

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
 Data File : VV010403.D
 Acq On : 20 Apr 2019 00:32
 Operator : SY/MD
 Sample : K2456-19MS
 Misc : 5.04G/10mL/MSVOA V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAHN8MS

Quant Time: Apr 20 05:52:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 20 04:30:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	341201	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	339645	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	177664	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84053	19.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.60%
7) Chloroethane-d5	1.57	69	76335	20.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.88%
10) 1,1-Dichloroethene-d2	2.13	63	186325	17.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.28%
20) 2-Butanone-d5	3.94	46	67459	50.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.00%
24) Chloroform-d	4.40	84	186034	20.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.96%
26) 1,2-Dichloroethane-d4	5.08	65	131342	24.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.20%
29) Benzene-d6	5.10	84	349475	20.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.40%
33) 1,2-Dichloropropane-d6	6.12	67	109797	21.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.32%
37) Toluene-d8	7.36	98	344681	20.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.48%
38) trans-1,3-Dichloropropene-	7.66	79	48421	19.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.40%
39) 2-Hexanone-d5	8.13	63	52203	46.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.16%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	115657	22.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	159134	22.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.12%

Target Compounds

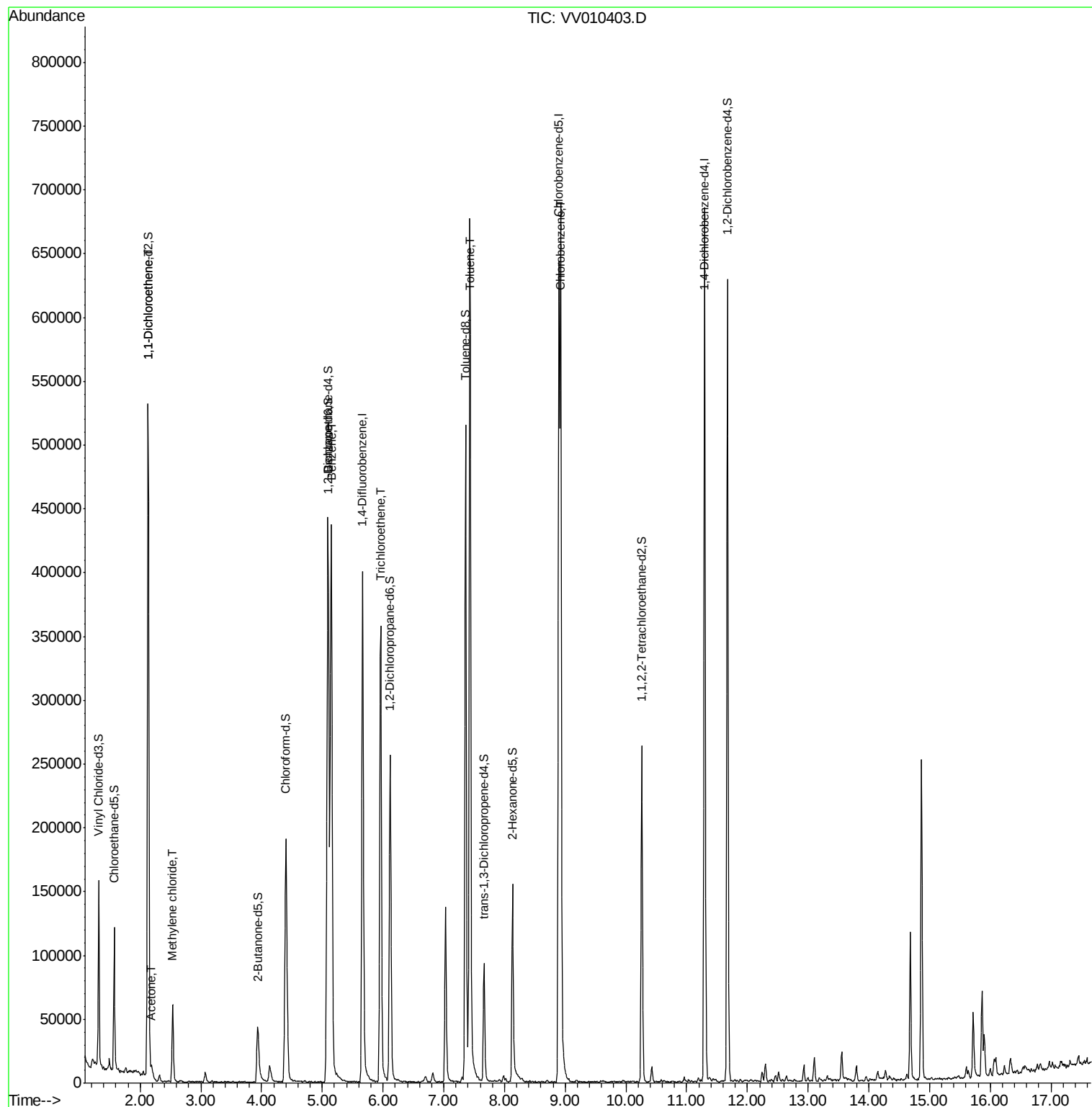
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.14	96	112403	25.359	ug/L	84
13) Acetone	2.19	43	2845	1.998	ug/L	88
16) Methylene chloride	2.54	84	25871	4.747	ug/L	90
34) Benzene	5.15	78	419580	25.315	ug/L	100
35) Trichloroethene	5.96	95	121028	24.681	ug/L	97
44) Toluene	7.43	91	496386	26.566	ug/L	98
52) Chlorobenzene	8.93	112	348366	26.795	ug/L	97

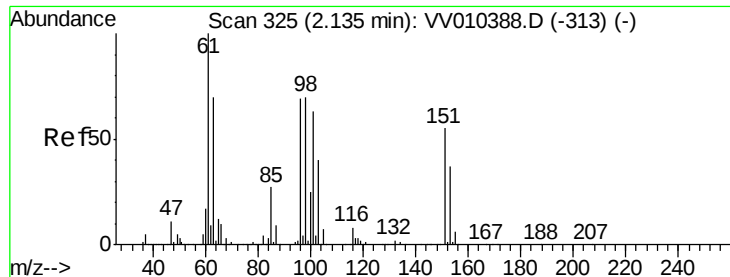
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 20 04:30:57 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 25.359 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010403.D

Acq: 20 Apr 2019 00:32

Instrument :

MSVOA_V

ClientSampleId :

GAHN8MS

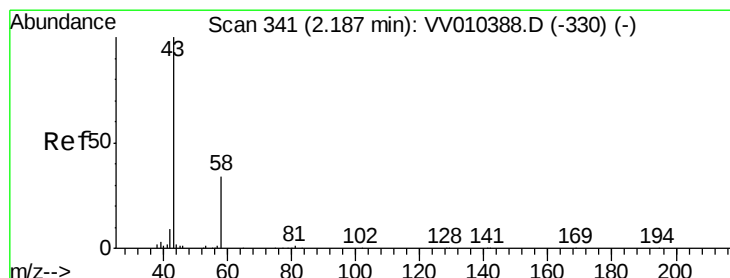
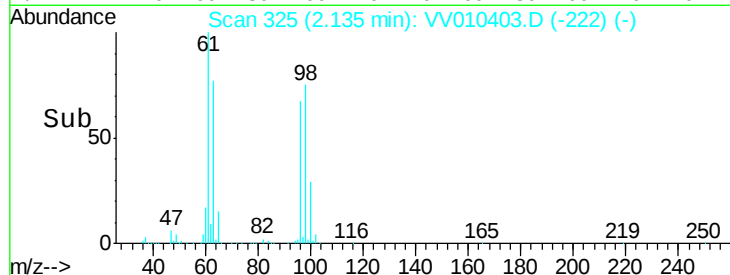
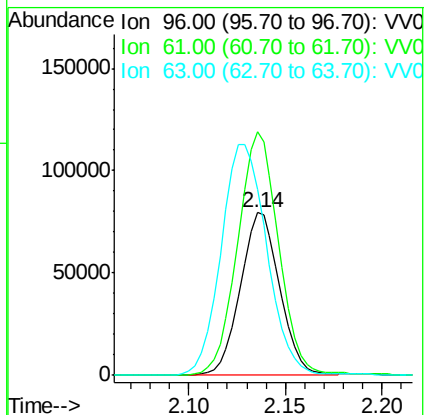
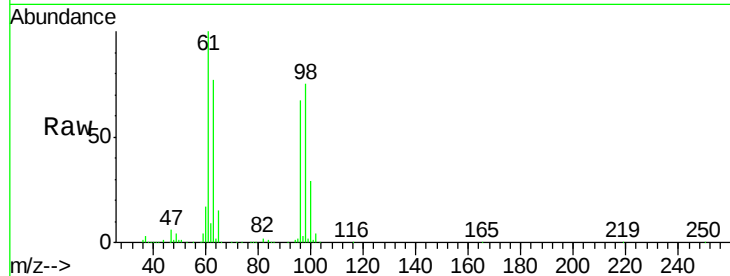
Tot Ion: 96 Resp: 112403

Ion Ratio Lower Upper

96 100

61 149.8 124.7 231.5

63 114.7 88.7 164.7



#13

Acetone

Concen: 1.998 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010403.D

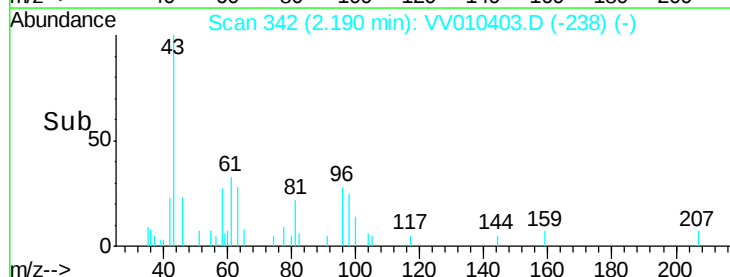
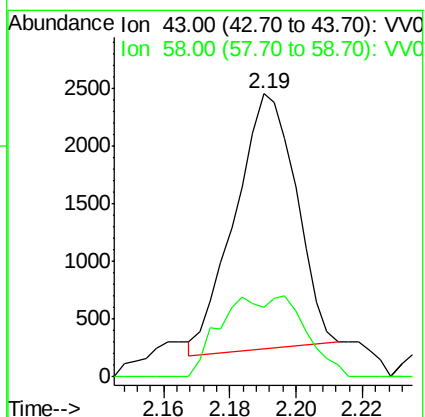
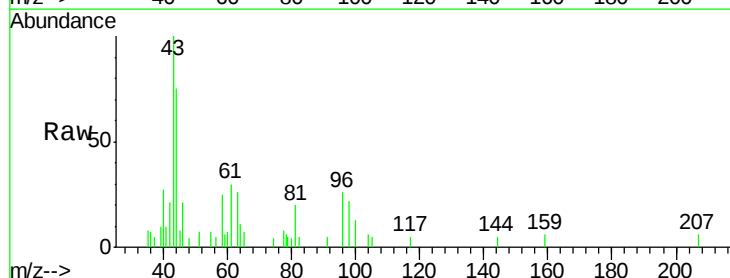
Acq: 20 Apr 2019 00:32

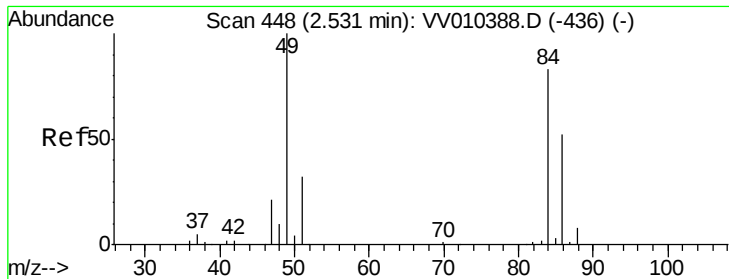
Tgt Ion: 43 Resp: 2845

Ion Ratio Lower Upper

43 100

58 23.8 0.0 60.0

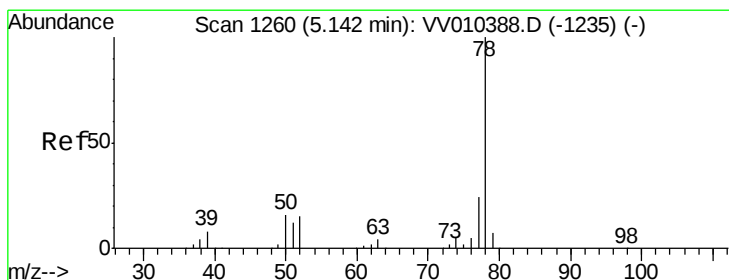
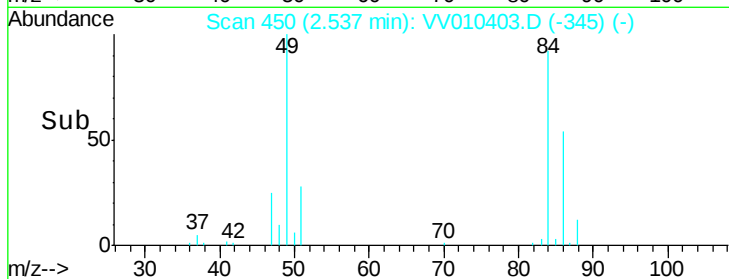
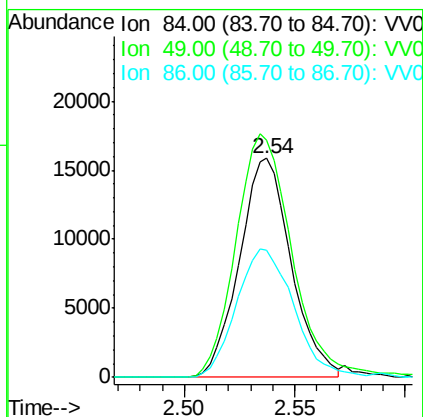
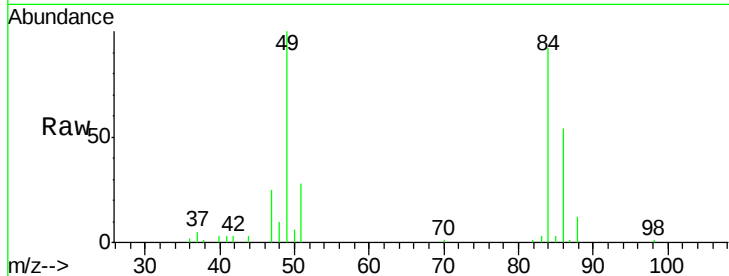




#16
Methvlene chloride
Concen: 4.747 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV010403.D
Acq: 20 Apr 2019 00:32

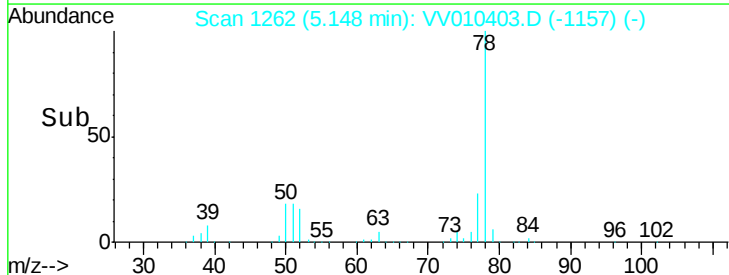
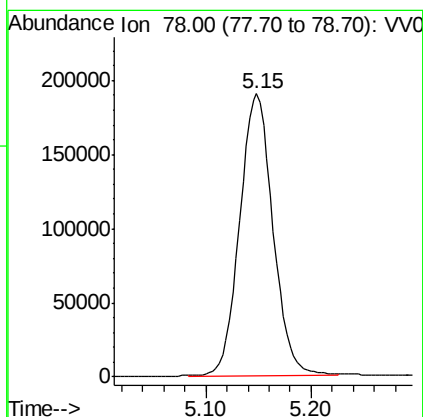
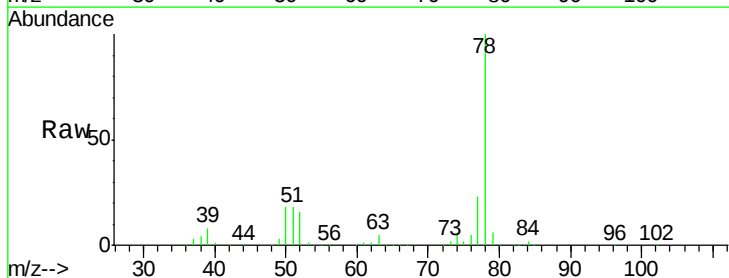
Instrument :
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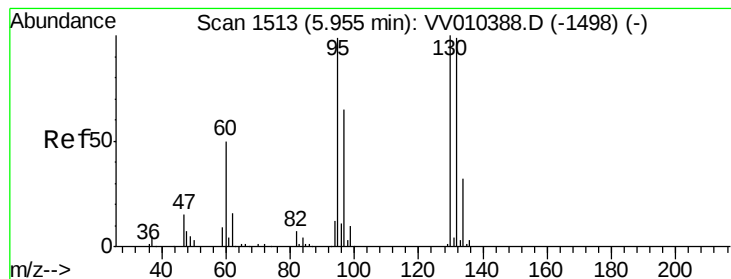
Tot Ion: 84 Resp: 25871
Ion Ratio Lower Upper
84 100
49 108.3 83.8 155.6
86 58.1 46.1 85.5



#34
Benzene
Concen: 25.315 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV010403.D
Acq: 20 Apr 2019 00:32

Tgt Ion: 78 Resp: 419580





#35

Trichloroethene

Concen: 24.681 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV010403.D

Acq: 20 Apr 2019 00:32

Instrument :

MSVOA_V

ClientSampleId :

GAHN8MS

Tot Ion: 95 Resp: 121028

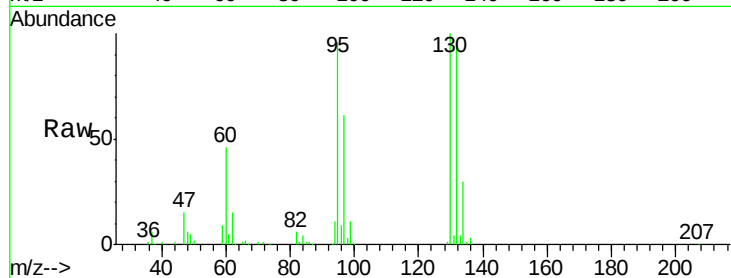
Ion Ratio Lower Upper

95 100

97 65.1 45.6 84.8

132 99.5 71.5 132.7

130 101.3 74.0 137.4

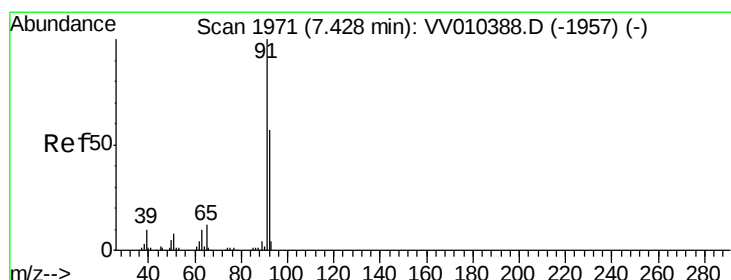
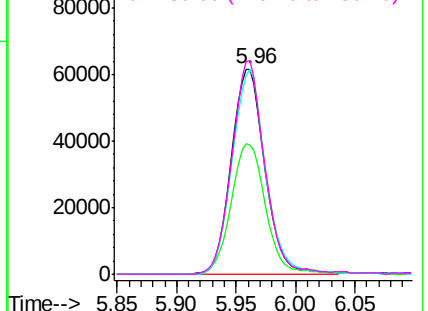
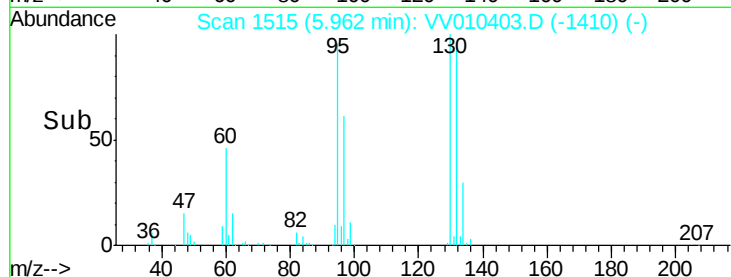


Abundance Ion 95.00 (94.70 to 95.70): VV010403.D (-1410) (-)

Ion 97.00 (96.70 to 97.70): VV010403.D (-1410) (-)

Ion 132.00 (131.70 to 132.70): VV010403.D (-1410) (-)

Ion 130.00 (129.70 to 130.70): VV010403.D (-1410) (-)



#44

Toluene

Concen: 26.566 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010403.D

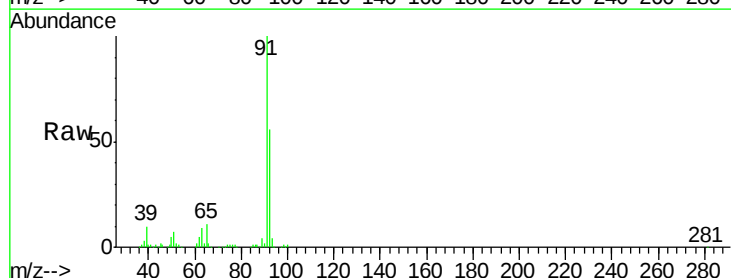
Acq: 20 Apr 2019 00:32

Tgt Ion: 91 Resp: 496386

Ion Ratio Lower Upper

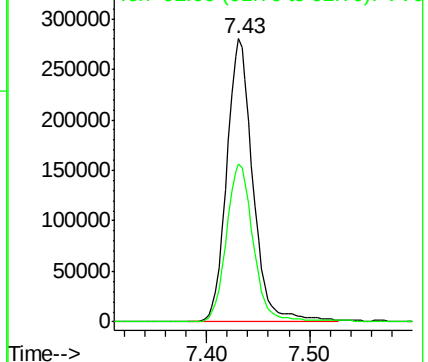
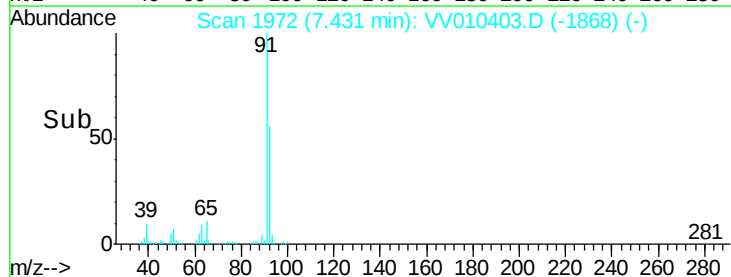
91 100

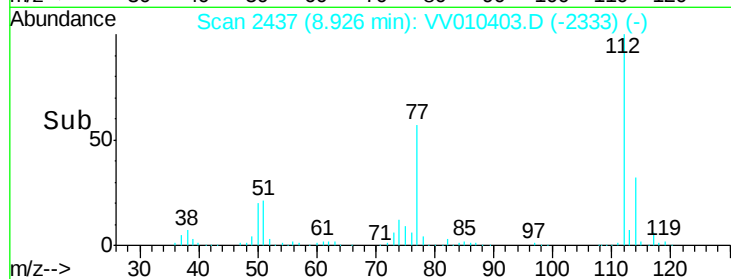
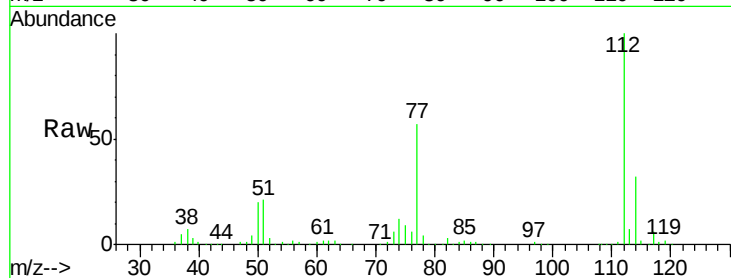
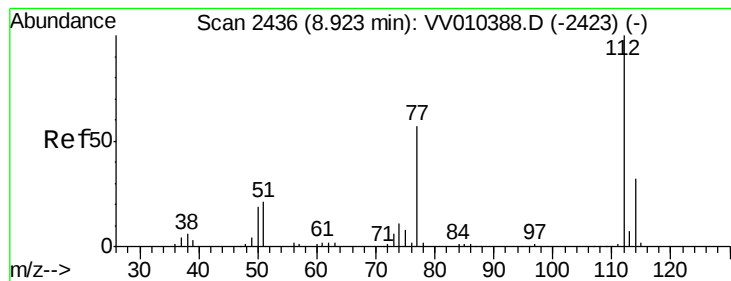
92 55.7 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010403.D (-1868) (-)

Ion 92.00 (91.70 to 92.70): VV010403.D (-1868) (-)





#52

Chlorobenzene

Concen: 26.795 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010403.D

Acq: 20 Apr 2019 00:32

Instrument :

MSVOA_V

ClientSampleId :

GAHN8MS

Tot Ion:112 Resp: 348366

Ion Ratio Lower Upper

112 100

77 56.7 43.0 64.4

114 32.5 22.5 41.9

