

Data File : VV013540.D
Acq On : 08 Nov 2019 15:38
Operator : SY/MD
Sample : VV1108WBL01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK49

Quant Time: Nov 08 22:53:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR110819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 08 22:42:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	441910	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	432164	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	185531	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92342	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.58	69	82706	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.13	63	115206	3.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.60%
20) 2-Butanone-d5	3.96	46	342139	51.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.48%
24) Chloroform-d	4.40	84	221969	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.08	65	130774	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.10	84	435470	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.12	67	151451	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.36	98	338172	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.66	79	52065	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.14	63	194602	42.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	108367	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	169712	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

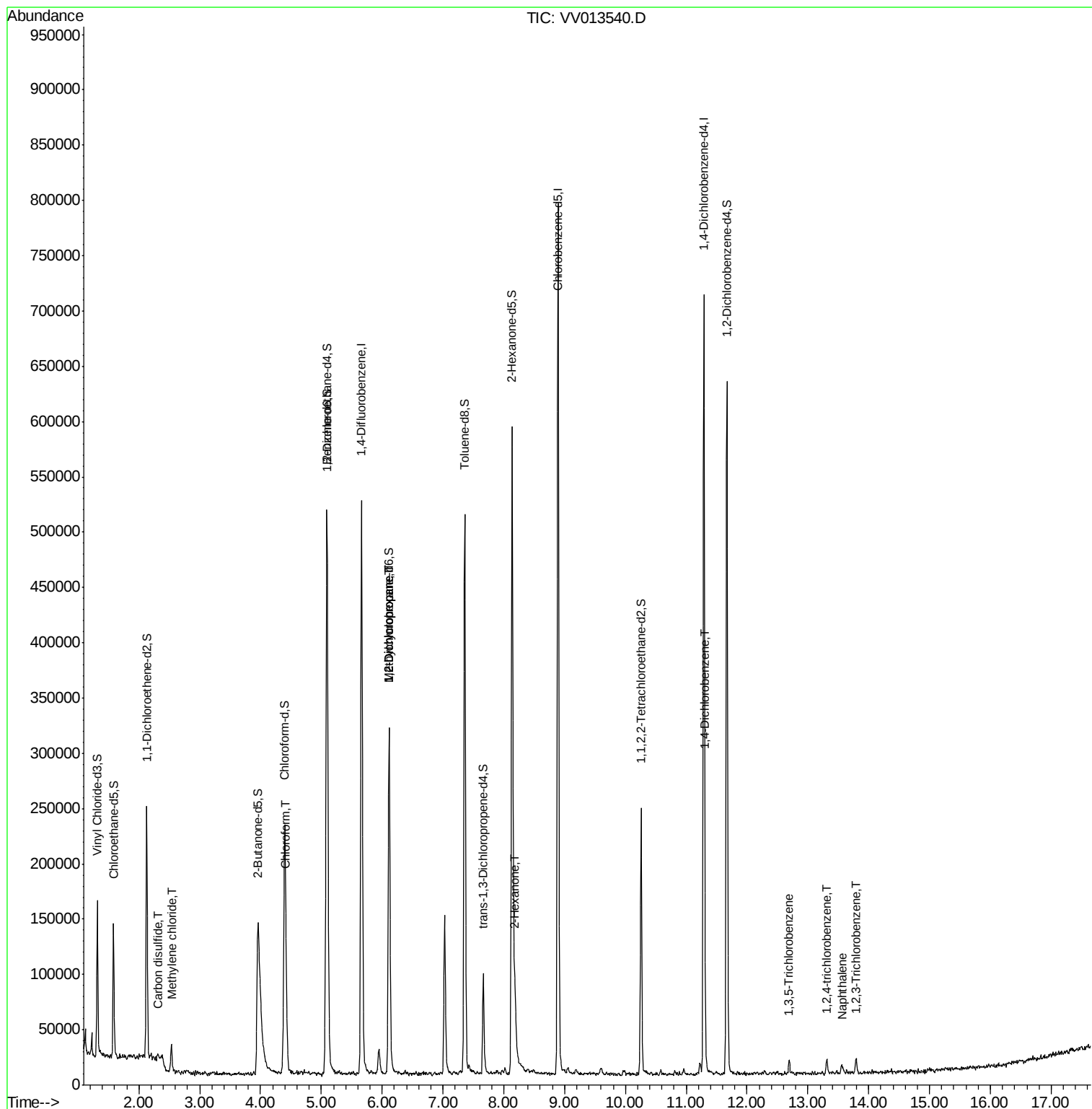
					Qvalue
14) Carbon disulfide	2.32	76	3581	0.045 ug/L #	83
16) Methylene chloride	2.53	84	10292	0.296 ug/L	97
25) Chloroform	4.42	83	32159	0.479 ug/L	92
35) Methylcyclohexane	6.11	83	36751	0.668 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	16532	0.501 ug/L #	91
48) 2-Hexanone	8.19	43	32454	2.413 ug/L #	91
63) 1,4-Dichlorobenzene	11.31	146	4608	0.074 ug/L #	87
67) 1,3,5-Trichlorobenzene	12.69	180	4036	0.083 ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	3939	0.102 ug/L #	80
69) Naphthalene	13.55	128	6943	0.133 ug/L	96
70) 1,2,3-Trichlorobenzene	13.79	180	3666	0.101 ug/L	95

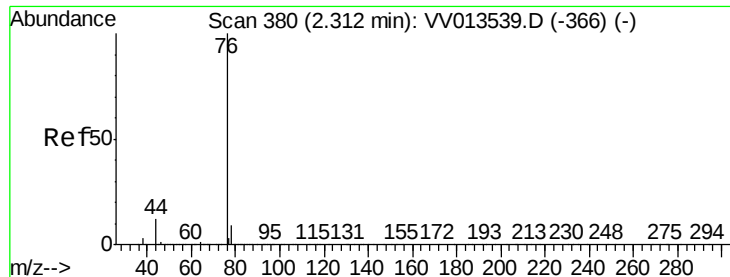
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Carbon disulfide

Concen: 0.045 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013540.D

Acq: 08 Nov 2019 15:38

Instrument :

MSVOA_V

ClientSampled :

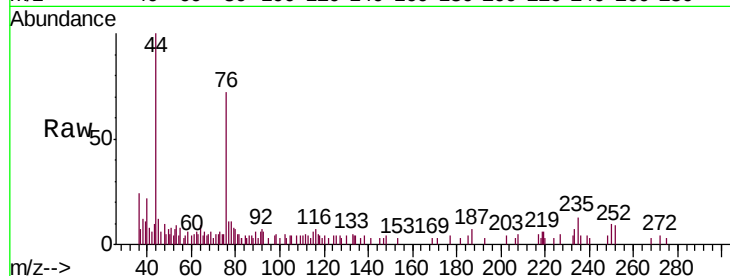
VBLK49

Tgt Ion: 76 Resp: 3581

Ion Ratio Lower Upper

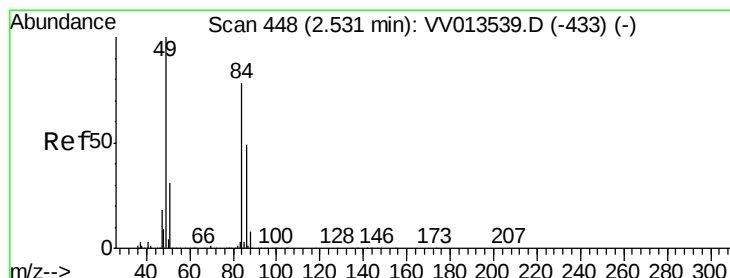
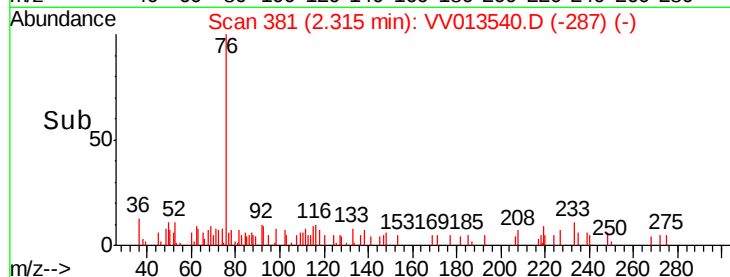
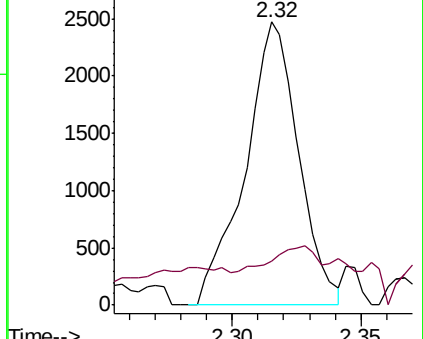
76 100

78 15.7 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.296 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013540.D

Acq: 08 Nov 2019 15:38

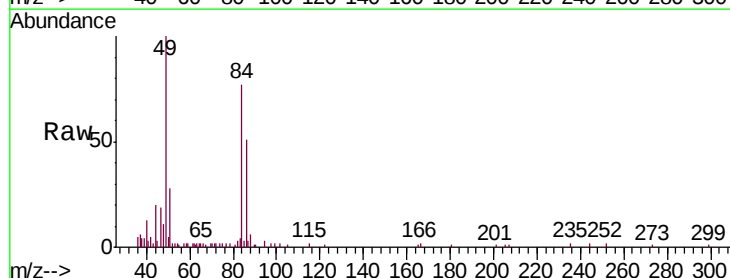
Tgt Ion: 84 Resp: 10292

Ion Ratio Lower Upper

84 100

86 65.8 44.2 82.2

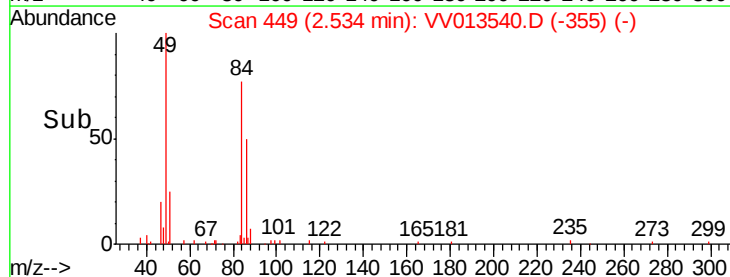
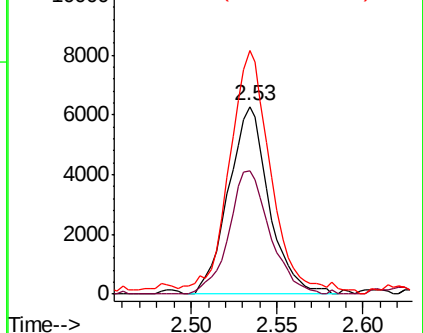
49 129.8 88.8 164.8

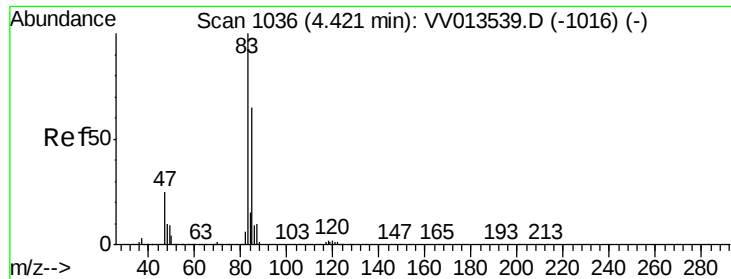


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#25

Chloroform

Concen: 0.479 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

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Acq: 08 Nov 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

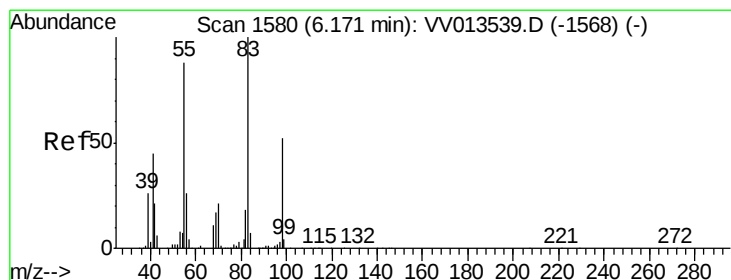
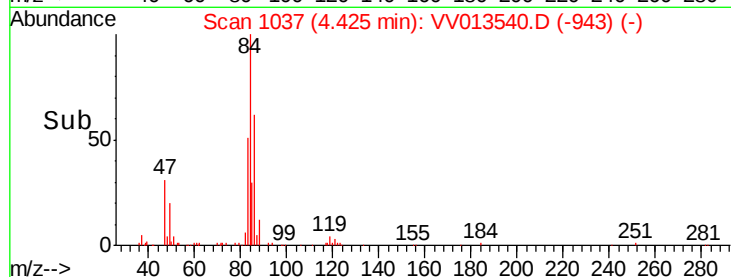
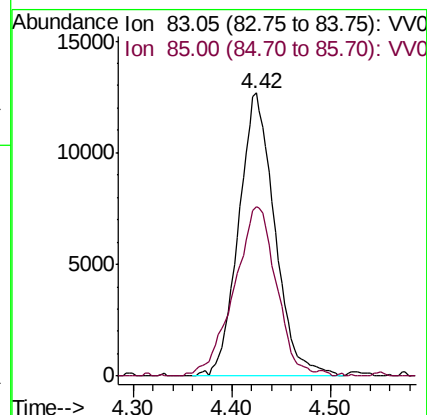
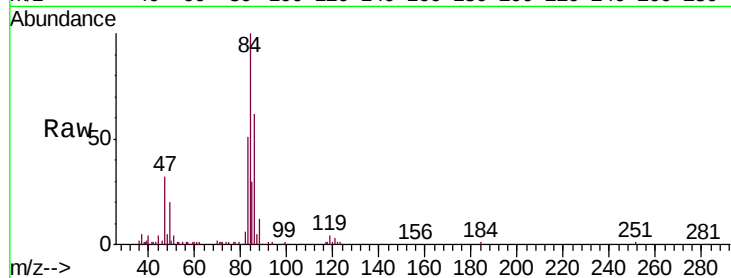
VBLK49

Tgt Ion: 83 Resp: 32159

Ion Ratio Lower Upper

83 100

85 59.7 46.3 86.1



#35

Methylcyclohexane

Concen: 0.668 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013540.D

Acq: 08 Nov 2019 15:38

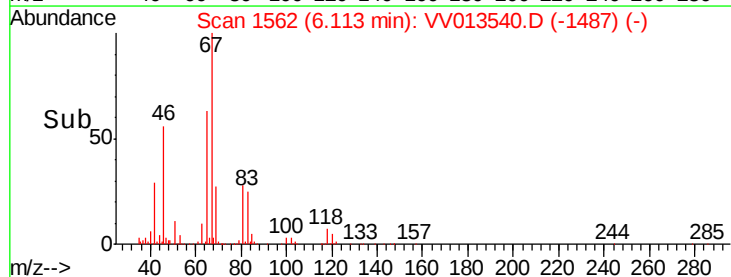
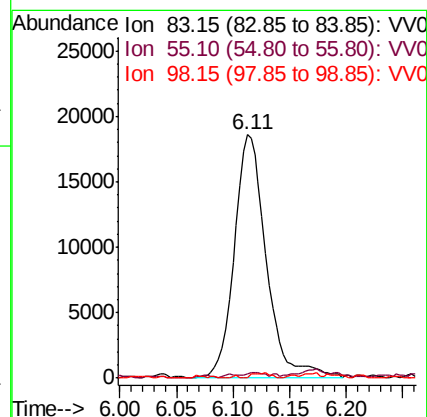
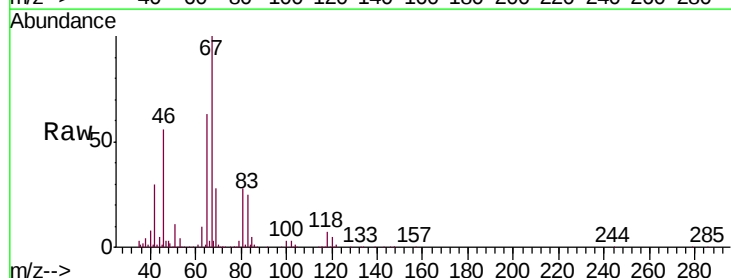
Tgt Ion: 83 Resp: 36751

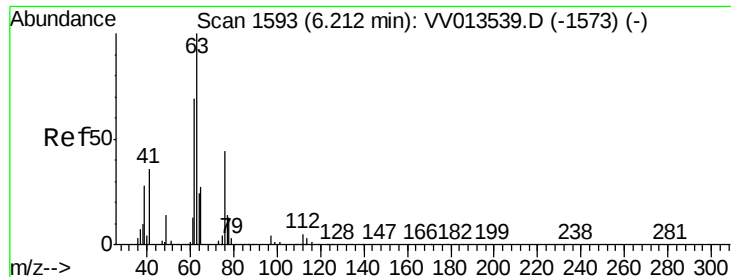
Ion Ratio Lower Upper

83 100

55 1.2 63.8 95.8#

98 0.0 38.4 57.6#

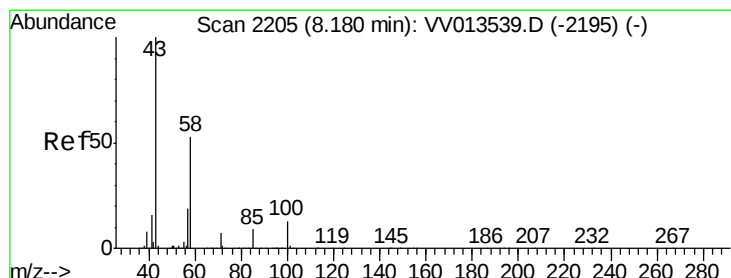
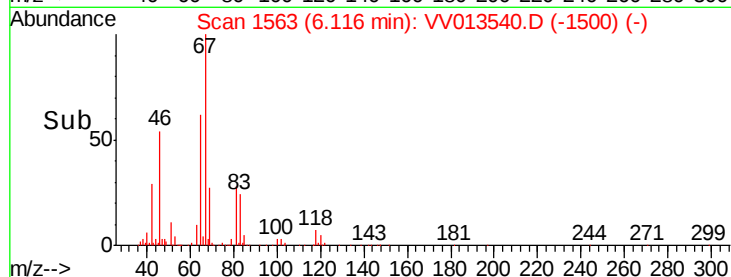
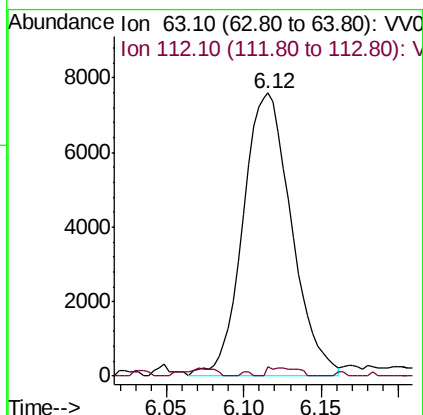
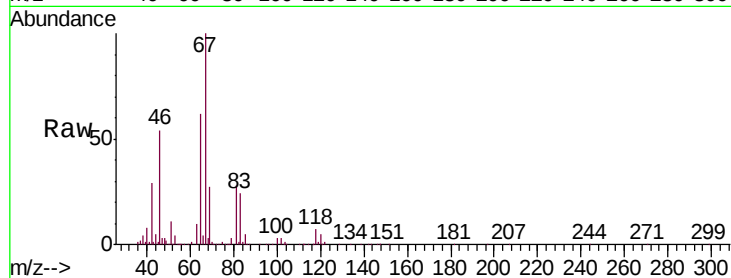




#37
 1,2-Dichloropropane
 Concen: 0.501 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013540.D
 Acq: 08 Nov 2019 15:38

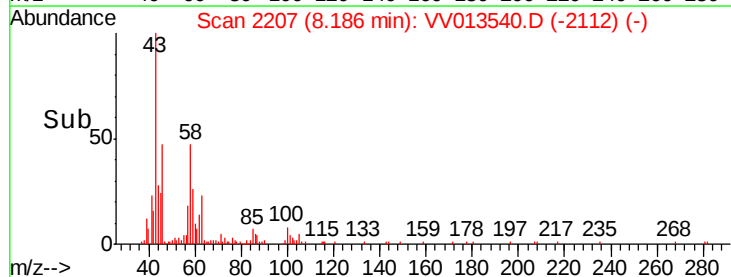
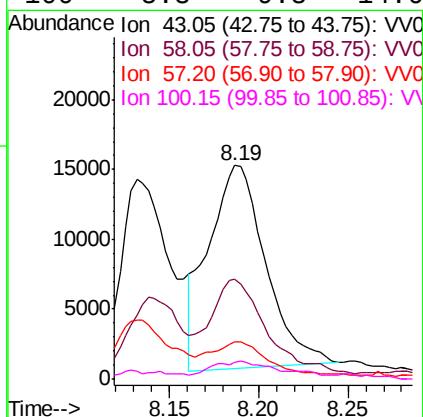
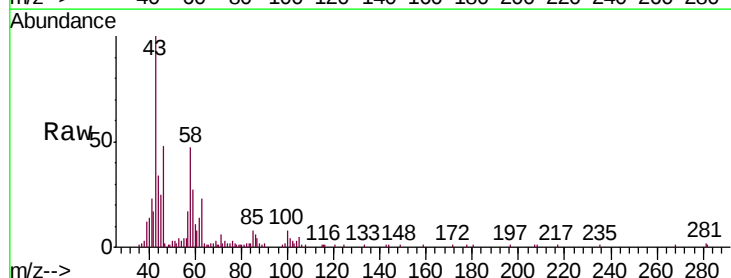
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK49

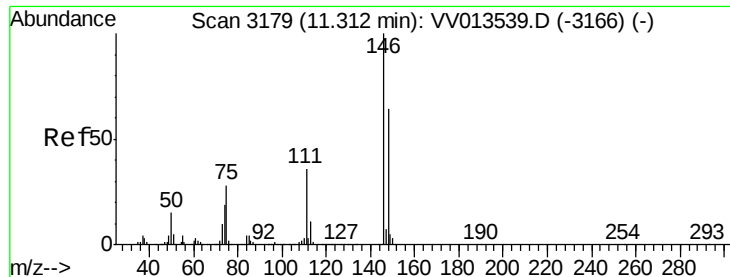
Tgt Ion: 63 Resp: 16532
 Ion Ratio Lower Upper
 63 100
 112 1.8 3.8 5.6#



#48
 2-Hexanone
 Concen: 2.413 ug/L
 RT: 8.19 min Scan# 2207
 Delta R.T. 0.01 min
 Lab File: VV013540.D
 Acq: 08 Nov 2019 15:38

Tgt Ion: 43 Resp: 32454
 Ion Ratio Lower Upper
 43 100
 58 48.7 43.8 65.8
 57 16.2 15.0 22.6
 100 5.8 9.8 14.6#





#63

1,4-Dichlorobenzene

Concen: 0.074 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013540.D

Acq: 08 Nov 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

VBLK49

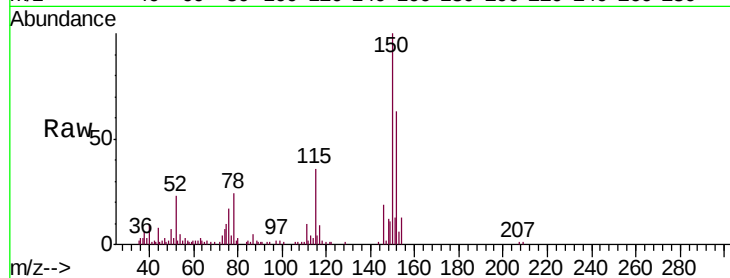
Tgt Ion:146 Resp: 4608

Ion Ratio Lower Upper

146 100

111 54.5 25.2 46.8#

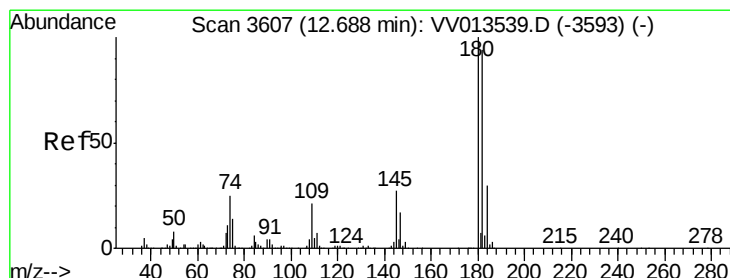
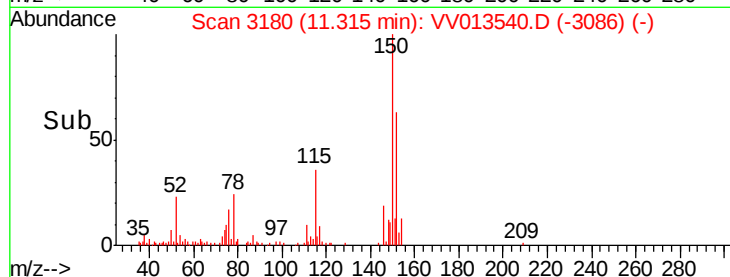
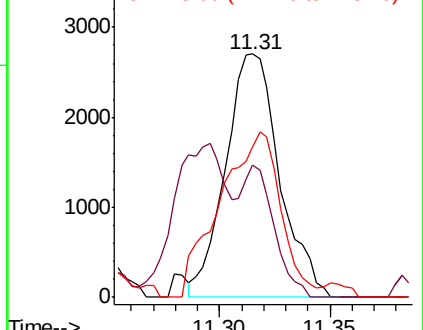
148 61.9 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 0.083 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.01 min

Lab File: VV013540.D

Acq: 08 Nov 2019 15:38

Tgt Ion:180 Resp: 4036

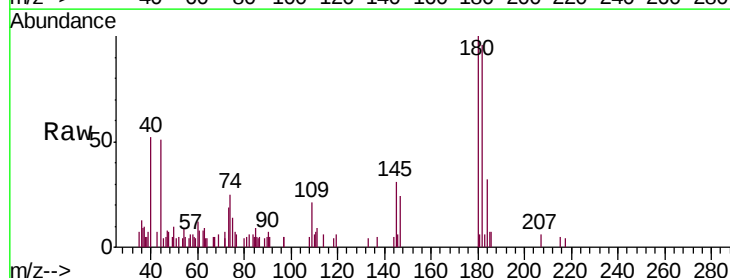
Ion Ratio Lower Upper

180 100

182 94.0 76.8 115.2

184 33.4 25.0 37.6

145 32.4 22.1 33.1

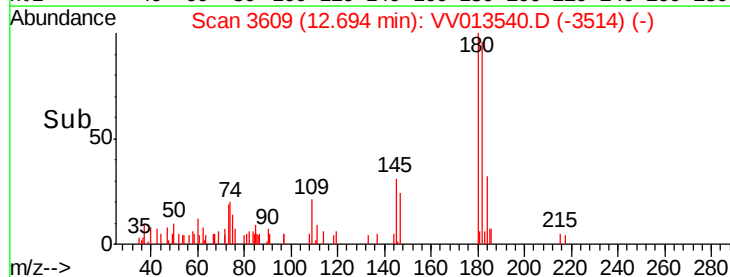
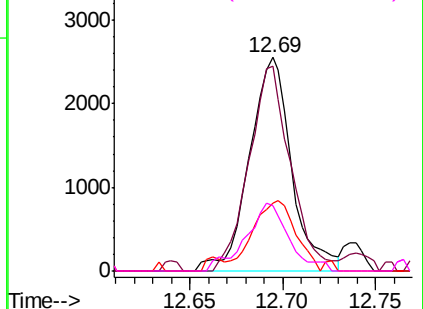


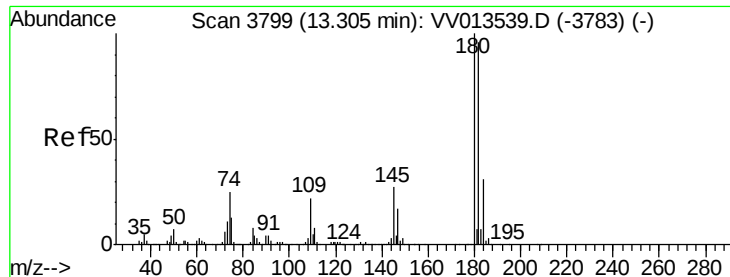
Abundance Ion 180.00 (179.70 to 180.70): V

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

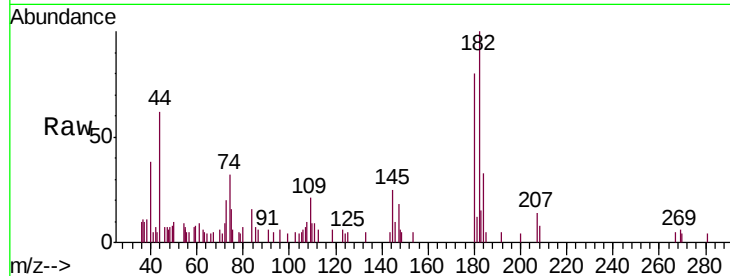




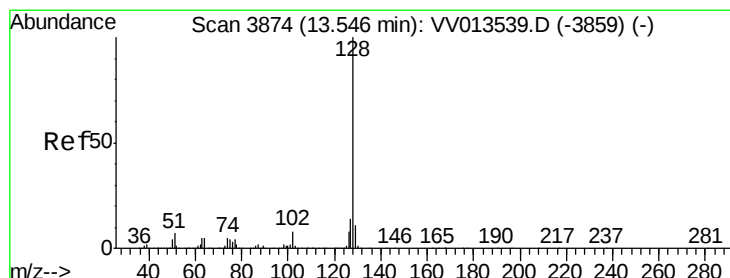
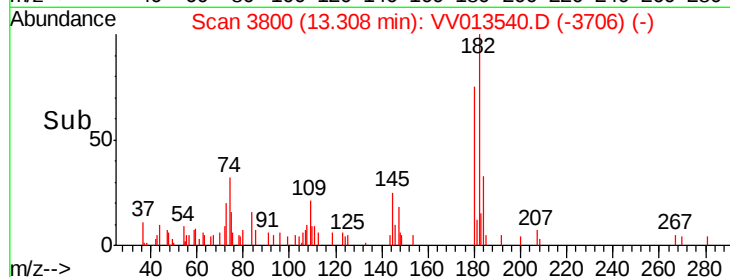
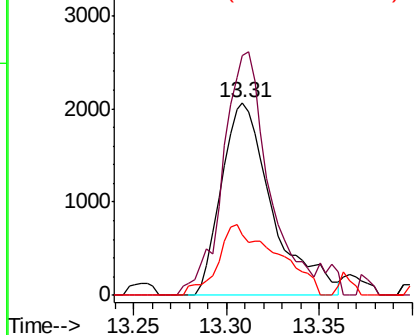
#68
 1,2,4-trichlorobenzene
 Concen: 0.102 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013540.D
 Acq: 08 Nov 2019 15:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK49

Tgt Ion:180 Resp: 3939
 Ion Ratio Lower Upper
 180 100
 182 113.1 76.6 115.0
 145 42.4 22.2 33.4#

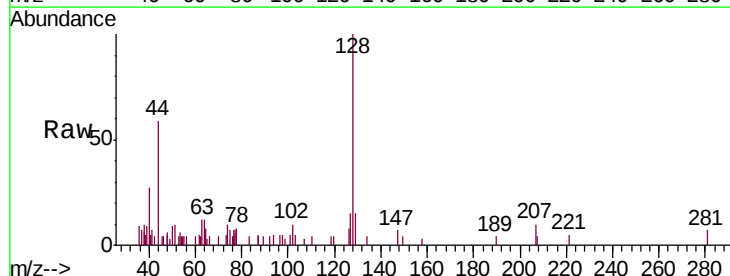


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

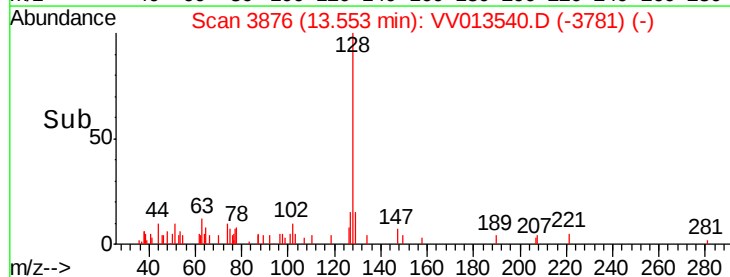
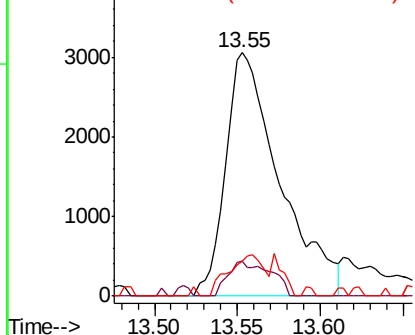


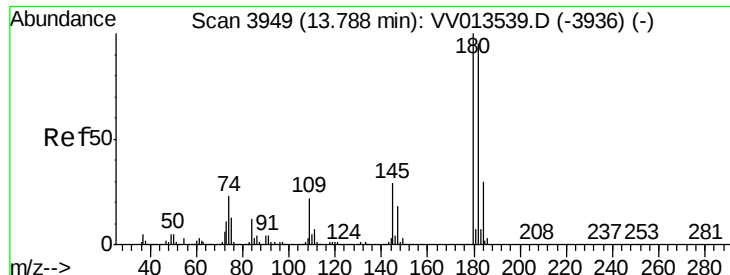
#69
 Naphthalene
 Concen: 0.133 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.01 min
 Lab File: VV013540.D
 Acq: 08 Nov 2019 15:38

Tgt Ion:128 Resp: 6943
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.5 12.7
 127 11.0 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.101 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013540.D
 Acq: 08 Nov 2019 15:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.6	76.2	114.4
145	32.9	23.2	34.8

