

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101719\
 Data File : VV013185.D
 Acq On : 17 Oct 2019 22:51
 Operator : SY/MD
 Sample : K5404-05
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 03:42:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 03:32:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	475663	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	502274	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	227407	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	245270	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.59	69	189087	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.13	63	290938	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	3.95	46	285917	28.87	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	57.74%
24) Chloroform-d	4.40	84	424304	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.08	65	205067	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.10	84	840105	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.12	67	258717	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.36	98	673316	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.66	79	80749	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.14	63	289770	36.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	188741	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	254571	5.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.00%

Target Compounds

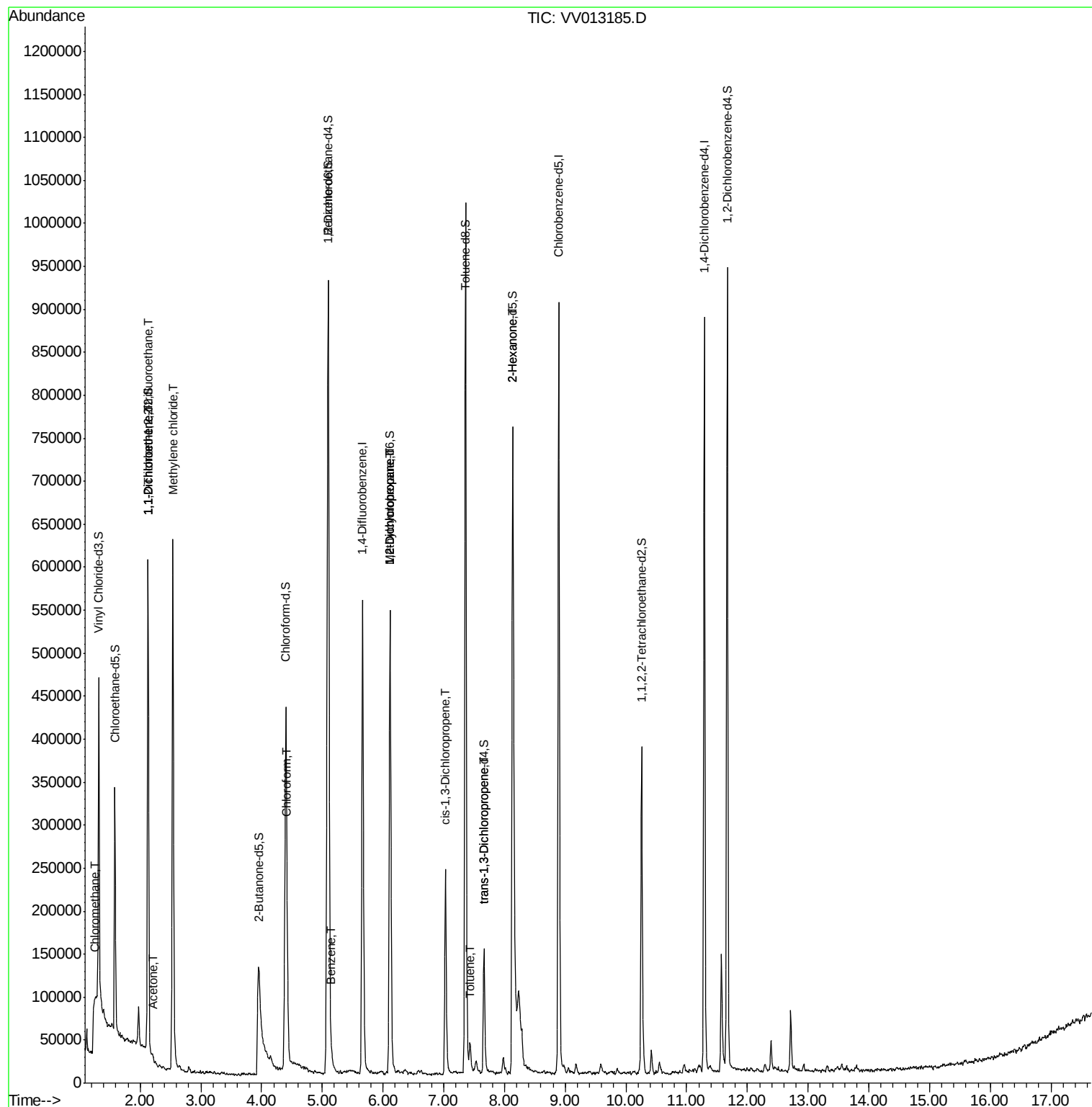
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	5329	0.084	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3187	0.077	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	3256	0.083	ug/L #	1
13) Acetone	2.21	43	12786	1.980	ug/L	60
16) Methylene chloride	2.54	84	264600	4.380	ug/L	96
25) Chloroform	4.43	83	24075	0.252	ug/L	95
33) Benzene	5.15	78	12811	0.064	ug/L	100
35) Methylcyclohexane	6.12	83	61355	0.747	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	27085	0.557	ug/L #	90
39) cis-1,3-Dichloropropene	7.03	75	6151	0.092	ug/L #	65
42) Toluene	7.43	91	21834	0.105	ug/L	98
44) trans-1,3-Dichloropropene	7.66	75	3483	0.069	ug/L #	53
48) 2-Hexanone	8.14	43	47928	2.449	ug/L #	80

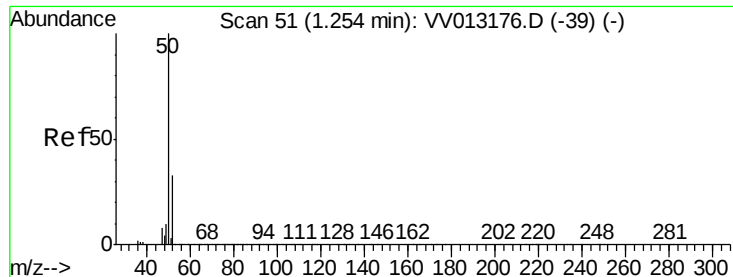
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.084 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV013185.D

Acq: 17 Oct 2019 22:51

Instrument :

MSVOA_V

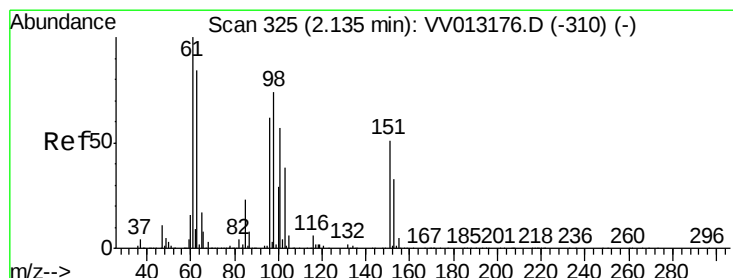
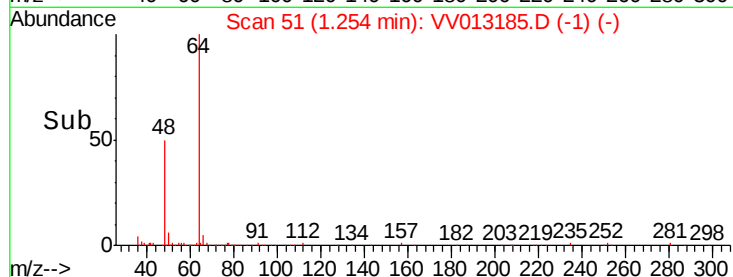
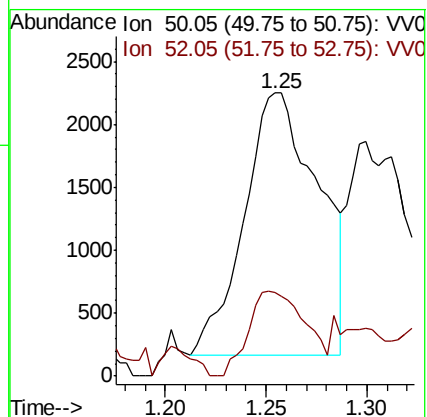
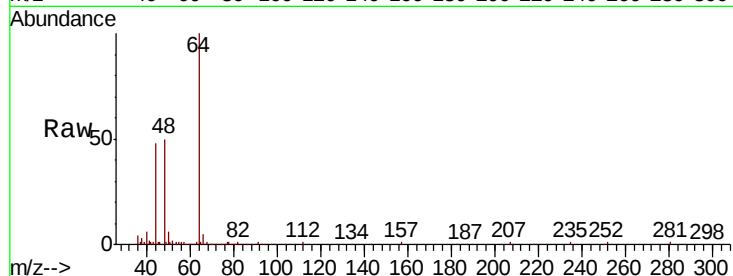
ClientSampled :

Tot Ion: 50 Resp: 5329

Ion Ratio Lower Upper

50 100

52 29.4 23.0 42.8



#10

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

Concen: 0.077 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013185.D

Acq: 17 Oct 2019 22:51

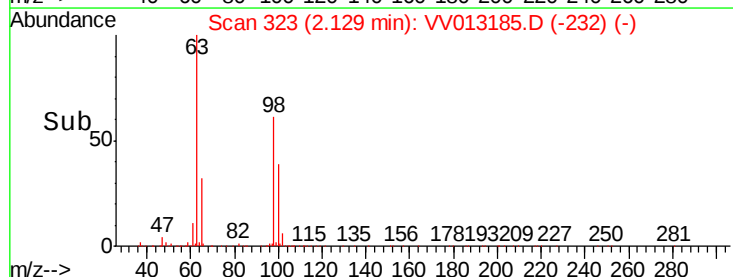
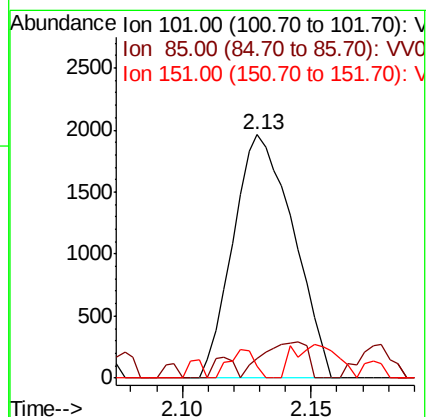
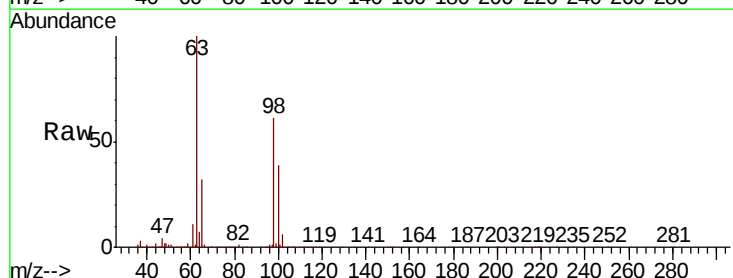
Tgt Ion: 101 Resp: 3187

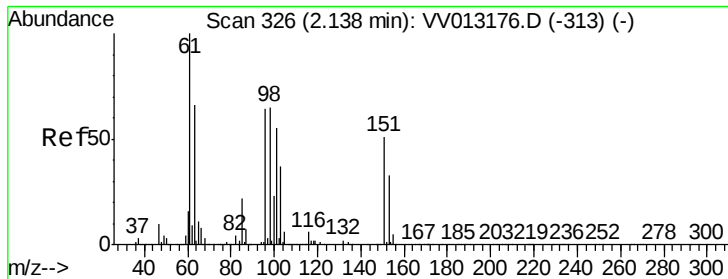
Ion Ratio Lower Upper

101 100

85 2.8 32.4 48.6#

151 5.0 71.9 107.9#





#12

1,1-Dichloroethene

Concen: 0.083 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013185.D

Acq: 17 Oct 2019 22:51

Instrument :

MSVOA_V

ClientSampleId :

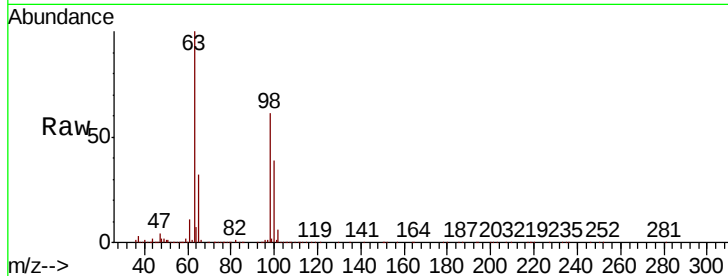
Tot Ion: 96 Resp: 3256

Ion Ratio Lower Upper

96 100

61 1108.0 109.8 204.0#

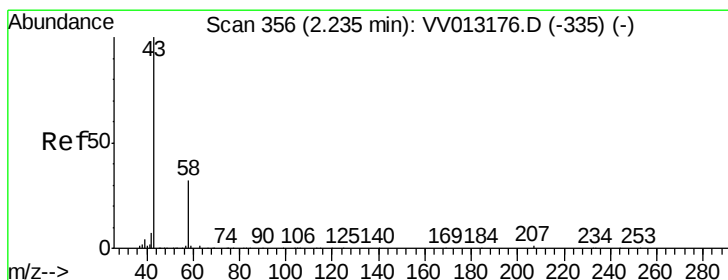
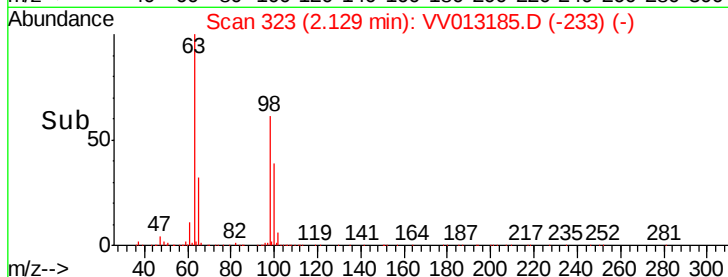
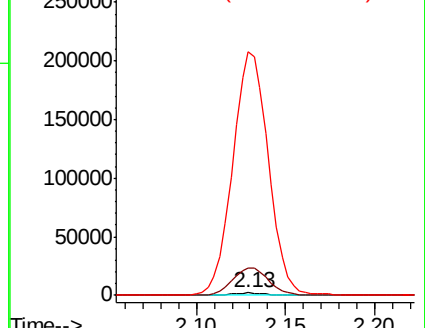
63 9710.7 72.6 134.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 1.980 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.03 min

Lab File: VV013185.D

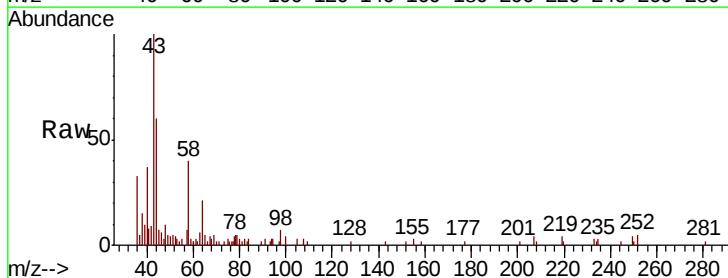
Acq: 17 Oct 2019 22:51

Tgt Ion: 43 Resp: 12786

Ion Ratio Lower Upper

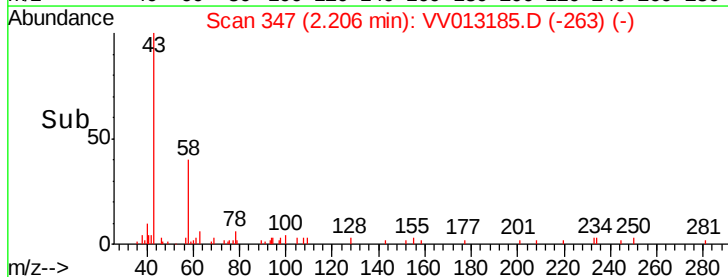
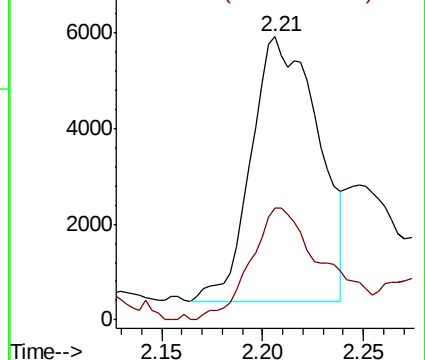
43 100

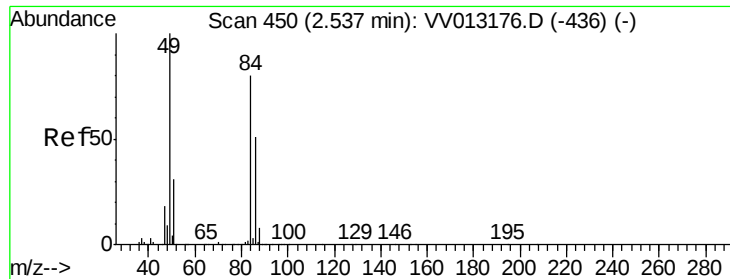
58 46.4 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

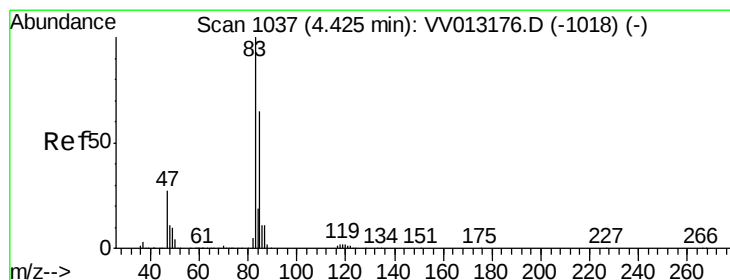
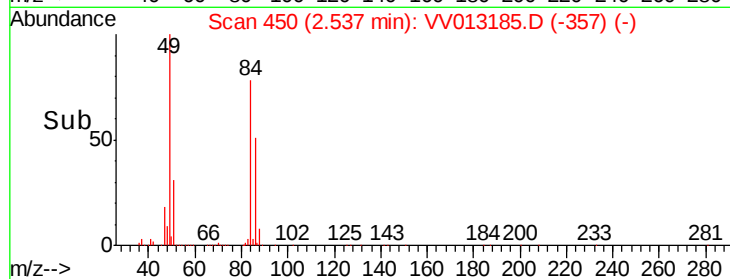
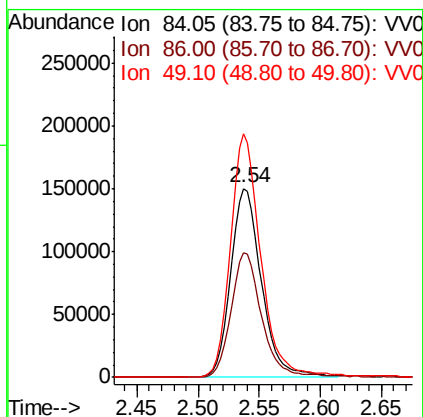
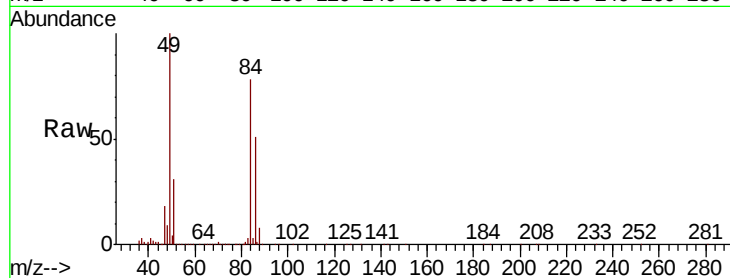




#16
Methvlene chloride
Concen: 4.380 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV013185.D
Acq: 17 Oct 2019 22:51

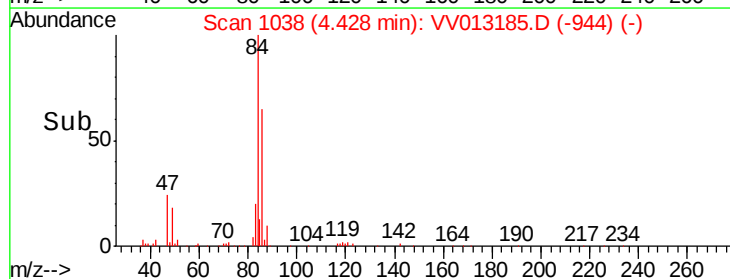
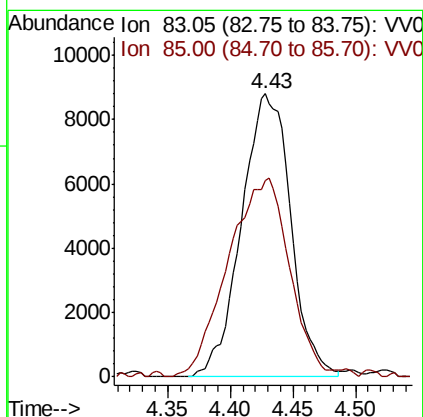
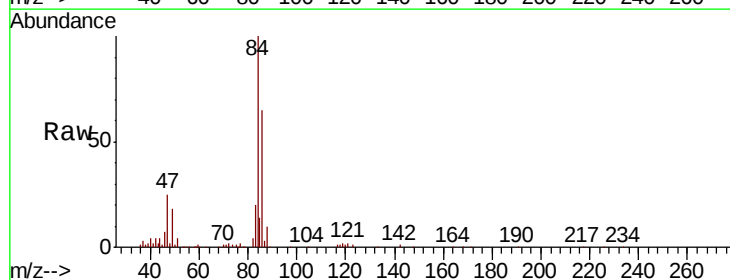
Instrument :
MSVOA_V
ClientSampleId :

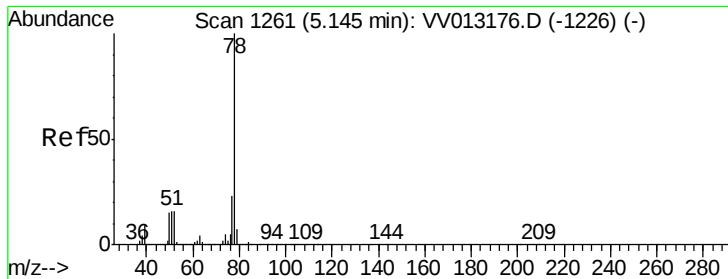
Tot Ion: 84 Resp: 264600
Ion Ratio Lower Upper
84 100
86 66.2 44.5 82.7
49 128.9 87.3 162.1



#25
Chloroform
Concen: 0.252 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV013185.D
Acq: 17 Oct 2019 22:51

Tgt Ion: 83 Resp: 24075
Ion Ratio Lower Upper
83 100
85 69.2 45.5 84.5

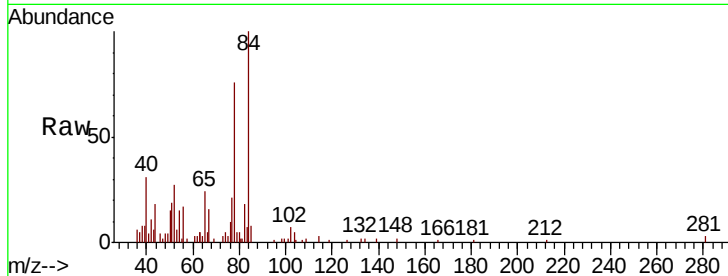




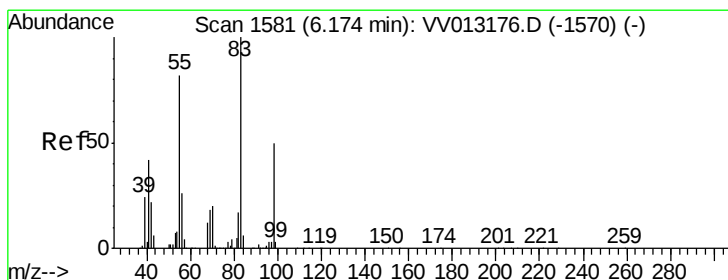
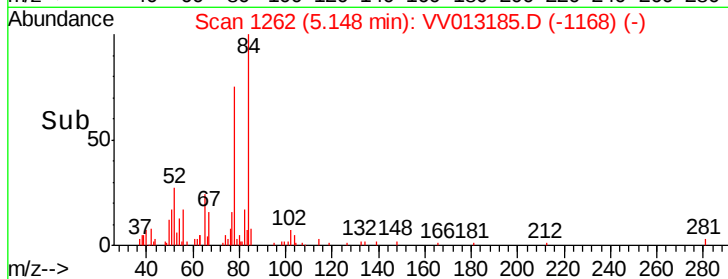
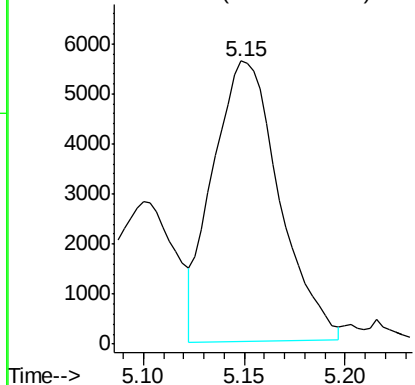
#33
Benzene
Concen: 0.064 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV013185.D
Acq: 17 Oct 2019 22:51

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 12811

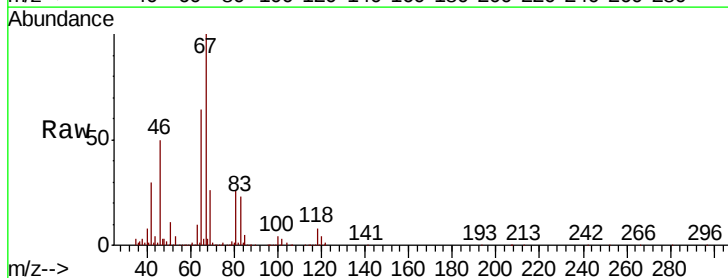


Abundance Ion 78.10 (77.80 to 78.80): VV0

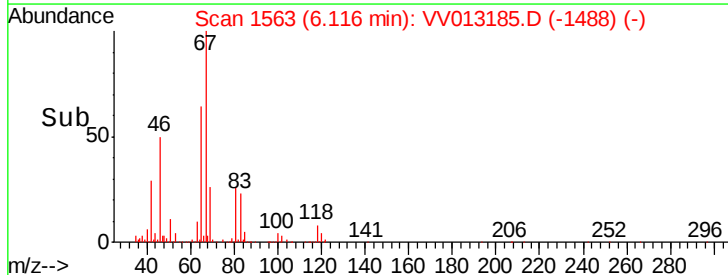
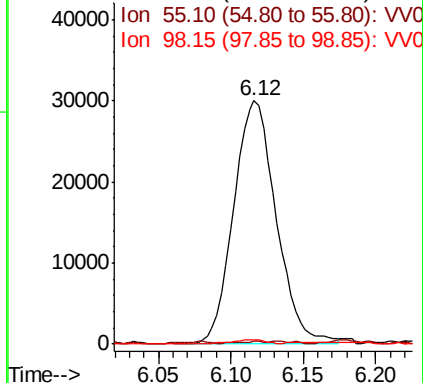


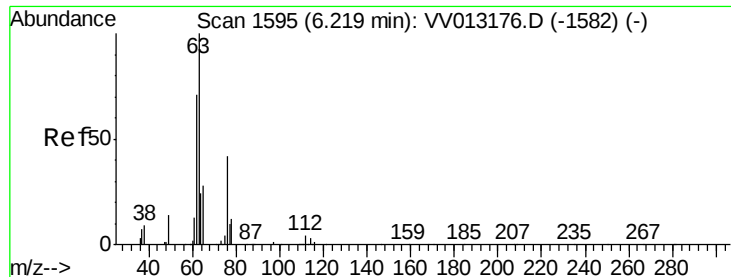
#35
Methylcyclohexane
Concen: 0.747 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV013185.D
Acq: 17 Oct 2019 22:51

Tgt Ion: 83 Resp: 61355
Ion Ratio Lower Upper
83 100
55 0.2 64.0 96.0#
98 1.4 38.6 57.8#



Abundance Ion 83.15 (82.85 to 83.85): VV0





#37

1,2-Dichloropropane

Concen: 0.557 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013185.D

Acq: 17 Oct 2019 22:51

Instrument :

MSVOA_V

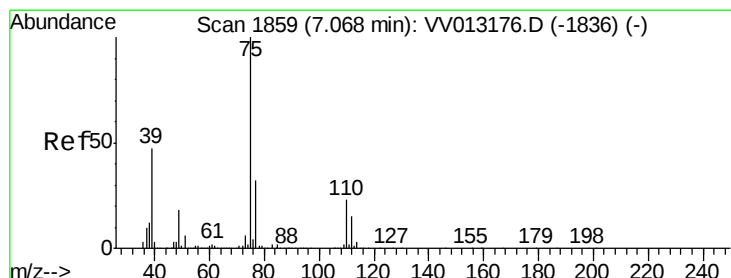
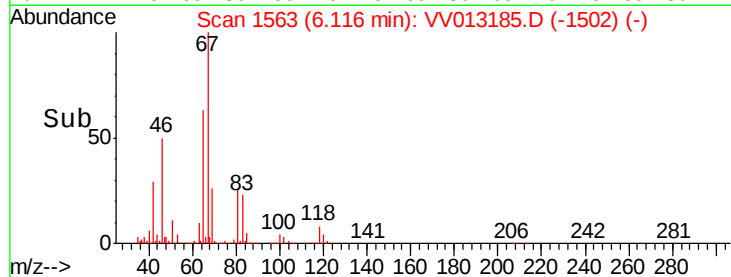
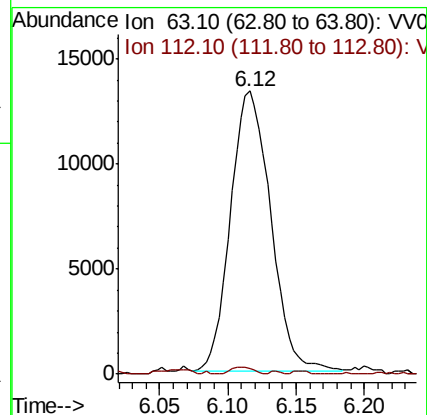
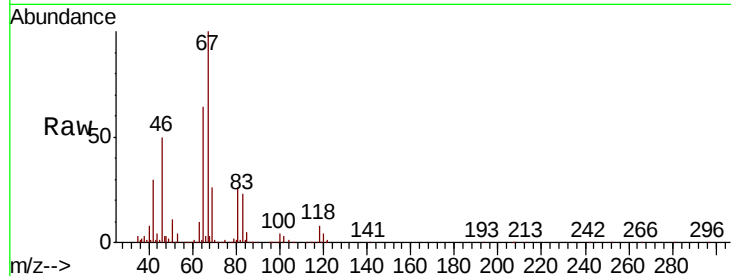
ClientSampleId :

Tot Ion: 63 Resp: 27085

Ion Ratio Lower Upper

63 100

112 1.5 3.8 5.8#



#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV013185.D

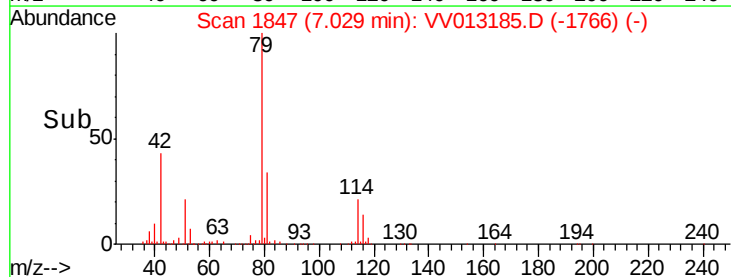
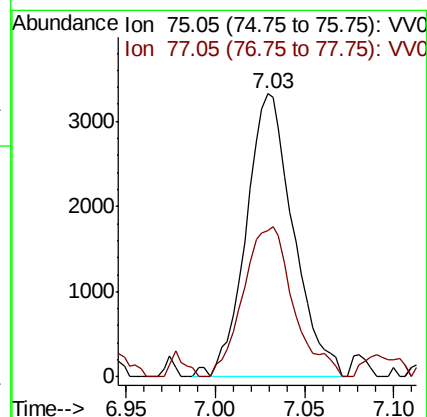
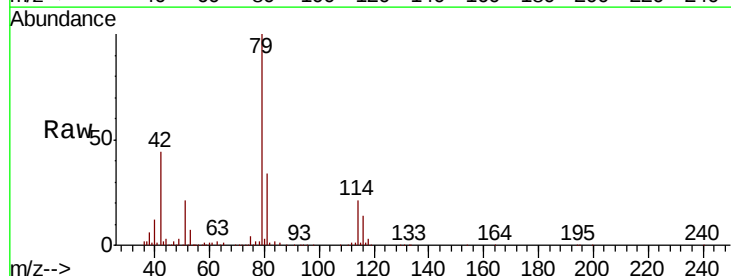
Acq: 17 Oct 2019 22:51

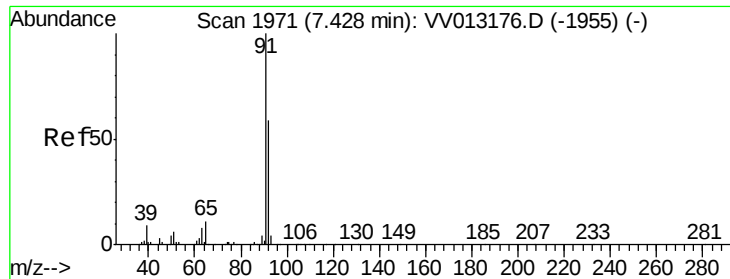
Tgt Ion: 75 Resp: 6151

Ion Ratio Lower Upper

75 100

77 51.7 22.6 42.0#





#42

Toluene

Concen: 0.105 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013185.D

Acq: 17 Oct 2019 22:51

Instrument :

MSVOA_V

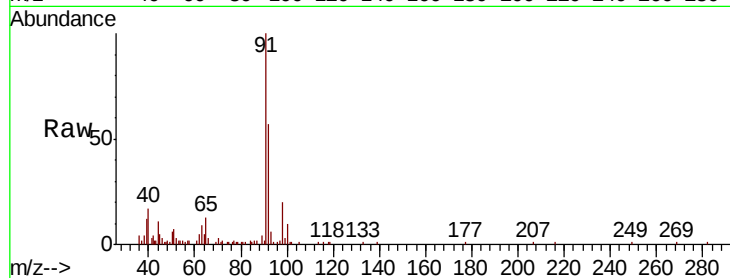
ClientSampleId :

Tot Ion: 91 Resp: 21834

Ion Ratio Lower Upper

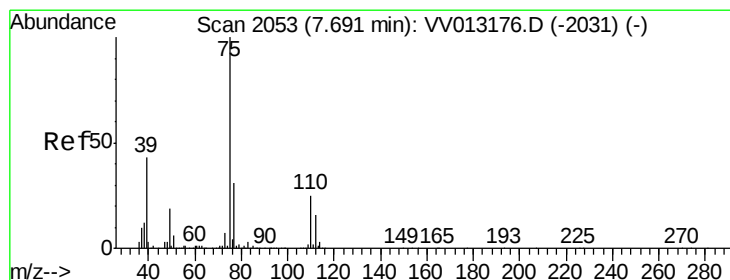
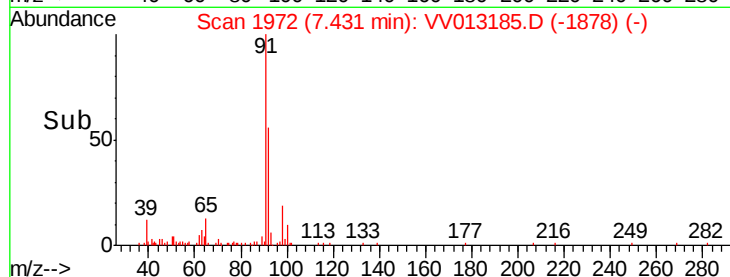
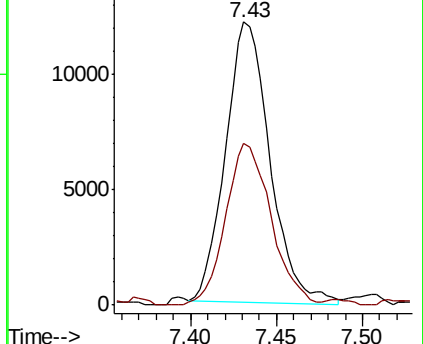
91 100

92 57.2 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013185.D

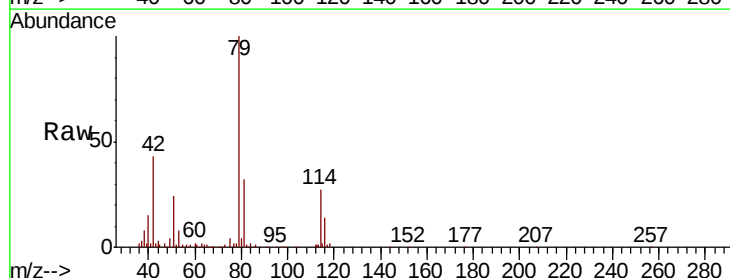
Acq: 17 Oct 2019 22:51

Tgt Ion: 75 Resp: 3483

Ion Ratio Lower Upper

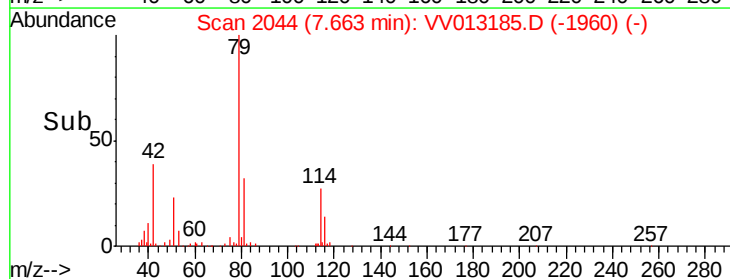
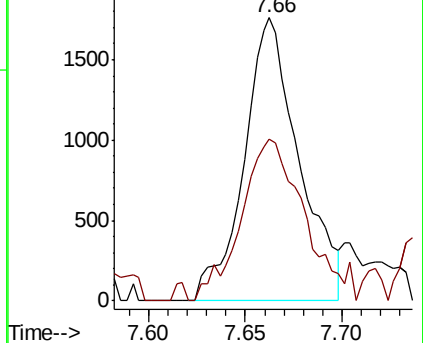
75 100

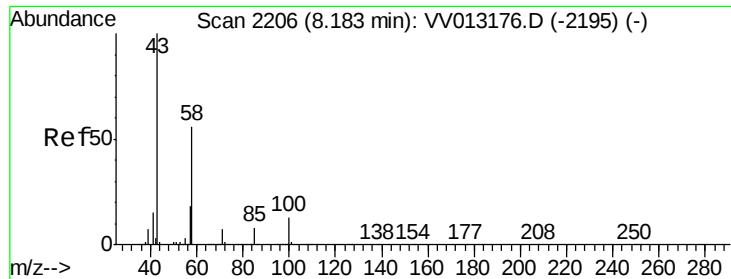
77 57.0 21.8 40.4#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#48

2-Hexanone

Concen: 2.449 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.04 min

Lab File: VV013185.D

Acq: 17 Oct 2019 22:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 47928

Ion Ratio Lower Upper

43 100

58 40.7 44.2 66.2#

57 26.8 14.5 21.7#

100 4.1 9.5 14.3#

