

Data File : VV009961.D
Acq On : 28 Mar 2019 13:03
Operator : SY/MD
Sample : K2101-20
Misc : 5.21G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0K9

Quant Time: Mar 29 02:22:30 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	130561	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	108808	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	32431	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40680	15.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.40%
7) Chloroethane-d5	1.55	69	52155	18.23	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.92%
10) 1,1-Dichloroethene-d2	2.12	63	129797	17.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.64%
20) 2-Butanone-d5	3.93	46	21500	43.55	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.10%
24) Chloroform-d	4.40	84	49606	14.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	59.64%
26) 1,2-Dichloroethane-d4	5.07	65	50777	25.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.48%
29) Benzene-d6	5.09	84	178257	31.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	124.80%
33) 1,2-Dichloropropane-d6	6.11	67	51575	30.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	123.40%#
37) Toluene-d8	7.36	98	143500	26.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.12%
38) trans-1,3-Dichloropropene-	7.66	79	14177	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.92%
39) 2-Hexanone-d5	8.13	63	14490	46.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.88%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	35335	21.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.40%
61) 1,2-Dichlorobenzene-d4	11.68	152	30700	24.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.44%

Target Compounds

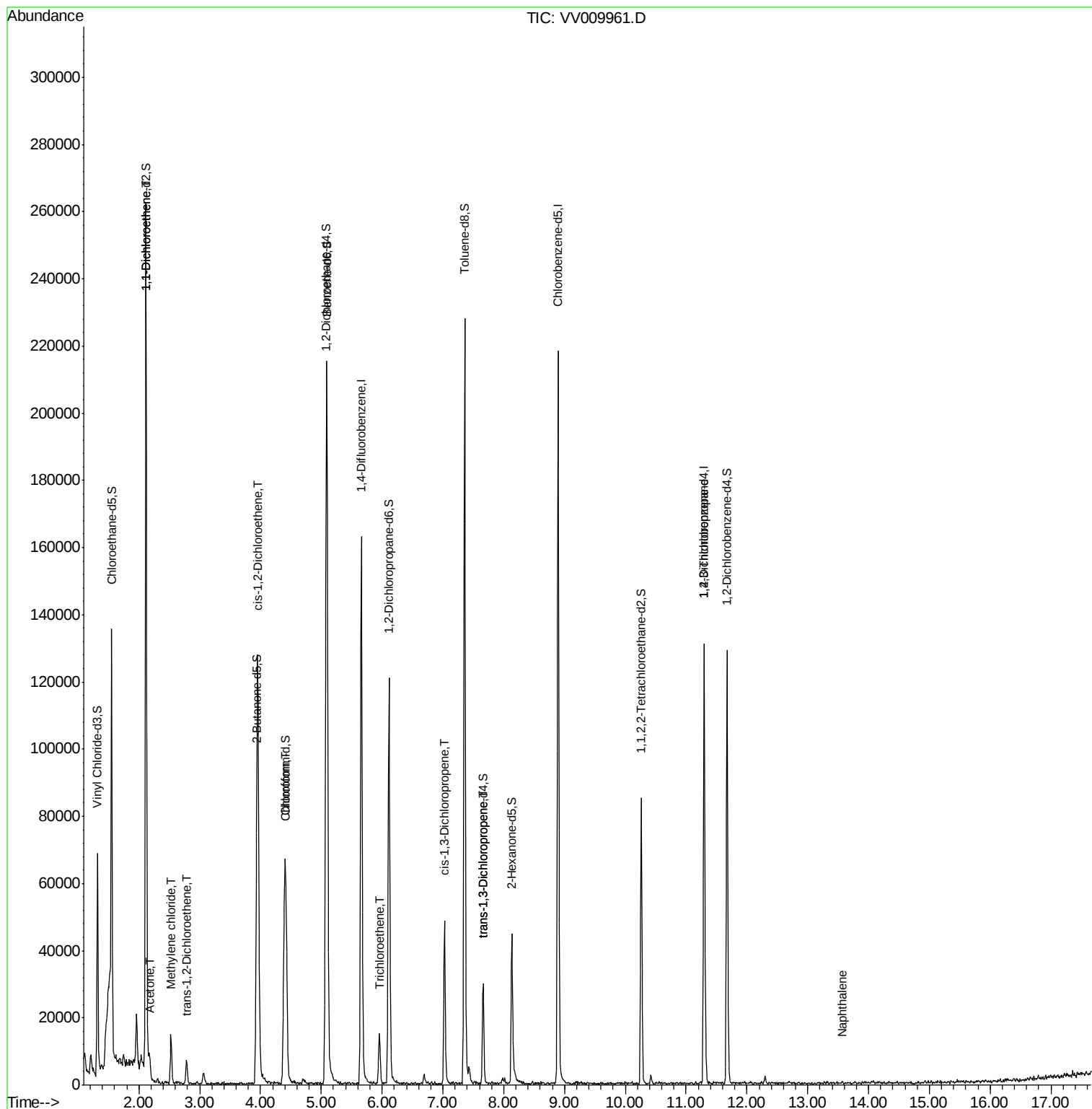
					Qvalue
12) 1,1-Dichloroethene	2.12	96	1517	0.475 ug/L #	1
13) Acetone	2.19	43	3164	4.233 ug/L	92
16) Methylene chloride	2.53	84	4922	2.289 ug/L	94
18) trans-1,2-Dichloroethene	2.78	96	2290	1.339 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	65075	34.451 ug/L	96
25) Chloroform	4.42	83	39605	11.450 ug/L	97
35) Trichloroethene	5.95	95	4688	2.975 ug/L	88
42) cis-1,3-Dichloropropene	7.02	75	1373	0.631 ug/L #	54
45) trans-1,3-Dichloropropene	7.67	75	976	0.548 ug/L	97
59) 1,2,3-Trichloropropane	11.30	75	5357	4.459 ug/L	90
69) Naphthalene	13.56	128	501	0.287 ug/L #	68

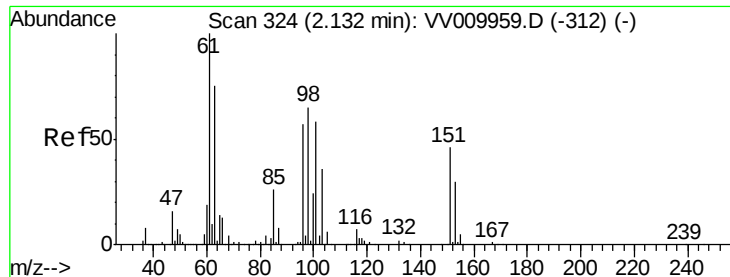
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.475 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009961.D

Acq: 28 Mar 2019 13:03

Instrument :

MSVOA_V

ClientSampleId :

BF0K9

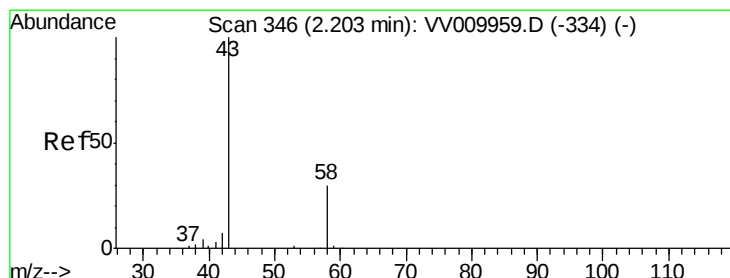
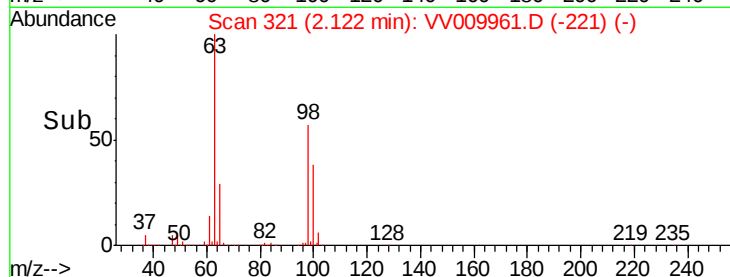
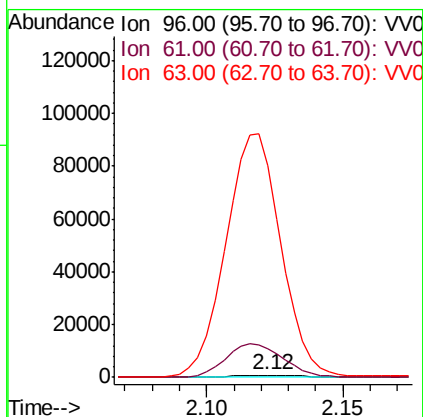
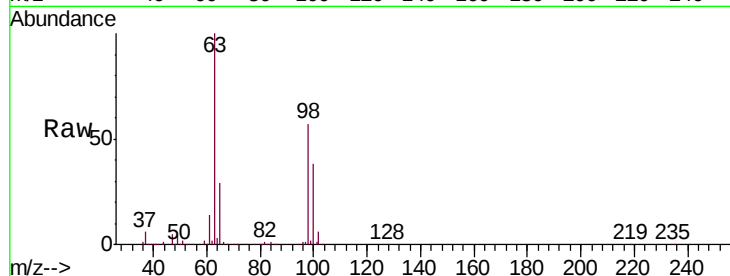
Tgt Ion: 96 Resp: 1517

Ion Ratio Lower Upper

96 100

61 1262.6 124.3 230.8#

63 9306.1 88.2 163.8#



#13

Acetone

Concen: 4.233 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV009961.D

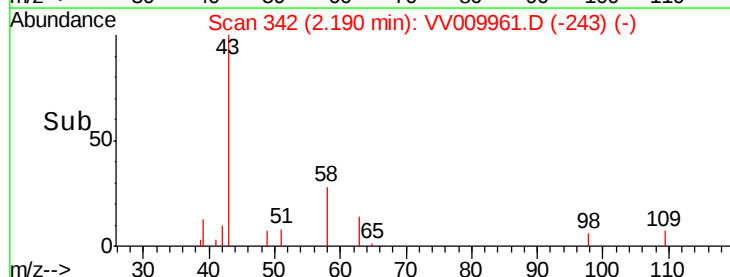
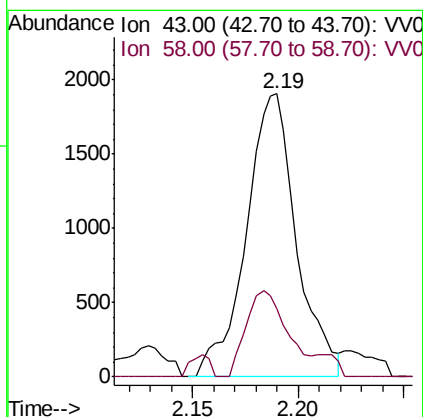
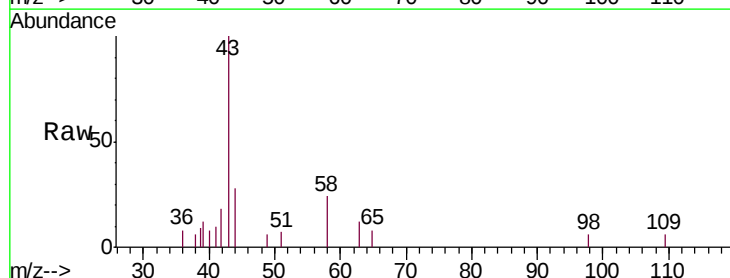
Acq: 28 Mar 2019 13:03

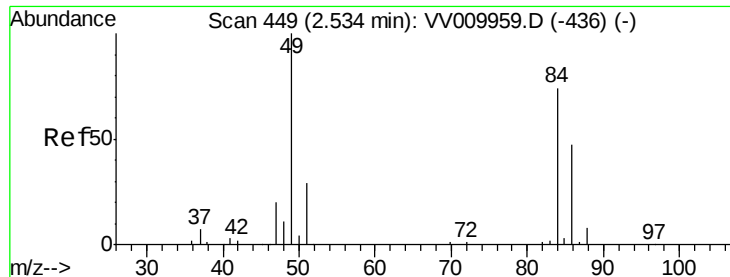
Tgt Ion: 43 Resp: 3164

Ion Ratio Lower Upper

43 100

58 25.1 0.0 59.4

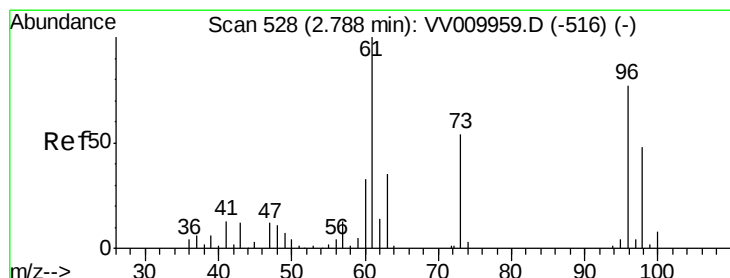
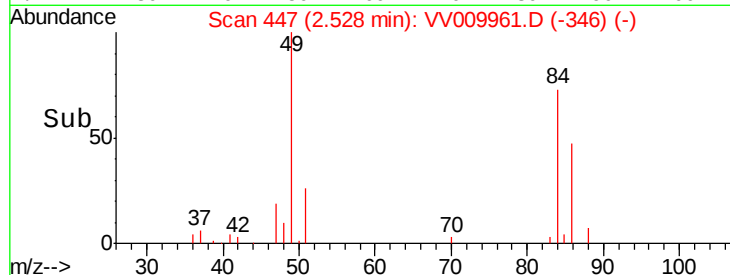
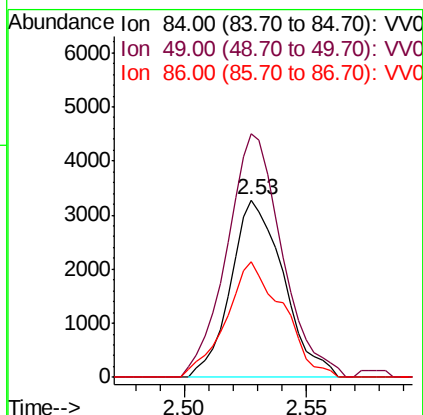
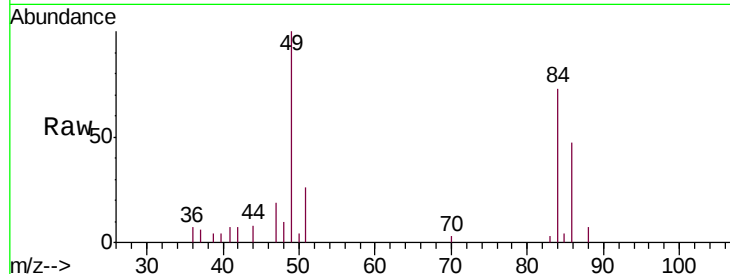




#16
Methylene chloride
Concen: 2.289 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV009961.D
Acq: 28 Mar 2019 13:03

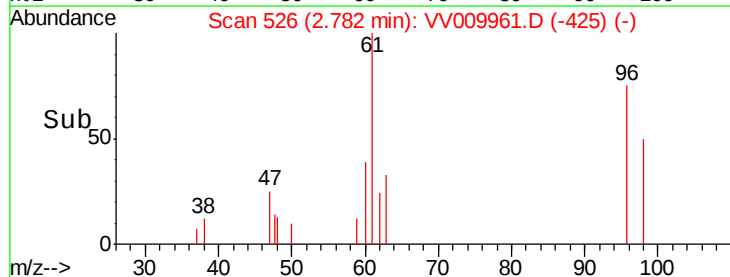
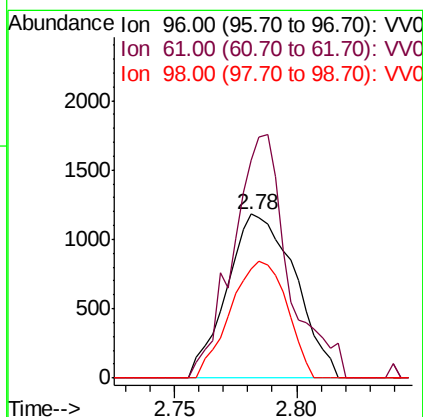
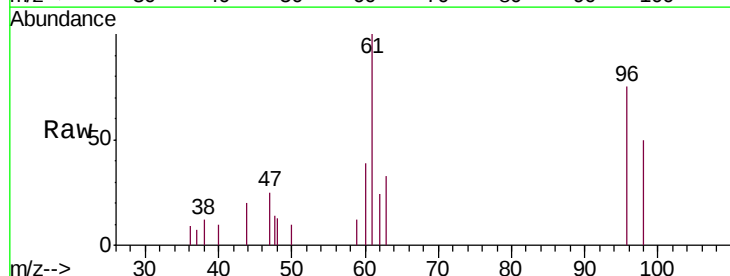
Instrument :
MSVOA_V
ClientSampleId :
BF0K9

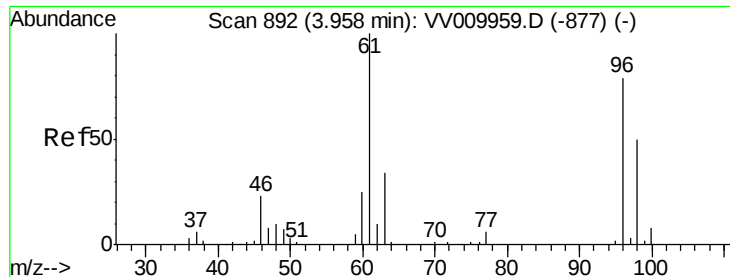
Tgt Ion: 84 Resp: 4922
Ion Ratio Lower Upper
84 100
49 137.5 90.4 167.8
86 65.2 44.0 81.6



#18
trans-1,2-Dichloroethene
Concen: 1.339 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.01 min
Lab File: VV009961.D
Acq: 28 Mar 2019 13:03

Tgt Ion: 96 Resp: 2290
Ion Ratio Lower Upper
96 100
61 132.7 96.8 179.8
98 66.7 46.1 85.7



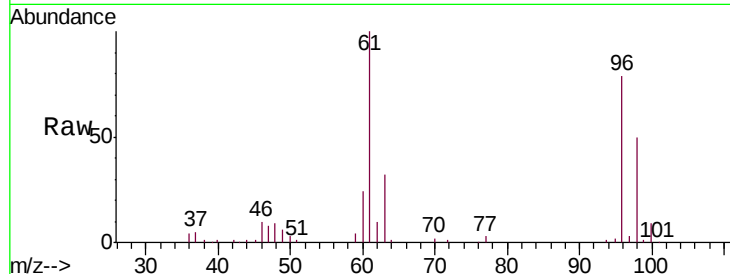


#22

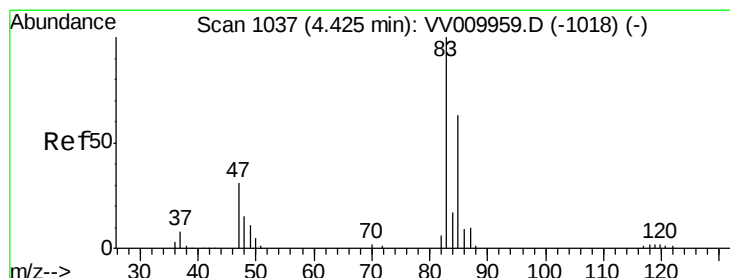
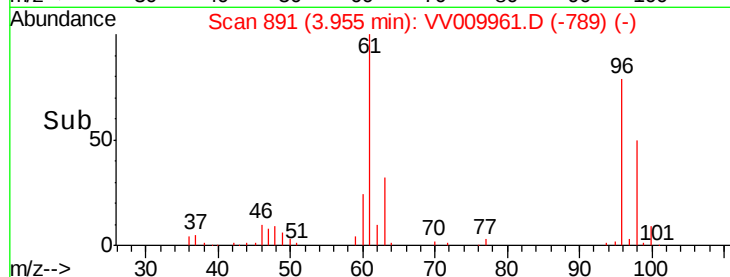
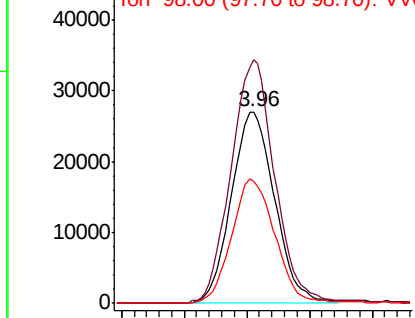
cis-1,2-Dichloroethene
Concen: 34.451 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV009961.D
Acq: 28 Mar 2019 13:03

Instrument :
MSVOA_V
ClientSampleId :
BF0K9

Tgt Ion: 96 Resp: 65075
Ion Ratio Lower Upper
96 100
61 127.2 91.4 169.8
98 64.0 48.0 89.2



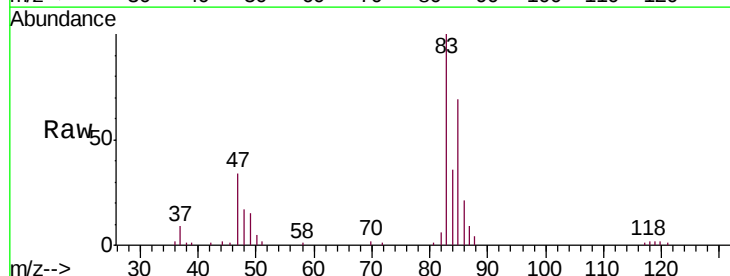
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



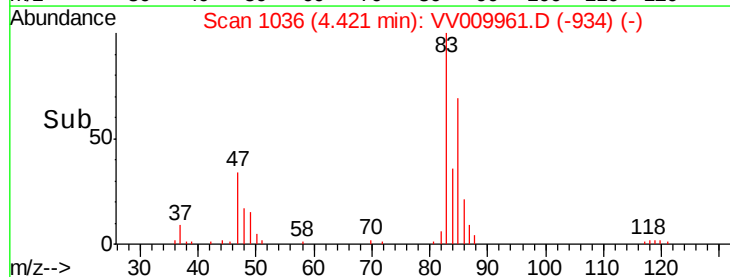
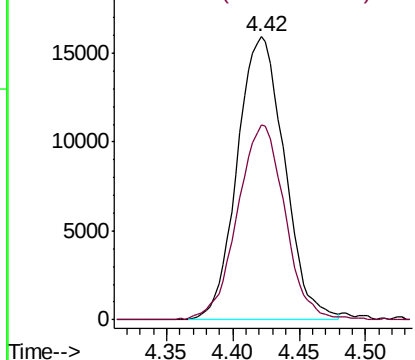
#25

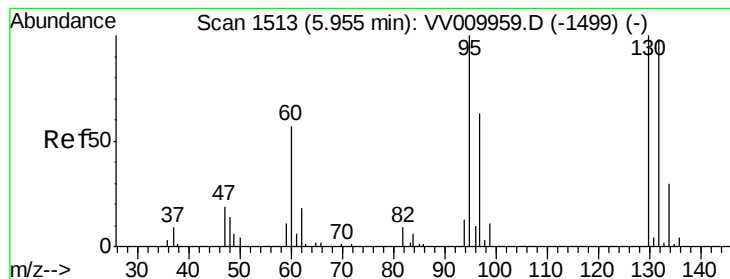
Chloroform
Concen: 11.450 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009961.D
Acq: 28 Mar 2019 13:03

Tgt Ion: 83 Resp: 39605
Ion Ratio Lower Upper
83 100
85 68.6 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0





#35

Trichloroethene

Concen: 2.975 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV009961.D

Acq: 28 Mar 2019 13:03

Instrument :

MSVOA_V

ClientSampleId :

BF0K9

Tgt Ion: 95 Resp: 4688

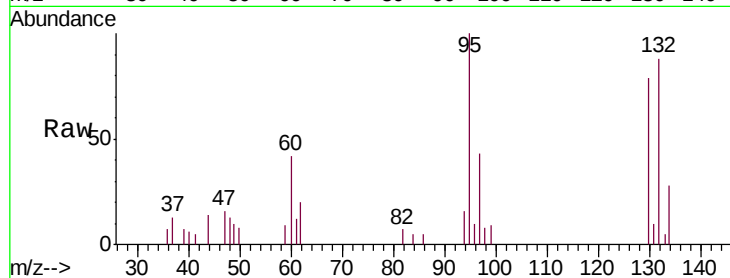
Ion Ratio Lower Upper

95 100

97 50.0 46.3 85.9

132 95.4 69.3 128.7

130 84.9 69.5 129.1

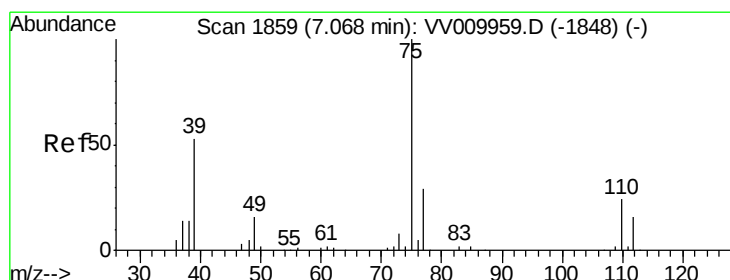
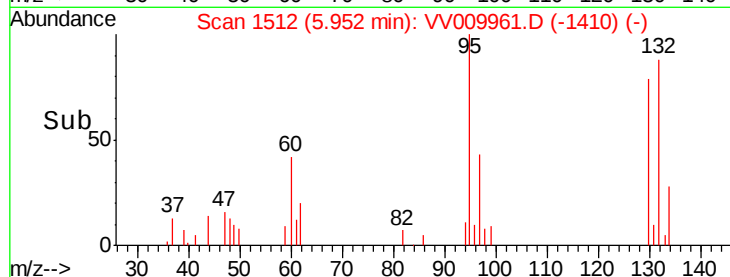
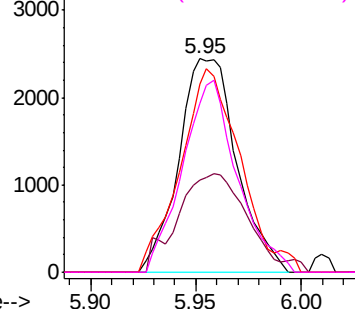


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.631 ug/L

RT: 7.02 min Scan# 1845

Delta R.T. -0.05 min

Lab File: VV009961.D

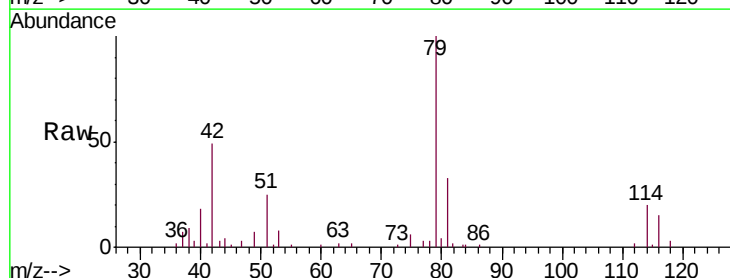
Acq: 28 Mar 2019 13:03

Tgt Ion: 75 Resp: 1373

Ion Ratio Lower Upper

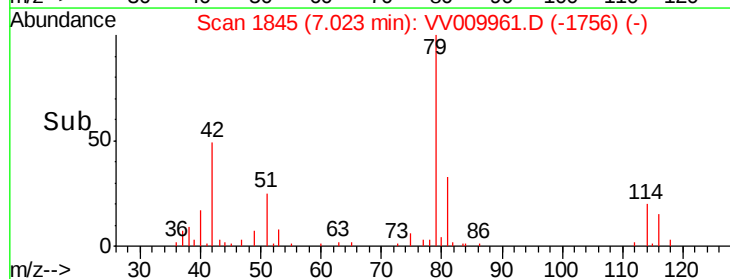
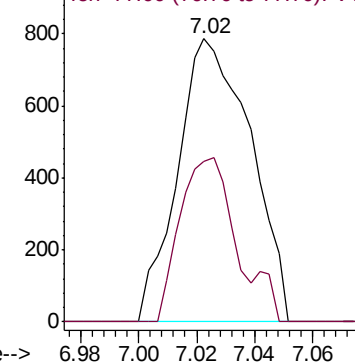
75 100

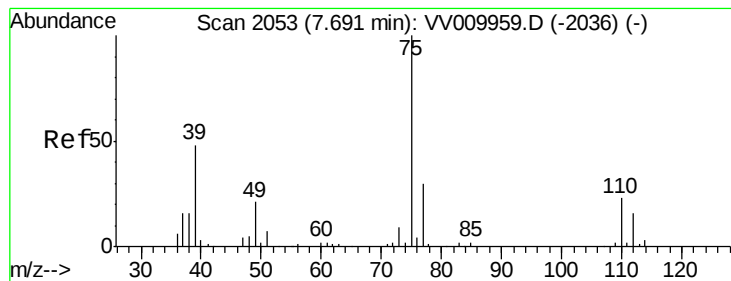
77 56.7 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

trans-1,3-Dichloropropene

Concen: 0.548 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009961.D

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Instrument :

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ClientSampleId :

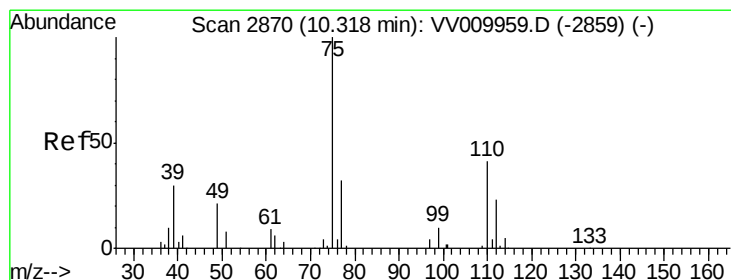
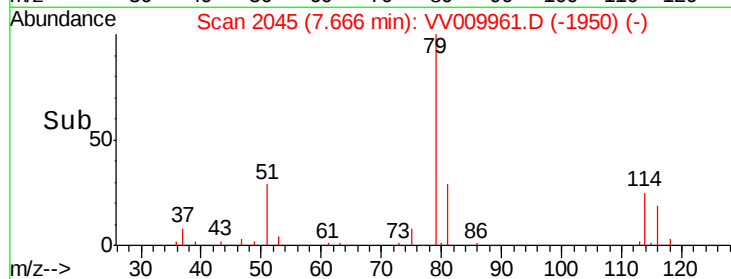
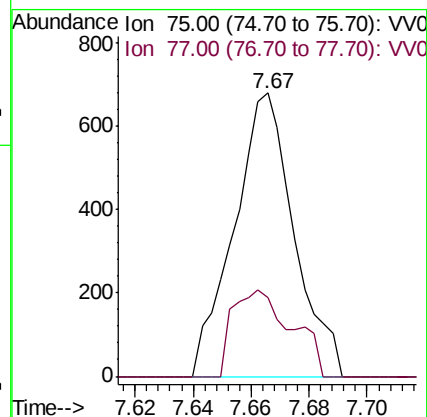
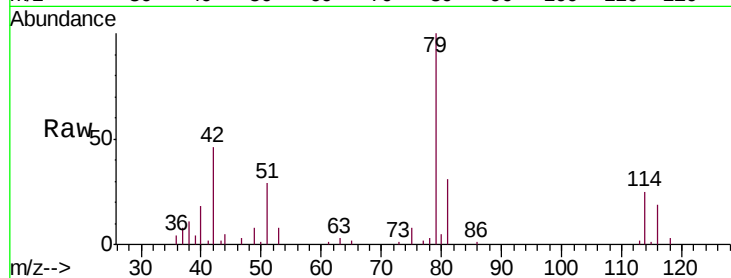
BF0K9

Tgt Ion: 75 Resp: 976

Ion Ratio Lower Upper

75 100

77 27.9 20.7 38.5



#59

1,2,3-Trichloropropane

Concen: 4.459 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009961.D

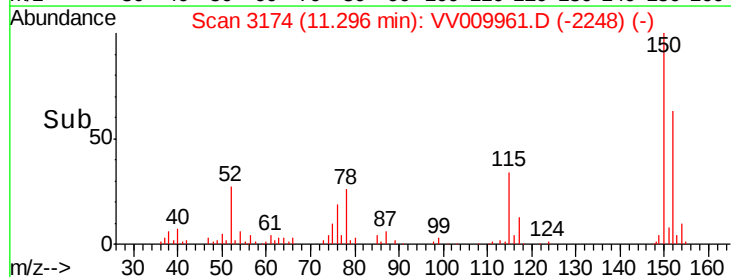
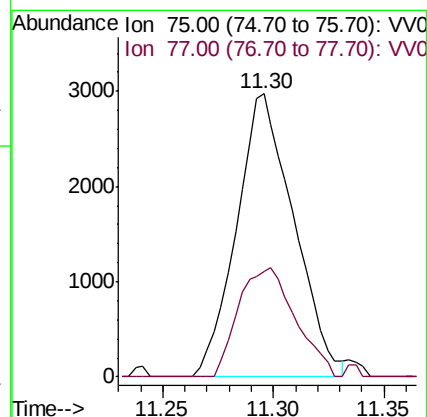
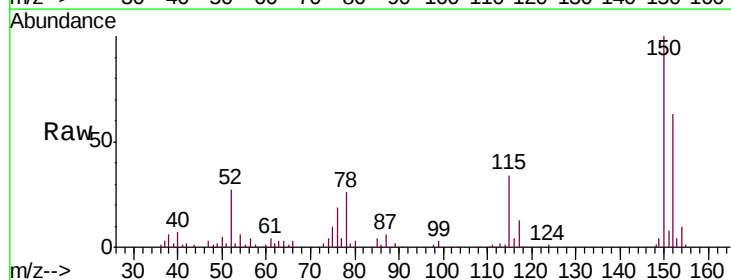
Acq: 28 Mar 2019 13:03

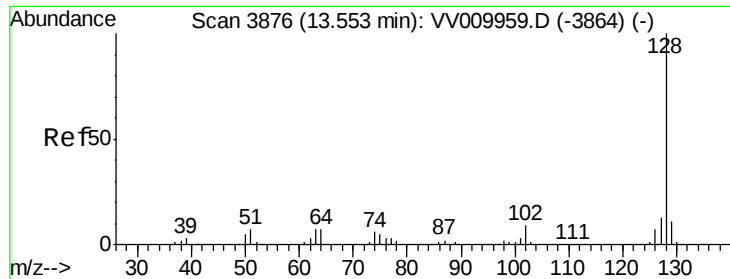
Tgt Ion: 75 Resp: 5357

Ion Ratio Lower Upper

75 100

77 38.4 26.2 39.2





#69

Naphthalene

Concen: 0.287 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.01 min

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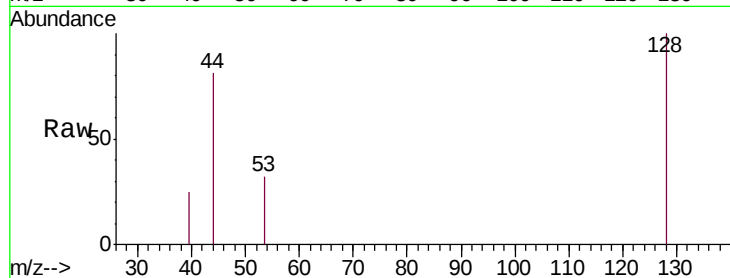
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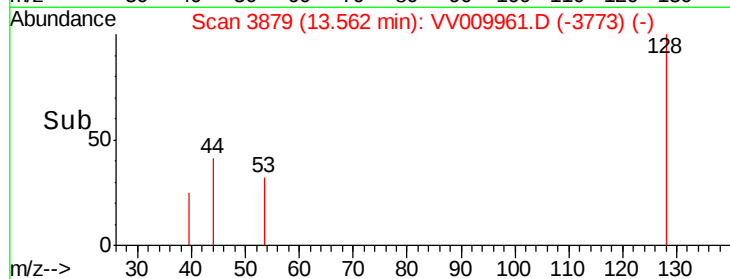
Tgt Ion:128 Resp: 501

Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

127 0.0 11.4 17.2#



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

