

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053019\
 Data File : VV011168.D
 Acq On : 31 May 2019 08:01
 Operator : SY/MD
 Sample : K3017-16RE
 Misc : 4.56G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51E9RE

Quant Time: Jun 02 20:57:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 08:21:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	233187	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	177047	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	42507	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	68663	21.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.04%
7) Chloroethane-d5	1.56	69	58654	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.72%
10) 1,1-Dichloroethene-d2	2.12	63	104933	16.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.80%
20) 2-Butanone-d5	3.93	46	59402	51.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.02%
24) Chloroform-d	4.39	84	143048	25.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.08	65	91941	24.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.00%
29) Benzene-d6	5.09	84	292310	30.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	121.60%
33) 1,2-Dichloropropane-d6	6.11	67	95102	30.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	123.48%#
37) Toluene-d8	7.36	98	243504	26.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.36%
38) trans-1,3-Dichloropropene-	7.66	79	32105	23.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.12%
39) 2-Hexanone-d5	8.13	63	42111	60.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.28%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	66537	23.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	37003	23.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.04%

Target Compounds

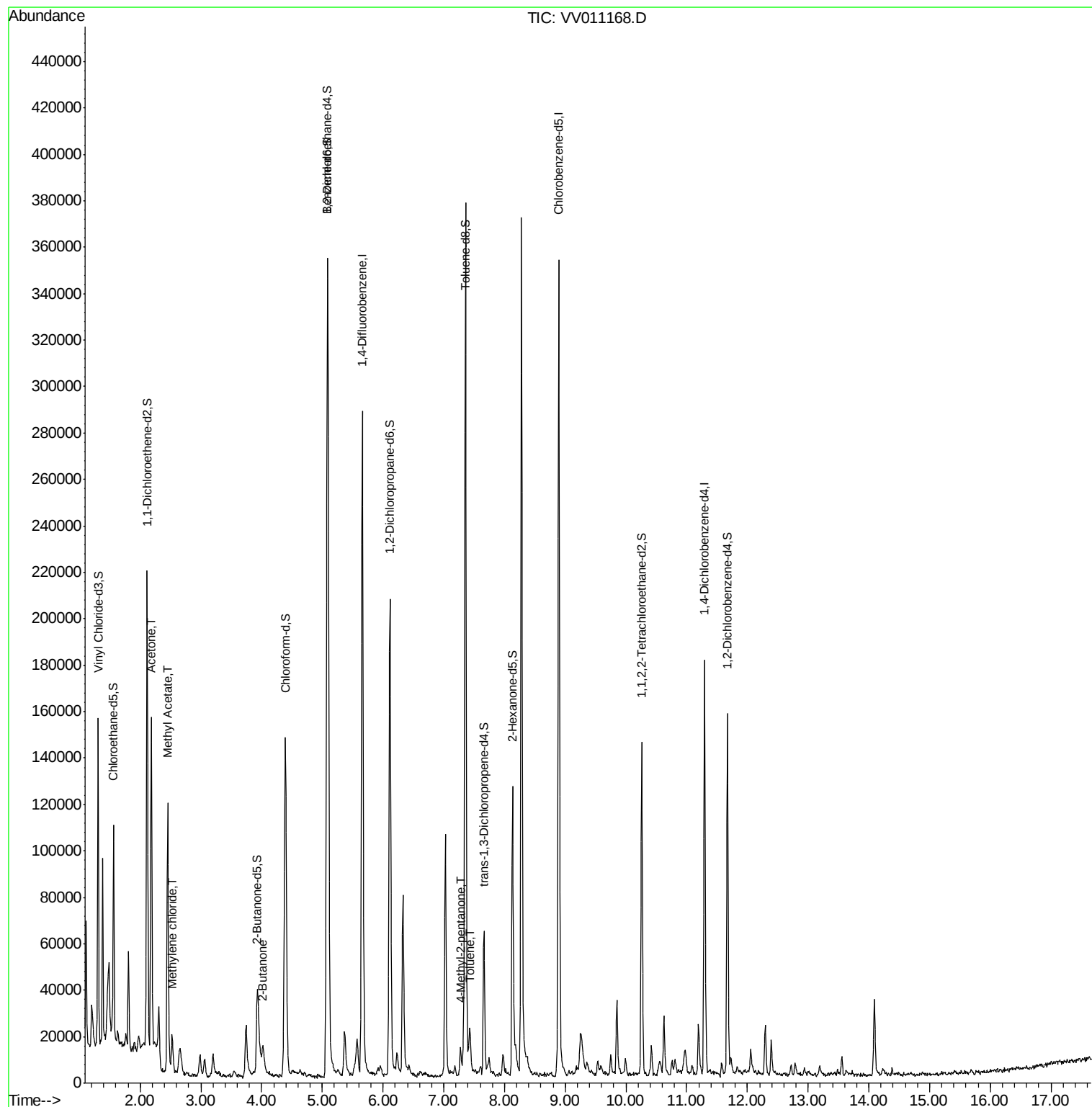
					Ovalue
13) Acetone	2.18	43	137275	102.329	ug/L 97
15) Methyl Acetate	2.45	43	126792	62.812	ug/L 97
16) Methylene chloride	2.53	84	5853	1.647	ug/L 89
21) 2-Butanone	4.02	43	19046	12.102	ug/L 91
43) 4-Methyl-2-pentanone	7.27	43	7898	3.151	ug/L 96
44) Toluene	7.43	91	10363	0.905	ug/L 87

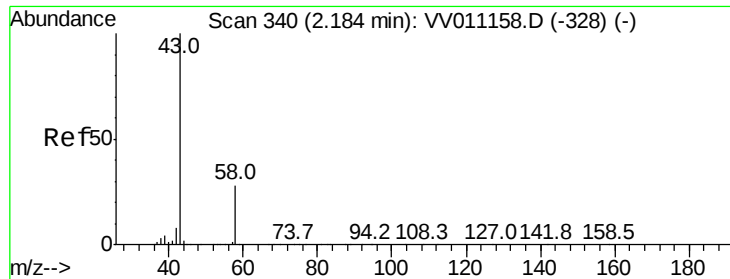
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 31 08:21:18 2019
Response via : Initial Calibration





#13

Acetone

Concen: 102.329 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV011168.D

Acq: 31 May 2019 08:01

Instrument :

MSVOA_V

ClientSampleId :

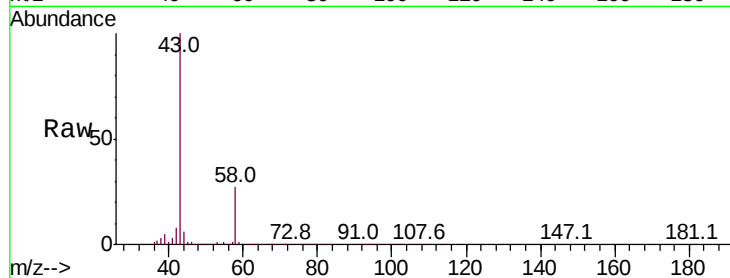
A51E9RE

Tot Ion: 43 Resp: 137275

Ion Ratio Lower Upper

43 100

58 28.3 0.0 53.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

100000

80000

60000

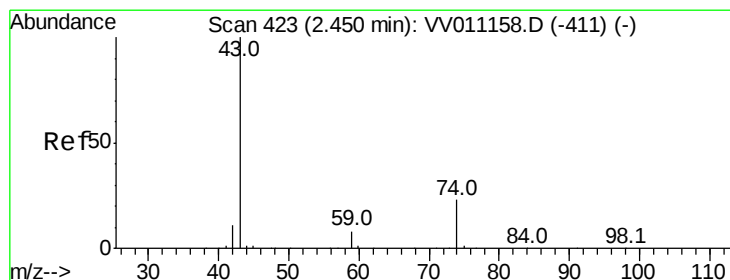
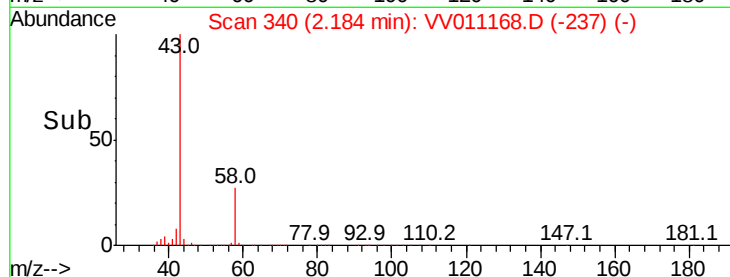
40000

20000

0

2.10 2.15 2.20 2.25

Time-->



#15

Methyl Acetate

Concen: 62.812 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV011168.D

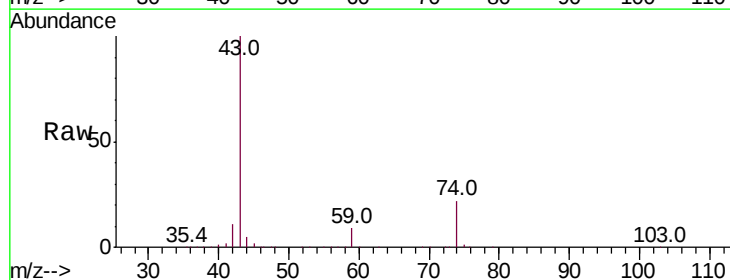
Acq: 31 May 2019 08:01

Tgt Ion: 43 Resp: 126792

Ion Ratio Lower Upper

43 100

74 21.8 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

80000

60000

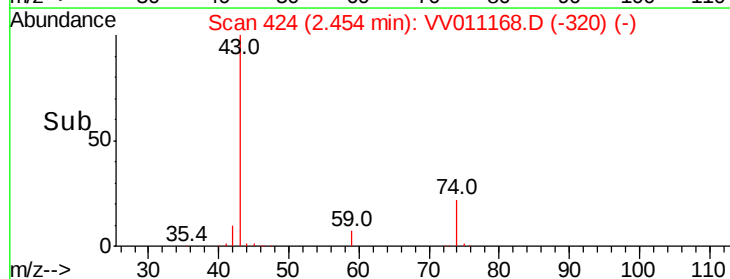
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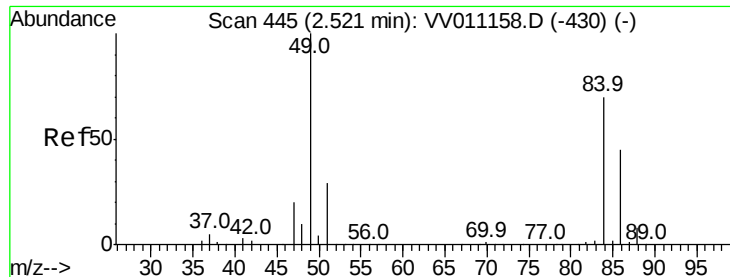
20000

0

2.40 2.45 2.50 2.55

Time-->

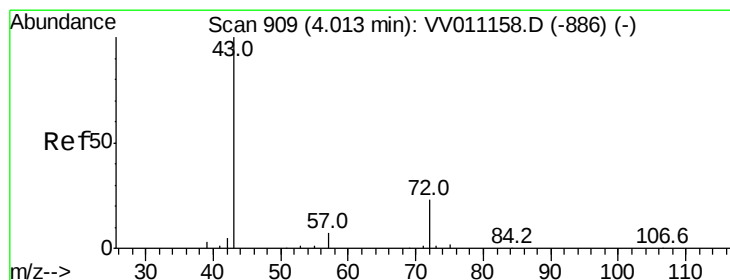
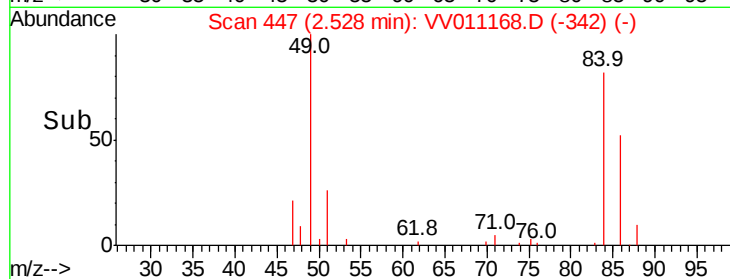
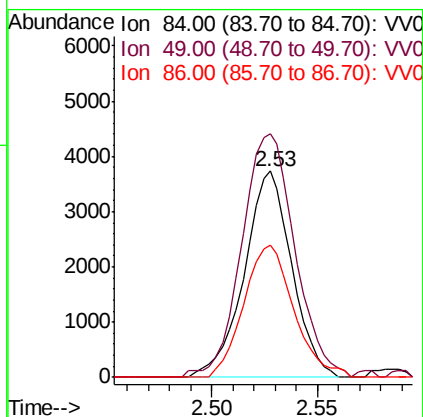
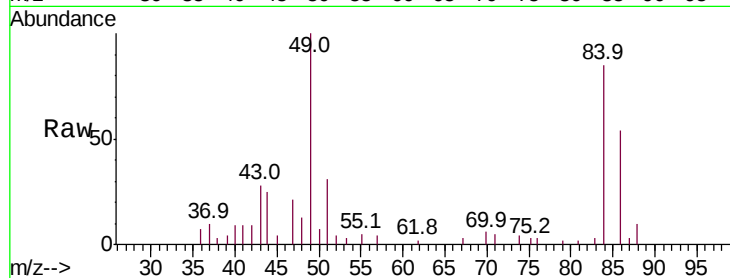




#16
Methylene chloride
Concen: 1.647 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV011168.D
Acq: 31 May 2019 08:01

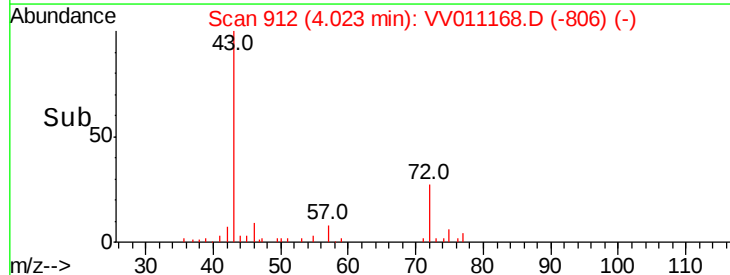
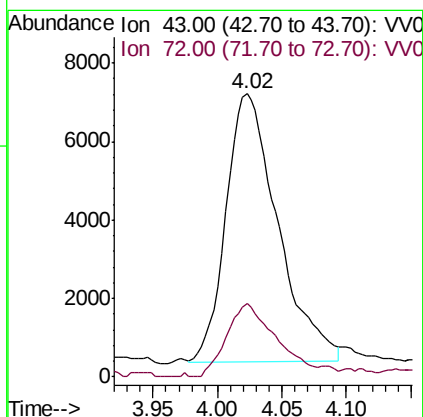
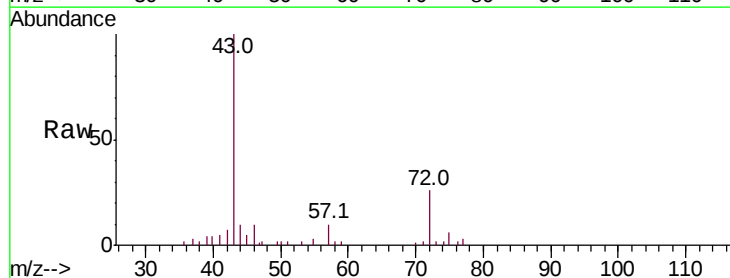
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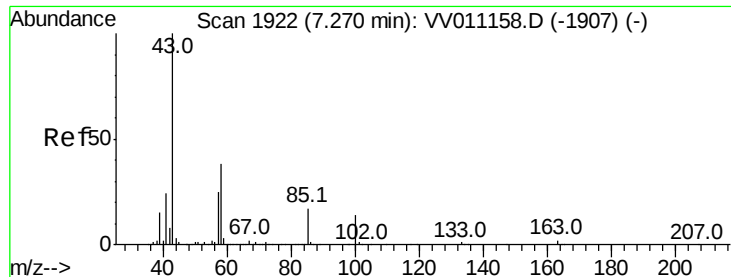
Tot Ion: 84 Resp: 5853
Ion Ratio Lower Upper
84 100
49 118.0 96.1 178.5
86 64.2 45.0 83.6



#21
2-Butanone
Concen: 12.102 ug/L
RT: 4.02 min Scan# 912
Delta R.T. 0.01 min
Lab File: VV011168.D
Acq: 31 May 2019 08:01

Tgt Ion: 43 Resp: 19046
Ion Ratio Lower Upper
43 100
72 26.4 11.1 33.3

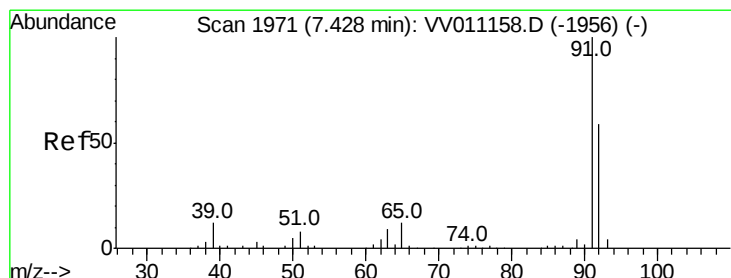
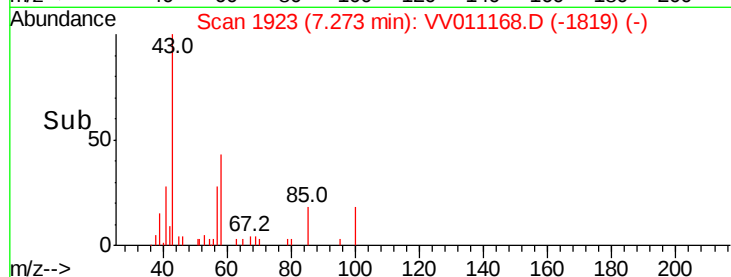
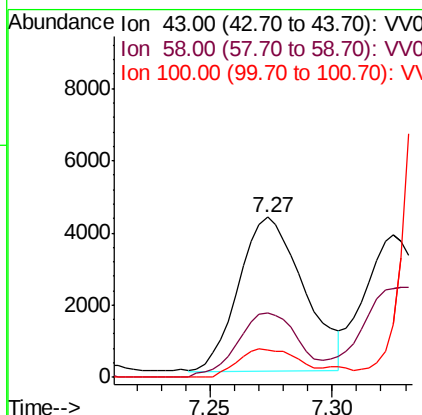
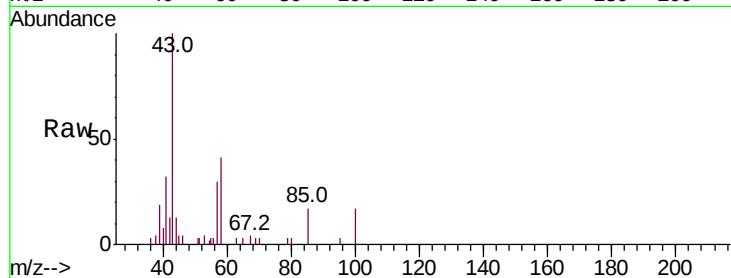




#43
4-Methyl-2-pentanone
Concen: 3.151 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV011168.D
Acq: 31 May 2019 08:01

Instrument :
MSVOA_V
ClientSampled :
A51E9RE

Tot Ion: 43 Resp: 7898
Ion Ratio Lower Upper
43 100
58 39.3 30.2 45.4
100 16.7 11.3 16.9



#44
Toluene
Concen: 0.905 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VV011168.D
Acq: 31 May 2019 08:01

Tgt Ion: 91 Resp: 10363
Ion Ratio Lower Upper
91 100
92 66.4 39.9 74.1

