

Data File : VV009970.D
Acq On : 28 Mar 2019 17:12
Operator : SY/MD
Sample : K2101-21
Misc : 5.85G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0LORE

Quant Time: Mar 29 02:24:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 29 02:19:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	111374	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	94954	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	29076	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60375	26.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.84%
7) Chloroethane-d5	1.57	69	64155	26.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.12%
10) 1,1-Dichloroethene-d2	2.13	63	130584	21.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.48%
20) 2-Butanone-d5	3.93	46	28639	68.00	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.00%#
24) Chloroform-d	4.40	84	60762	21.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.64%
26) 1,2-Dichloroethane-d4	5.08	65	48715	28.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	114.12%
29) Benzene-d6	5.10	84	147776	29.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.52%
33) 1,2-Dichloropropane-d6	6.12	67	43551	29.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.40%
37) Toluene-d8	7.36	98	121198	25.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.72%
38) trans-1,3-Dichloropropene-	7.66	79	15318	25.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.68%
39) 2-Hexanone-d5	8.13	63	19020	69.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.70%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	43524	30.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.52%#
61) 1,2-Dichlorobenzene-d4	11.68	152	29233	26.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.64%

Target Compounds

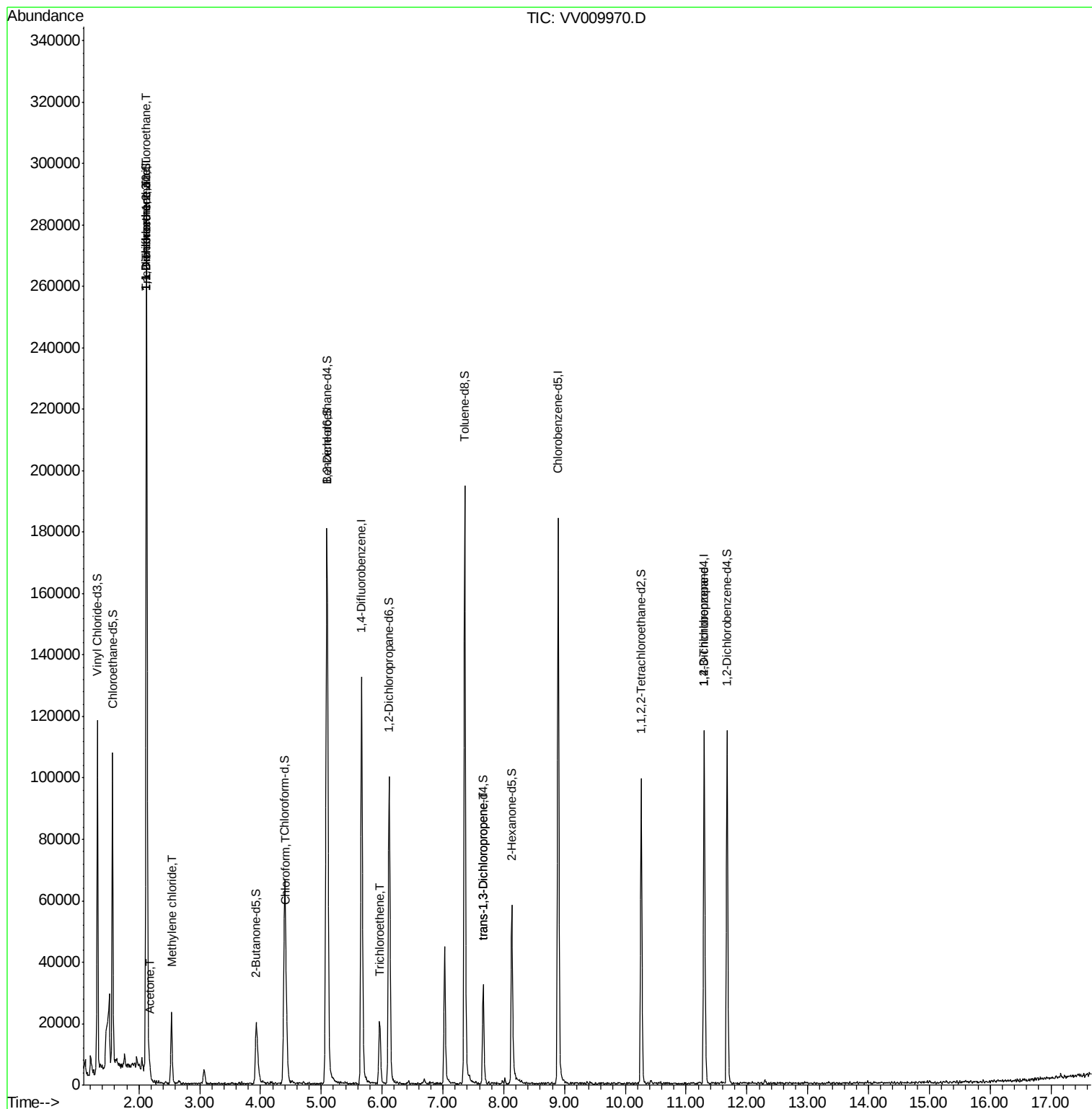
						Qvalue
9) Trichlorofluoromethane	2.13	101	11141	2.016	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	11141	3.469	ug/L	95
12) 1,1-Dichloroethene	2.13	96	1436	0.527	ug/L #	1
13) Acetone	2.18	43	1041	1.633	ug/L	98
16) Methylene chloride	2.54	84	8965	4.888	ug/L	98
25) Chloroform	4.43	83	12509	4.239	ug/L	99
35) Trichloroethene	5.96	95	6108	4.441	ug/L	91
45) trans-1,3-Dichloropropene	7.67	75	1143	0.735	ug/L	93
59) 1,2,3-Trichloropropane	11.30	75	5021	4.790	ug/L	94

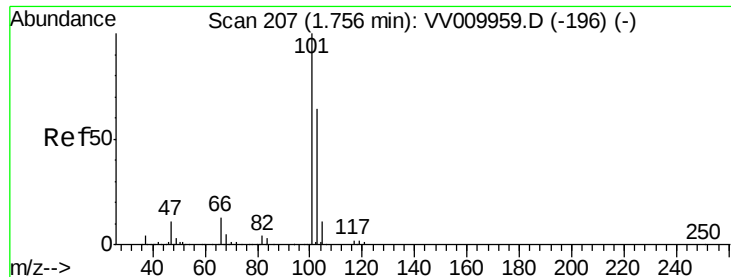
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 2.016 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.38 min

Lab File: VV009970.D

Acq: 28 Mar 2019 17:12

Instrument :

MSVOA_V

ClientSampleId :

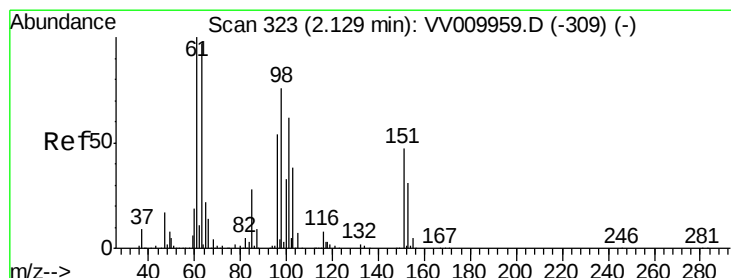
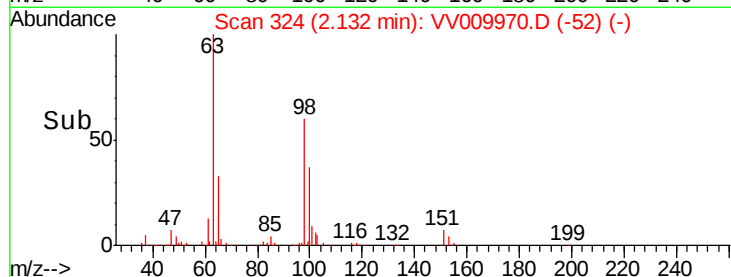
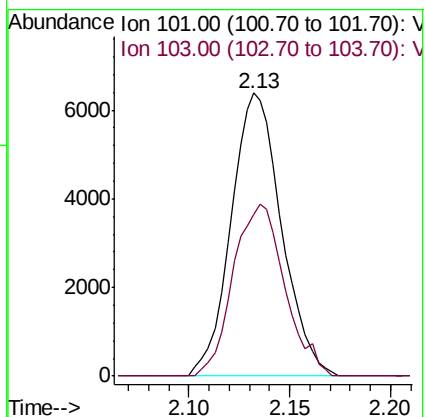
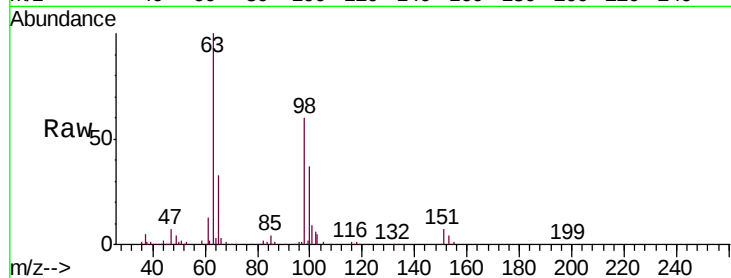
BF0LORE

Tgt Ion:101 Resp: 11141

Ion Ratio Lower Upper

101 100

103 62.3 45.1 83.9



#11

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

Concen: 3.469 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV009970.D

Acq: 28 Mar 2019 17:12

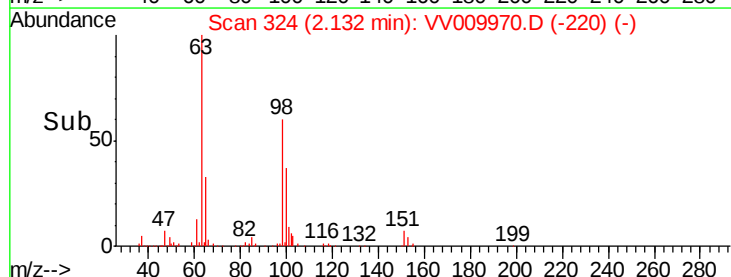
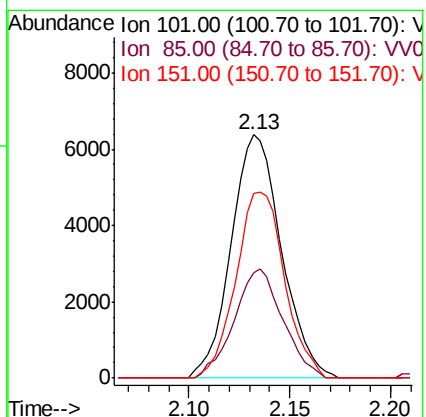
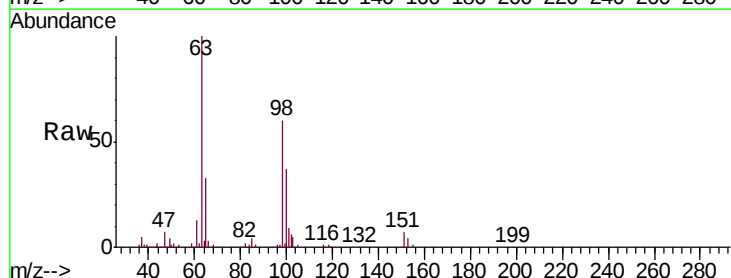
Tgt Ion:101 Resp: 11141

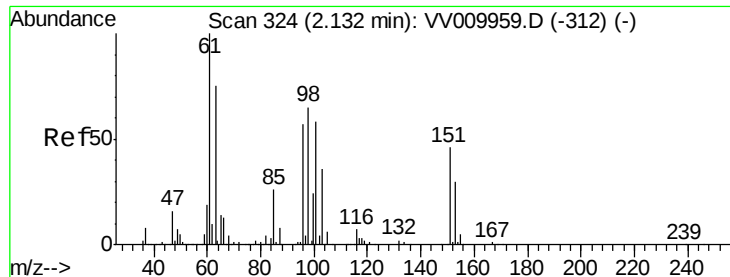
Ion Ratio Lower Upper

101 100

85 43.4 36.9 55.3

151 74.0 63.6 95.4





#12

1,1-Dichloroethene

Concen: 0.527 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009970.D

Acq: 28 Mar 2019 17:12

Instrument :

MSVOA_V

ClientSampleId :

BF0LORE

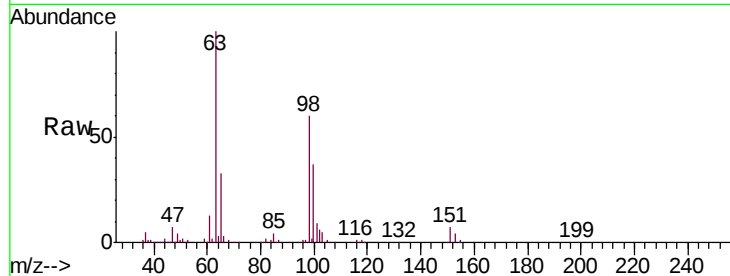
Tgt Ion: 96 Resp: 1436

Ion Ratio Lower Upper

96 100

61 1057.0 124.3 230.8#

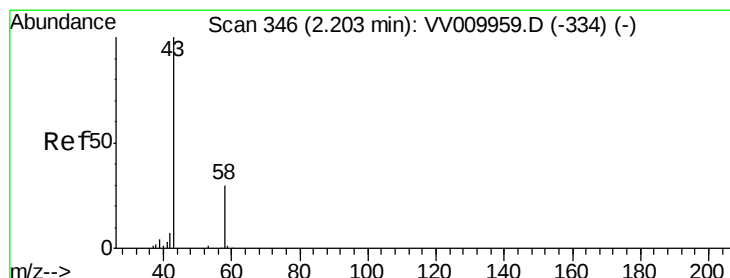
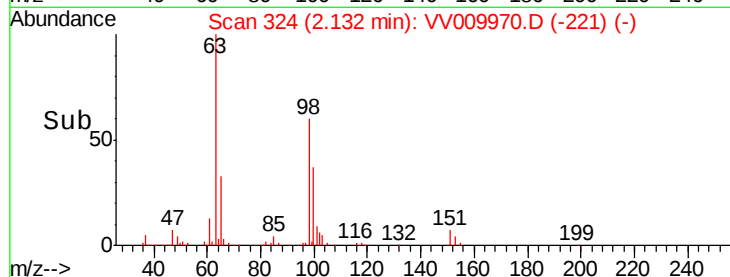
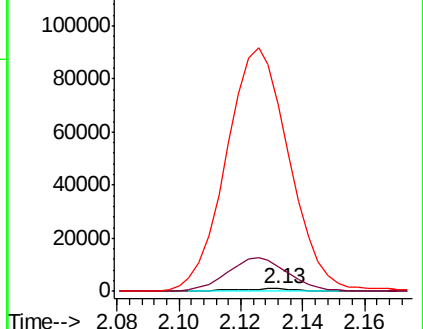
63 7832.7 88.2 163.8#



Abundance Ion 96.00 (95.70 to 96.70): VV009970.D (-221) (-)

Ion 61.00 (60.70 to 61.70): VV009970.D (-221) (-)

Ion 63.00 (62.70 to 63.70): VV009970.D (-221) (-)



#13

Acetone

Concen: 1.633 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

Lab File: VV009970.D

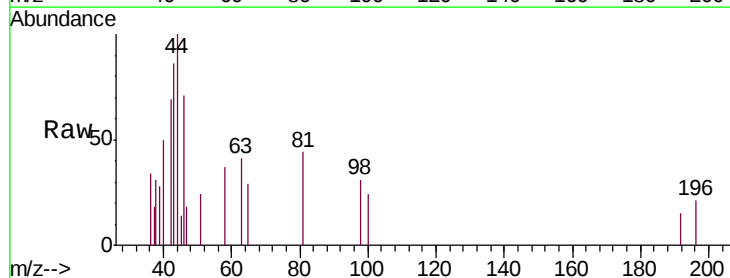
Acq: 28 Mar 2019 17:12

Tgt Ion: 43 Resp: 1041

Ion Ratio Lower Upper

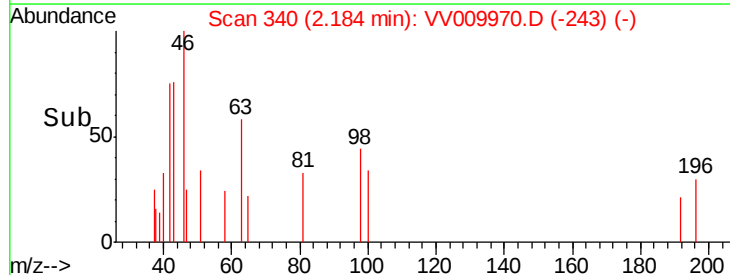
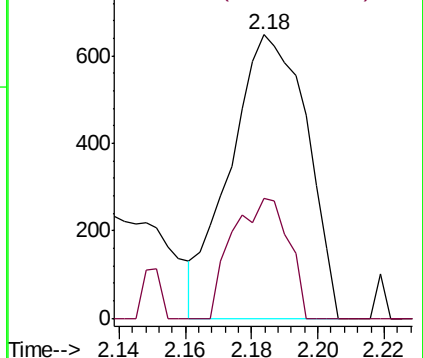
43 100

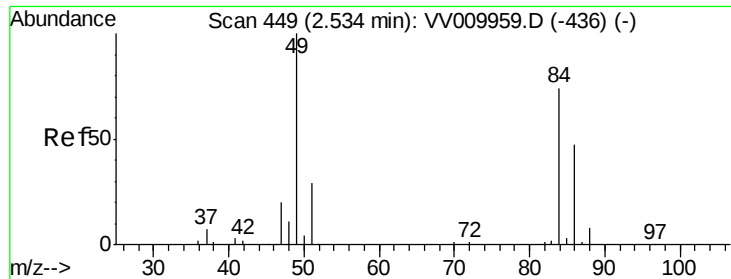
58 30.8 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009970.D (-243) (-)

Ion 58.00 (57.70 to 58.70): VV009970.D (-243) (-)

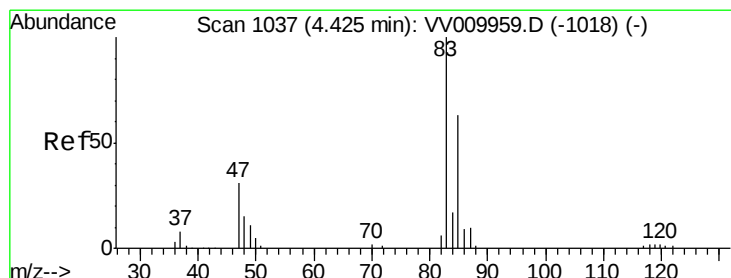
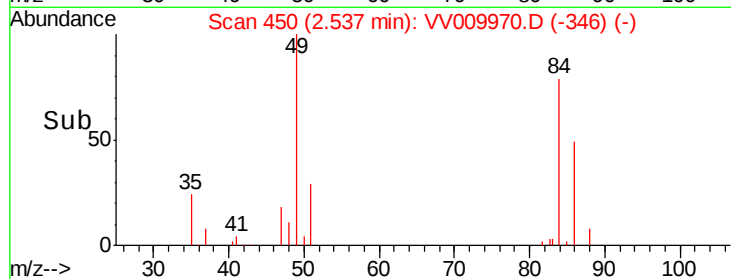
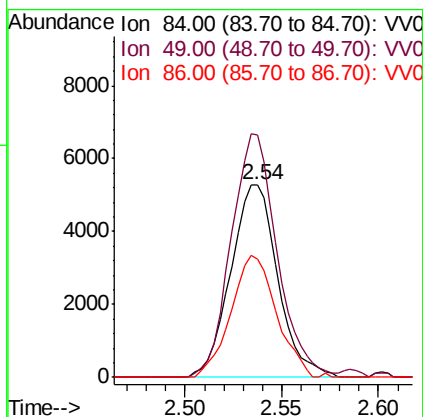
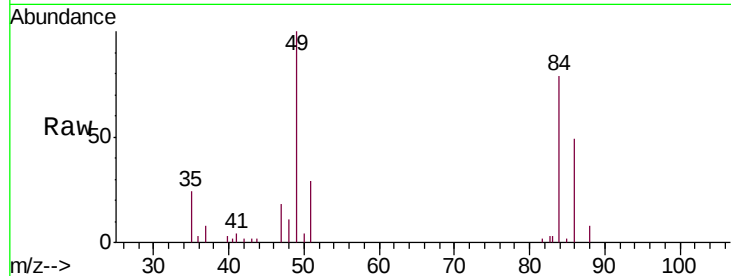




#16
Methylene chloride
Concen: 4.888 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009970.D
Acq: 28 Mar 2019 17:12

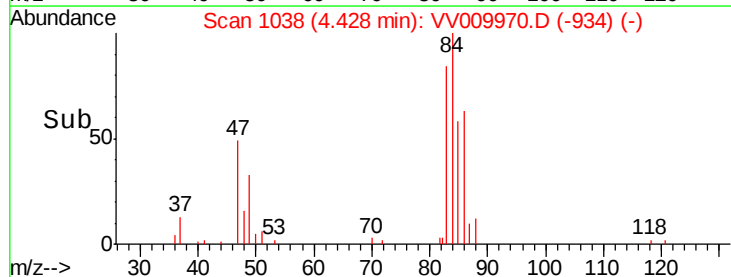
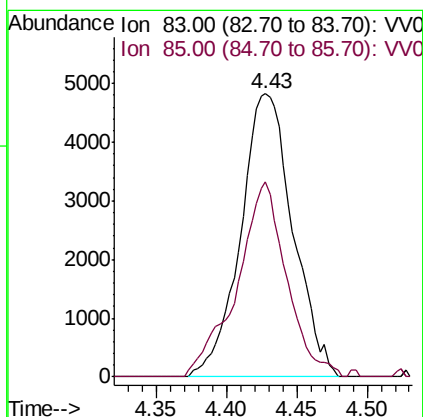
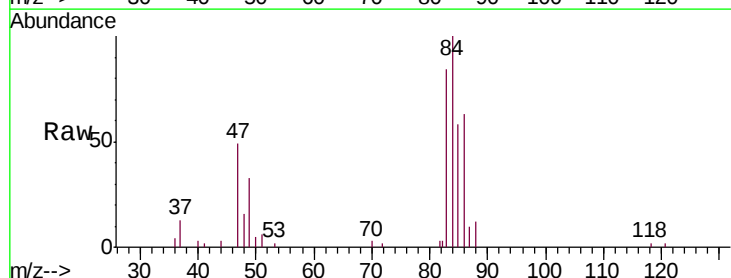
Instrument :
MSVOA_V
ClientSampleId :
BF0LORE

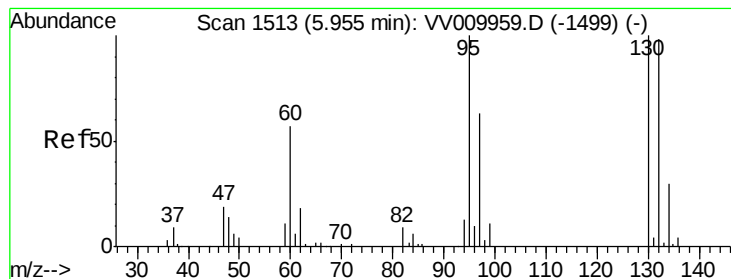
Tgt Ion: 84 Resp: 8965
Ion Ratio Lower Upper
84 100
49 126.0 90.4 167.8
86 61.4 44.0 81.6



#25
Chloroform
Concen: 4.239 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009970.D
Acq: 28 Mar 2019 17:12

Tgt Ion: 83 Resp: 12509
Ion Ratio Lower Upper
83 100
85 65.3 46.1 85.7





#35

Trichloroethene

Concen: 4.441 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV009970.D

Acq: 28 Mar 2019 17:12

Instrument :

MSVOA_V

ClientSampleId :

BF0LORE

Tgt Ion: 95 Resp: 6108

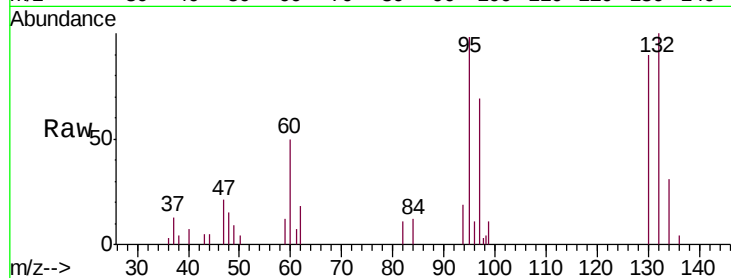
Ion Ratio Lower Upper

95 100

97 74.2 46.3 85.9

132 105.7 69.3 128.7

130 108.6 69.5 129.1

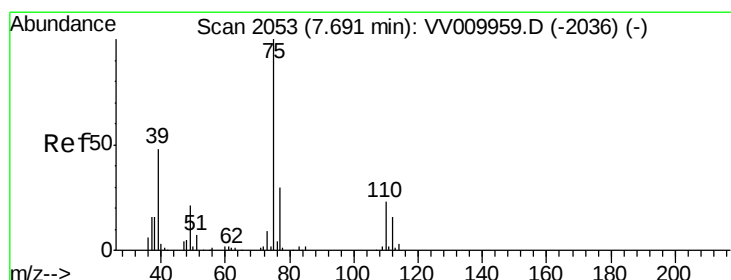
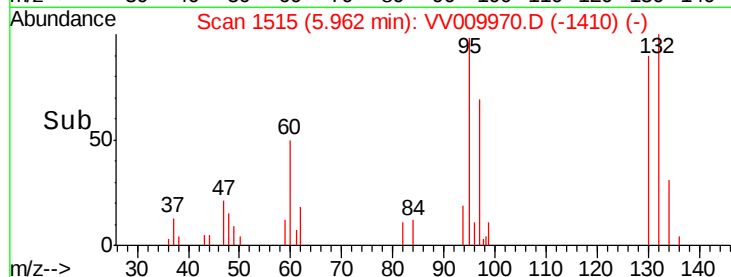
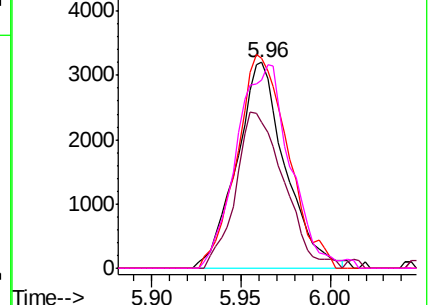


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 0.735 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009970.D

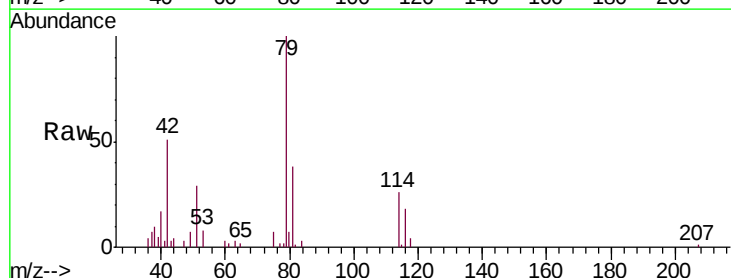
Acq: 28 Mar 2019 17:12

Tgt Ion: 75 Resp: 1143

Ion Ratio Lower Upper

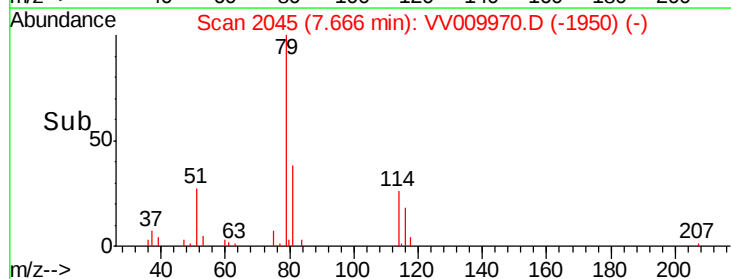
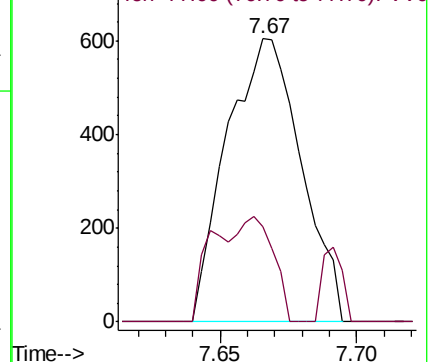
75 100

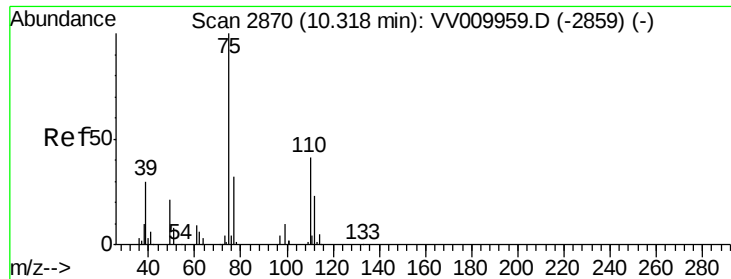
77 33.6 20.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#59

1,2,3-Trichloropropane

Concen: 4.790 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009970.D

Acq: 28 Mar 2019 17:12

Instrument :

MSVOA_V

ClientSampleId :

BF0LORE

Tgt Ion: 75 Resp: 5021

Ion Ratio Lower Upper

75 100

77 36.3 26.2 39.2

