

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
 Data File : VV009085.D
 Acq On : 20 Dec 2018 15:35
 Operator : SY/MD
 Sample : J6441-07
 Misc : 4.19 G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BE7Z6

Quant Time: Dec 21 00:51:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 00:25:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	234893	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	143874	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	35204	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	55593	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.48%
7) Chloroethane-d5	1.58	69	59530	33.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	132.60%
10) 1,1-Dichloroethene-d2	2.13	63	111013	18.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.08%
20) 2-Butanone-d5	3.93	46	39361	44.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.96%
24) Chloroform-d	4.40	84	141169	25.00	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.08	65	78882	25.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.40%
29) Benzene-d6	5.10	84	281857	35.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	140.32%#
33) 1,2-Dichloropropane-d6	6.12	67	83890	37.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	149.16%#
37) Toluene-d8	7.36	98	209156	28.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.52%
38) trans-1,3-Dichloropropene-	7.66	79	28268	28.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	114.40%
39) 2-Hexanone-d5	8.14	63	21816	52.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.88%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47915	25.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.56%
61) 1,2-Dichlorobenzene-d4	11.68	152	31569	23.89	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.56%

Target Compounds

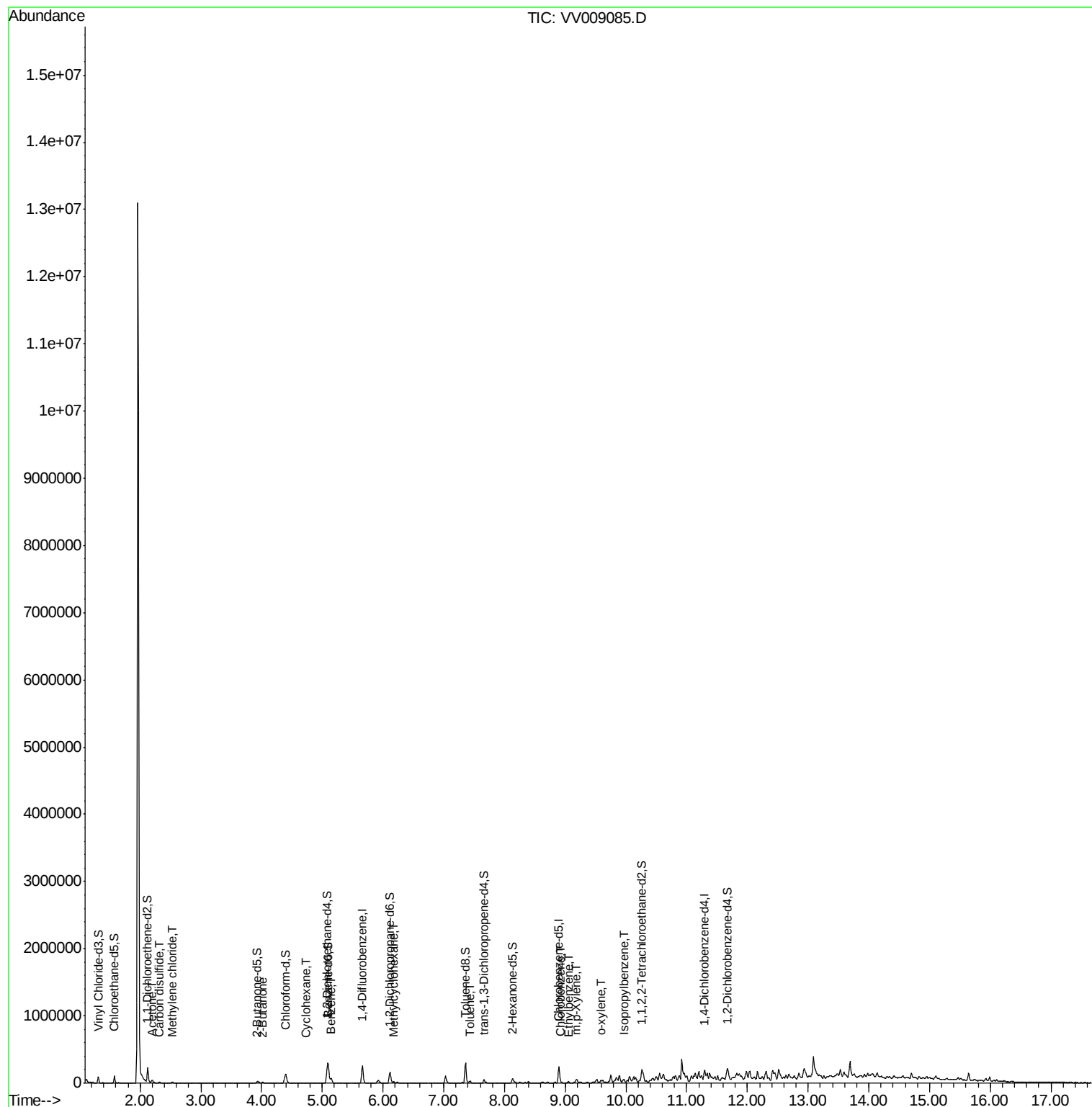
					Qvalue
13) Acetone	2.20	43	42822	32.842 ug/L	97
14) Carbon disulfide	2.32	76	19004	1.955 ug/L	100
16) Methylene chloride	2.53	84	7027	1.777 ug/L	85
21) 2-Butanone	4.02	43	15902	13.012 ug/L	93
30) Cyclohexane	4.72	56	2460	0.679 ug/L #	81
34) Benzene	5.14	78	71928	8.344 ug/L	100
36) Methylcyclohexane	6.18	83	8518	2.055 ug/L	89
44) Toluene	7.43	91	21713	2.402 ug/L	97
52) Chlorobenzene	8.93	112	4683	0.796 ug/L	97
53) Ethylbenzene	9.06	91	12180	1.242 ug/L	95
54) m,p-Xylene	9.18	106	10495	2.826 ug/L	97
55) o-xylene	9.59	106	8556	2.480 ug/L	88
57) Isopropylbenzene	9.98	105	20726	2.210 ug/L #	96

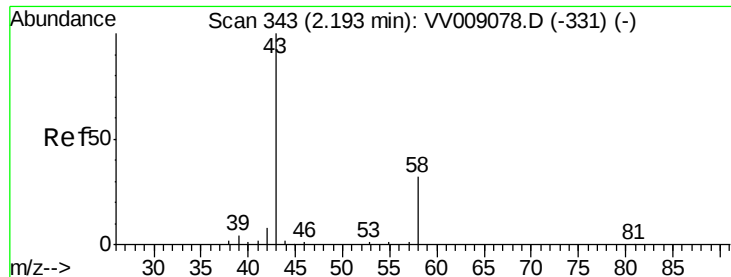
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 21 00:25:26 2018
Response via : Initial Calibration





#13

Acetone

Concen: 32.842 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV009085.D

Acq: 20 Dec 2018 15:35

Instrument :

MSVOA_V

ClientSampleId :

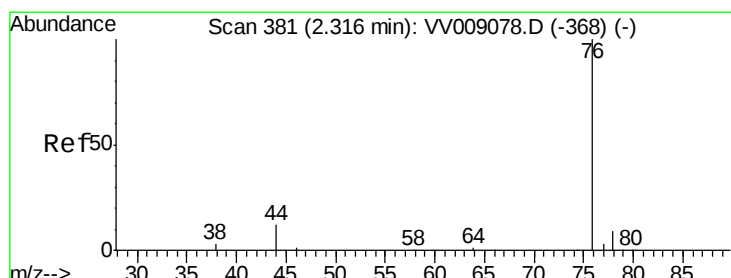
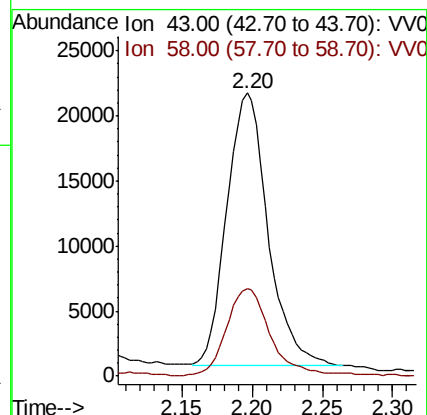
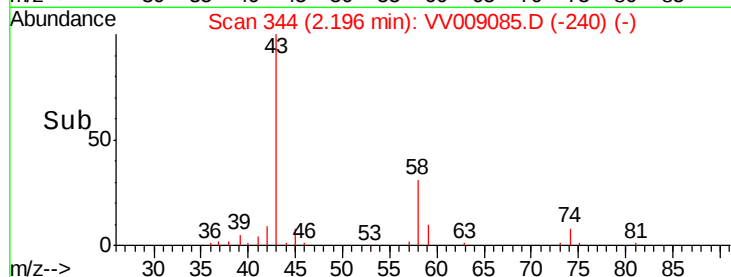
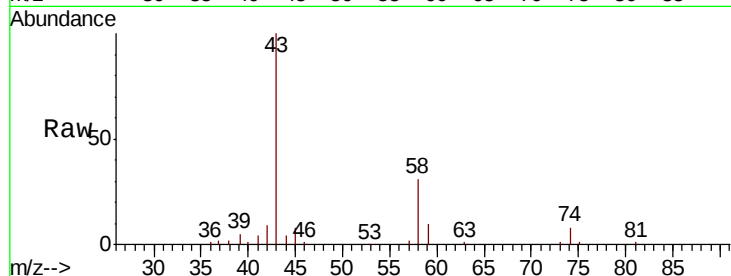
BE7Z6

Tgt Ion: 43 Resp: 42822

Ion Ratio Lower Upper

43 100

58 34.1 0.0 65.4



#14

Carbon disulfide

Concen: 1.955 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009085.D

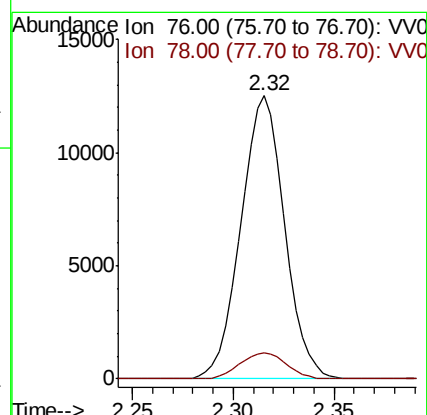
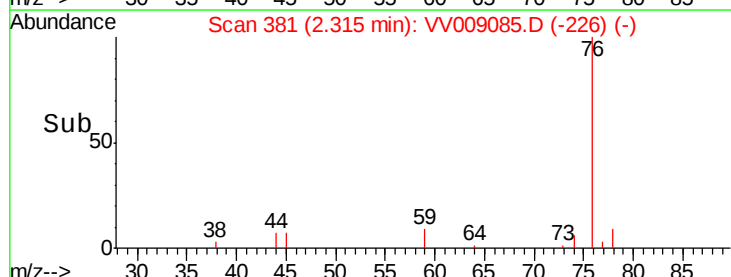
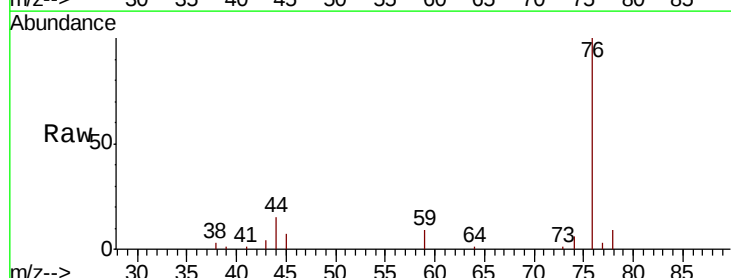
Acq: 20 Dec 2018 15:35

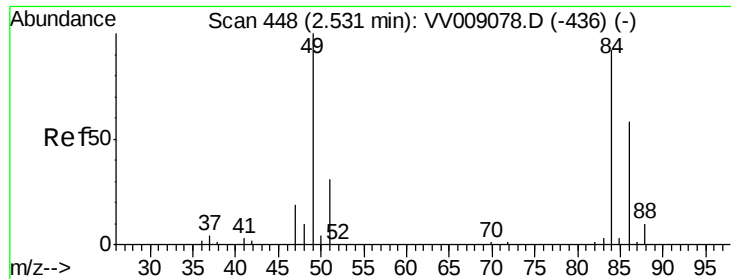
Tgt Ion: 76 Resp: 19004

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

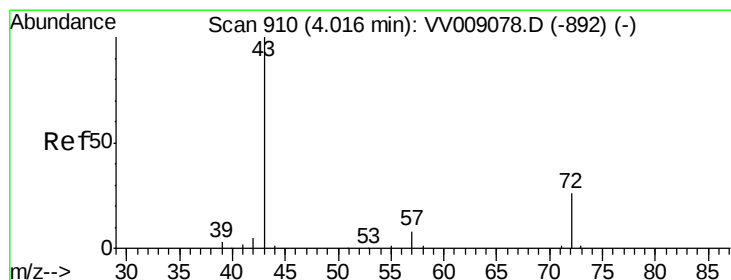
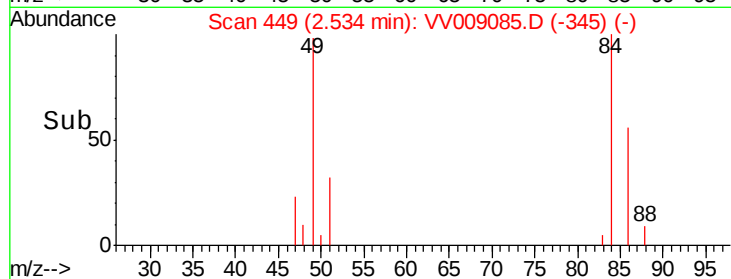
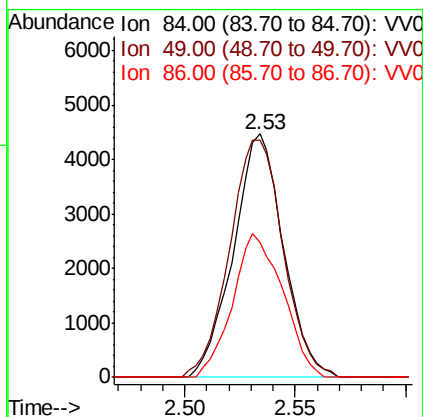
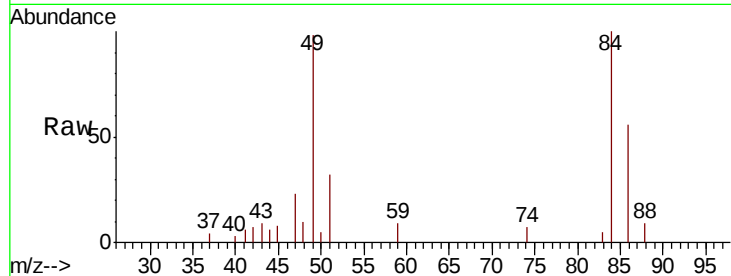




#16
Methylene chloride
Concen: 1.777 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009085.D
Acq: 20 Dec 2018 15:35

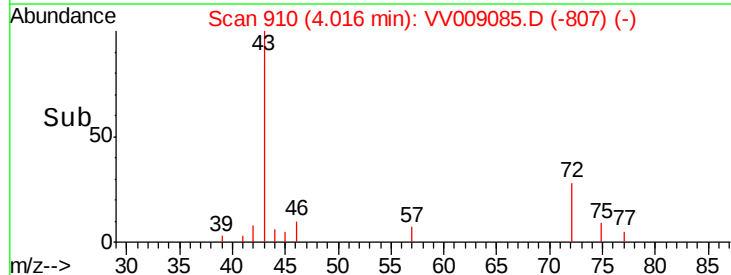
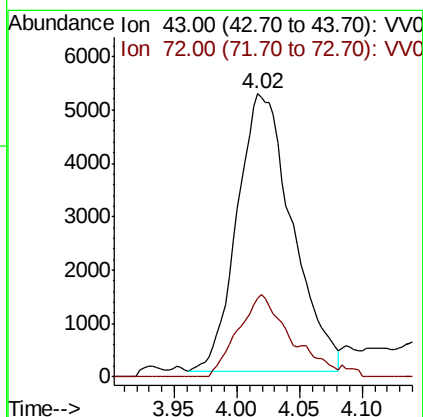
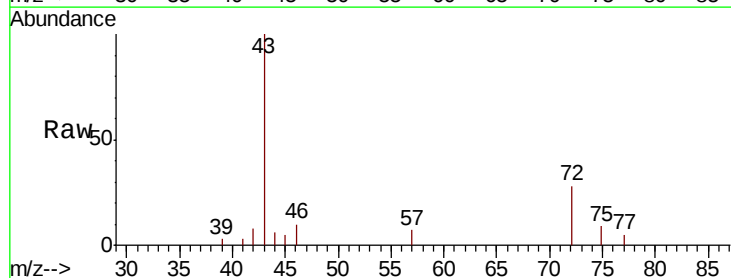
Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

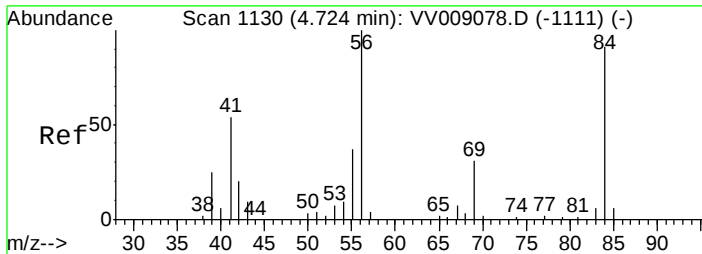
Tgt Ion: 84 Resp: 7027
Ion Ratio Lower Upper
84 100
49 97.7 80.5 149.5
86 55.5 45.5 84.5



#21
2-Butanone
Concen: 13.012 ug/L
RT: 4.02 min Scan# 910
Delta R.T. -0.00 min
Lab File: VV009085.D
Acq: 20 Dec 2018 15:35

Tgt Ion: 43 Resp: 15902
Ion Ratio Lower Upper
43 100
72 24.0 13.7 41.1

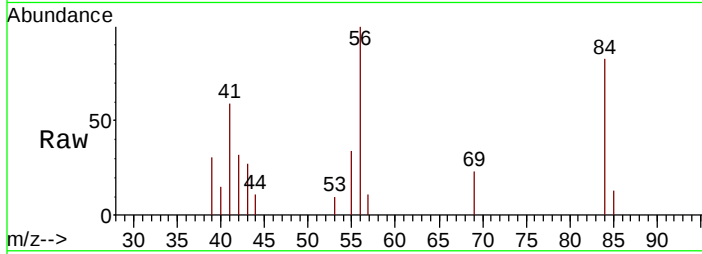




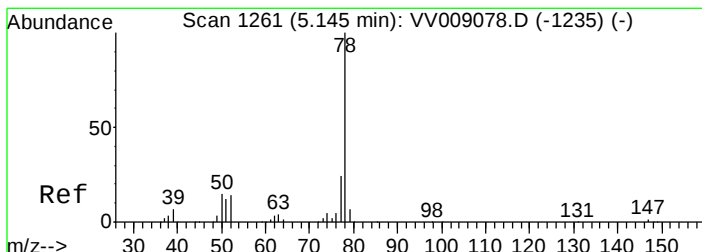
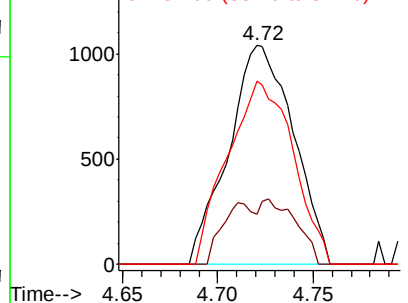
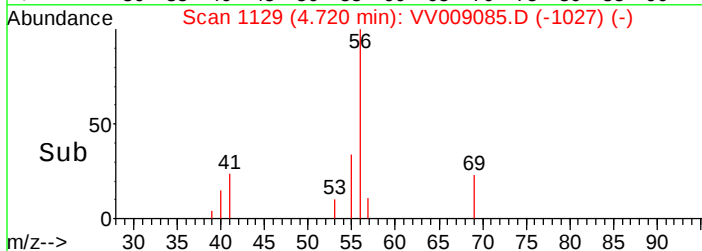
#30
Cyclohexane
Concen: 0.679 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV009085.D
Acq: 20 Dec 2018 15:35

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

Tgt Ion: 56 Resp: 2460
Ion Ratio Lower Upper
56 100
69 2.5 25.8 38.8#
84 84.4 73.0 109.6

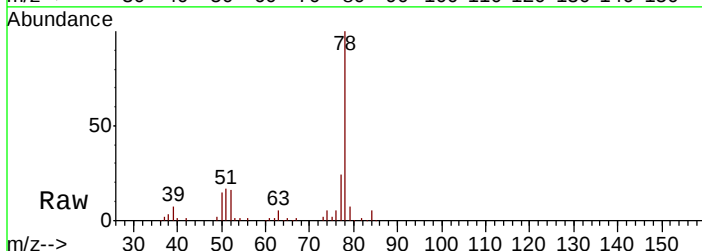


Abundance Ion 56.00 (55.70 to 56.70): VV
Ion 69.00 (68.70 to 69.70): VV
Ion 84.00 (83.70 to 84.70): VV

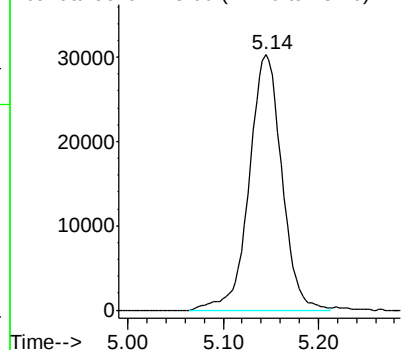
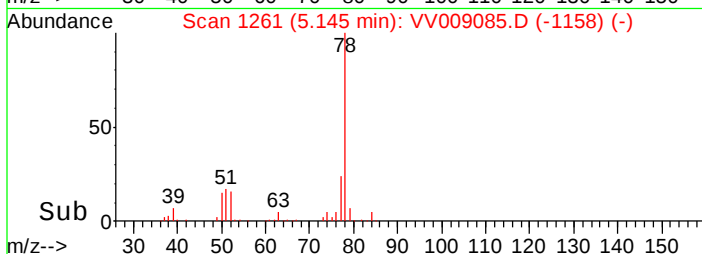


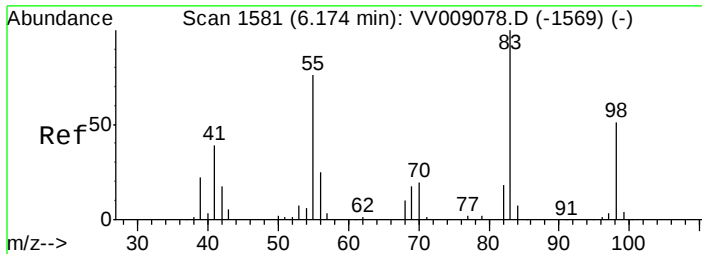
#34
Benzene
Concen: 8.344 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV009085.D
Acq: 20 Dec 2018 15:35

Tgt Ion: 78 Resp: 71928



Abundance Ion 78.00 (77.70 to 78.70): VV

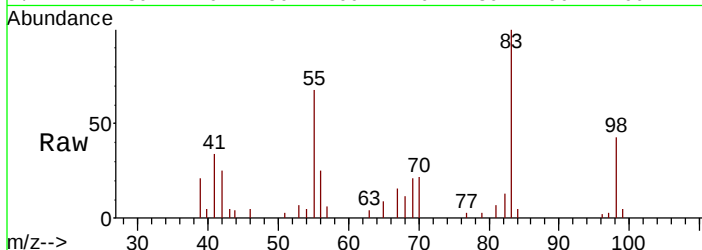




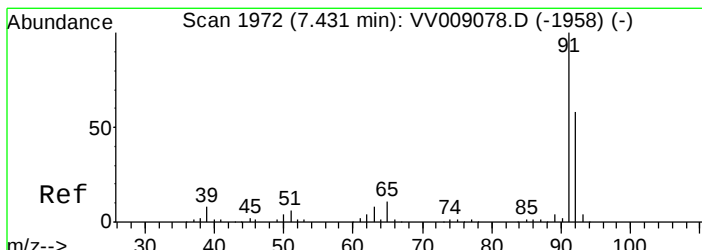
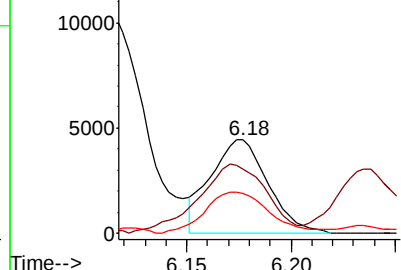
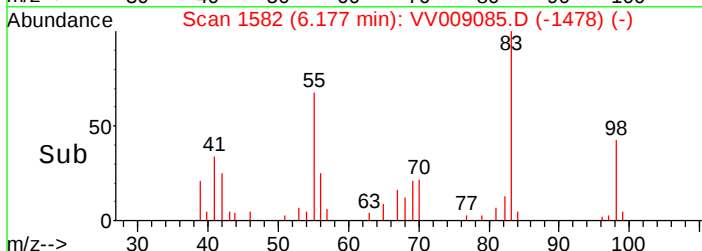
#36
Methylcyclohexane
Concen: 2.055 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV009085.D
Acq: 20 Dec 2018 15:35

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion: 83 Resp: 8518
Ion Ratio Lower Upper
83 100
55 86.9 58.2 87.2
98 47.9 37.8 56.8

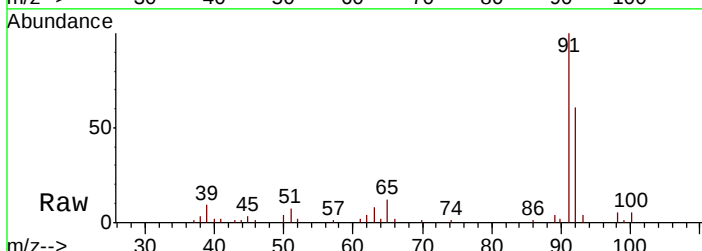


Abundance Ion 83.00 (82.70 to 83.70): VV
Ion 55.00 (54.70 to 55.70): VV
Ion 98.00 (97.70 to 98.70): VV

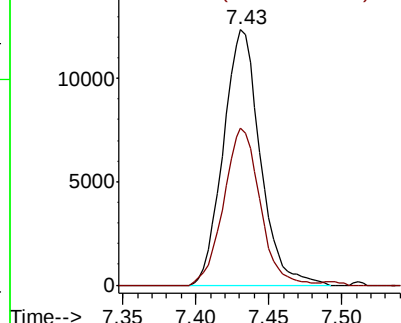
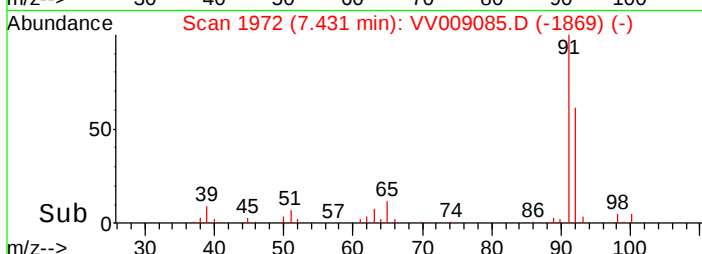


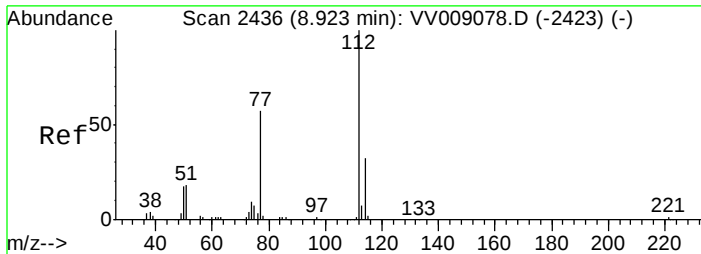
#44
Toluene
Concen: 2.402 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV009085.D
Acq: 20 Dec 2018 15:35

Tgt Ion: 91 Resp: 21713
Ion Ratio Lower Upper
91 100



Abundance Ion 91.00 (90.70 to 91.70): VV
Ion 92.00 (91.70 to 92.70): VV





#52

Chlorobenzene

Concen: 0.796 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.01 min

Lab File: VV009085.D

Acq: 20 Dec 2018 15:35

Instrument :

MSVOA_V

ClientSampleId :

BE7Z6

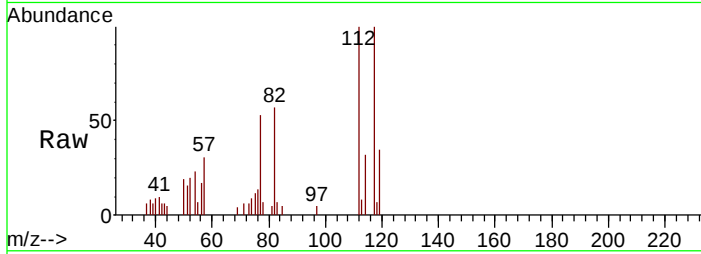
Tgt Ion: 112 Resp: 4683

Ion Ratio Lower Upper

112 100

77 53.1 44.6 66.8

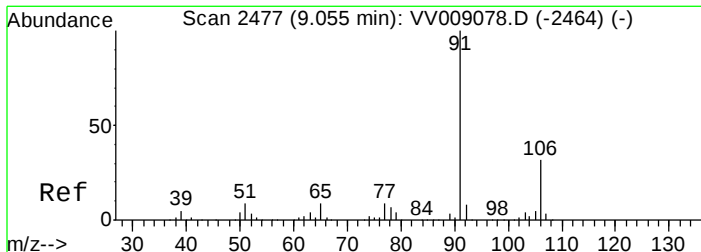
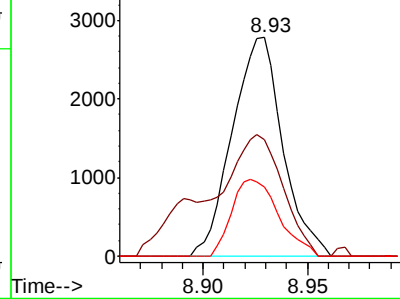
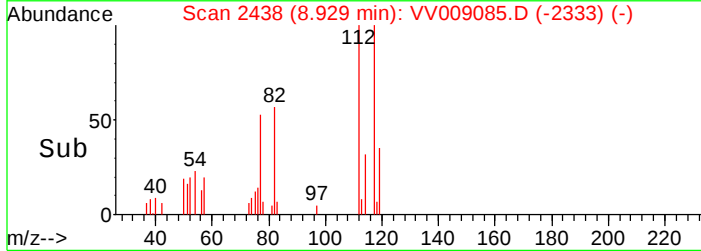
114 31.7 22.6 42.0



Abundance Ion 112.00 (111.70 to 112.70):

Ion 77.00 (76.70 to 77.70): VV

Ion 114.00 (113.70 to 114.70):



#53

Ethylbenzene

Concen: 1.242 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009085.D

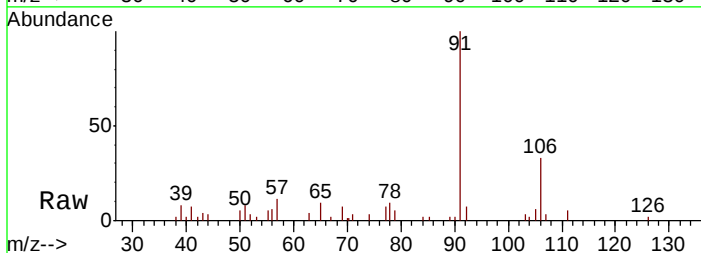
Acq: 20 Dec 2018 15:35

Tgt Ion: 91 Resp: 12180

Ion Ratio Lower Upper

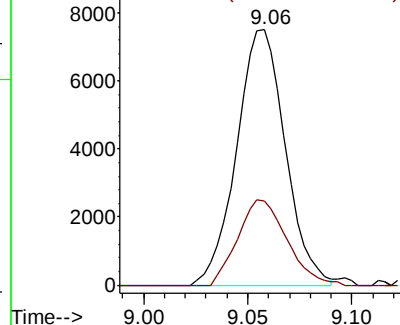
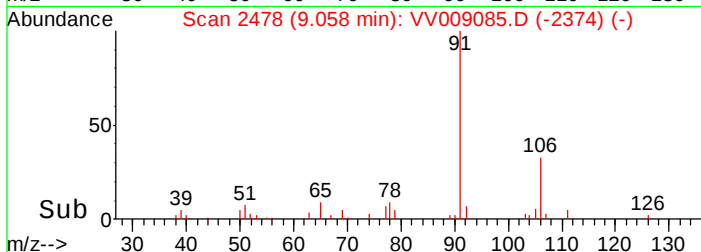
91 100

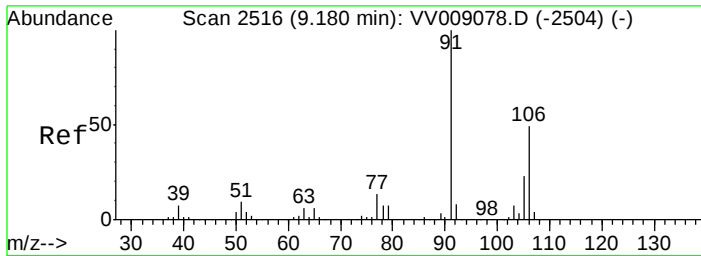
106 33.1 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV

Ion 106.00 (105.70 to 106.70):





#54

m,p-Xylene

Concen: 2.826 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV009085.D

Acq: 20 Dec 2018 15:35

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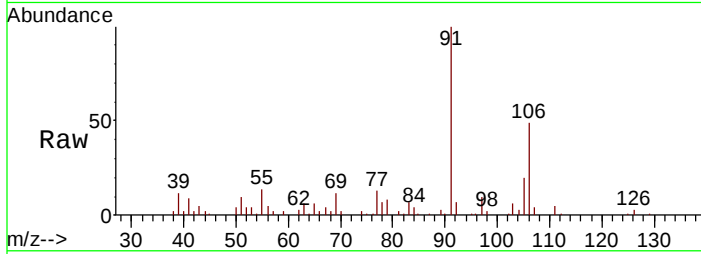
BE7Z6

Tgt Ion:106 Resp: 10495

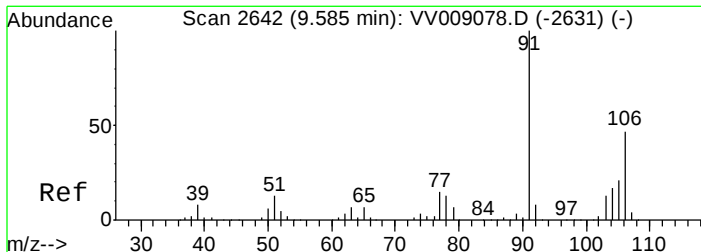
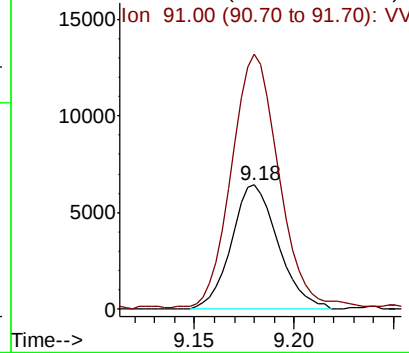
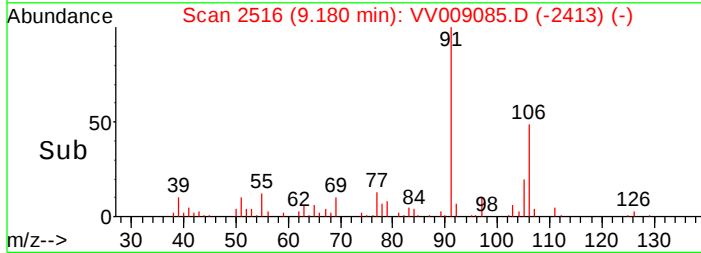
Ion Ratio Lower Upper

106 100

91 205.6 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70):



#55

o-xylene

Concen: 2.480 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009085.D

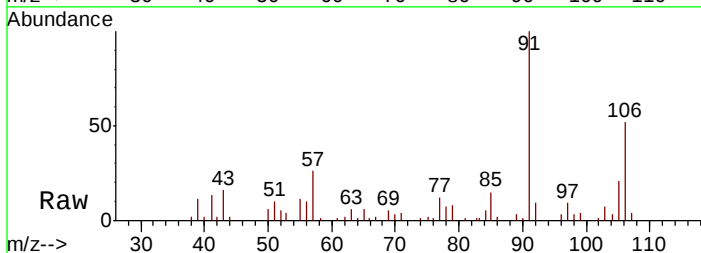
Acq: 20 Dec 2018 15:35

Tgt Ion:106 Resp: 8556

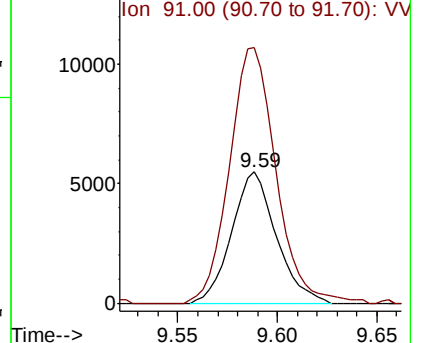
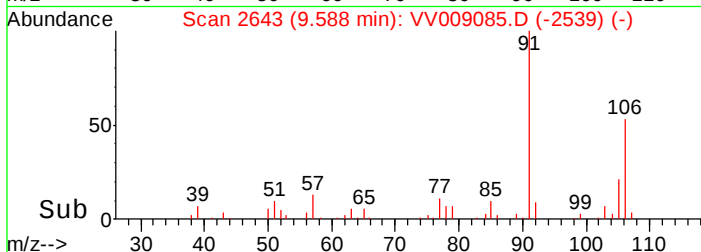
Ion Ratio Lower Upper

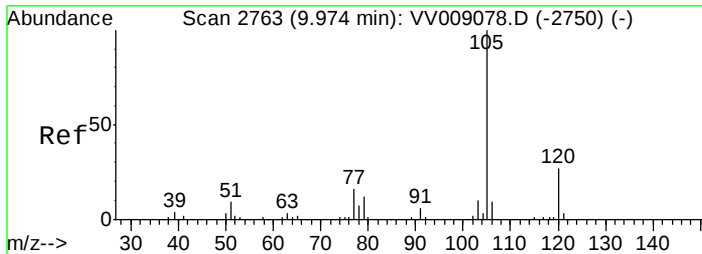
106 100

91 193.04 148.9 275.5



Abundance Ion 106.00 (105.70 to 106.70):



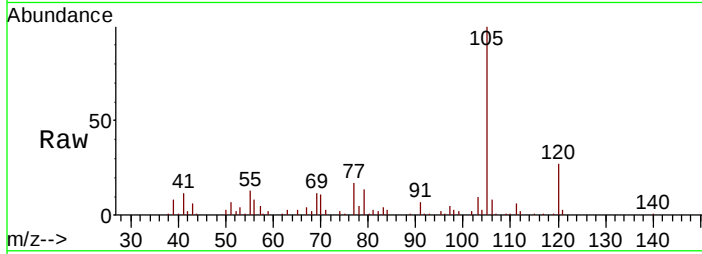


#57
 Isopropylbenzene
 Concen: 2.210 ug/L
 RT: 9.98 min Scan# 2764
 Delta R.T. 0.00 min
 Lab File: VV009085.D
 Acq: 20 Dec 2018 15:35

Instrument :
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 ClientSampleId :
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Tgt Ion:105 Resp: 20726

Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.7	32.5
77	19.6	12.4	18.6



Abundance Ion 105.00 (104.70 to 105.70):
 Ion 120.00 (119.70 to 120.70):
 Ion 77.00 (76.70 to 77.70): VV

