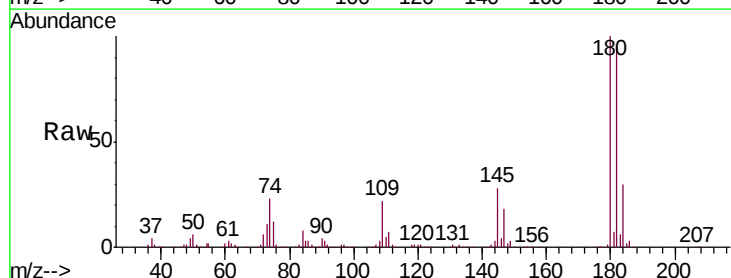


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

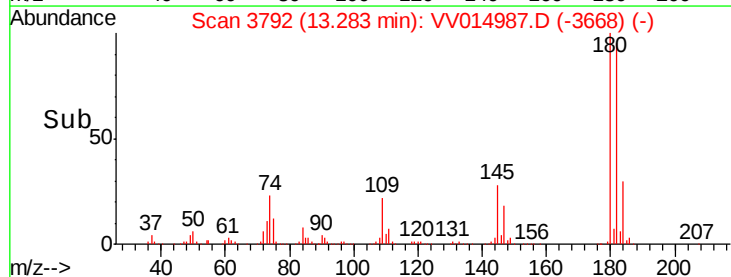
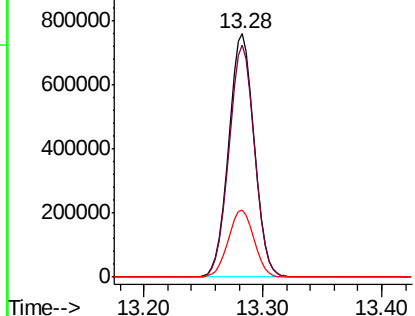


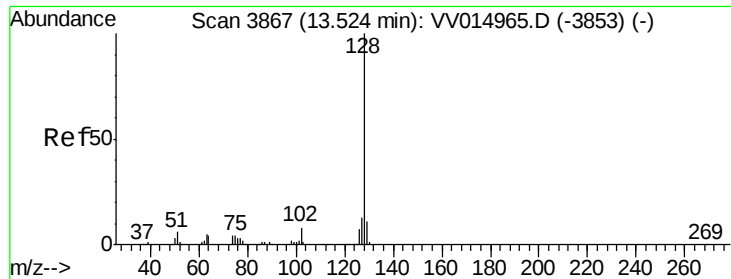
#68
 1,2,4-trichlorobenzene
 Concen: 253.929 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV014987.D
 Acq: 17 Mar 2020 20:38

Tgt Ion:180 Resp: 1125976
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.3 114.5
 145 27.9 23.1 34.7



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: 2.203 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

Instrument :

MSVOA_V

ClientSampleId :

C0DB5

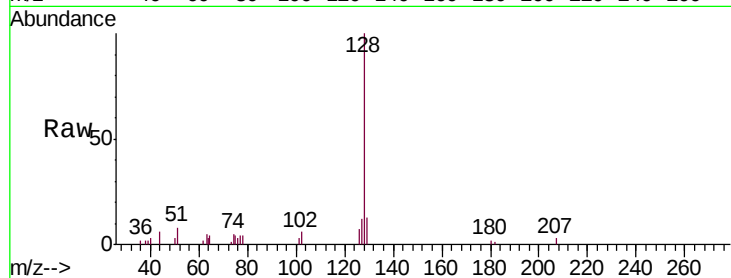
Tgt Ion:128 Resp: 12550

Ion Ratio Lower Upper

128 100

127 14.1 10.2 15.4

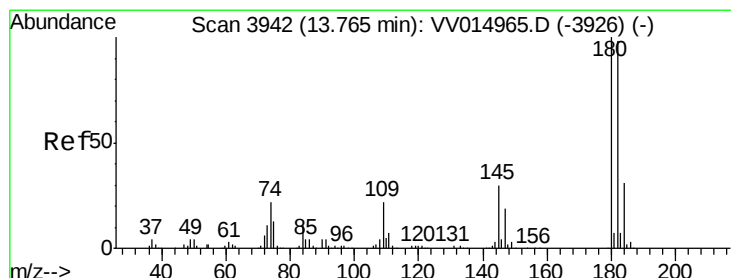
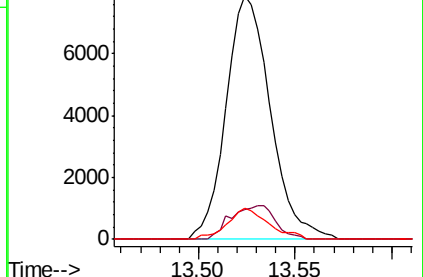
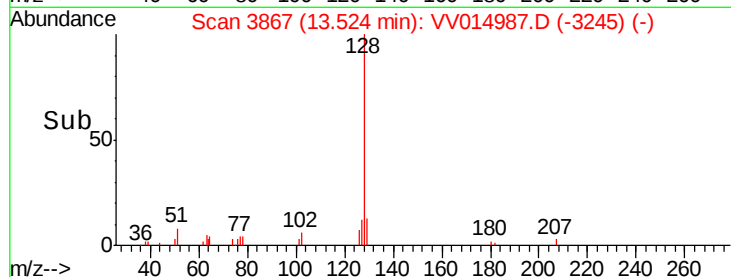
129 11.8 8.6 13.0



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: 48.970 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

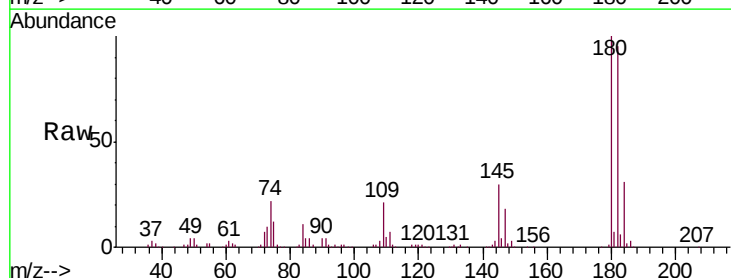
Tgt Ion:180 Resp: 214947

Ion Ratio Lower Upper

180 100

182 96.0 76.2 114.4

145 30.2 24.1 36.1



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

