

Data File : VV010228.D
Acq On : 10 Apr 2019 23:35
Operator : SY/MD
Sample : K2168-22
Misc : 5.01G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 07:12:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 07:05:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	268413	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	268695	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	117652	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69312	22.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.72%
7) Chloroethane-d5	1.57	69	65118	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.08%
10) 1,1-Dichloroethene-d2	2.13	63	137461	17.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.92%
20) 2-Butanone-d5	3.93	46	38829	49.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.32%
24) Chloroform-d	4.40	84	148726	24.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.04%
26) 1,2-Dichloroethane-d4	5.08	65	88762	25.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.68%
29) Benzene-d6	5.10	84	321600	24.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.28%
33) 1,2-Dichloropropane-d6	6.12	67	93097	24.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.64%
37) Toluene-d8	7.36	98	304163	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.28%
38) trans-1,3-Dichloropropene-	7.66	79	36882	22.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.80%
39) 2-Hexanone-d5	8.13	63	28813	43.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.58%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	82059	23.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.88%
61) 1,2-Dichlorobenzene-d4	11.68	152	113859	26.21	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.84%

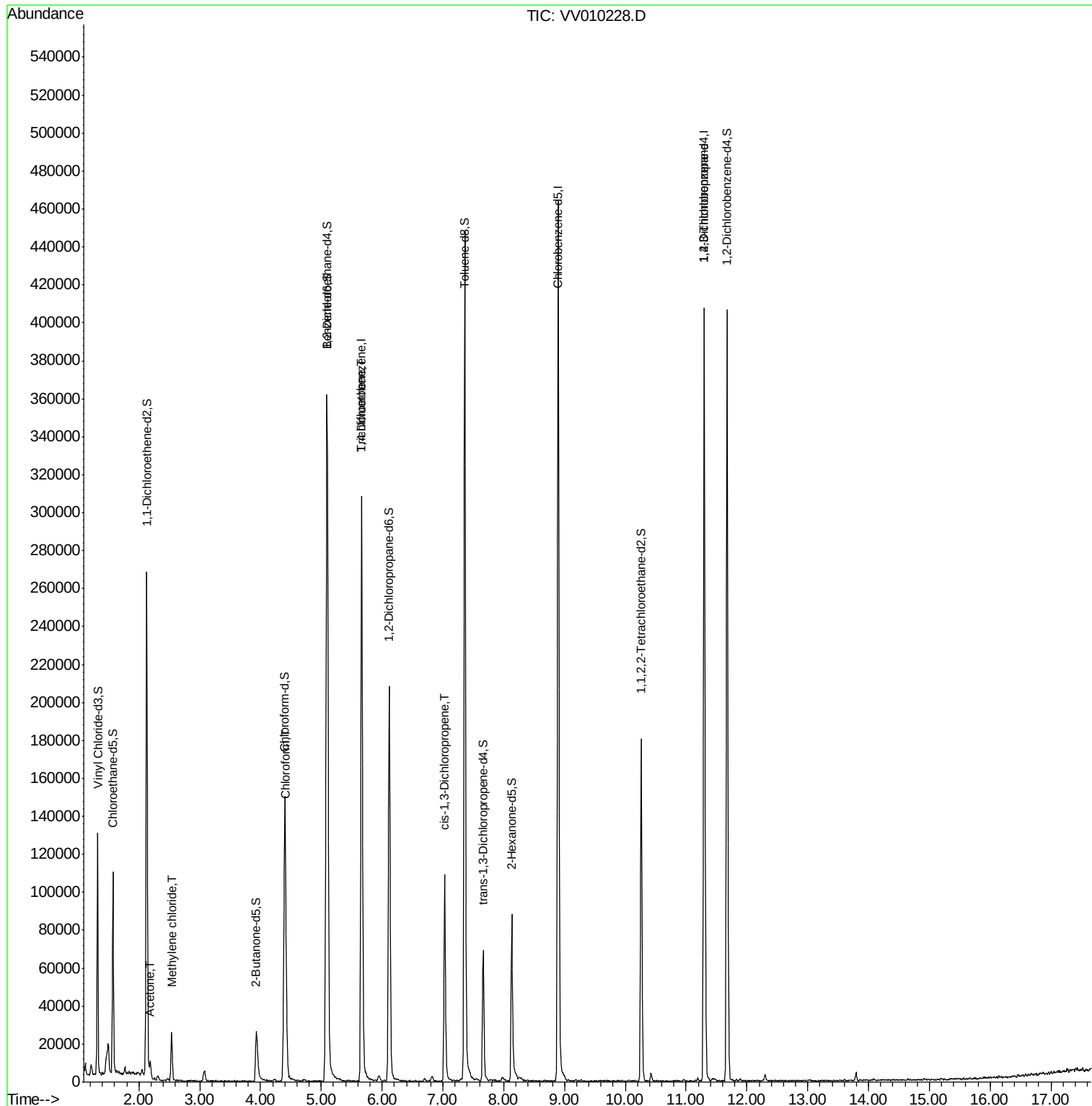
Target Compounds

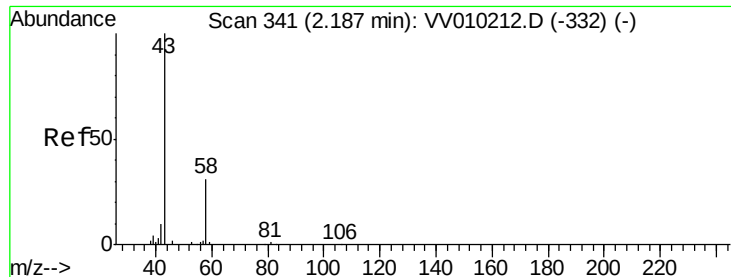
					Qvalue
13) Acetone	2.19	43	2600	3.112 ug/L	95
16) Methylene chloride	2.54	84	10700	2.036 ug/L	97
25) Chloroform	4.42	83	5540	0.843 ug/L #	15
35) Trichloroethene	5.66	95	8279	2.104 ug/L #	3
42) cis-1,3-Dichloropropene	7.03	75	3377	0.669 ug/L	88
59) 1,2,3-Trichloropropane	11.30	75	14149	5.502 ug/L	91

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

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#13

Acetone

Concen: 3.112 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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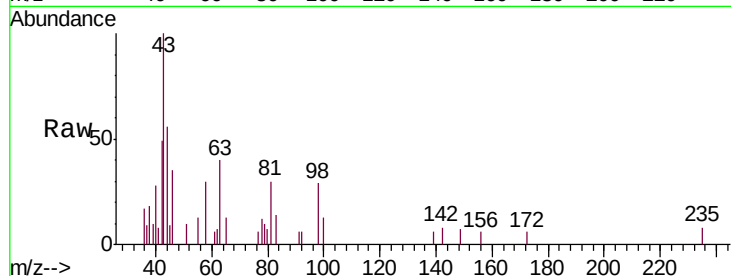
Acq: 10 Apr 2019 23:35

Tgt Ion: 43 Resp: 2600

Ion Ratio Lower Upper

43 100

58 28.2 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV010228.D (-341) (-)

Ion 58.00 (57.70 to 58.70): VV010228.D (-341) (-)

2000

1500

1000

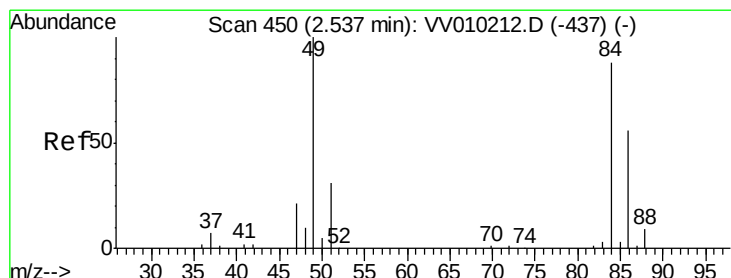
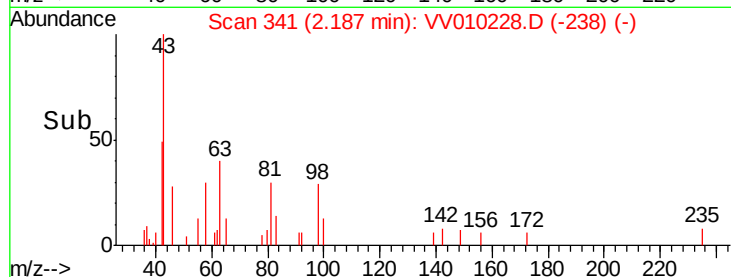
500

0

Time-->

2.15

2.20



#16

Methylene chloride

Concen: 2.036 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

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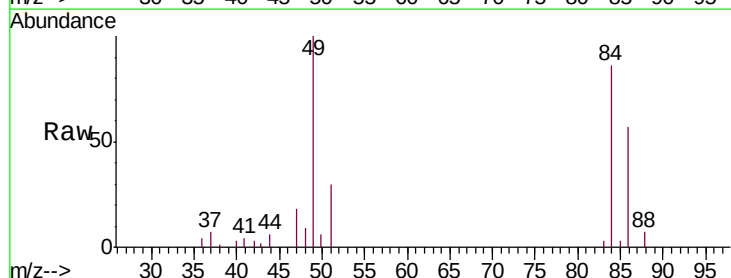
Tgt Ion: 84 Resp: 10700

Ion Ratio Lower Upper

84 100

49 116.6 79.9 148.5

86 66.3 44.5 82.7



Abundance Ion 84.00 (83.70 to 84.70): VV010228.D (-449) (-)

Ion 49.00 (48.70 to 49.70): VV010228.D (-449) (-)

Ion 86.00 (85.70 to 86.70): VV010228.D (-449) (-)

10000

8000

6000

4000

2000

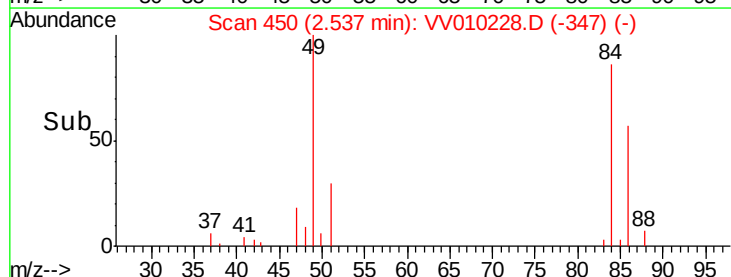
0

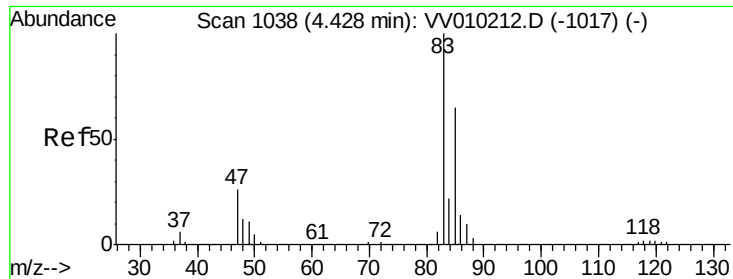
Time-->

2.50

2.55

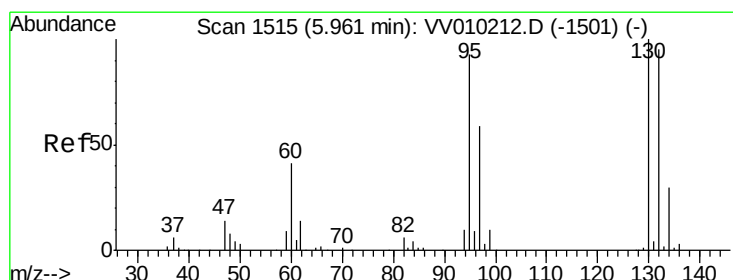
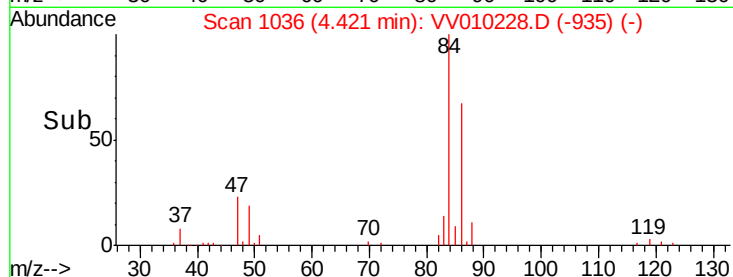
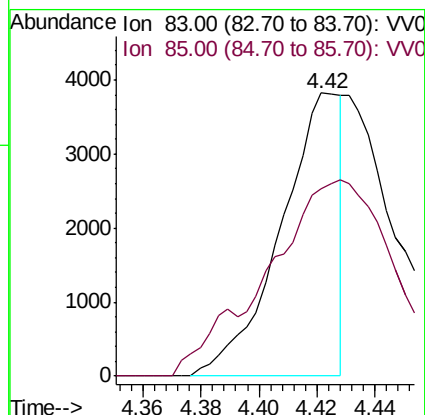
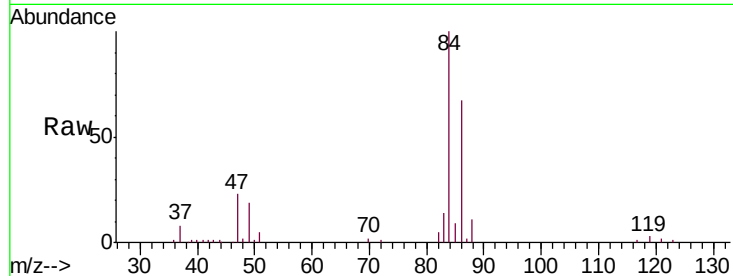
2.60





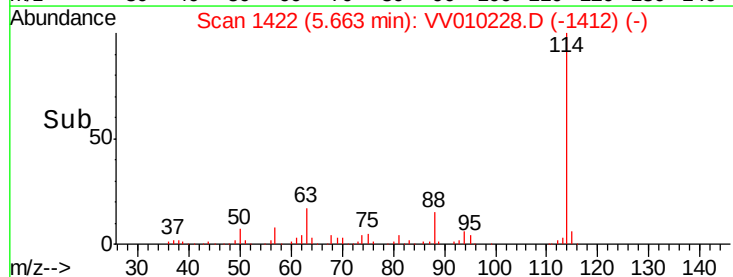
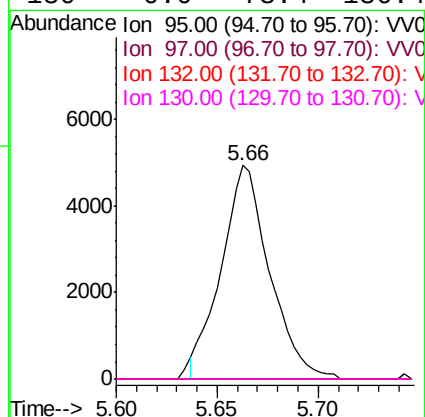
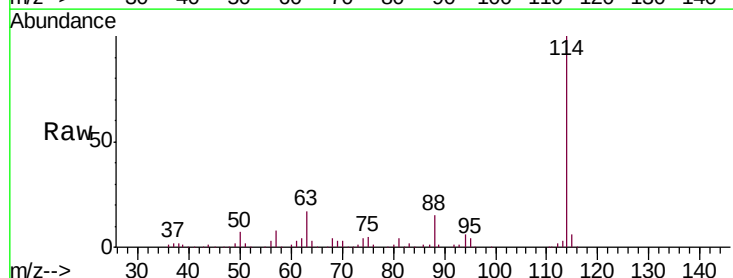
#25
Chloroform
Concen: 0.843 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.01 min
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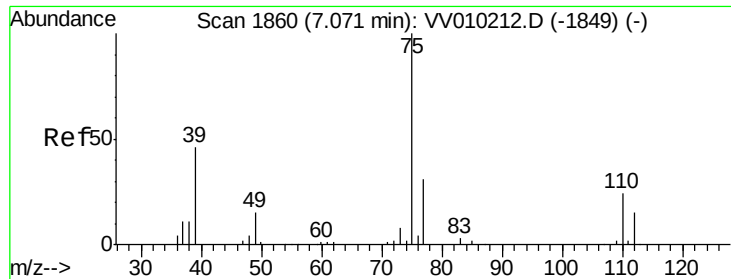
Tgt Ion: 83 Resp: 5540
Ion Ratio Lower Upper
83 100
85 131.5 45.4 84.2#



#35
Trichloroethene
Concen: 2.104 ug/L
RT: 5.66 min Scan# 1422
Delta R.T. -0.30 min
Lab File: VV010228.D
Acq: 10 Apr 2019 23:35

Tgt Ion: 95 Resp: 8279
Ion Ratio Lower Upper
95 100
97 0.0 44.3 82.3#
132 0.0 71.3 132.3#
130 0.0 73.4 136.4#

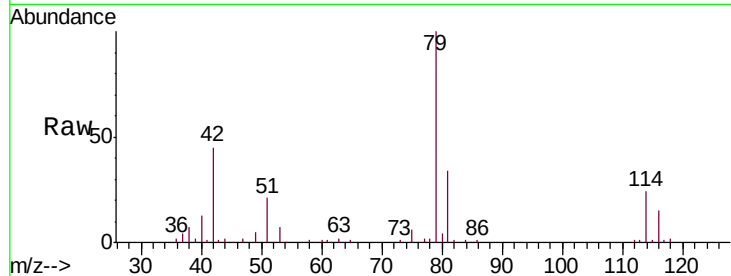




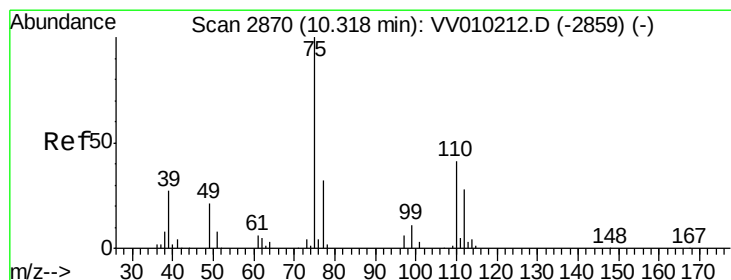
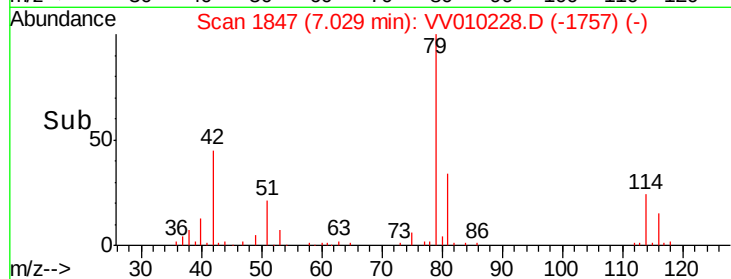
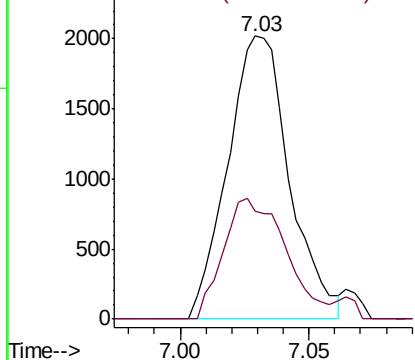
#42

cis-1,3-Dichloropropene
Concen: 0.669 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV010228.D
Acq: 10 Apr 2019 23:35

Tgt Ion: 75 Resp: 3377
Ion Ratio Lower Upper
75 100
77 38.0 21.9 40.7



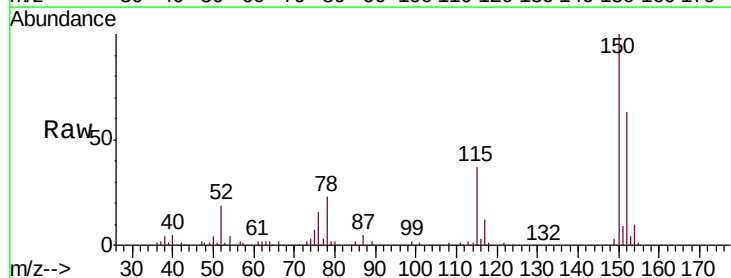
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



#59

1,2,3-Trichloropropane
Concen: 5.502 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.98 min
Lab File: VV010228.D
Acq: 10 Apr 2019 23:35

Tgt Ion: 75 Resp: 14149
Ion Ratio Lower Upper
75 100
77 38.6 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

