

Data File : VV009094.D
Acq On : 20 Dec 2018 19:30
Operator : SY/MD
Sample : J6441-03
Misc : 5.41 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE814RE

Quant Time: Dec 21 00:31:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 00:25:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	248761	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	175891	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	40198	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45865	17.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.28%
7) Chloroethane-d5	1.58	69	51219	26.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.72%
10) 1,1-Dichloroethene-d2	2.13	63	96531	15.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.00%
20) 2-Butanone-d5	3.94	46	28592	30.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.02%
24) Chloroform-d	4.40	84	135847	22.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.88%
26) 1,2-Dichloroethane-d4	5.08	65	72908	22.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.36%
29) Benzene-d6	5.10	84	261797	26.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.60%
33) 1,2-Dichloropropane-d6	6.12	67	81706	29.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	118.84%
37) Toluene-d8	7.36	98	219183	24.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.44%
38) trans-1,3-Dichloropropene-	7.67	79	23301	19.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.12%
39) 2-Hexanone-d5	8.14	63	16401	32.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.10%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	44720	19.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.52%
61) 1,2-Dichlorobenzene-d4	11.68	152	37003	24.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.12%

Target Compounds

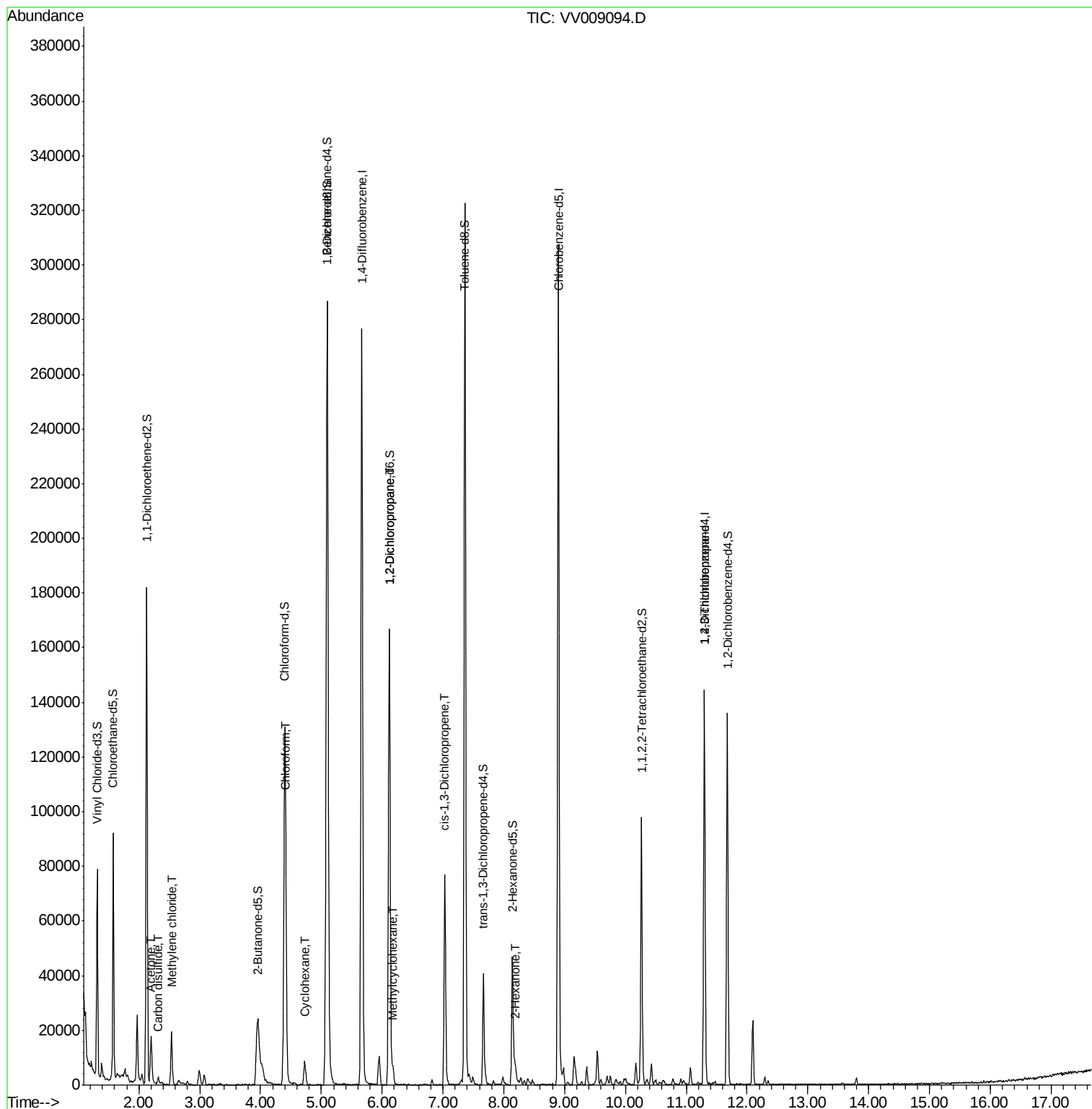
					Qvalue
13) Acetone	2.20	43	22603	16.369 ug/L	96
14) Carbon disulfide	2.32	76	3225	0.313 ug/L	99
16) Methylene chloride	2.54	84	8180	1.953 ug/L	94
25) Chloroform	4.42	83	3956	0.656 ug/L #	58
30) Cyclohexane	4.73	56	4342	0.980 ug/L	93
36) Methylcyclohexane	6.17	83	2399	0.473 ug/L #	89
40) 1,2-Dichloropropane	6.12	63	9737	3.850 ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	1829	0.494 ug/L #	46
49) 2-Hexanone	8.19	43	2656	1.878 ug/L #	91
59) 1,2,3-Trichloropropane	11.30	75	4077	2.068 ug/L #	80

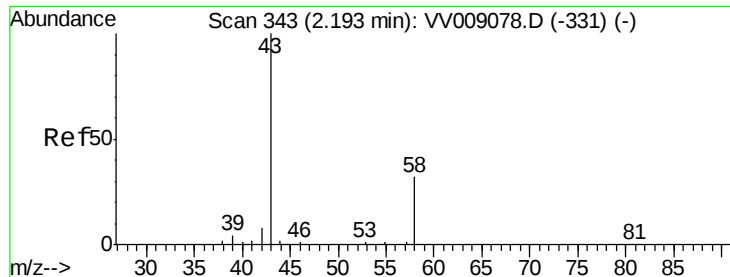
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 16.369 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV009094.D

Acq: 20 Dec 2018 19:30

Instrument :

MSVOA_V

ClientSampleId :

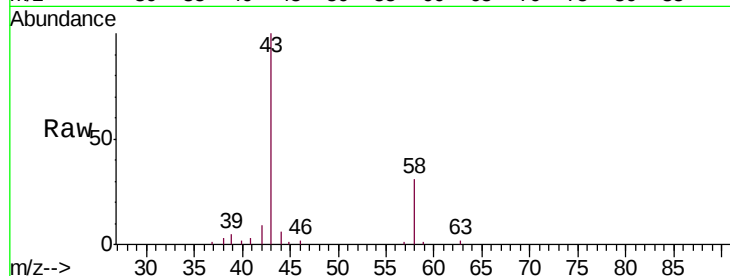
BE814RE

Tgt Ion: 43 Resp: 22603

Ion Ratio Lower Upper

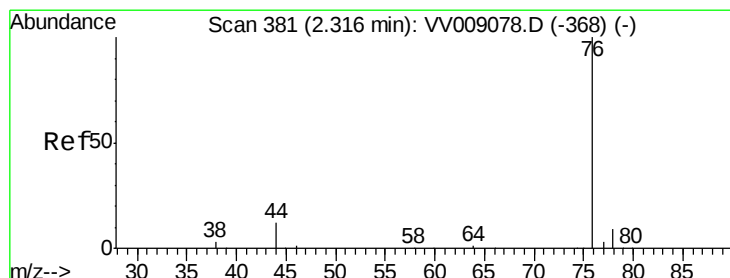
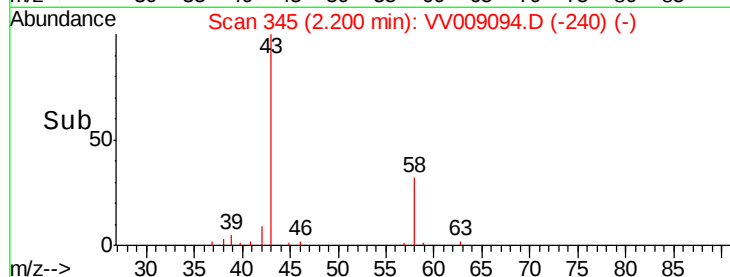
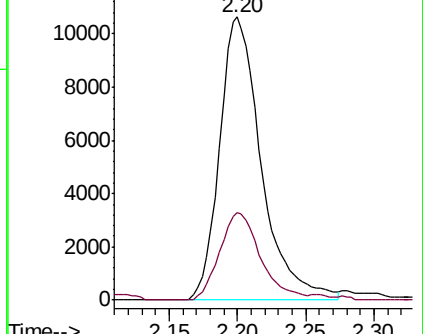
43 100

58 30.3 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009078.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009078.D (-331) (-)



#14

Carbon disulfide

Concen: 0.313 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009094.D

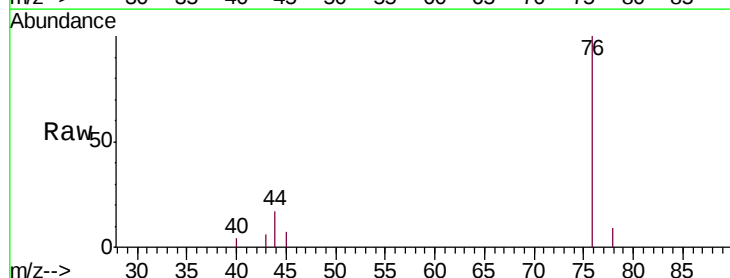
Acq: 20 Dec 2018 19:30

Tgt Ion: 76 Resp: 3225

Ion Ratio Lower Upper

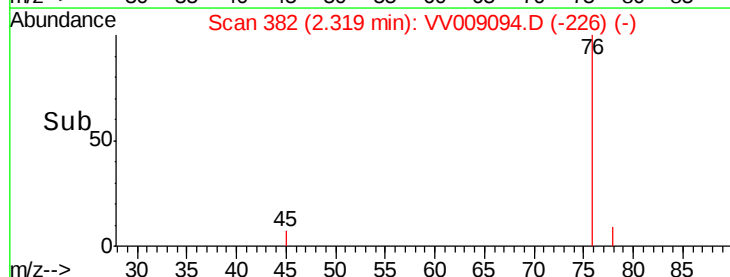
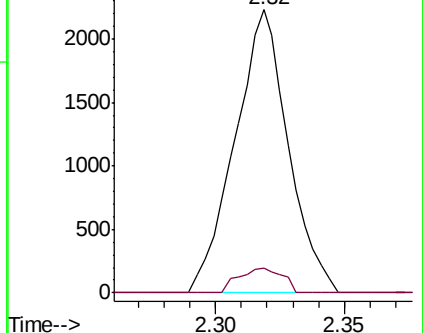
76 100

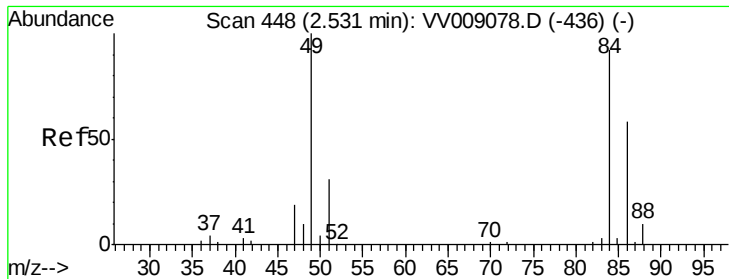
78 8.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV009078.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV009078.D (-368) (-)

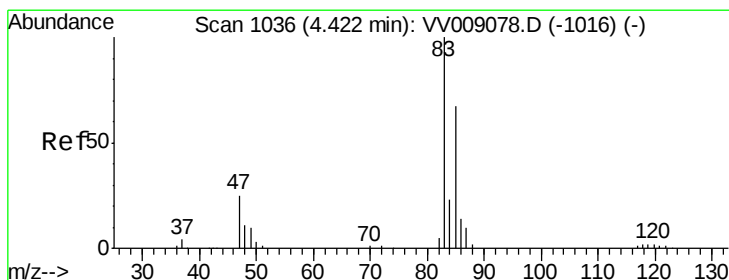
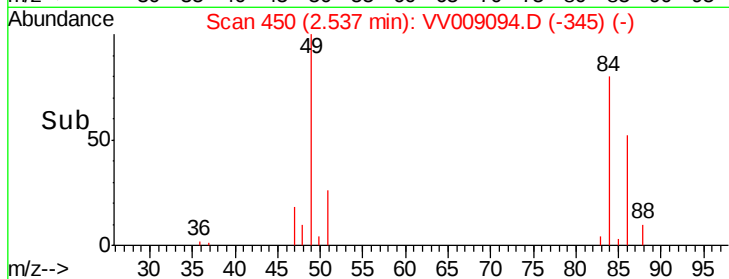
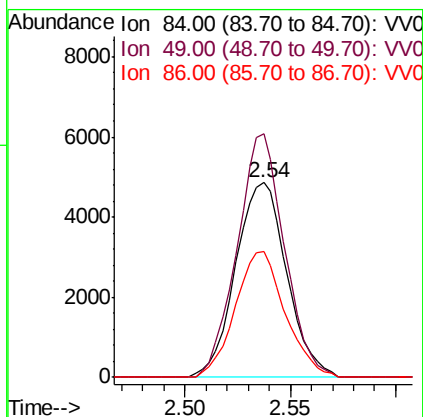
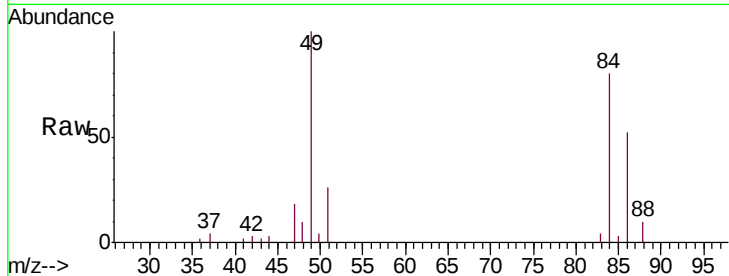




#16
Methylene chloride
Concen: 1.953 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV009094.D
Acq: 20 Dec 2018 19:30

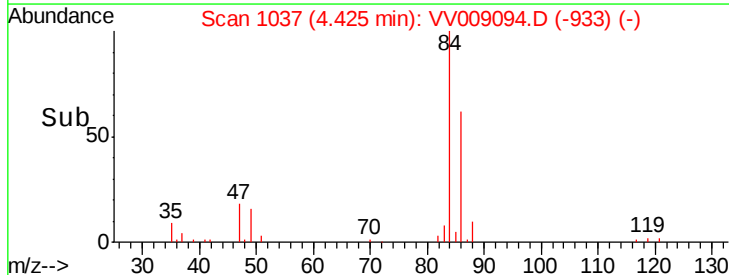
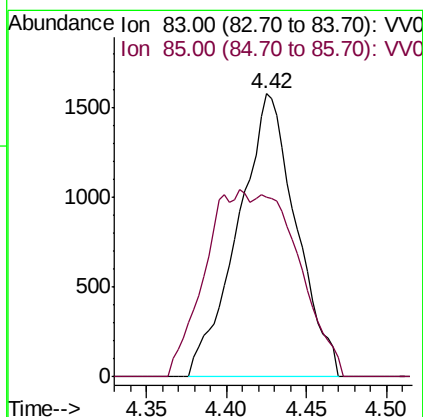
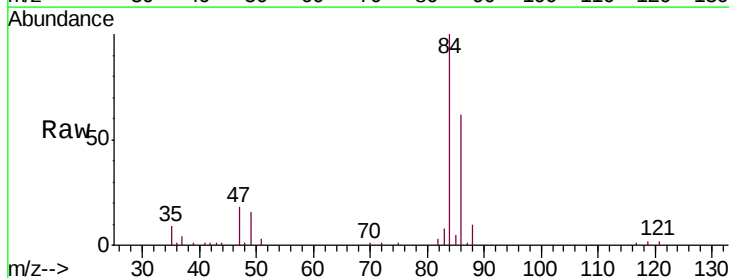
Instrument :
MSVOA_V
ClientSampled :
BE814RE

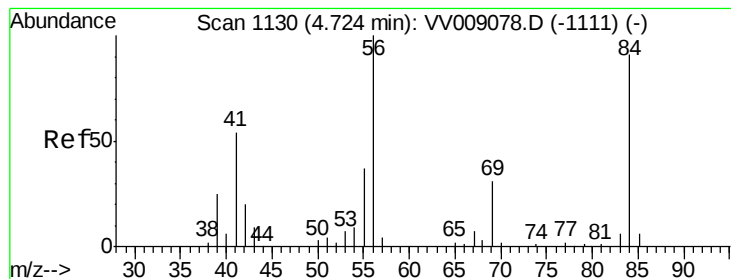
Tgt Ion: 84 Resp: 8180
Ion Ratio Lower Upper
84 100
49 125.2 80.5 149.5
86 64.5 45.5 84.5



#25
Chloroform
Concen: 0.656 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009094.D
Acq: 20 Dec 2018 19:30

Tgt Ion: 83 Resp: 3956
Ion Ratio Lower Upper
83 100
85 32.4 45.6 84.8#





#30

Cyclohexane

Concen: 0.980 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009094.D

Acq: 20 Dec 2018 19:30

Instrument :

MSVOA_V

ClientSampleId :

BE814RE

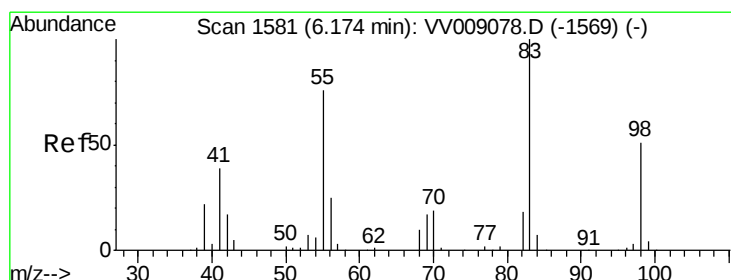
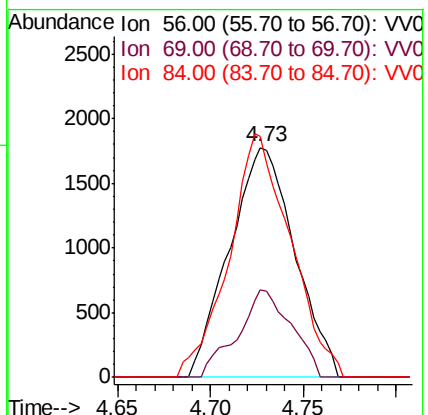
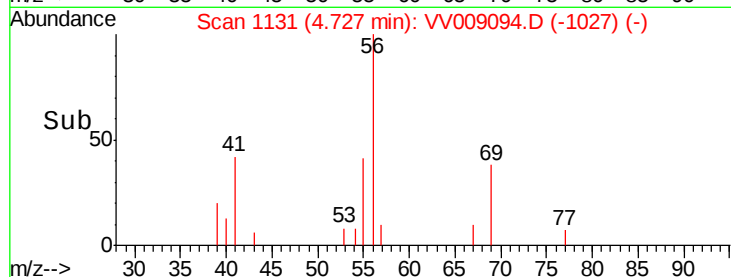
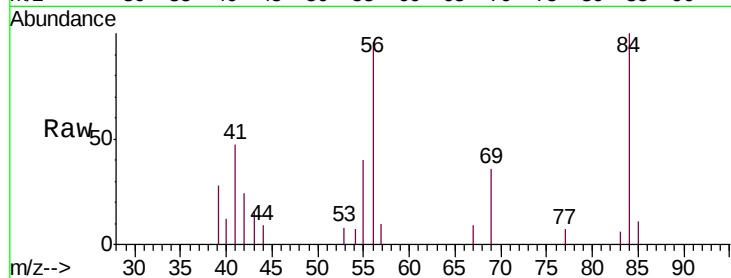
Tgt Ion: 56 Resp: 4342

Ion Ratio Lower Upper

56 100

69 31.3 25.8 38.8

84 99.6 73.0 109.6



#36

Methylcyclohexane

Concen: 0.473 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV009094.D

Acq: 20 Dec 2018 19:30

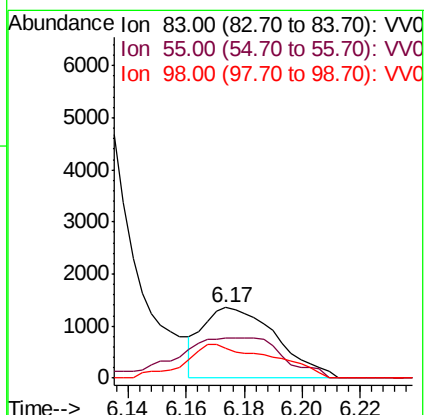
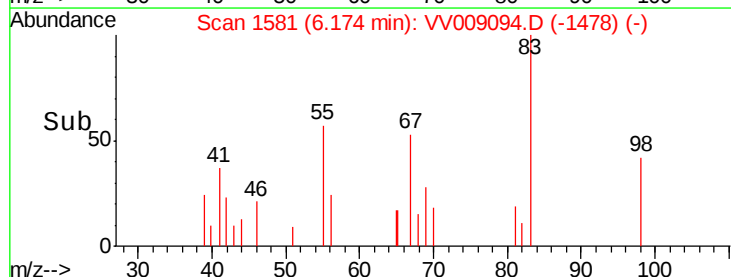
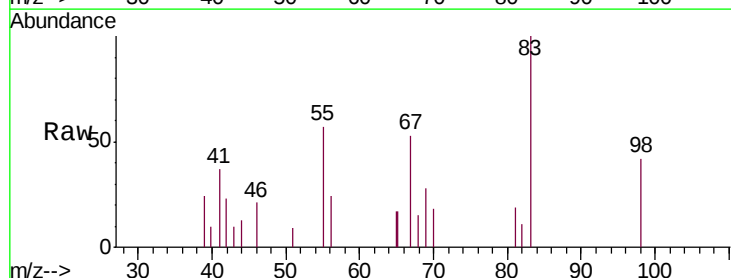
Tgt Ion: 83 Resp: 2399

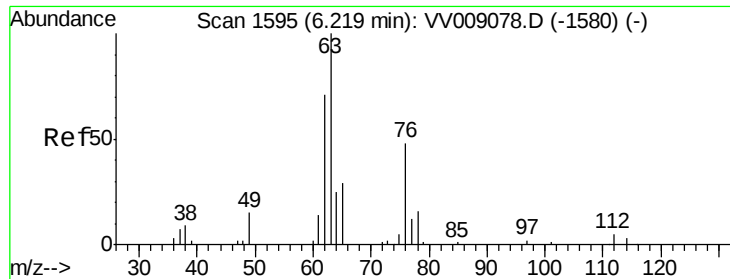
Ion Ratio Lower Upper

83 100

55 65.1 58.2 87.2

98 57.1 37.8 56.8#

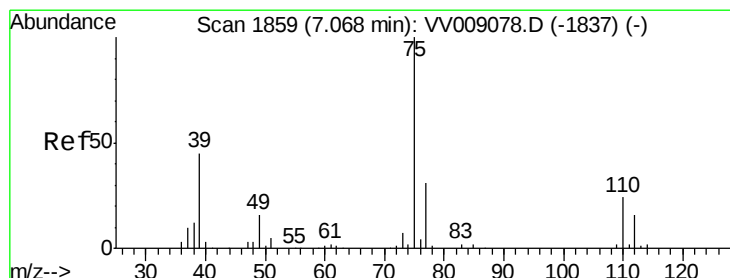
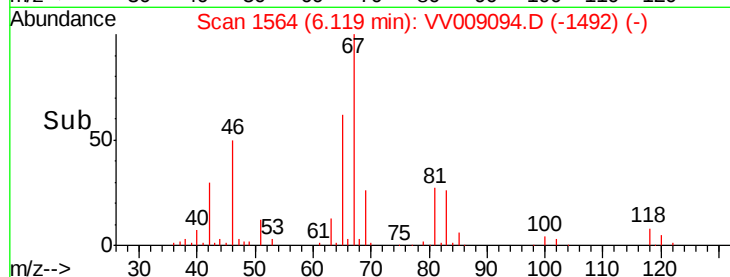
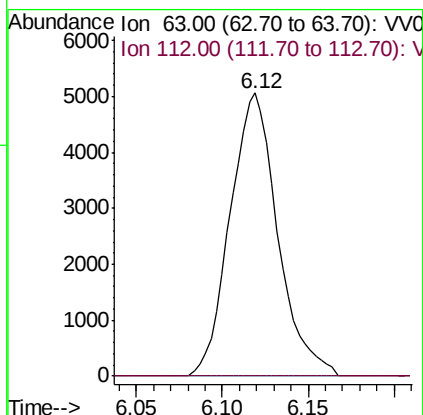
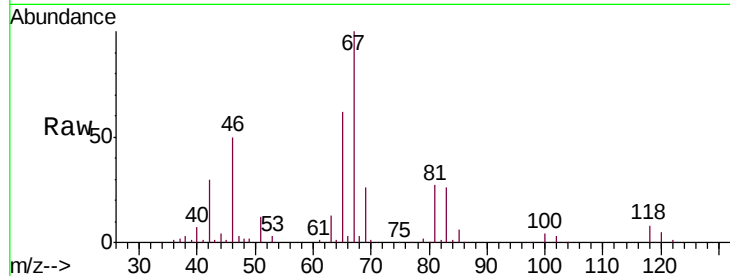




#40
 1,2-Dichloropropane
 Concen: 3.850 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV009094.D
 Acq: 20 Dec 2018 19:30

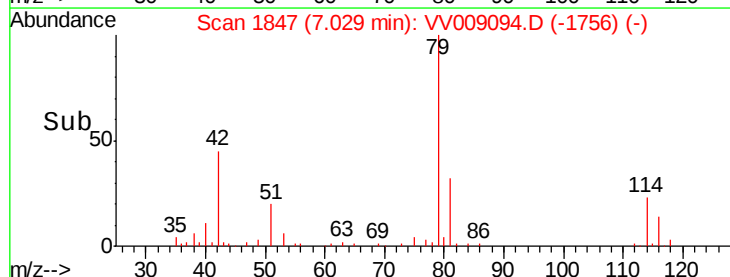
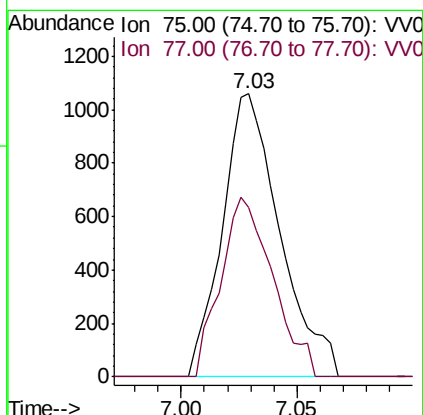
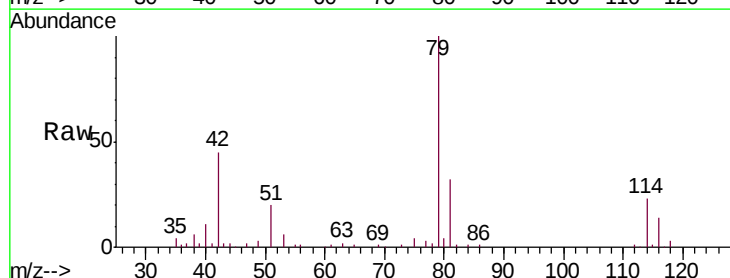
Instrument :
 MSVOA_V
 ClientSampleId :
 BE814RE

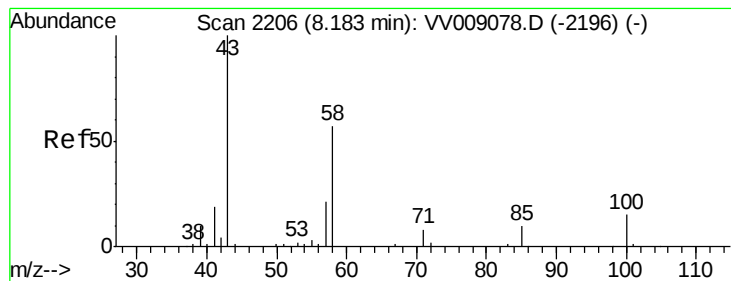
Tgt Ion: 63 Resp: 9737
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.494 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009094.D
 Acq: 20 Dec 2018 19:30

Tgt Ion: 75 Resp: 1829
 Ion Ratio Lower Upper
 75 100
 77 60.0 21.3 39.6#





#49

2-Hexanone

Concen: 1.878 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VV009094.D

Acq: 20 Dec 2018 19:30

Instrument :

MSVOA_V

ClientSampleId :

BE814RE

Tgt Ion: 43 Resp: 2656

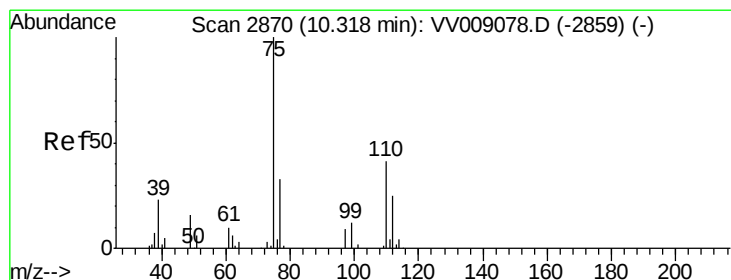
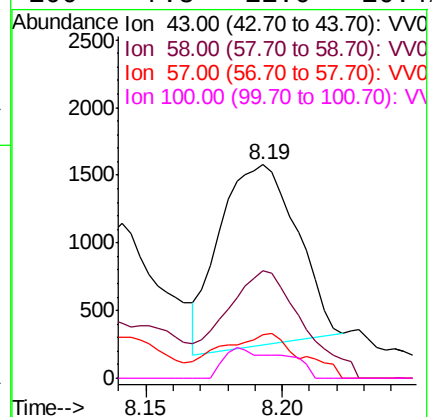
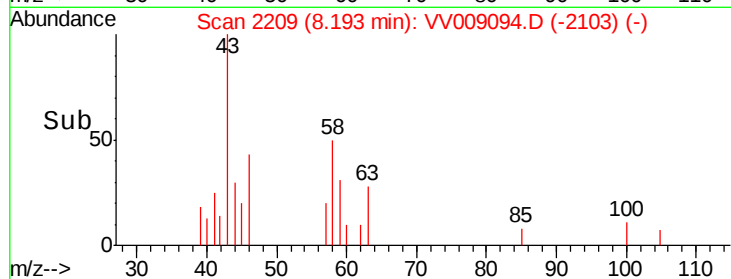
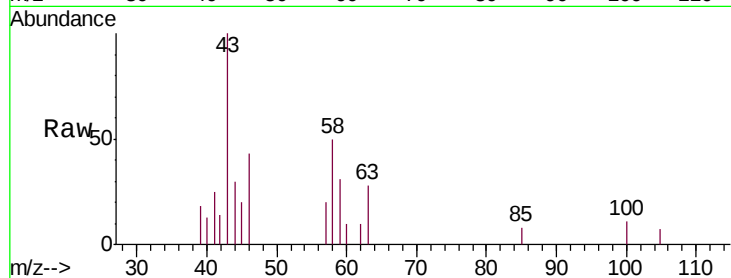
Ion Ratio Lower Upper

43 100

58 59.3 43.9 65.9

57 13.1 15.7 23.5#

100 7.8 11.0 16.4#



#59

1,2,3-Trichloropropane

Concen: 2.068 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009094.D

Acq: 20 Dec 2018 19:30

Tgt Ion: 75 Resp: 4077

Ion Ratio Lower Upper

75 100

77 43.1 25.6 38.4#

