

Data File : VV013074.D
Acq On : 09 Oct 2019 14:44
Operator : SY/MD
Sample : K5265-03MSD
Misc : 4.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBAR1MSD

Quant Time: Oct 10 07:51:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 10 07:47:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	210162	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	169986	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	46491	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60843	18.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.64%
7) Chloroethane-d5	1.58	69	61766	23.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.72%
10) 1,1-Dichloroethene-d2	2.13	63	123502	22.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.12%
20) 2-Butanone-d5	3.95	46	41774	37.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.20%
24) Chloroform-d	4.40	84	136380	23.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.48%
26) 1,2-Dichloroethane-d4	5.08	65	75396	22.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.88%
29) Benzene-d6	5.10	84	250694	26.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.64%
33) 1,2-Dichloropropane-d6	6.12	67	84677	28.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.84%
37) Toluene-d8	7.36	98	185687	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.20%
38) trans-1,3-Dichloropropene-	7.66	79	25121	19.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.76%
39) 2-Hexanone-d5	8.14	63	22025	36.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.58%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	63654	22.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	43689	24.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.76%

Target Compounds

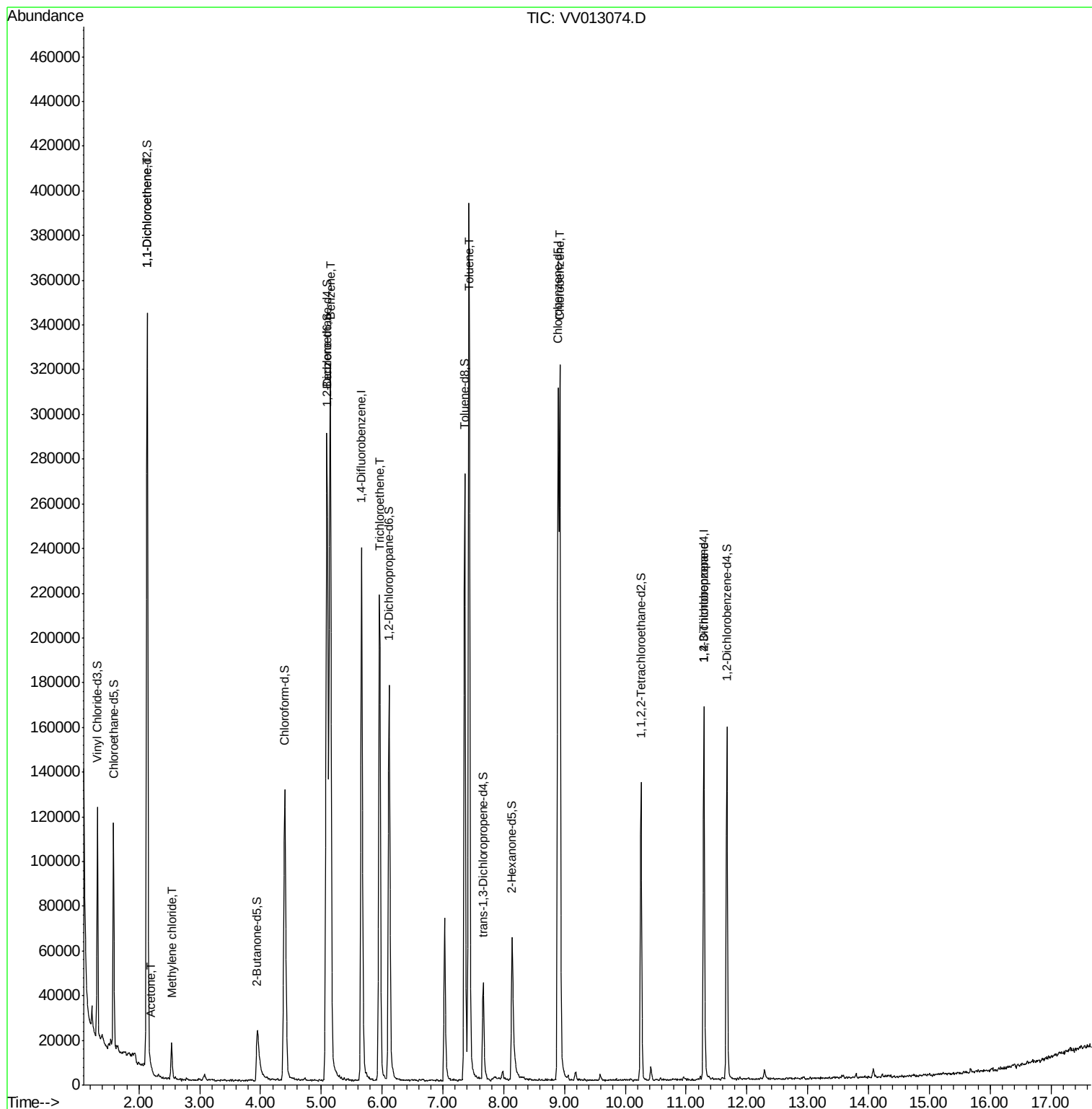
						Qvalue
12) 1,1-Dichloroethene	2.14	96	71733	30.194	ug/L	87
13) Acetone	2.20	43	2890	2.415	ug/L	96
16) Methylene chloride	2.54	84	6364	2.026	ug/L	94
34) Benzene	5.15	78	326058	34.459	ug/L	100
35) Trichloroethene	5.96	95	76071	28.860	ug/L	99
44) Toluene	7.43	91	288737	28.933	ug/L	99
52) Chlorobenzene	8.92	112	169257	24.577	ug/L	98
59) 1,2,3-Trichloropropane	11.29	75	5582	2.617	ug/L #	82

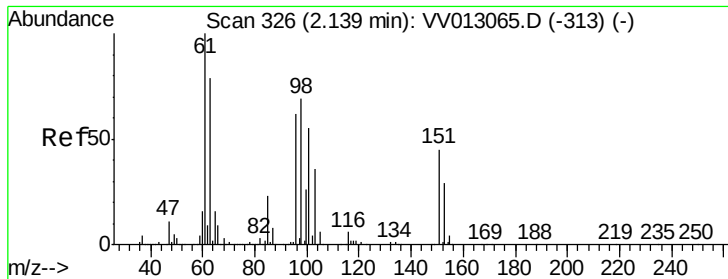
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 30.194 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

DBAR1MSD

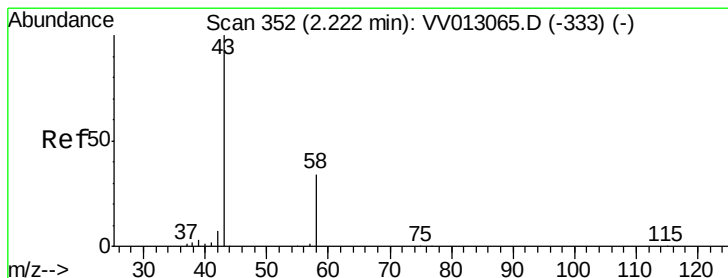
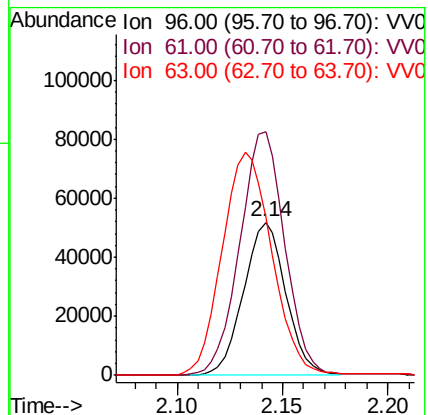
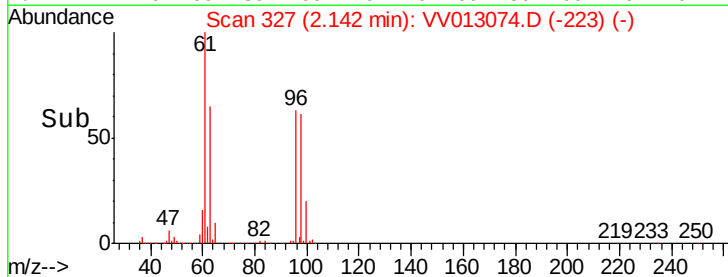
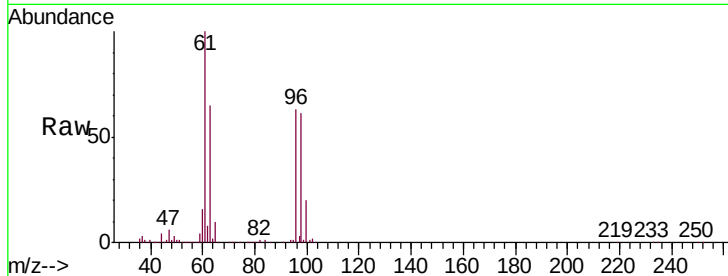
Tgt Ion: 96 Resp: 71733

Ion Ratio Lower Upper

96 100

61 158.9 117.2 217.8

63 102.7 89.6 166.4



#13

Acetone

Concen: 2.415 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.02 min

Lab File: VV013074.D

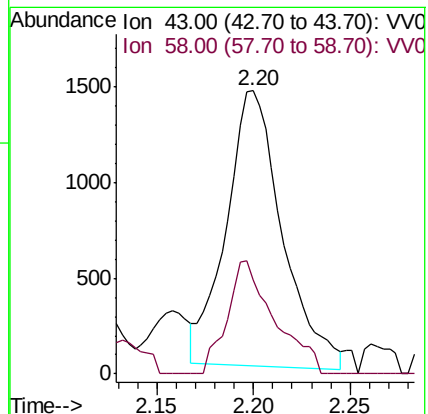
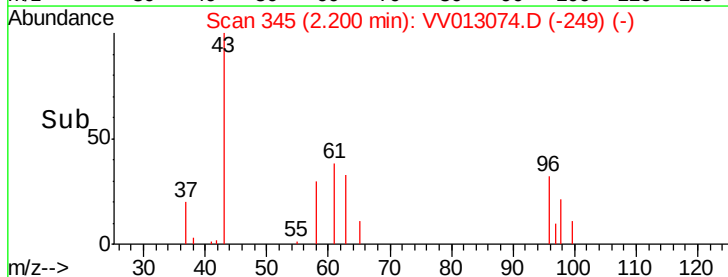
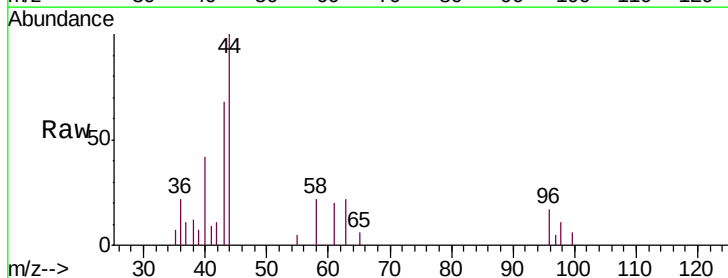
Acq: 09 Oct 2019 14:44

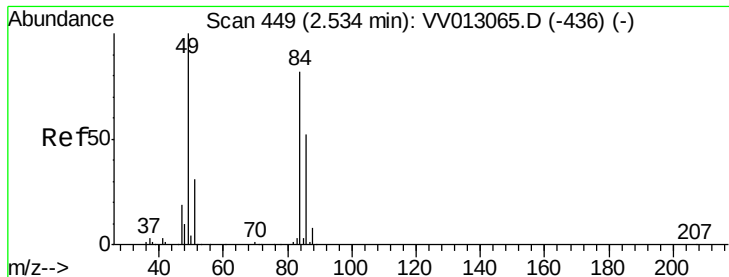
Tgt Ion: 43 Resp: 2890

Ion Ratio Lower Upper

43 100

58 34.8 0.0 65.0

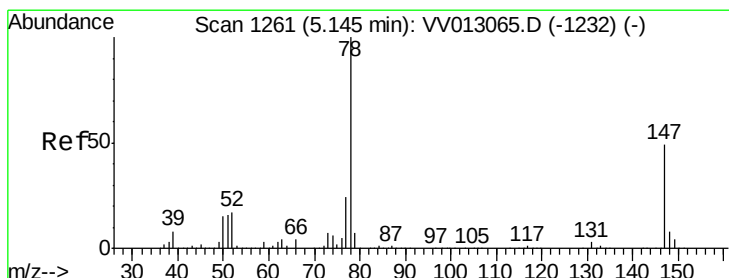
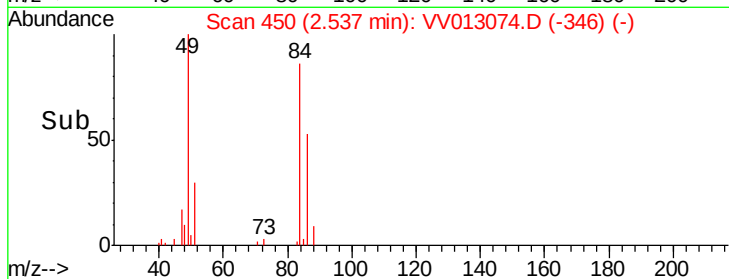
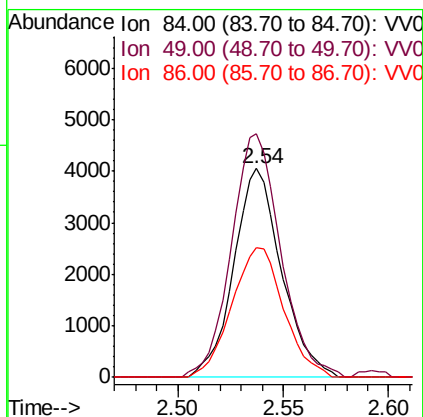
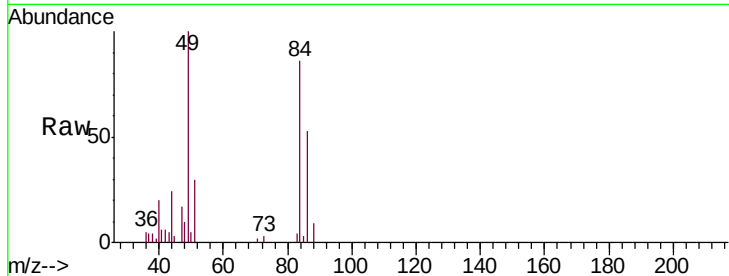




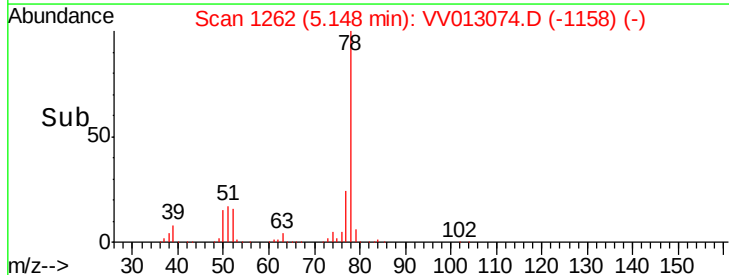
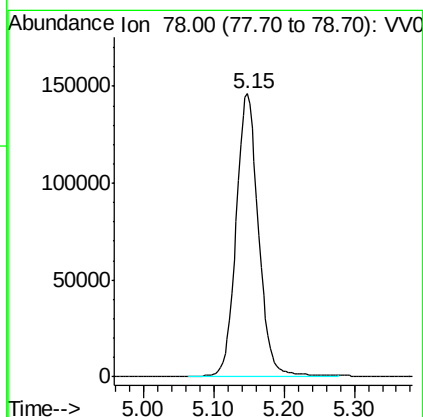
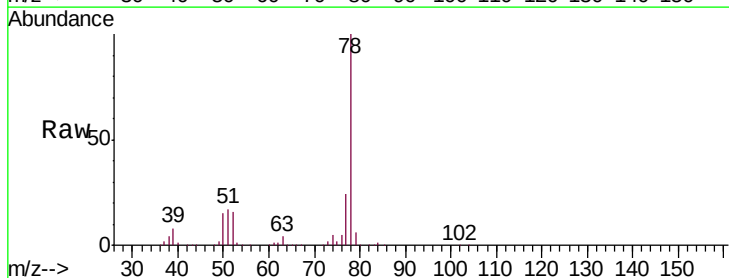
#16
Methylene chloride
Concen: 2.026 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
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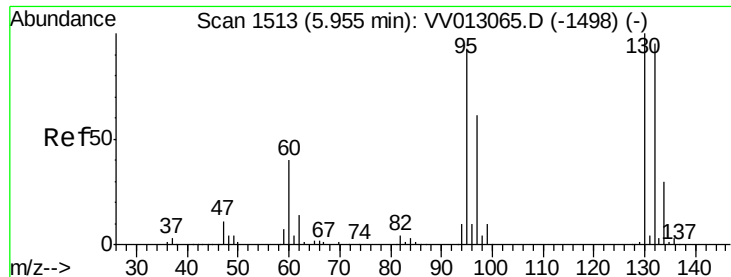
Instrument :
MSVOA_V
ClientSampleId :
DBAR1MSD

Tgt Ion: 84 Resp: 6364
Ion Ratio Lower Upper
84 100
49 116.6 88.3 164.1
86 61.9 44.9 83.3



#34
Benzene
Concen: 34.459 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV013074.D
Acq: 09 Oct 2019 14:44
Tgt Ion: 78 Resp: 326058





#35

Trichloroethene

Concen: 28.860 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013074.D

Acq: 09 Oct 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

DBAR1MSD

Tgt Ion: 95 Resp: 76071

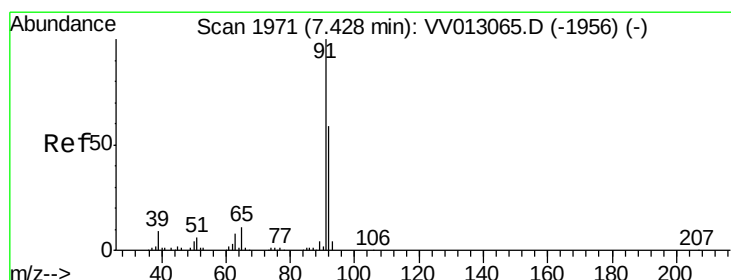
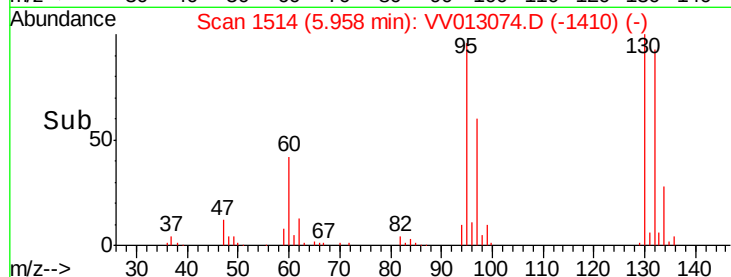
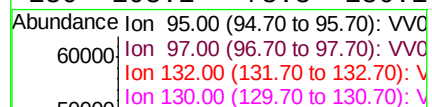
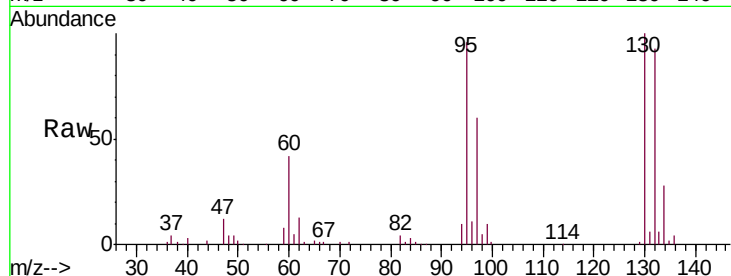
Ion Ratio Lower Upper

95 100

97 63.0 44.7 82.9

132 99.5 70.1 130.1

130 103.1 73.3 136.1



#44

Toluene

Concen: 28.933 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013074.D

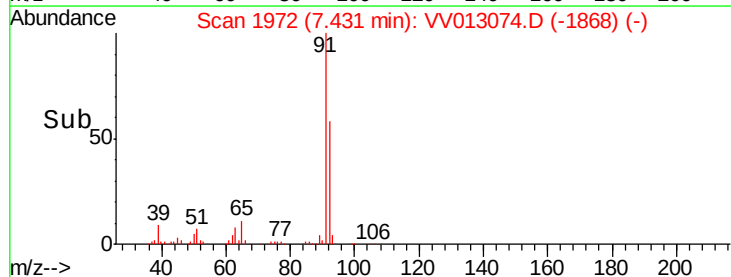
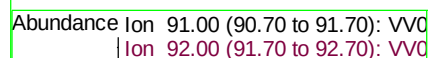
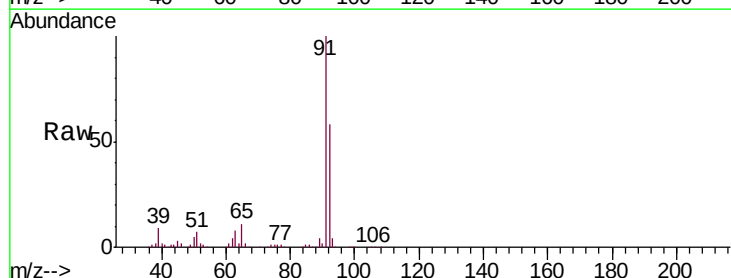
Acq: 09 Oct 2019 14:44

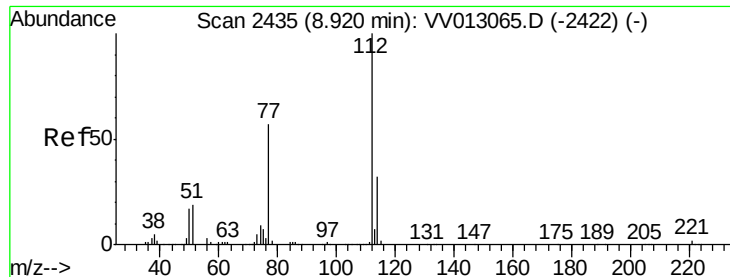
Tgt Ion: 91 Resp: 288737

Ion Ratio Lower Upper

91 100

92 58.4 41.3 76.7





#52

Chlorobenzene

Concen: 24.577 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV013074.D

Acq: 09 Oct 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

DBAR1MSD

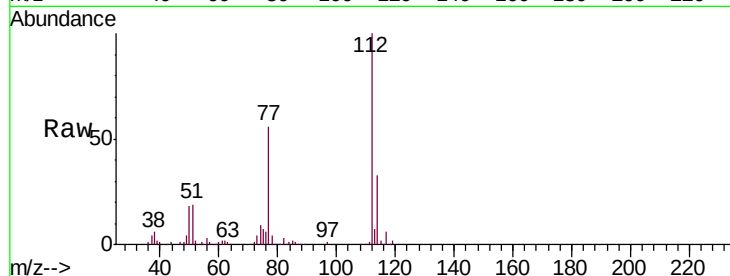
Tgt Ion: 112 Resp: 169257

Ion Ratio Lower Upper

112 100

77 56.4 46.3 69.5

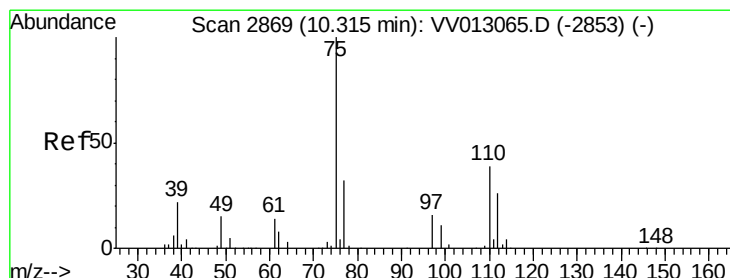
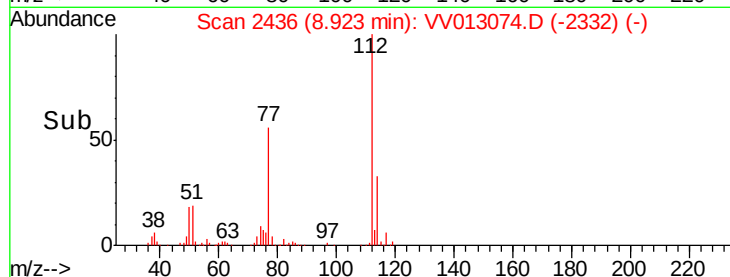
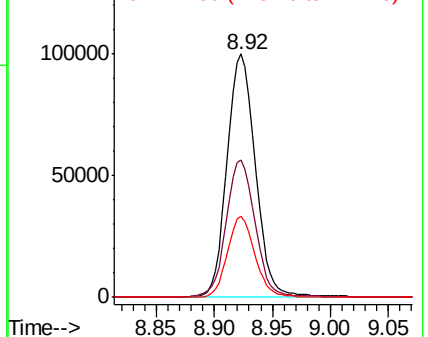
114 33.5 22.5 41.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V



#59

1,2,3-Trichloropropane

Concen: 2.617 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. 0.97 min

Lab File: VV013074.D

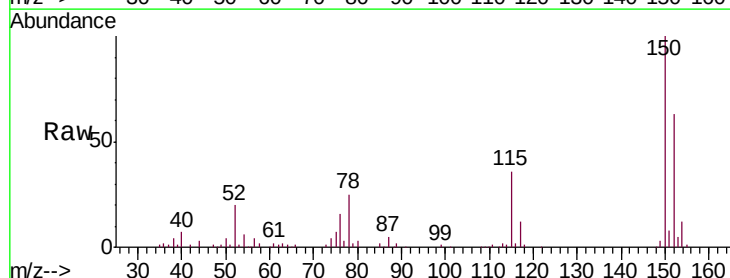
Acq: 09 Oct 2019 14:44

Tgt Ion: 75 Resp: 5582

Ion Ratio Lower Upper

75 100

77 41.6 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

