

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014942.D
 Acq On : 16 Mar 2020 13:41
 Operator : SY/MD
 Sample : L1884-12DL 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CON84DL

Quant Time: Mar 18 03:19:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 03:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	386496	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	375351	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	181210	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111112	43.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.30%
7) Chloroethane-d5	1.58	69	82929	43.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.72%
11) 1,1-Dichloroethene-d2	2.12	63	137353	34.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.54%
21) 2-Butanone-d5	3.94	46	127651	81.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.31%
24) Chloroform-d	4.38	84	230042	42.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.76%
26) 1,2-Dichloroethane-d4	5.06	65	152086	44.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.50%
32) Benzene-d6	5.08	84	478873	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.62%
36) 1,2-Dichloropropane-d6	6.10	67	141119	45.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.66%
41) Toluene-d8	7.34	98	459254	44.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.82%
43) trans-1,3-Dichloropropene-	7.64	79	70902	43.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.62%
47) 2-Hexanone-d5	8.12	63	125888	90.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.57%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	193041	42.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	186813	47.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.12%

Target Compounds

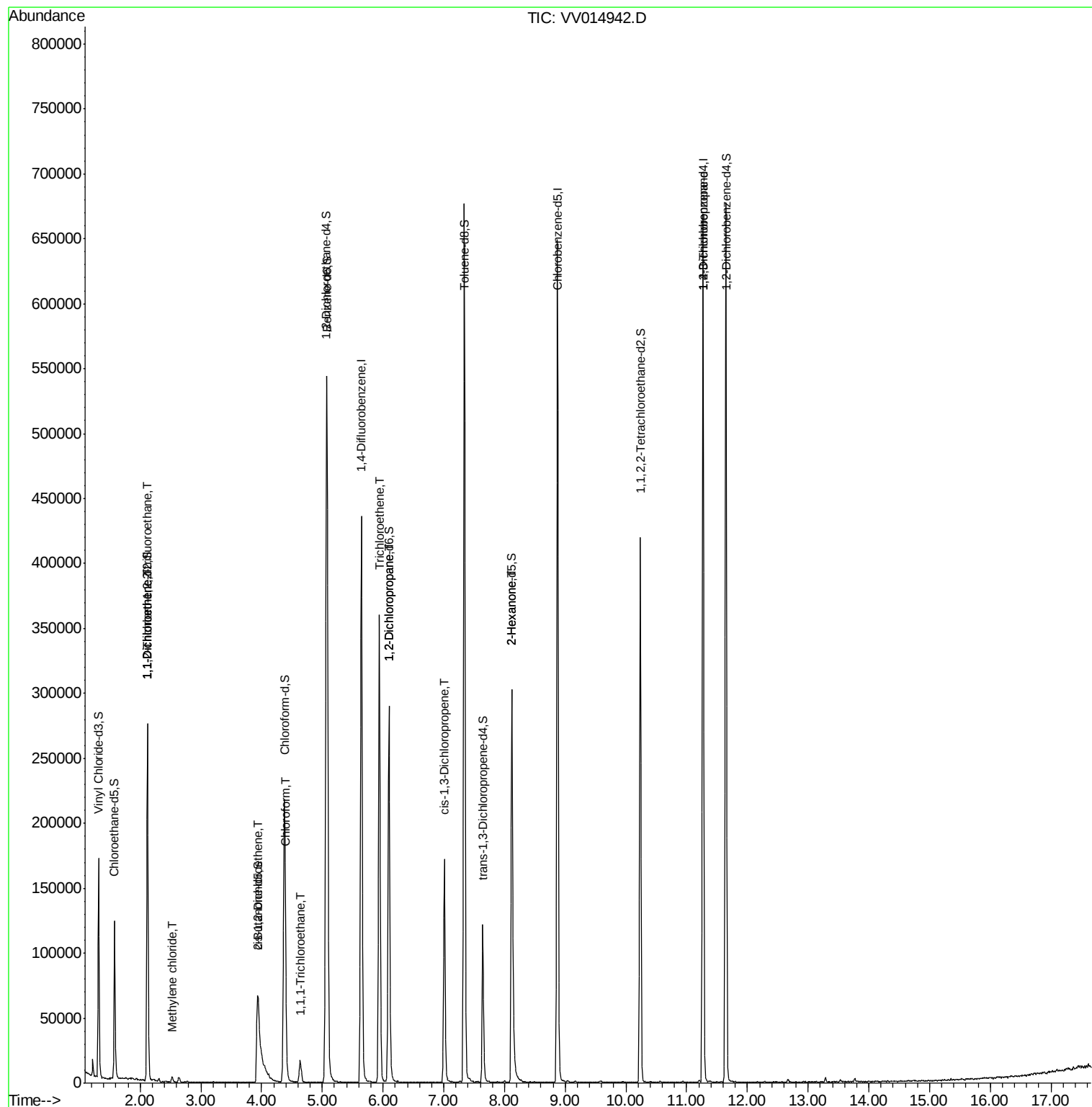
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1427	0.717	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	6768	3.726	ug/L #	1
16) Methylene chloride	2.52	84	1856	0.675	ug/L	88
20) cis-1,2-Dichloroethene	3.95	96	9362	3.223	ug/L	95
25) Chloroform	4.40	83	6666	1.317	ug/L	87
30) 1,1,1-Trichloroethane	4.64	97	13097	2.934	ug/L	95
34) Trichloroethene	5.94	95	124958	45.591	ug/L	97
37) 1,2-Dichloropropane	6.09	63	16450	6.428	ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	4380	1.041	ug/L #	76
48) 2-Hexanone	8.12	43	13960	5.105	ug/L #	71
59) 1,2,3-Trichloropropane	11.27	75	18371	5.235	ug/L	92

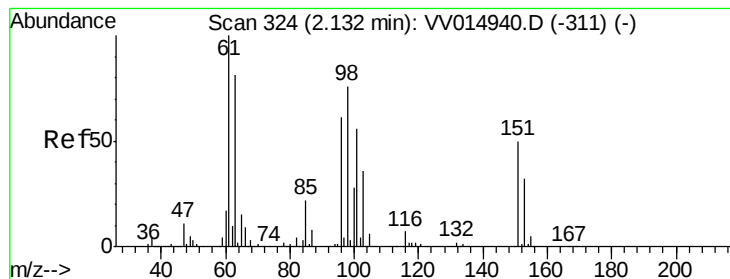
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.717 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV014942.D

Acq: 16 Mar 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

CON84DL

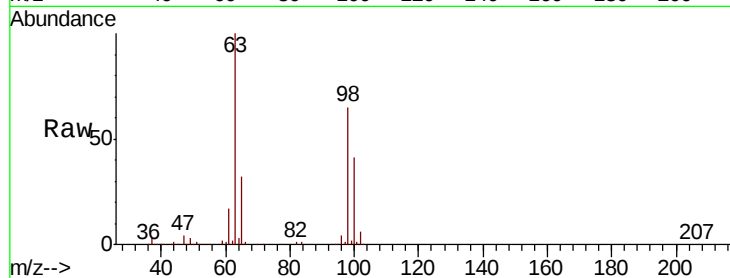
Tot Ion:101 Resp: 1427

Ion Ratio Lower Upper

101 100

85 3.2 33.9 50.9#

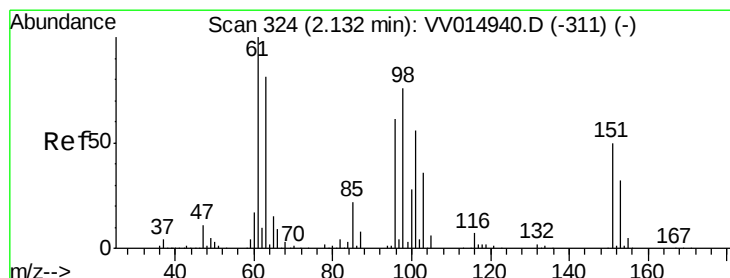
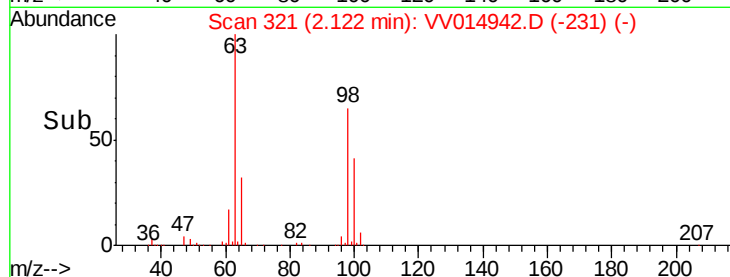
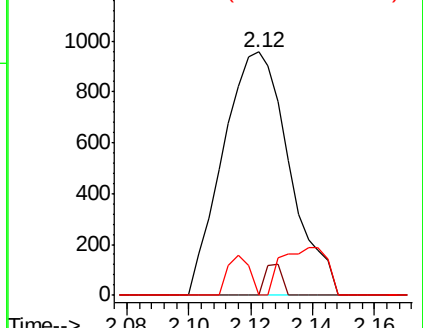
151 5.3 70.1 105.1#



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



#12

1,1-Dichloroethene

Concen: 3.726 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014942.D

Acq: 16 Mar 2020 13:41

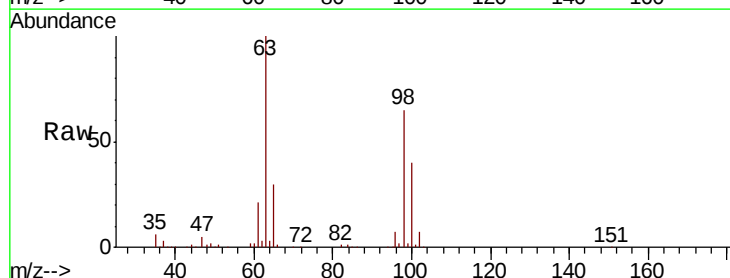
Tgt Ion: 96 Resp: 6768

Ion Ratio Lower Upper

96 100

61 308.4 115.7 214.9#

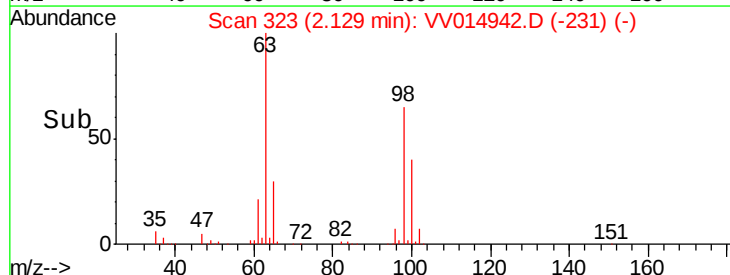
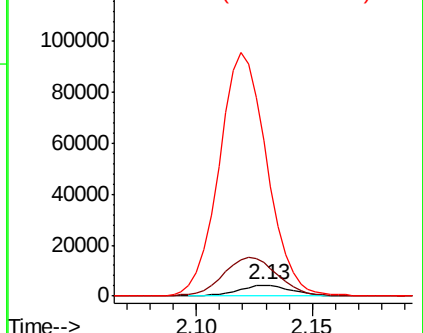
63 1434.9 99.2 184.2#

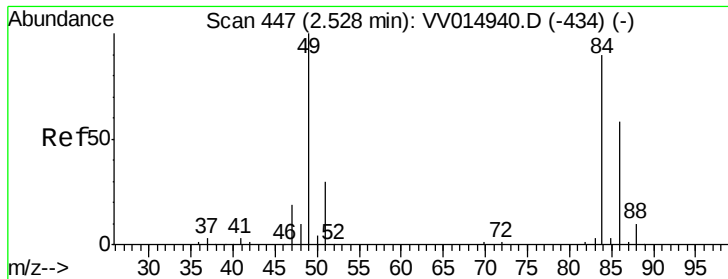


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

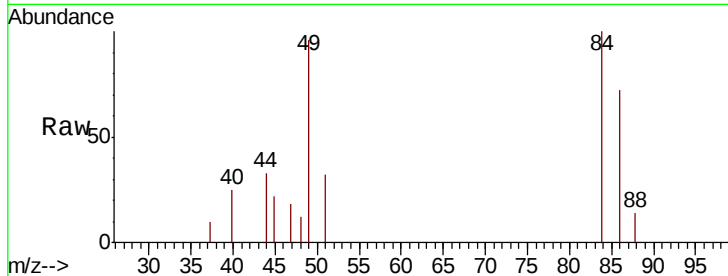




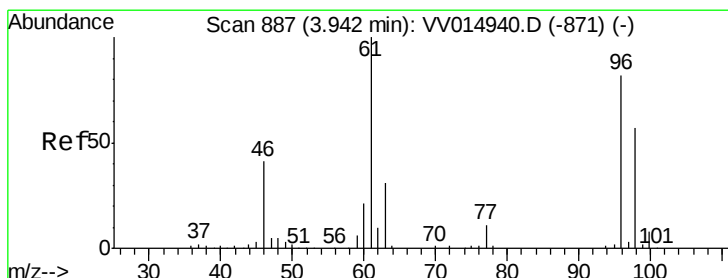
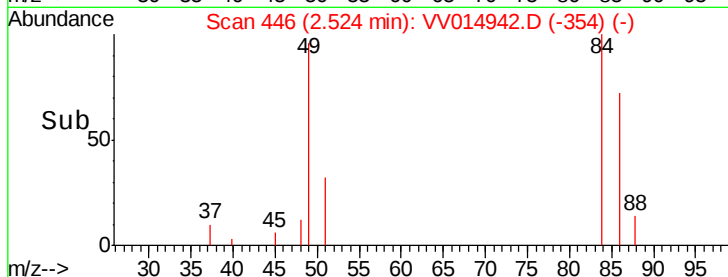
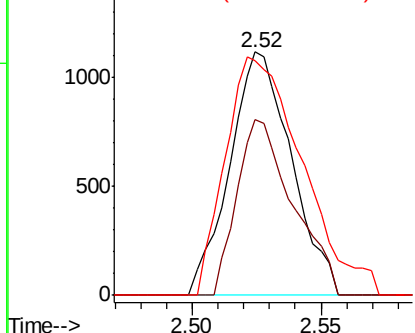
#16
Methvlene chloride
Concen: 0.675 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV014942.D
Acq: 16 Mar 2020 13:41

Instrument :
MSVOA_V
ClientSampleId :
CON84DL

Tot Ion: 84 Resp: 1856
Ion Ratio Lower Upper
84 100
86 72.1 44.6 82.8
49 96.2 76.9 142.9

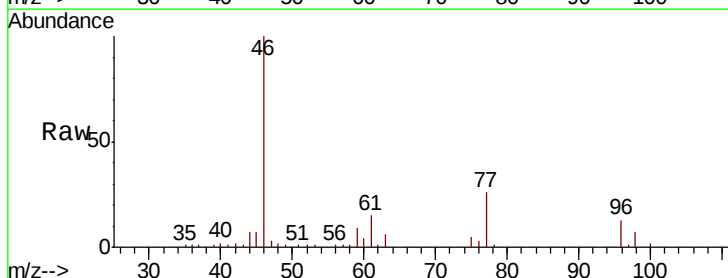


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0

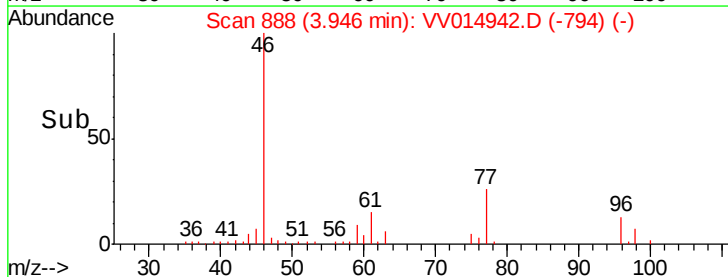
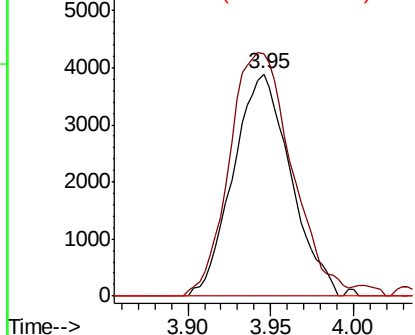


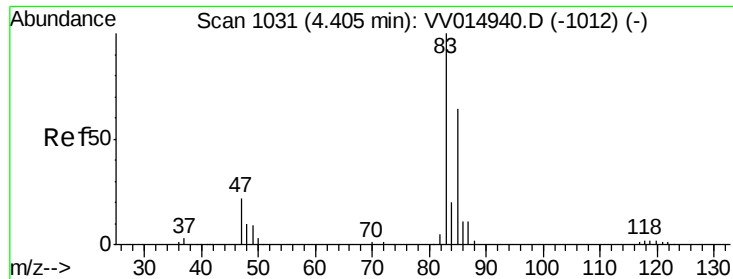
#20
cis-1,2-Dichloroethene
Concen: 3.223 ug/L
RT: 3.95 min Scan# 888
Delta R.T. 0.00 min
Lab File: VV014942.D
Acq: 16 Mar 2020 13:41

Tgt Ion: 96 Resp: 9362
Ion Ratio Lower Upper
96 100
61 109.2 80.2 149.0
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0

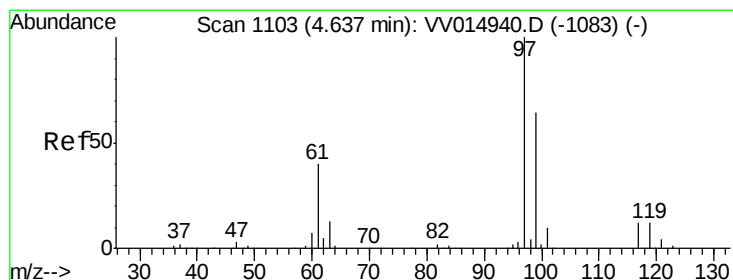
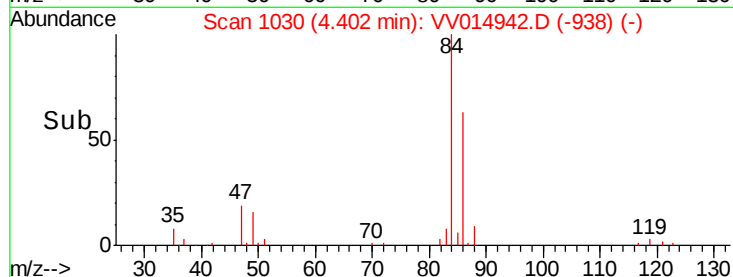
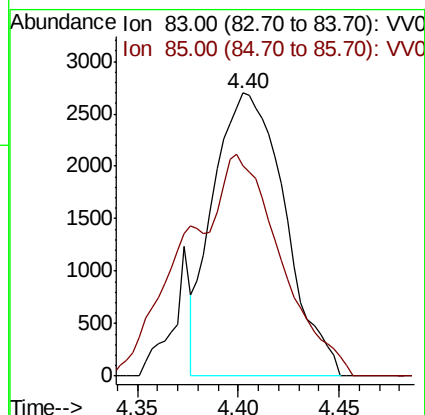
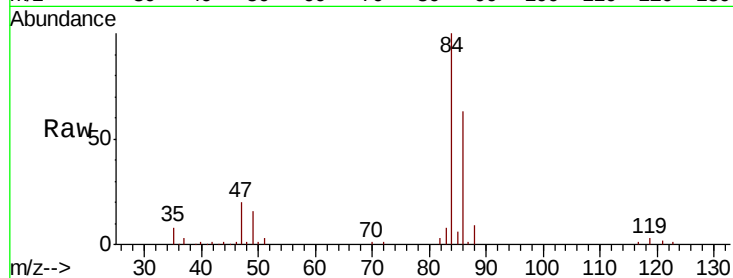




#25
Chloroform
Concen: 1.317 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV014942.D
Acq: 16 Mar 2020 13:41

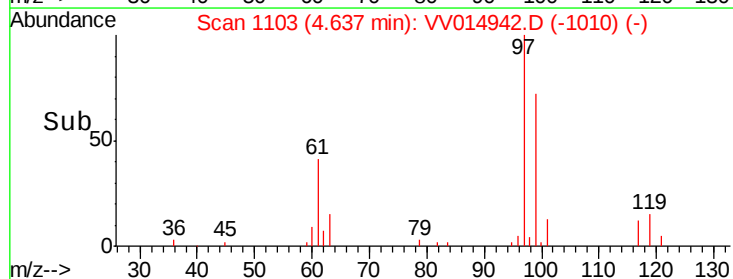
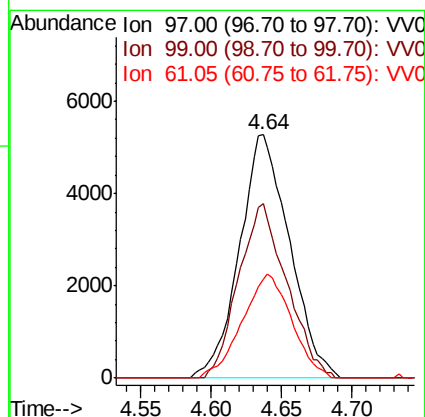
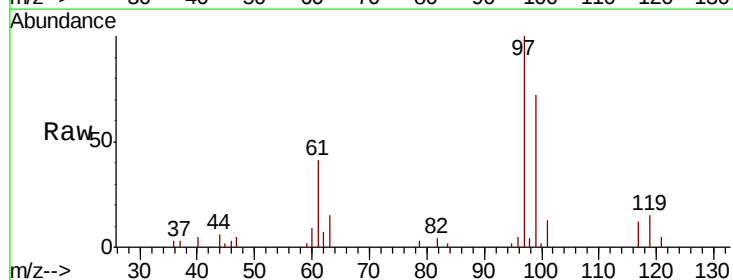
Instrument :
MSVOA_V
ClientSampleId :
CON84DL

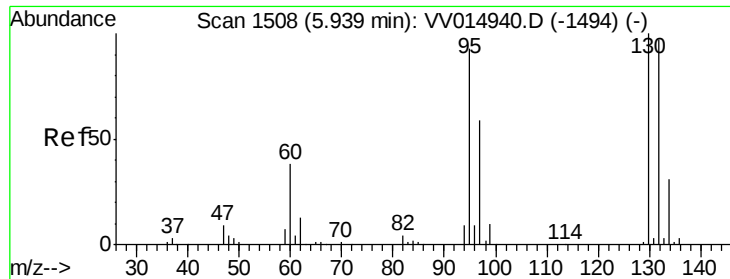
Tot Ion: 83 Resp: 6666
Ion Ratio Lower Upper
83 100
85 74.2 44.6 82.8



#30
1,1,1-Trichloroethane
Concen: 2.934 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV014942.D
Acq: 16 Mar 2020 13:41

Tgt Ion: 97 Resp: 13097
Ion Ratio Lower Upper
97 100
99 68.8 51.8 77.6
61 42.1 32.0 48.0





#34

Trichloroethene

Concen: 45.591 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV014942.D

Acq: 16 Mar 2020 13:41

Instrument :

MSVOA_V

ClientSampled :

CON84DL

Tot Ion: 95 Resp: 124958

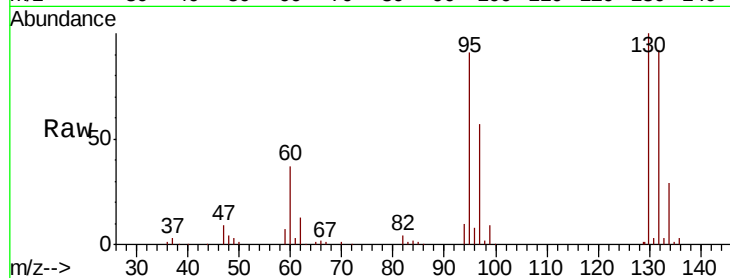
Ion Ratio Lower Upper

95 100

97 62.9 44.4 82.4

132 100.6 72.4 134.4

130 109.3 74.1 137.5

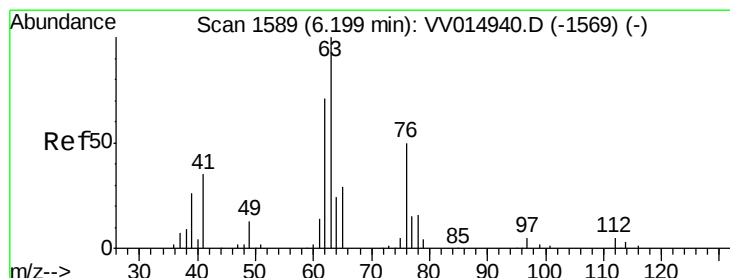
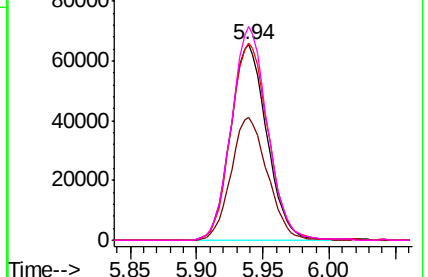
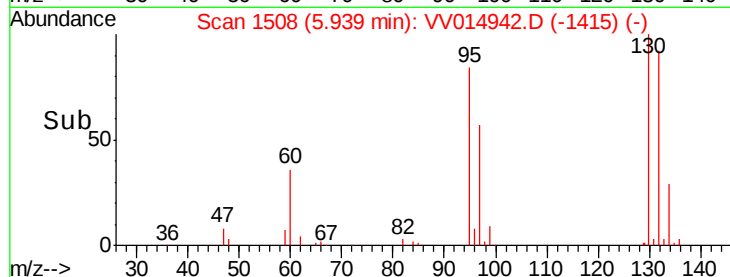


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 6.428 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.11 min

Lab File: VV014942.D

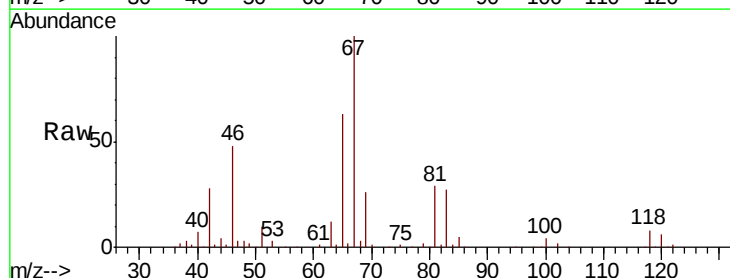
Acq: 16 Mar 2020 13:41

Tgt Ion: 63 Resp: 16450

Ion Ratio Lower Upper

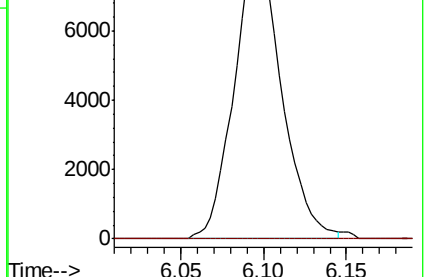
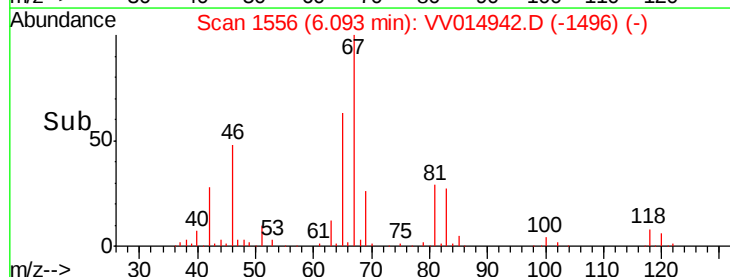
63 100

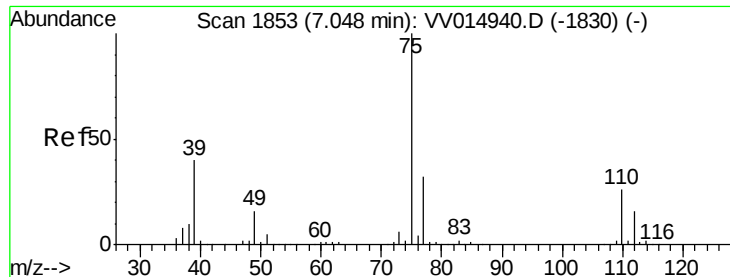
112 0.0 4.4 6.6#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

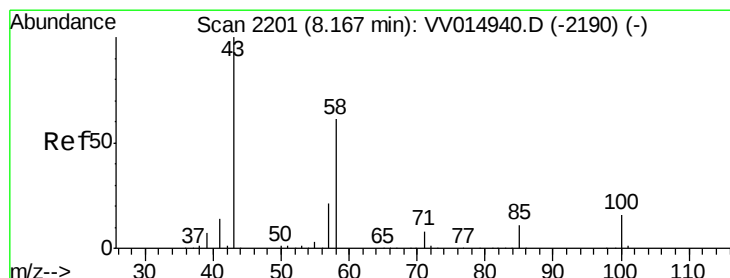
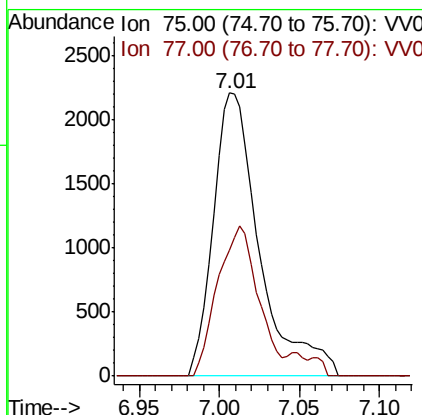
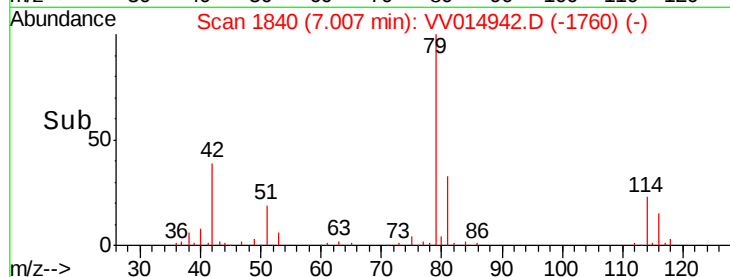
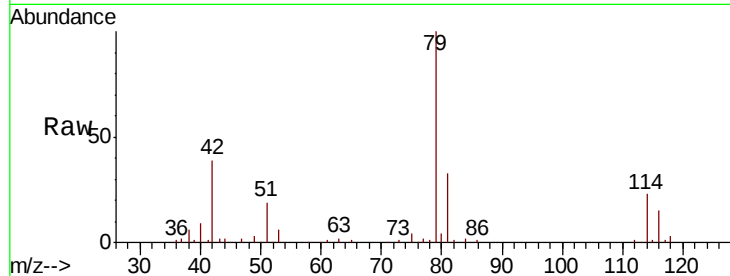




#39
 cis-1,3-Dichloropropene
 Concen: 1.041 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV014942.D
 Acq: 16 Mar 2020 13:41

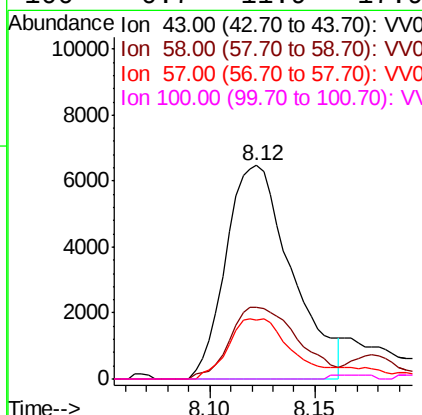
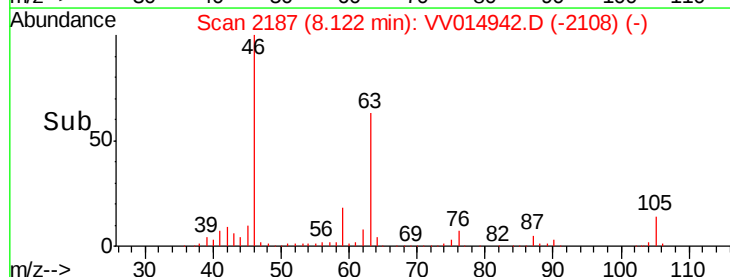
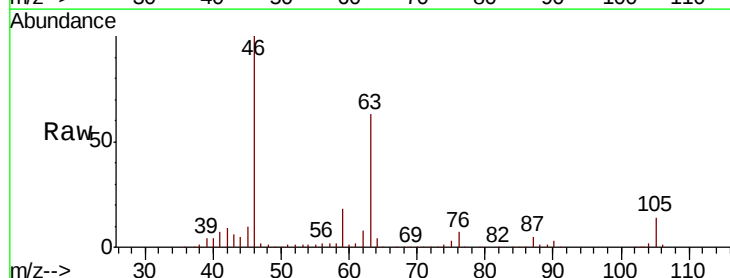
Instrument :
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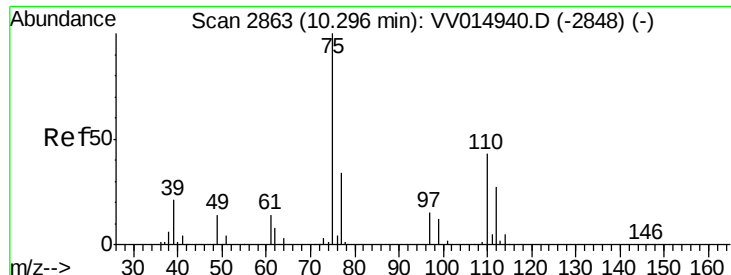
Tot Ion: 75 Resp: 4380
 Ion Ratio Lower Upper
 75 100
 77 44.3 21.8 40.6#



#48
 2-Hexanone
 Concen: 5.105 ug/L
 RT: 8.12 min Scan# 2187
 Delta R.T. -0.04 min
 Lab File: VV014942.D
 Acq: 16 Mar 2020 13:41

Tgt Ion: 43 Resp: 13960
 Ion Ratio Lower Upper
 43 100
 58 35.0 46.9 70.3#
 57 13.1 16.2 24.4#
 100 0.7 11.9 17.9#





#59

1,2,3-Trichloropropane

Concen: 5.235 ug/L

RT: 11.27 min Scan# 3165

Delta R.T. 0.97 min

Lab File: VV014942.D

Acq: 16 Mar 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

CON84DL

Tot Ion: 75 Resp: 18371

Ion Ratio Lower Upper

75 100

77 38.0 26.6 40.0

