

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102419\
 Data File : VU035466.D
 Acq On : 24 Oct 2019 18:09
 Operator : JC/SP
 Sample : K5488-12DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G54DL

Quant Time: Oct 25 09:03:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 25 07:04:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	216887	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	226804	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	80647	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	48404	3.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.20%
7) Chloroethane-d5	1.93	69	49729	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.20%
11) 1,1-Dichloroethene-d2	2.59	63	65849	2.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.80%#
20) 2-Butanone-d5	4.71	46	239487	63.02	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.04%
24) Chloroform-d	5.11	84	113407	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.75	65	69005	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.77	84	198543	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.60%
36) 1,2-Dichloropropane-d6	6.74	67	78840	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.93	98	155204	3.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	62.60%#
43) trans-1,3-Dichloropropene-	8.22	79	25672	3.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.20%
46) 2-Hexanone-d5	8.68	63	152930	43.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.78%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	75309	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	59901	4.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.60%

Target Compounds

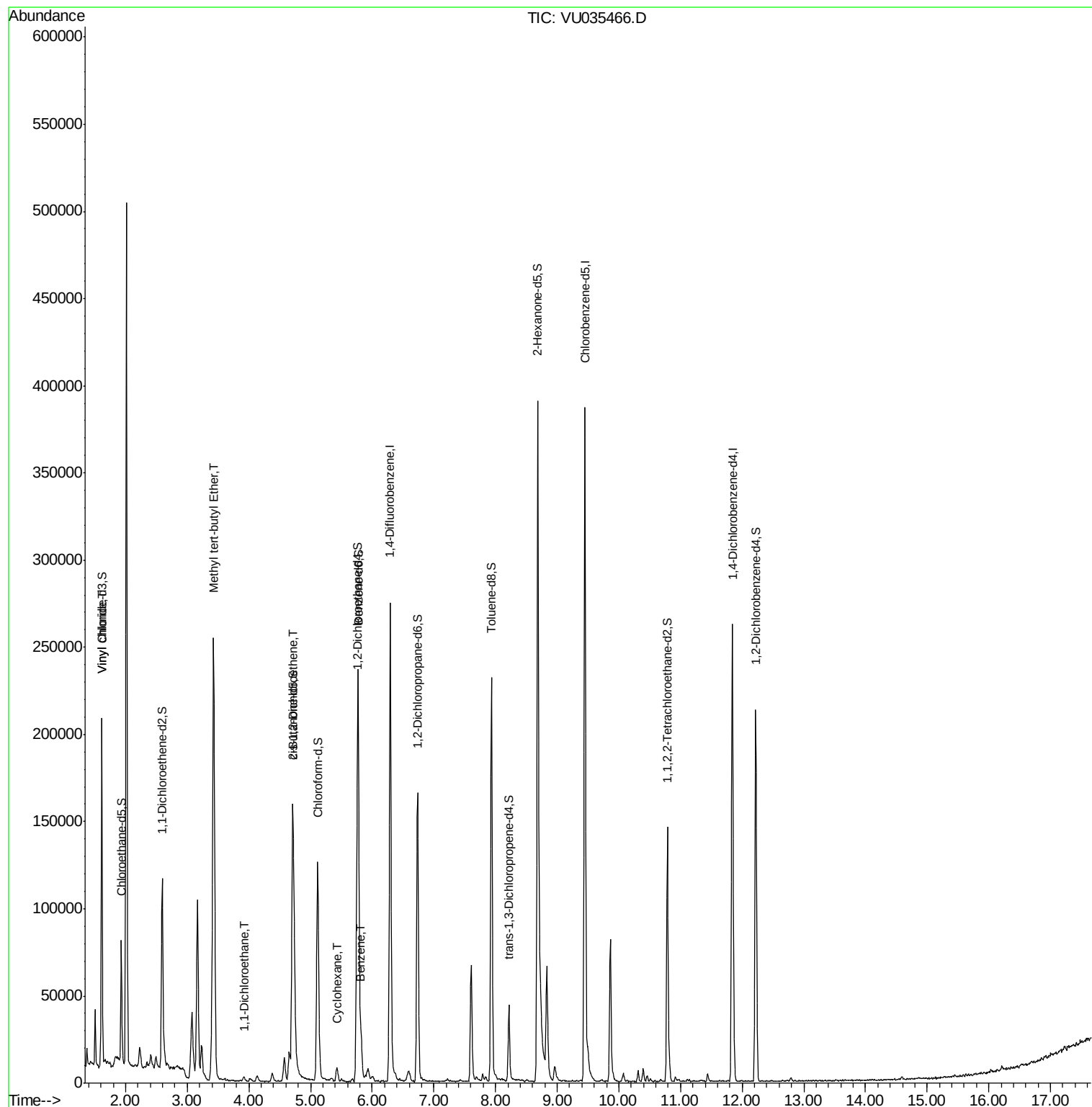
					Ovalue
5) Vinyl chloride	1.62	62	17029	0.906	ug/L 97
17) Methyl tert-butyl Ether	3.43	73	268692	7.165	ug/L 94
19) 1,1-Dichloroethane	3.92	63	3328	0.122	ug/L # 86
22) cis-1,2-Dichloroethene	4.72	96	2003	0.121	ug/L # 65
30) Cyclohexane	5.43	56	3300	0.116	ug/L 95
33) Benzene	5.82	78	24469	0.367	ug/L 100

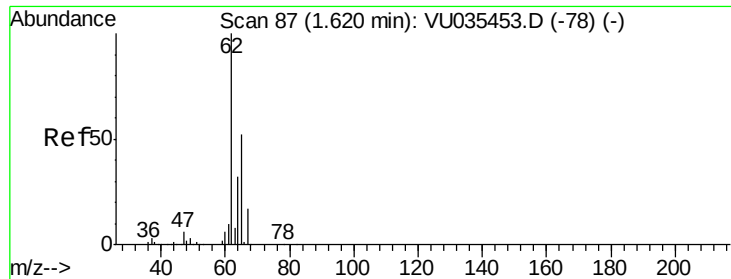
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.906 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

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MSVOA_U

ClientSampleId :

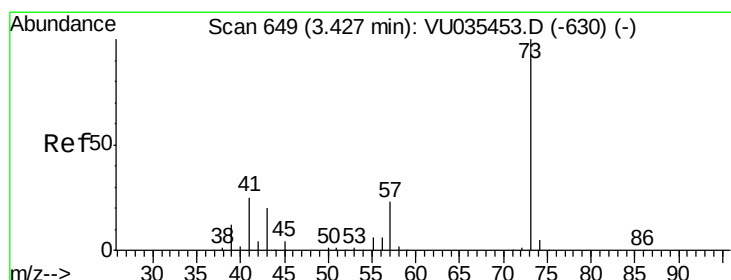
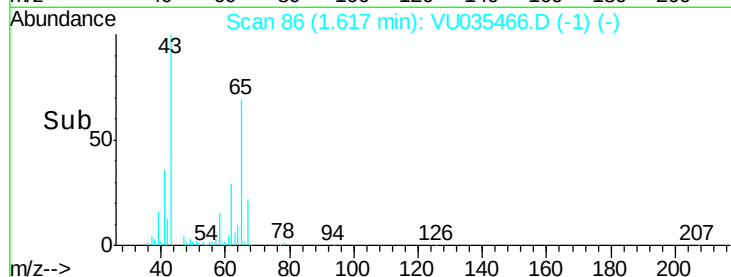
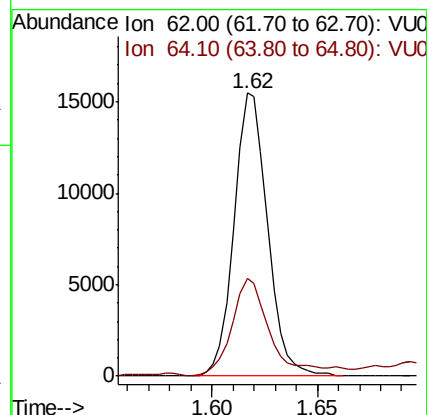
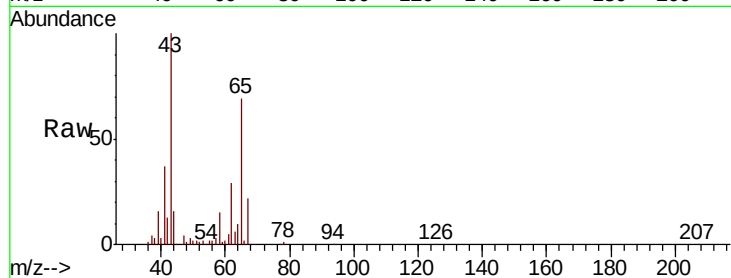
H0G54DL

Tot Ion: 62 Resp: 17029

Ion Ratio Lower Upper

62 100

64 34.5 22.9 42.5



#17

Methyl tert-butyl Ether

Concen: 7.165 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035466.D

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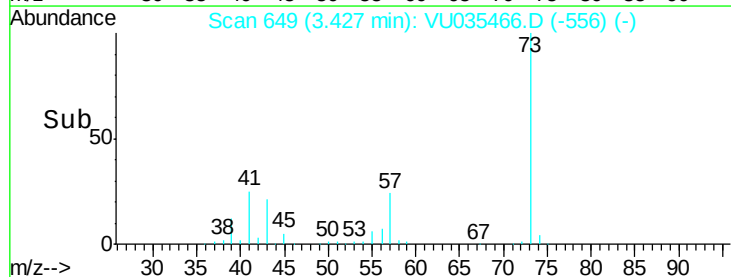
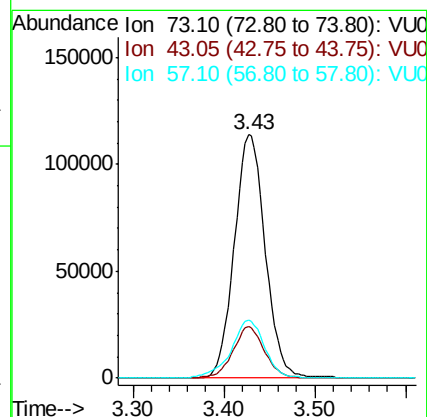
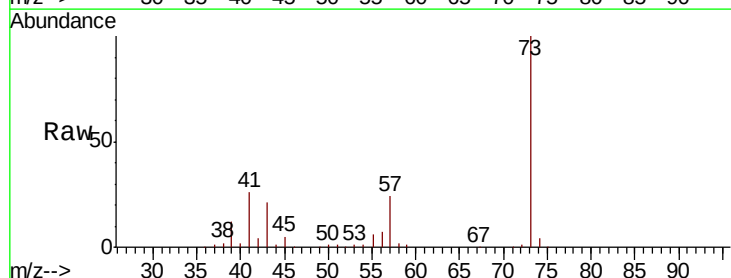
Tgt Ion: 73 Resp: 268692

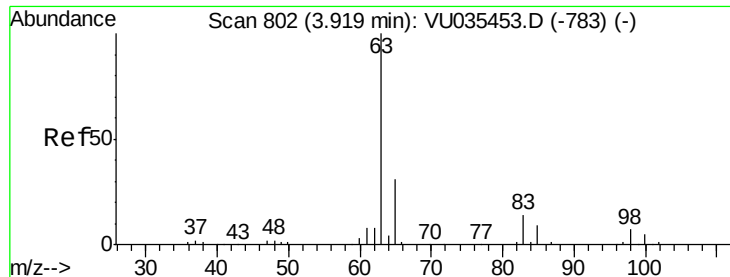
Ion Ratio Lower Upper

73 100

43 21.7 16.0 24.0

57 26.0 17.4 26.2

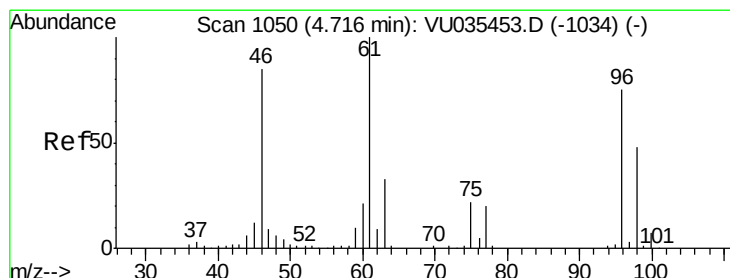
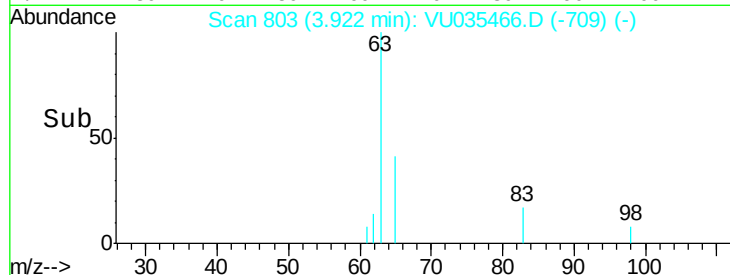
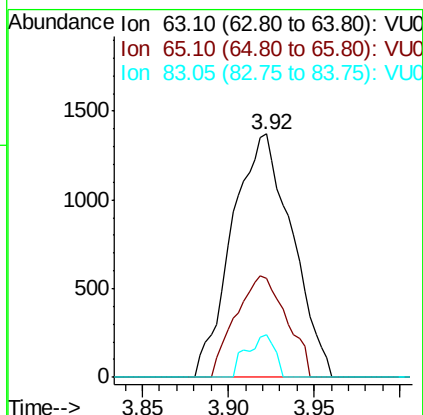
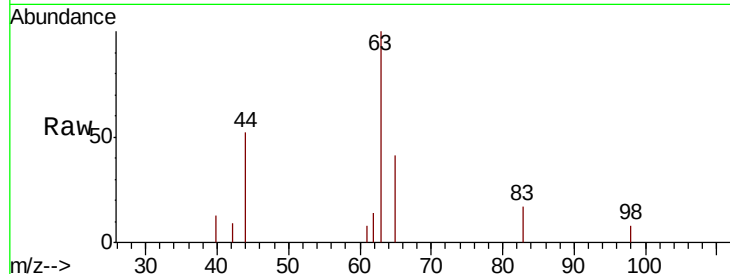




#19
 1,1-Dichloroethane
 Concen: 0.122 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035466.D
 Acq: 24 Oct 2019 18:09

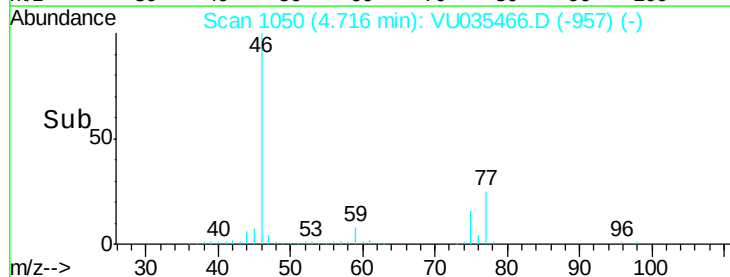
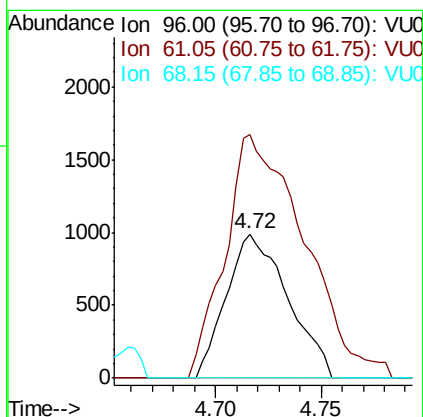
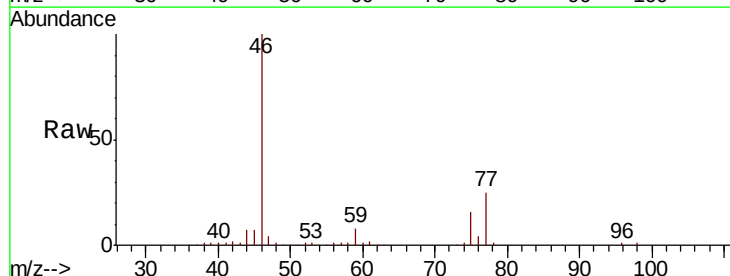
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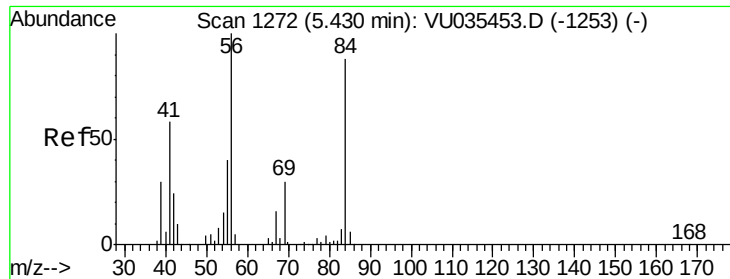
Tot Ion: 63 Resp: 3328
 Ion Ratio Lower Upper
 63 100
 65 40.6 22.4 41.6
 83 17.3 9.3 17.3#



#22
 cis-1,2-Dichloroethene
 Concen: 0.121 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU035466.D
 Acq: 24 Oct 2019 18:09

Tgt Ion: 96 Resp: 2003
 Ion Ratio Lower Upper
 96 100
 61 169.1 89.7 166.5#
 68 0.0 0.0 0.0

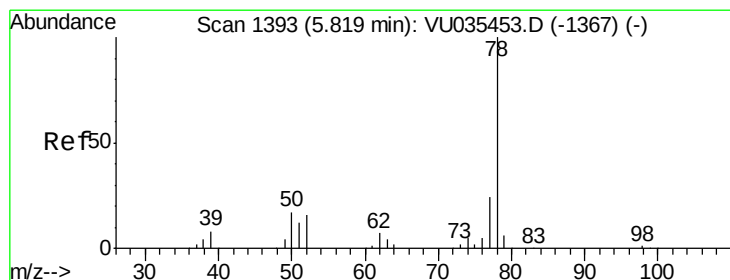
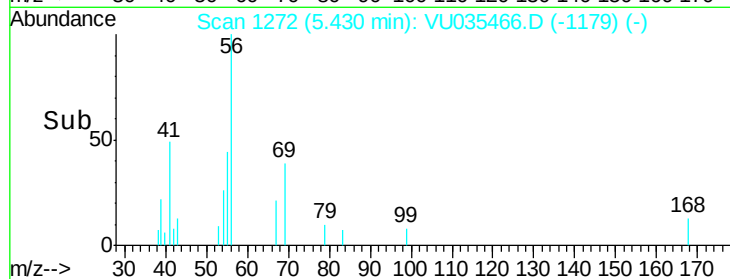
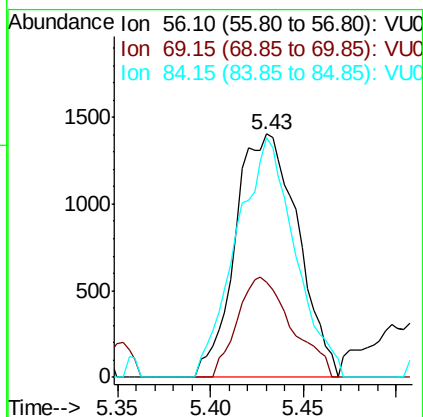
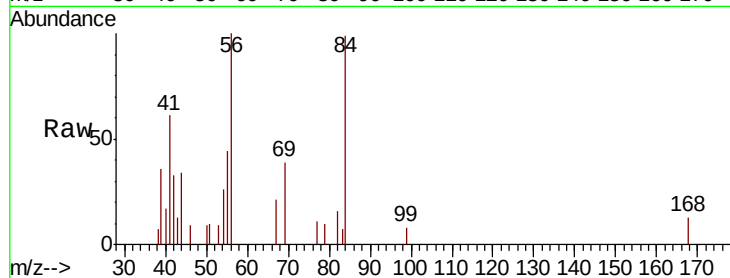




#30
Cyclohexane
Concen: 0.116 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035466.D
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Instrument :
MSVOA_U
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H0G54DL

Tot Ion: 56 Resp: 3300
Ion Ratio Lower Upper
56 100
69 36.0 24.6 36.8
84 92.6 71.5 107.3



#33
Benzene
Concen: 0.367 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035466.D
Acq: 24 Oct 2019 18:09

Tgt Ion: 78 Resp: 24469

