

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
 Data File : VV011113.D
 Acq On : 29 May 2019 18:08
 Operator : SY/MD
 Sample : K3017-18MS
 Misc : 4.25G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51F0MS

Quant Time: May 30 04:39:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 03:51:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	344093	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	293598	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	96760	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111929	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.92%
7) Chloroethane-d5	1.56	69	86447	25.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.68%
10) 1,1-Dichloroethene-d2	2.12	63	228607	26.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.20%
20) 2-Butanone-d5	3.94	46	109205	67.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.32%
24) Chloroform-d	4.40	84	212220	25.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.72%
26) 1,2-Dichloroethane-d4	5.08	65	140891	26.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.64%
29) Benzene-d6	5.09	84	433953	25.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.96%
33) 1,2-Dichloropropane-d6	6.12	67	145498	26.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.40%
37) Toluene-d8	7.36	98	390416	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.56%
38) trans-1,3-Dichloropropene-	7.66	79	64406	25.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.12%
39) 2-Hexanone-d5	8.13	63	91279	76.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	153.22%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	126664	26.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.72%
61) 1,2-Dichlorobenzene-d4	11.67	152	84844	22.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.68%

Target Compounds

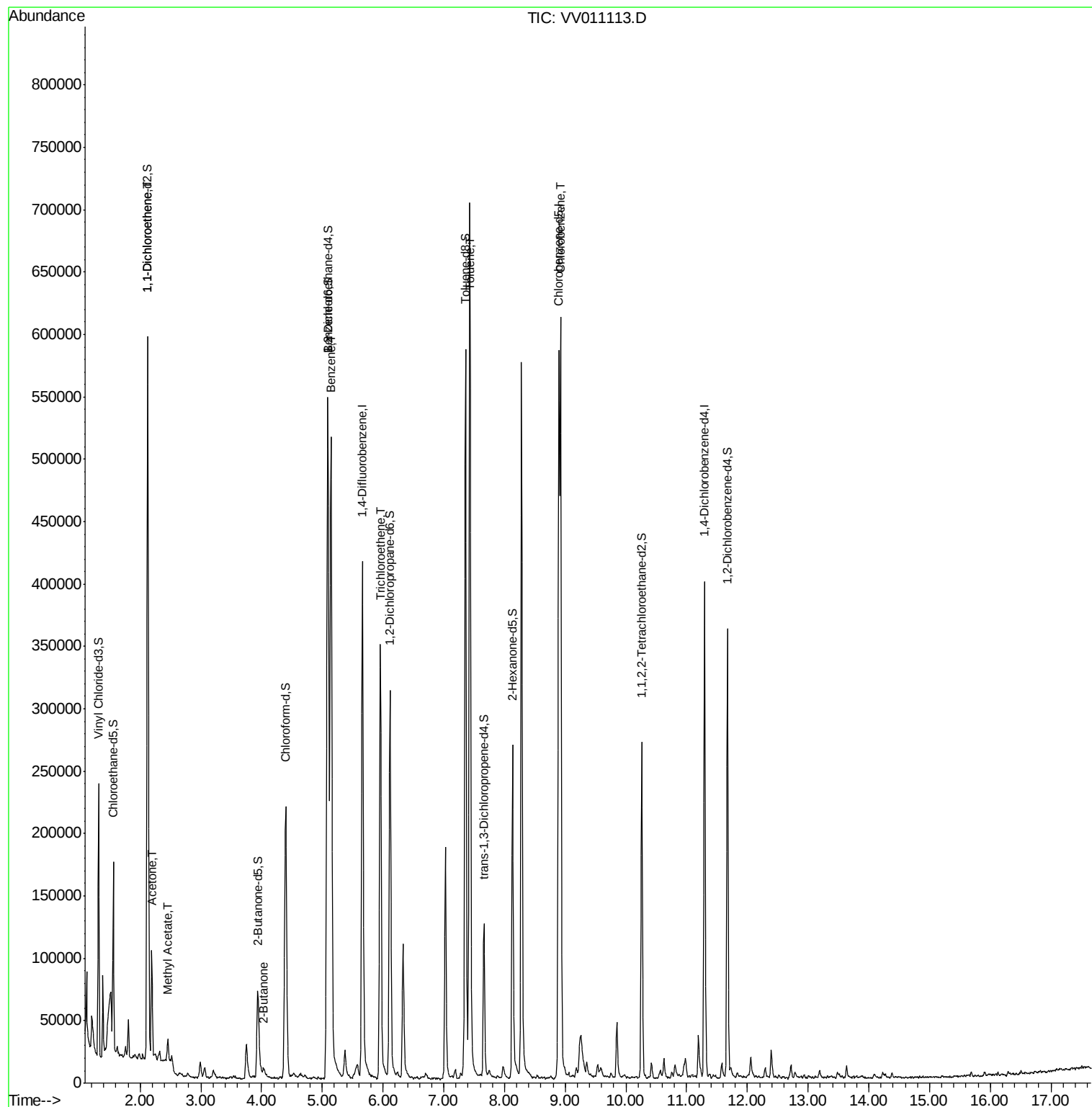
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	98814	28.604	ug/L	93
13) Acetone	2.19	43	82688	44.891	ug/L	98
15) Methyl Acetate	2.46	43	17439	6.559	ug/L #	100
21) 2-Butanone	4.04	43	10199	4.496	ug/L	84
34) Benzene	5.14	78	486846	27.422	ug/L	100
35) Trichloroethene	5.96	95	117411	25.321	ug/L	99
44) Toluene	7.43	91	505688	26.197	ug/L	98
52) Chlorobenzene	8.92	112	290074	24.248	ug/L	99

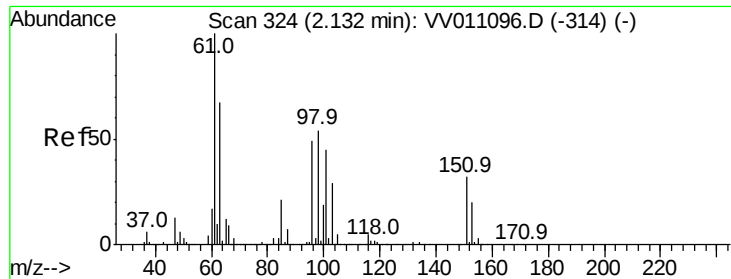
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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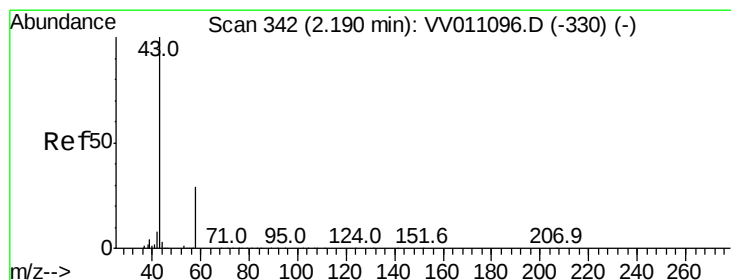
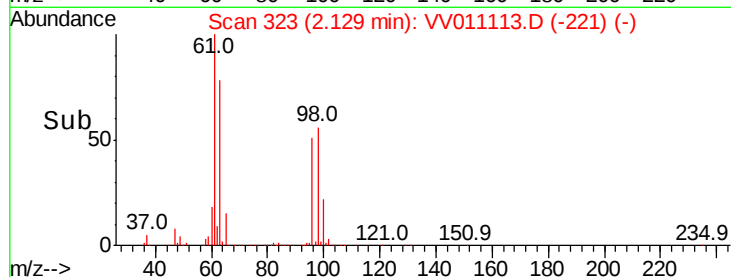
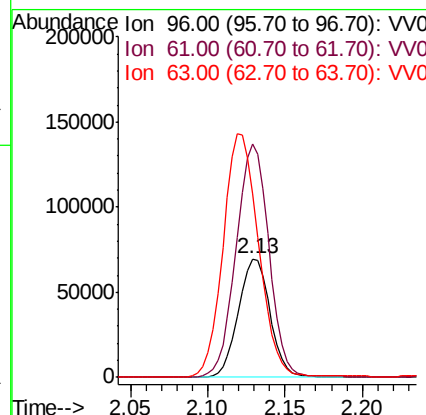
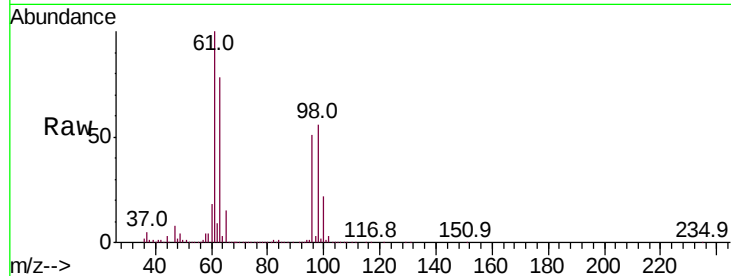




#12
 1,1-Dichloroethene
 Concen: 28.604 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VV011113.D
 Acq: 29 May 2019 18:08

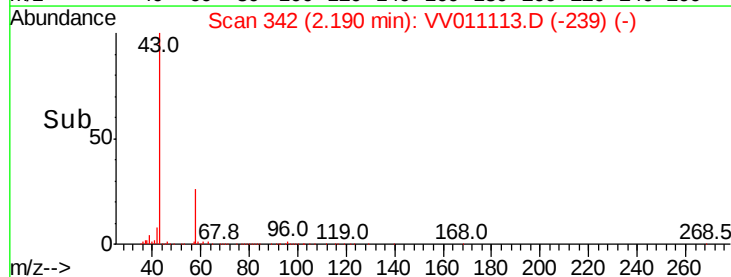
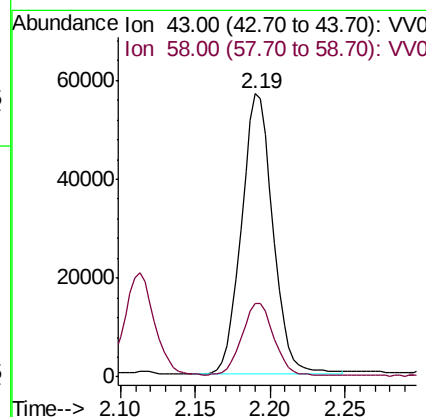
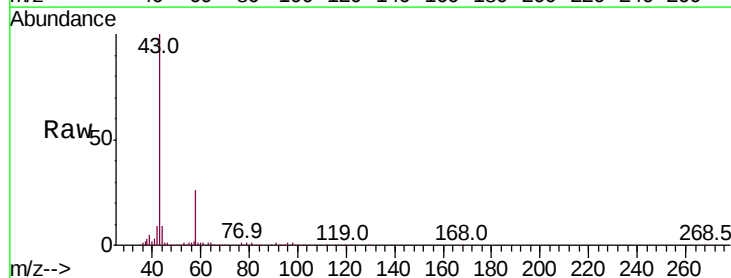
Instrument :
 MSVOA_V
 ClientSampleId :
 A51F0MS

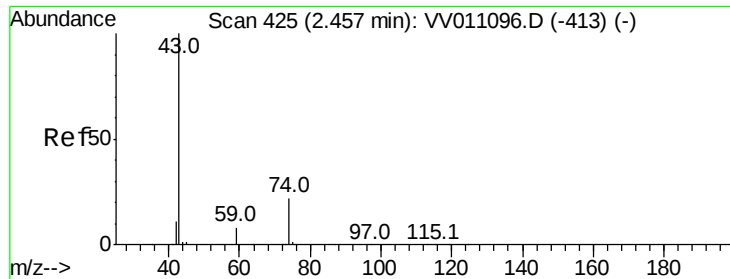
Tot Ion: 96 Resp: 98814
 Ion Ratio Lower Upper
 96 100
 61 197.1 134.1 249.1
 63 154.5 98.1 182.3



#13
 Acetone
 Concen: 44.891 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VV011113.D
 Acq: 29 May 2019 18:08

Tgt Ion: 43 Resp: 82688
 Ion Ratio Lower Upper
 43 100
 58 26.4 0.0 54.8

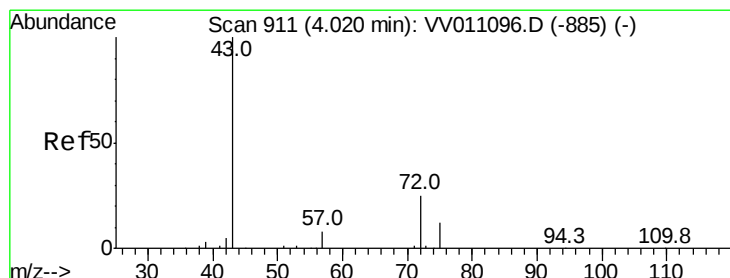
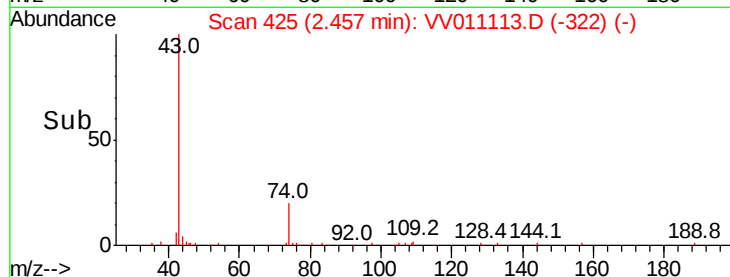
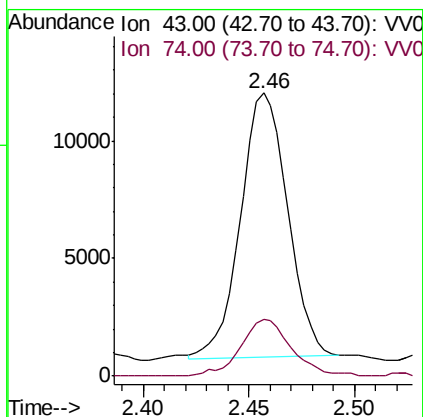
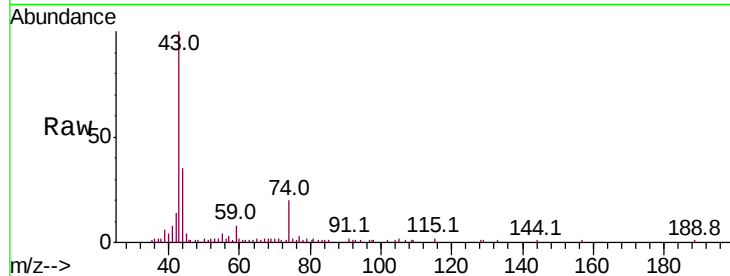




#15
Methvl Acetate
Concen: 6.559 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV011113.D
Acq: 29 May 2019 18:08

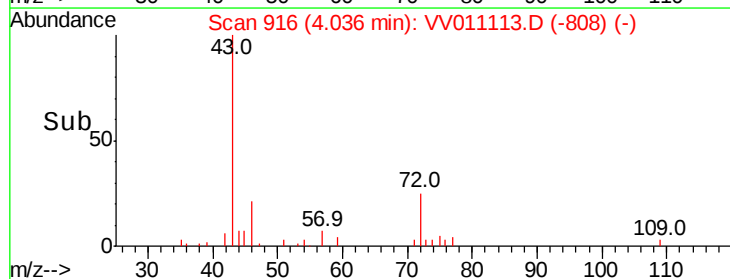
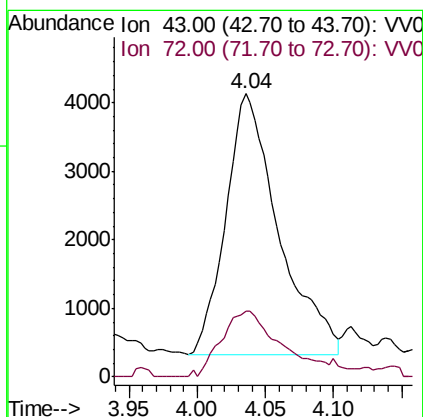
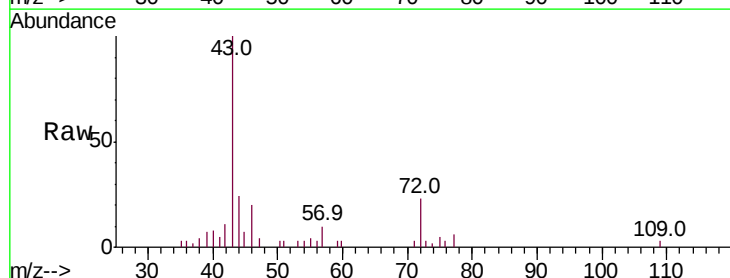
Instrument :
MSVOA_V
ClientSampled :
A51F0MS

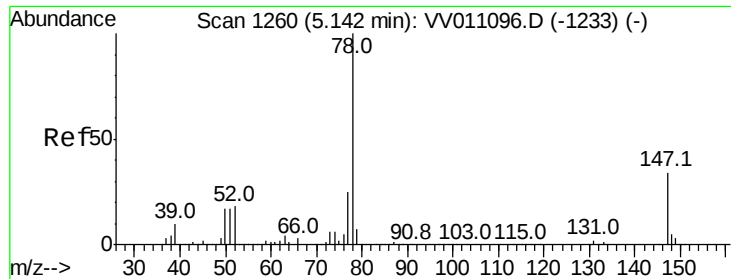
Tot Ion: 43 Resp: 17439
Ion Ratio Lower Upper
43 100
74 20.4 0.0 0.0#



#21
2-Butanone
Concen: 4.496 ug/L
RT: 4.04 min Scan# 916
Delta R.T. 0.02 min
Lab File: VV011113.D
Acq: 29 May 2019 18:08

Tgt Ion: 43 Resp: 10199
Ion Ratio Lower Upper
43 100
72 28.7 10.7 31.9





#34

Benzene

Concen: 27.422 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VV011113.D

Acq: 29 May 2019 18:08

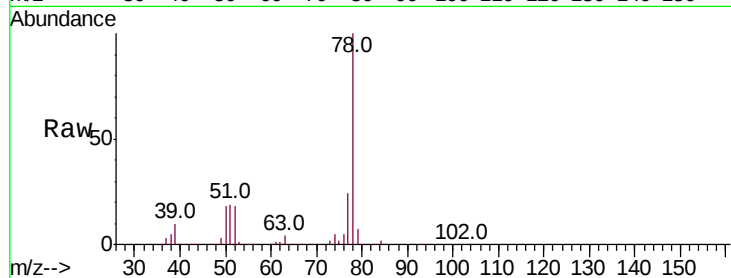
Instrument :

MSVOA_V

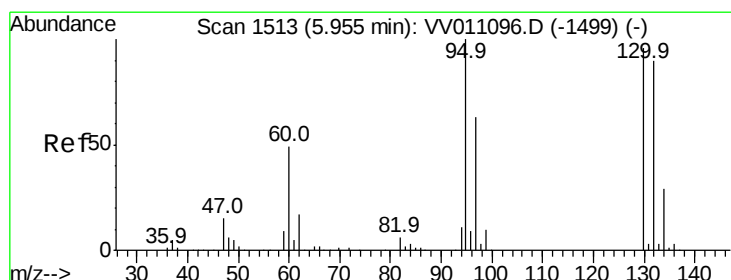
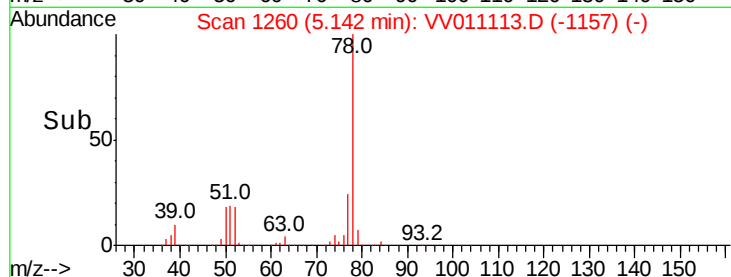
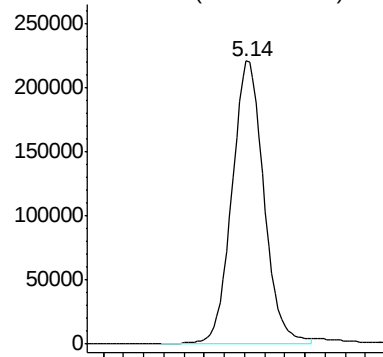
ClientSampleId :

A51F0MS

Tgt Ion: 78 Resp: 486846



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 25.321 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011113.D

Acq: 29 May 2019 18:08

Tgt Ion: 95 Resp: 117411

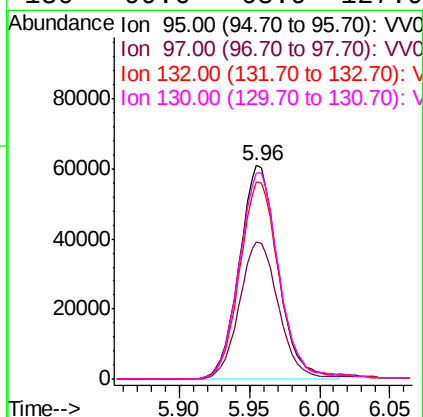
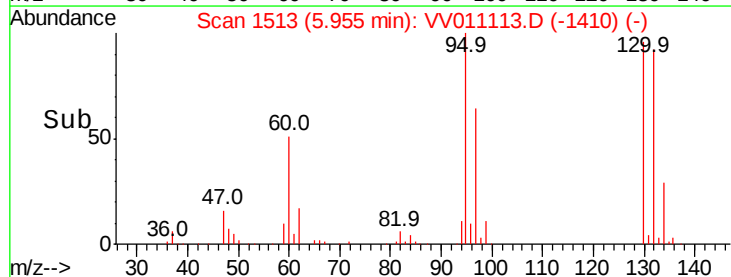
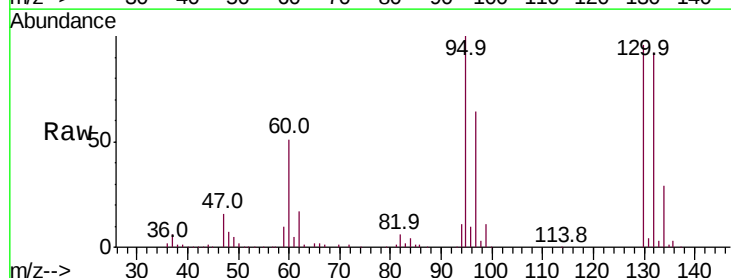
Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.4	84.4
132	93.3	66.1	122.8
130	99.6	68.9	127.9

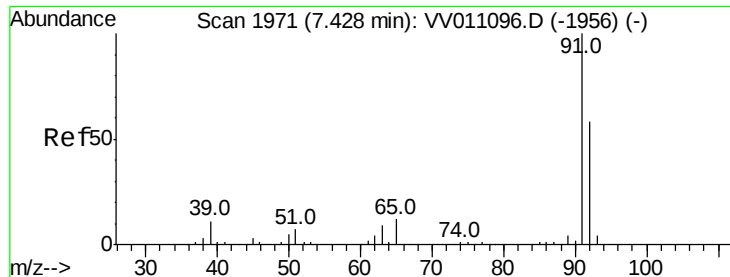
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#44

Toluene

Concen: 26.197 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011113.D

Acq: 29 May 2019 18:08

Instrument :

MSVOA_V

ClientSampleId :

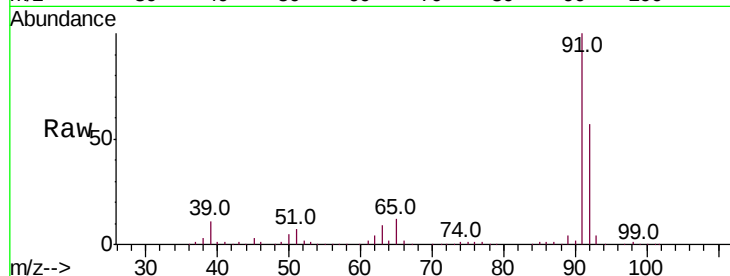
A51F0MS

Tot Ion: 91 Resp: 505688

Ion Ratio Lower Upper

91 100

92 57.4 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV011096.D (-1956) (-)

Ion 92.00 (91.70 to 92.70): VV011096.D (-1956) (-)

7.43

300000

250000

200000

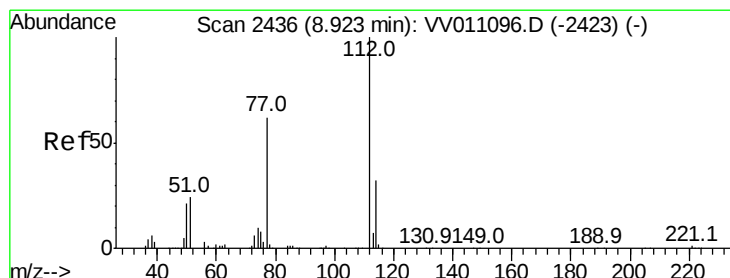
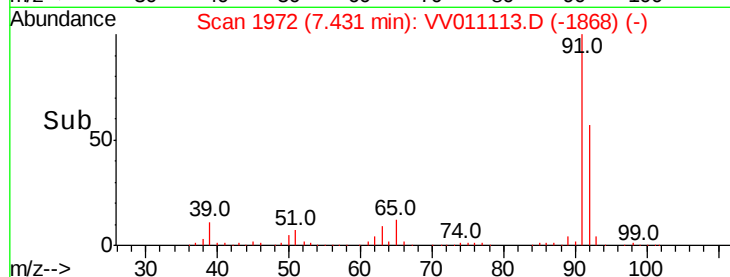
150000

100000

50000

0

Time-->



#52

Chlorobenzene

Concen: 24.248 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV011113.D

Acq: 29 May 2019 18:08

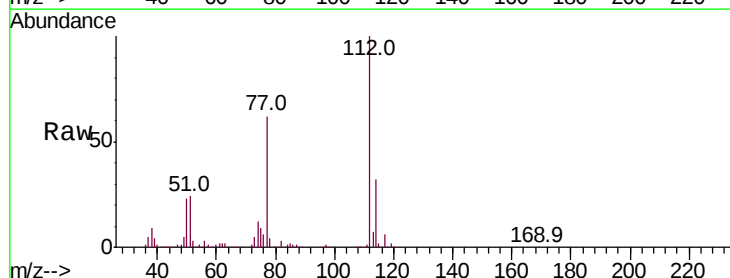
Tgt Ion: 112 Resp: 290074

Ion Ratio Lower Upper

112 100

77 62.2 50.8 76.2

114 31.8 22.7 42.1



Abundance Ion 112.00 (111.70 to 112.70): VV011096.D (-2423) (-)

Ion 77.00 (76.70 to 77.70): VV011096.D (-2423) (-)

Ion 114.00 (113.70 to 114.70): VV011096.D (-2423) (-)

8.92

200000

150000

100000

50000

0

Time-->

