

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102319\
 Data File : VU035437.D
 Acq On : 24 Oct 2019 05:09
 Operator : JC/SP
 Sample : K5488-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G28

Quant Time: Nov 06 03:59:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 24 07:51:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	209139	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	213309	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	73318	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	49642	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.93	69	50976	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.59	63	67671	2.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.40%#
20) 2-Butanone-d5	4.71	46	214010	58.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.80%
24) Chloroform-d	5.11	84	112665	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.75	65	68332	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.77	84	207022	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	6.74	67	76924	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.93	98	165416	3.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.80%
43) trans-1,3-Dichloropropene-	8.22	79	25164	3.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.00%
46) 2-Hexanone-d5	8.68	63	145051	43.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.52%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	73774	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	59916	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

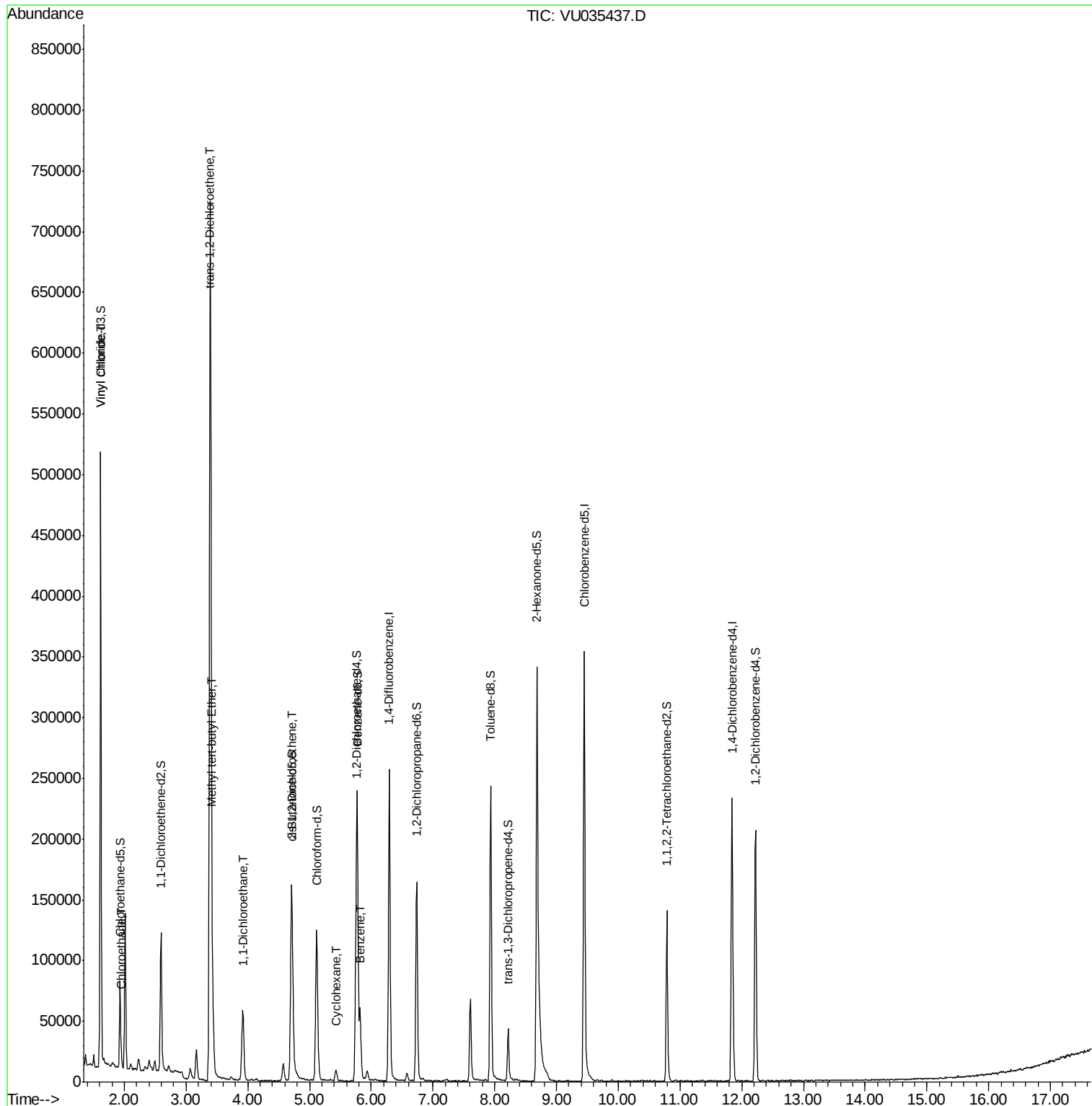
					Ovalue
5) Vinyl chloride	1.62	62	264727	14.599	ug/L 100
8) Chloroethane	1.95	64	3484	0.298	ug/L 98
17) Methyl tert-butyl Ether	3.43	73	61502	1.701	ug/L # 89
18) trans-1,2-Dichloroethene	3.39	96	307522	21.208	ug/L 93
19) 1,1-Dichloroethane	3.92	63	67789	2.585	ug/L 97
22) cis-1,2-Dichloroethene	4.72	96	20941	1.307	ug/L 99
30) Cyclohexane	5.43	56	3980	0.149	ug/L 94
33) Benzene	5.82	78	52641	0.839	ug/L 100

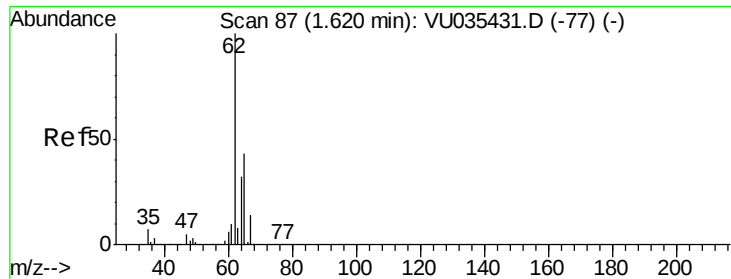
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 24 07:51:06 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 14.599 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035437.D

Acq: 24 Oct 2019 05:09

Instrument :

MSVOA_U

ClientSampleId :

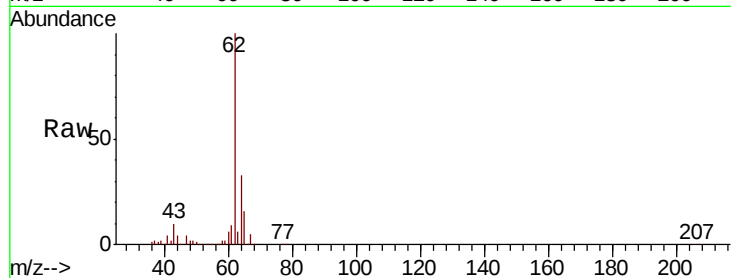
H0G28

Tot Ion: 62 Resp: 264727

Ion Ratio Lower Upper

62 100

64 32.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035437.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035437.D (-77) (-)

1.62

250000

200000

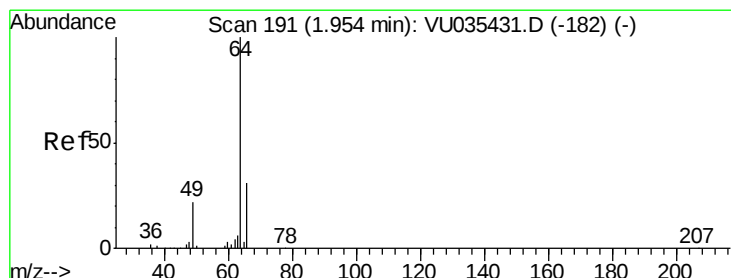
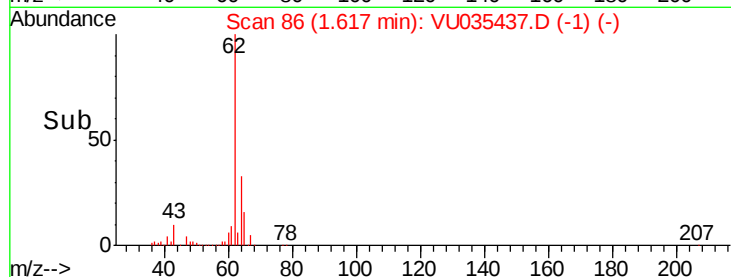
150000

100000

50000

0

Time-->



#8

Chloroethane

Concen: 0.298 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035437.D

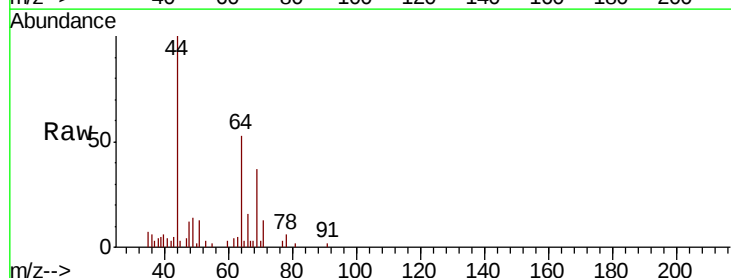
Acq: 24 Oct 2019 05:09

Tgt Ion: 64 Resp: 3484

Ion Ratio Lower Upper

64 100

66 31.1 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU035437.D (-182) (-)

Ion 66.05 (65.75 to 66.75): VU035437.D (-182) (-)

1.95

4000

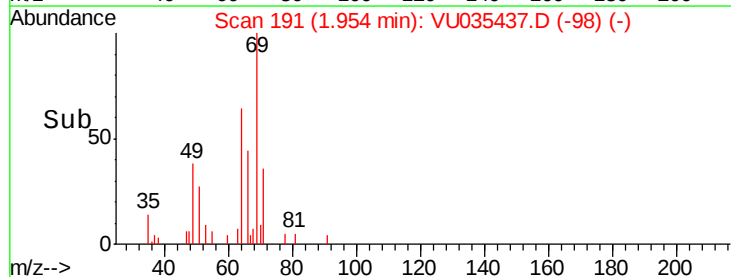
3000

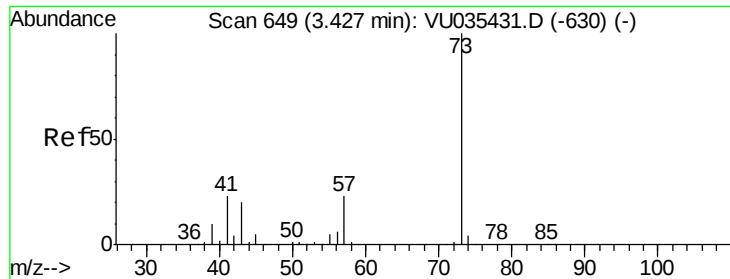
2000

1000

0

Time-->

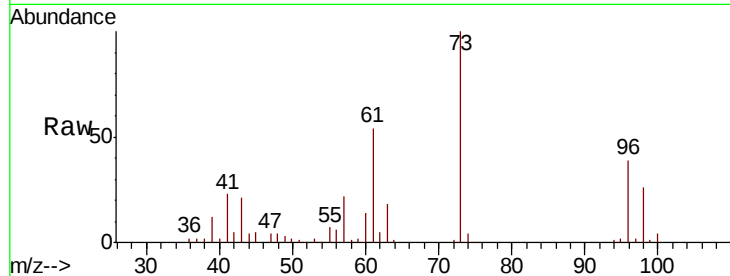




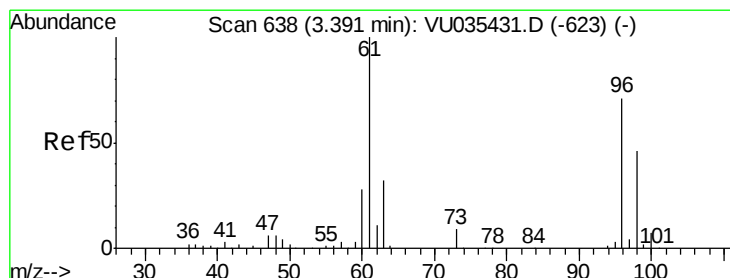
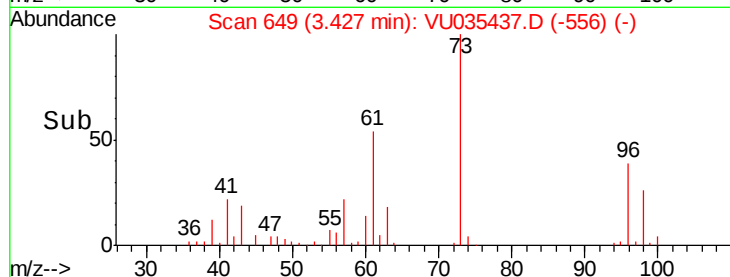
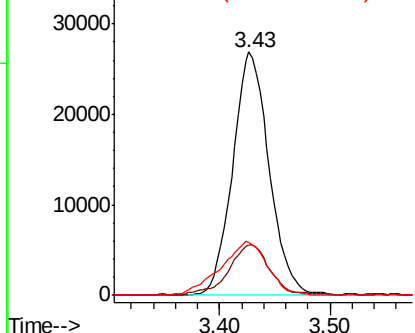
#17
Methvl tert-butvl Ether
Concen: 1.701 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035437.D
Acq: 24 Oct 2019 05:09

Instrument :
MSVOA_U
ClientSampleId :
H0G28

Tot Ion: 73 Resp: 61502
Ion Ratio Lower Upper
73 100
43 23.7 16.0 24.0
57 28.4 17.4 26.2#

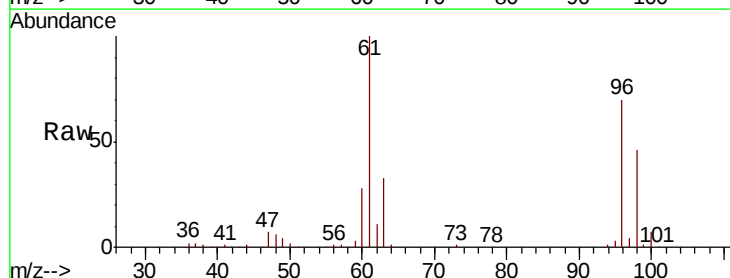


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

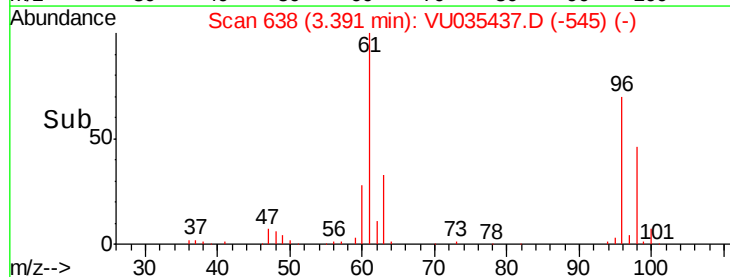
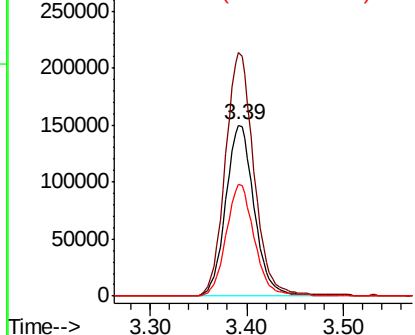


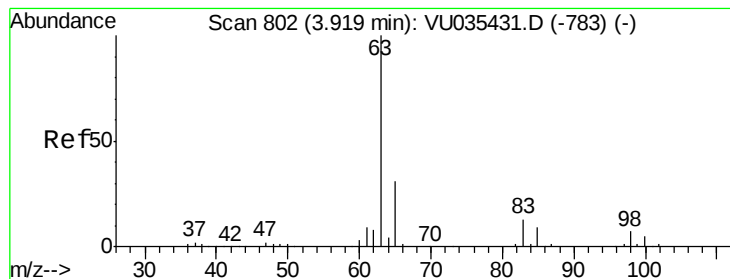
#18
trans-1,2-Dichloroethene
Concen: 21.208 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035437.D
Acq: 24 Oct 2019 05:09

Tgt Ion: 96 Resp: 307522
Ion Ratio Lower Upper
96 100
61 142.2 93.0 172.6
98 65.2 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 2.585 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035437.D

Acq: 24 Oct 2019 05:09

Instrument :

MSVOA_U

ClientSampleId :

H0G28

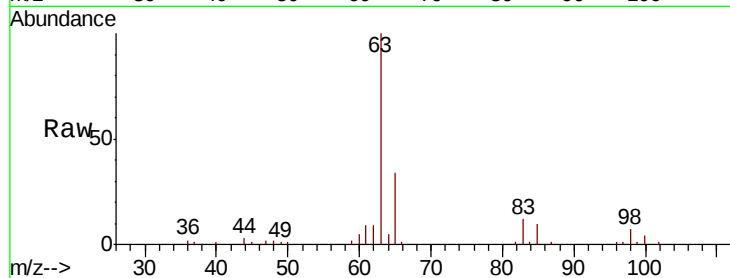
Tot Ion: 63 Resp: 67789

Ion Ratio Lower Upper

63 100

65 33.7 22.4 41.6

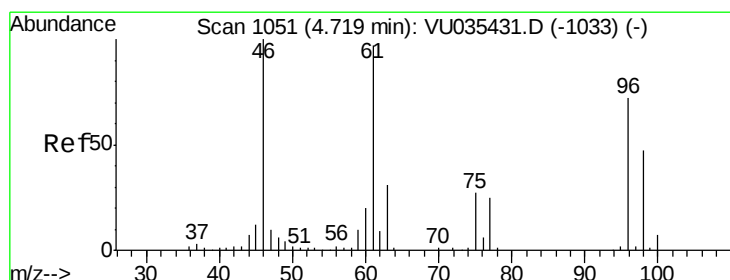
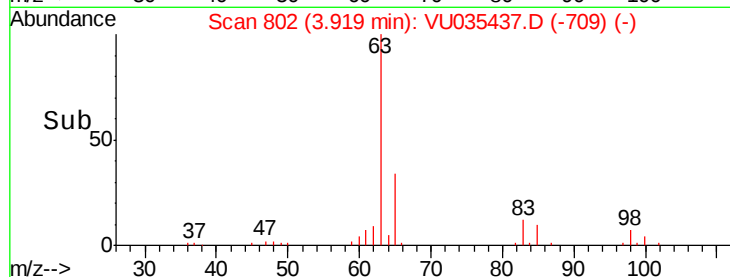
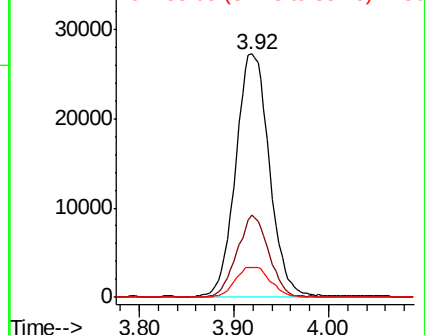
83 12.2 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035437.D (-783) (-)

Ion 65.10 (64.80 to 65.80): VU035437.D (-783) (-)

Ion 83.05 (82.75 to 83.75): VU035437.D (-783) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.307 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU035437.D

Acq: 24 Oct 2019 05:09

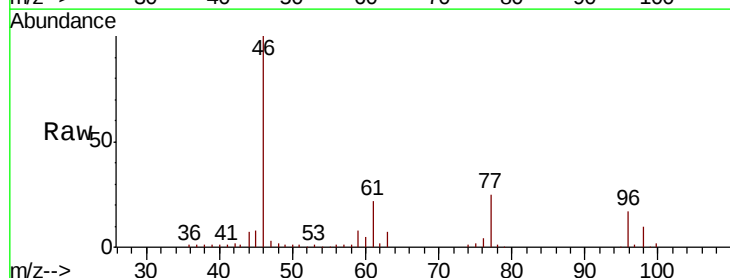
Tgt Ion: 96 Resp: 20941

Ion Ratio Lower Upper

96 100

61 129.6 89.7 166.5

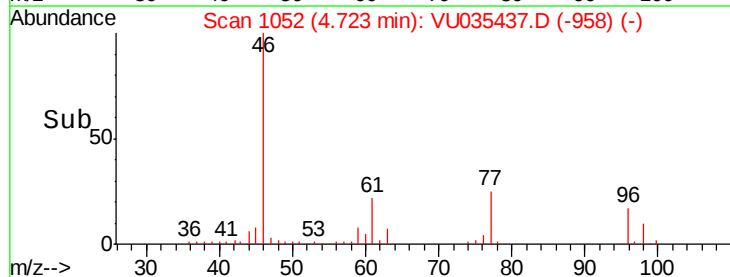
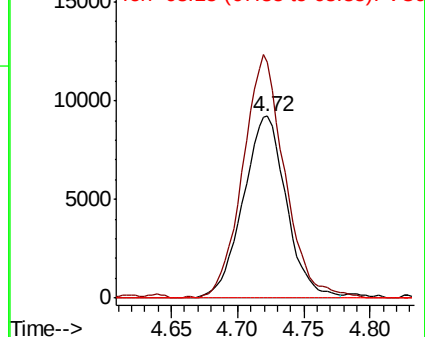
68 0.0 0.0 0.0

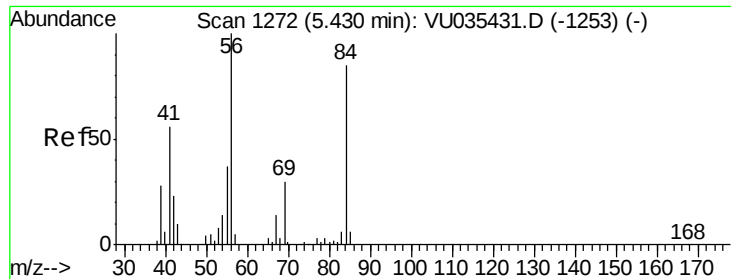


Abundance Ion 96.00 (95.70 to 96.70): VU035437.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035437.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035437.D (-958) (-)

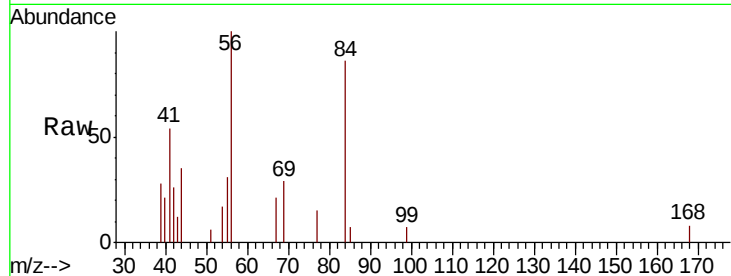




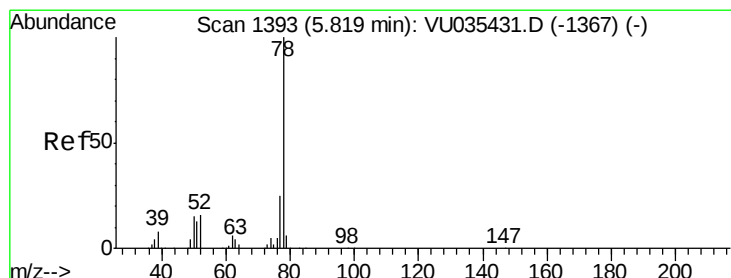
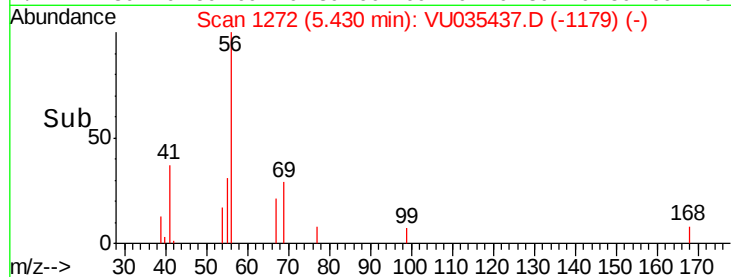
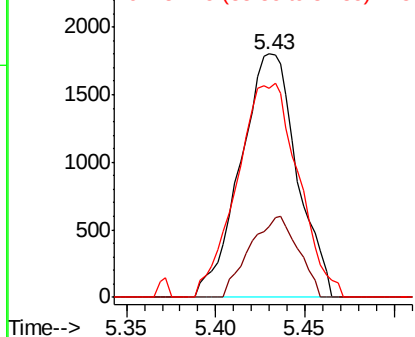
#30
Cyclohexane
Concen: 0.149 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035437.D
Acq: 24 Oct 2019 05:09

Instrument :
MSVOA_U
ClientSampleId :
H0G28

Tot Ion: 56 Resp: 3980
Ion Ratio Lower Upper
56 100
69 28.5 24.6 36.8
84 95.5 71.5 107.3

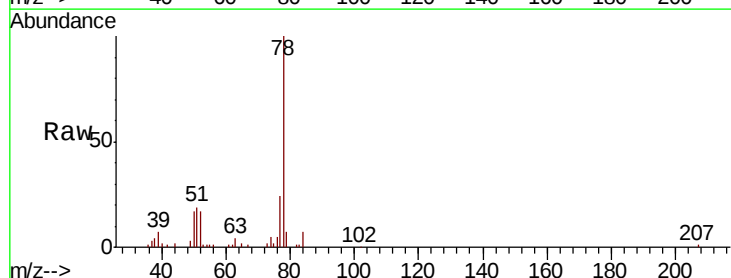


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0



#33
Benzene
Concen: 0.839 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035437.D
Acq: 24 Oct 2019 05:09

Tgt Ion: 78 Resp: 52641



Abundance Ion 78.10 (77.80 to 78.80): VU0

