

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
 Data File : VU035239.D
 Acq On : 18 Oct 2019 03:19
 Operator : JC/SP
 Sample : K5419-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G56

Quant Time: Oct 18 06:56:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 05:36:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	332461	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	321437	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	139091	5.00	ug/L	0.00

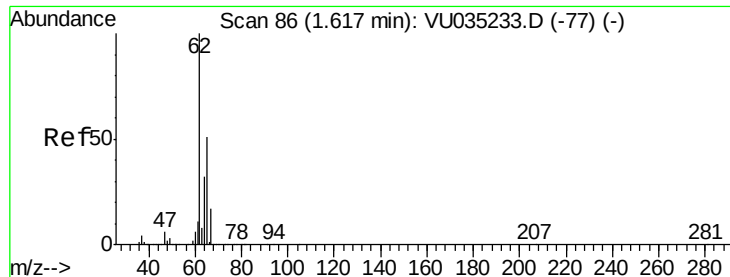
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	110494	5.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.00%
7) Chloroethane-d5	1.93	69	92555	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.59	63	139659	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.71	46	277637	47.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.32%
24) Chloroform-d	5.11	84	176146	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.75	65	105166	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.77	84	378179	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.74	67	119885	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.93	98	352795	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	8.22	79	51224	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.69	63	241004	48.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.50%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	100447	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	128487	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	904642	31.383	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	73456	3.187	ug/L	97
19) 1,1-Dichloroethane	3.92	63	176770	4.241	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	282290	11.080	ug/L	98
25) Chloroform	5.14	83	11065	0.242	ug/L	95
30) Cyclohexane	5.43	56	6624	0.164	ug/L	97
33) Benzene	5.82	78	69833	0.738	ug/L	100
34) Trichloroethene	6.58	95	2845	0.112	ug/L	81
35) Methylcyclohexane	6.79	83	4823	0.113	ug/L	94
42) Toluene	8.01	91	63303	0.606	ug/L	96
52) Ethylbenzene	9.60	91	22030	0.186	ug/L	99

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



#5

Vinyl chloride

Concen: 31.383 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035239.D

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ClientSampleId :

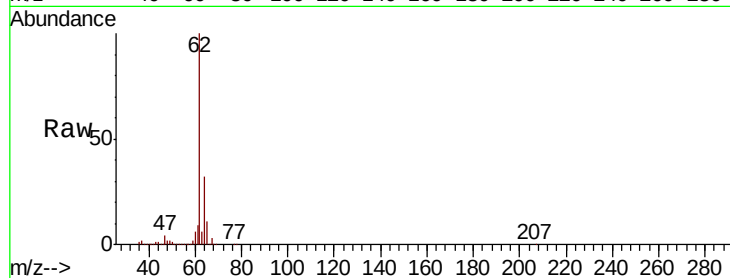
H0G56

Tot Ion: 62 Resp: 904642

Ion Ratio Lower Upper

62 100

64 31.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035239.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035239.D (-77) (-)

1.62

800000

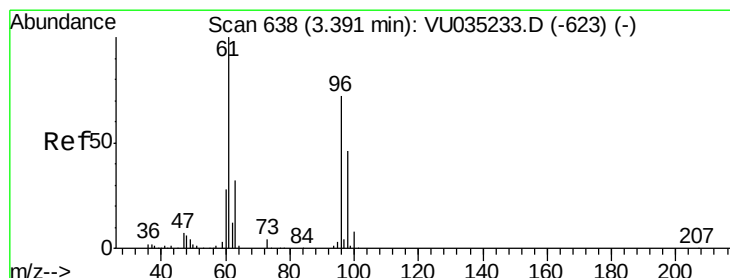
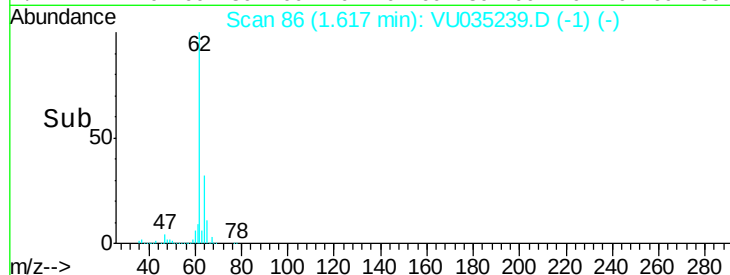
600000

400000

200000

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 3.187 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035239.D

Acq: 18 Oct 2019 03:19

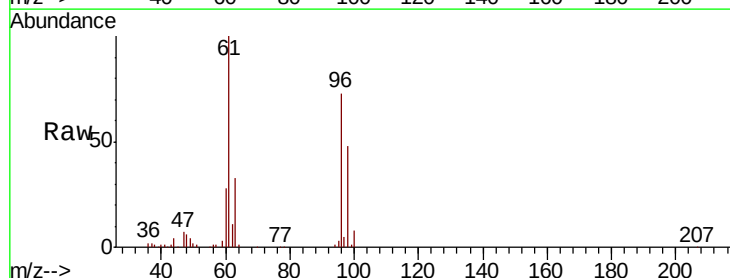
Tgt Ion: 96 Resp: 73456

Ion Ratio Lower Upper

96 100

61 136.3 93.0 172.6

98 65.0 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035239.D (-623) (-)

Ion 61.05 (60.75 to 61.75): VU035239.D (-623) (-)

Ion 97.95 (97.65 to 98.65): VU035239.D (-623) (-)

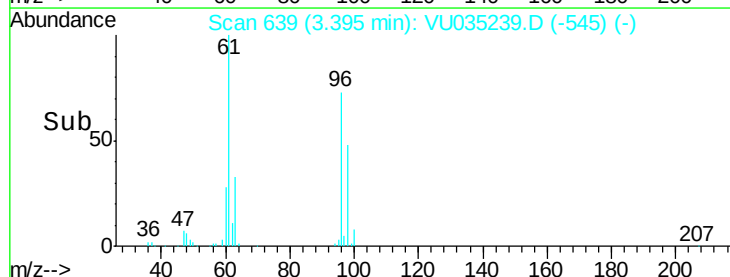
60000

40000

20000

0

Time-->



3.39

3.39

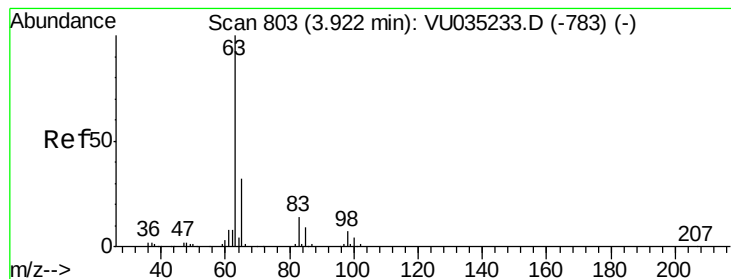
3.39

3.39

3.39

3.39

3.39



#19

1,1-Dichloroethane

Concen: 4.241 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035239.D

Acq: 18 Oct 2019 03:19

Instrument :

MSVOA_U

ClientSampleId :

H0G56

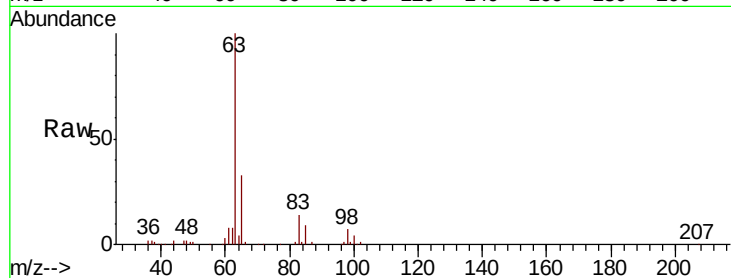
Tot Ion: 63 Resp: 176770

Ion Ratio Lower Upper

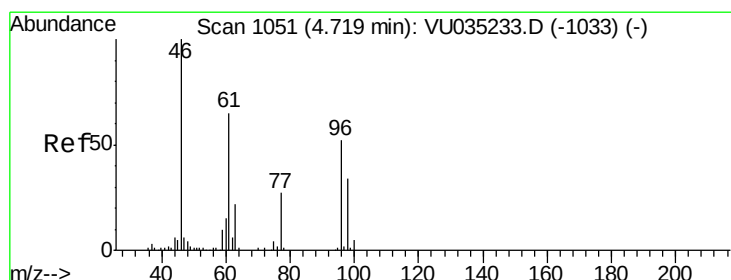
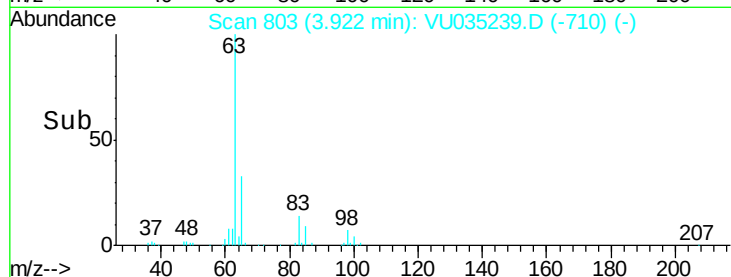
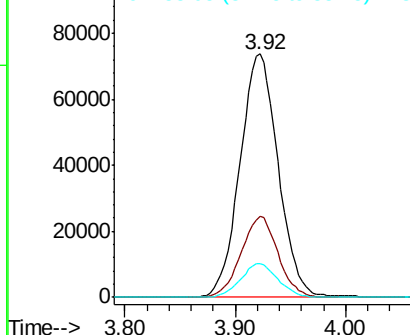
63 100

65 33.3 22.4 41.6

83 13.9 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 11.080 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035239.D

Acq: 18 Oct 2019 03:19

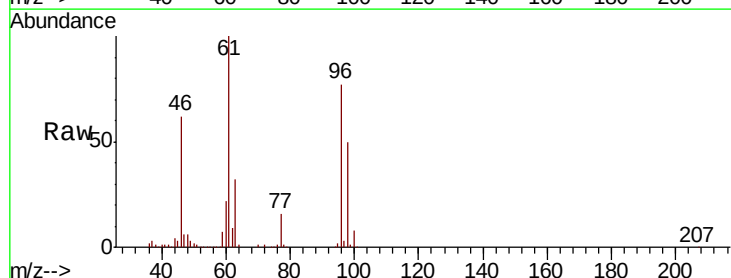
Tgt Ion: 96 Resp: 282290

Ion Ratio Lower Upper

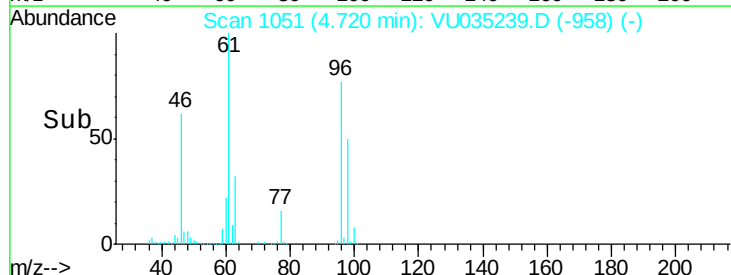
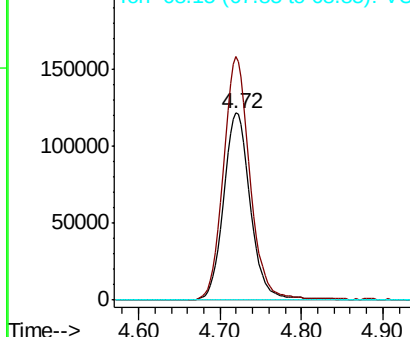
96 100

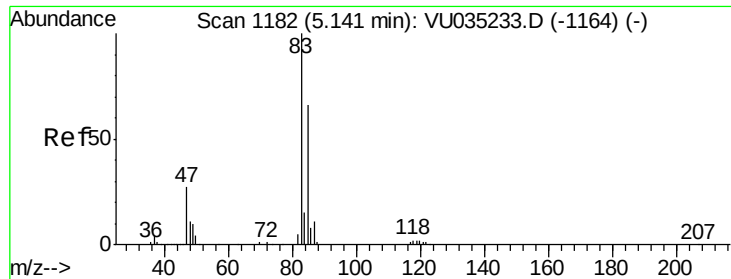
61 130.2 89.7 166.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0

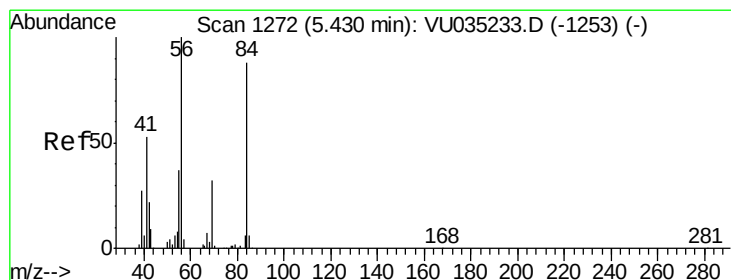
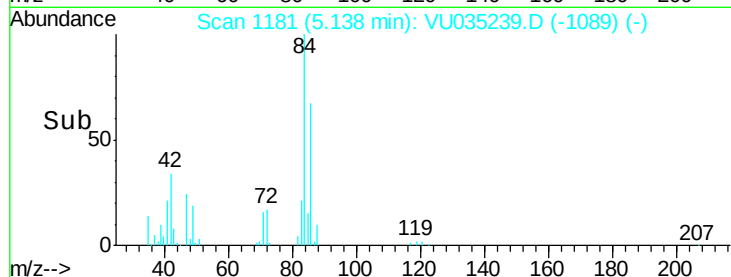
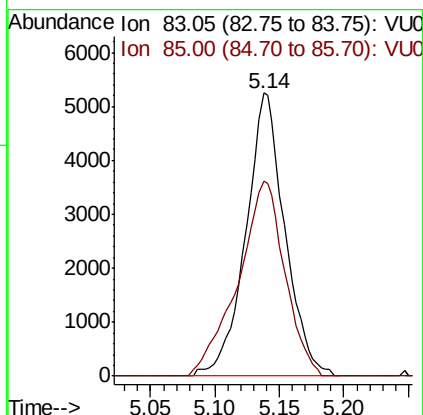
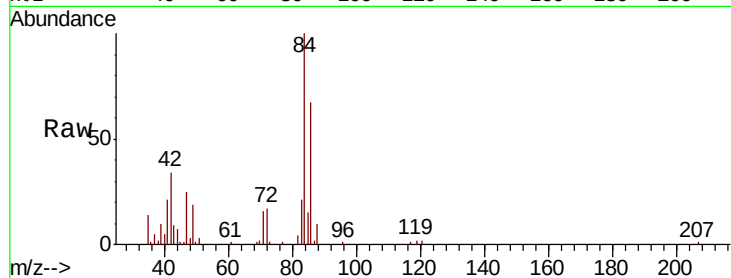




#25
Chloroform
Concen: 0.242 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035239.D
Acq: 18 Oct 2019 03:19

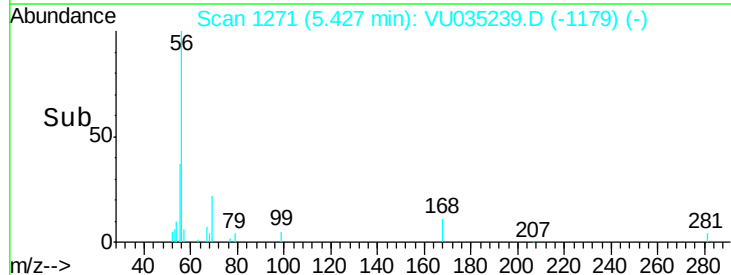
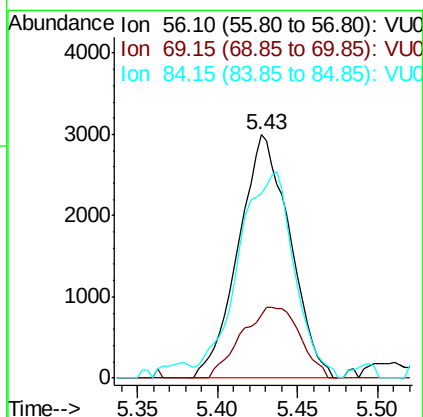
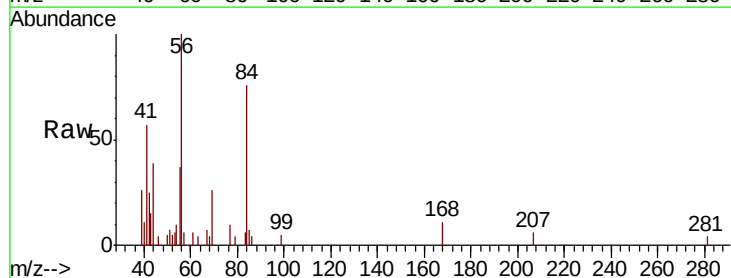
Instrument :
MSVOA_U
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H0G56

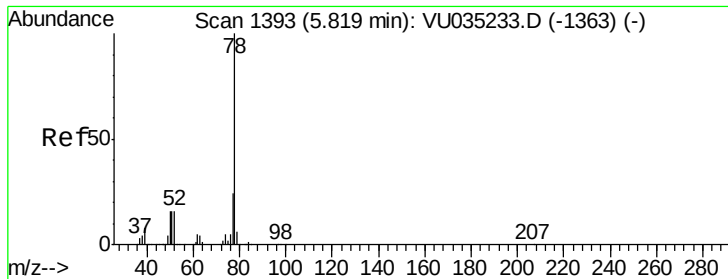
Tot Ion: 83 Resp: 11065
Ion Ratio Lower Upper
83 100
85 68.8 45.1 83.9



#30
Cyclohexane
Concen: 0.164 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU035239.D
Acq: 18 Oct 2019 03:19

Tgt Ion: 56 Resp: 6624
Ion Ratio Lower Upper
56 100
69 33.1 24.6 36.8
84 91.9 71.5 107.3





#33

Benzene

Concen: 0.738 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035239.D

Acq: 18 Oct 2019 03:19

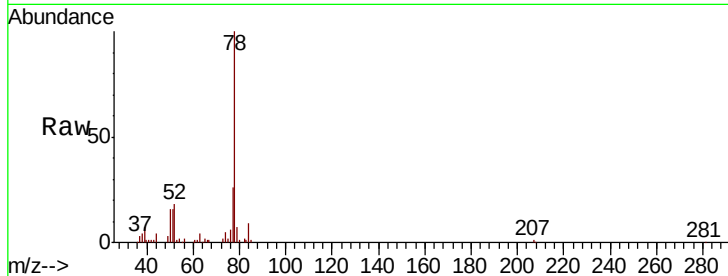
Instrument :

MSVOA_U

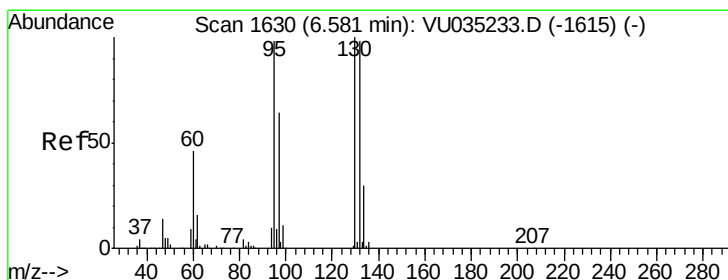
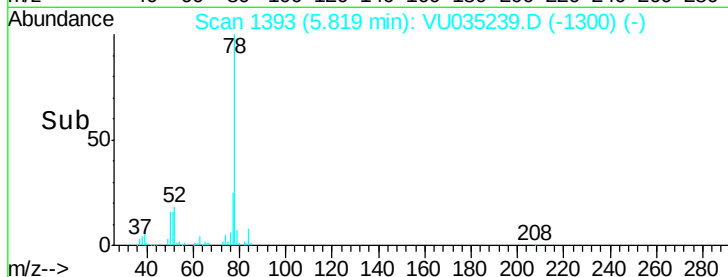
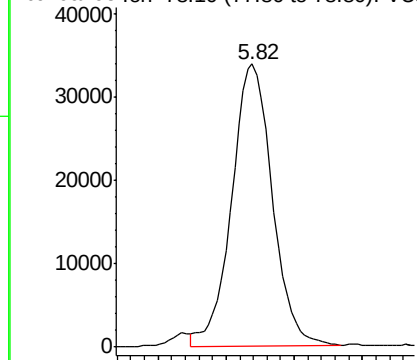
ClientSampleId :

H0G56

Tgt Ion: 78 Resp: 69833



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.112 ug/L

RT: 6.58 min Scan# 1630

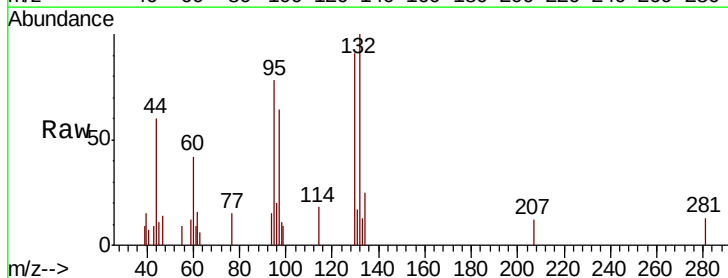
Delta R.T. 0.00 min

Lab File: VU035239.D

Acq: 18 Oct 2019 03:19

Tgt Ion: 95 Resp: 2845

Ion	Ratio	Lower	Upper
95	100		
97	81.1	46.6	86.6
132	127.4	68.7	127.7
130	116.1	73.9	137.3

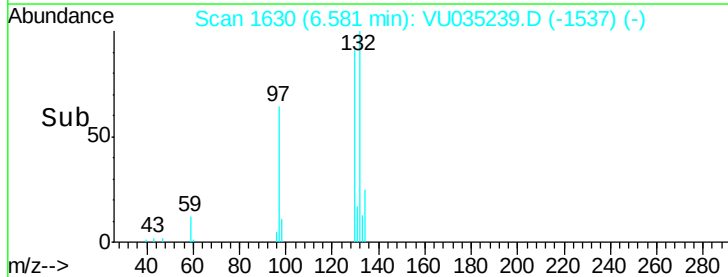
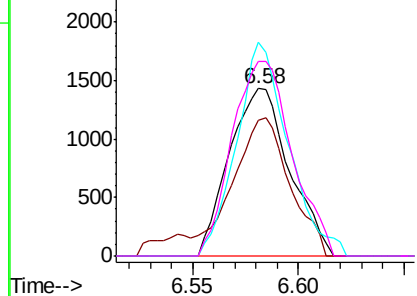


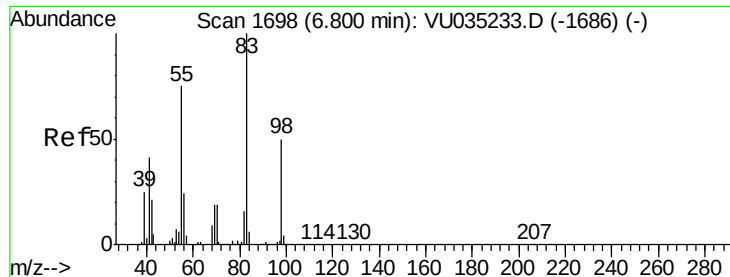
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

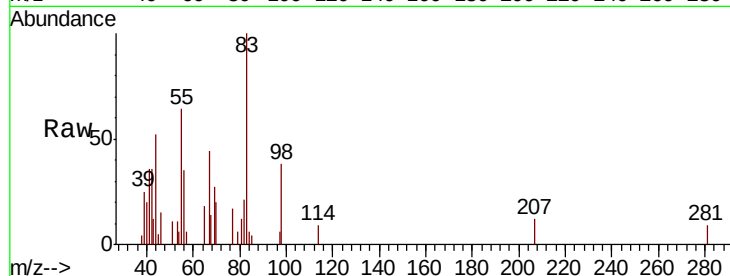




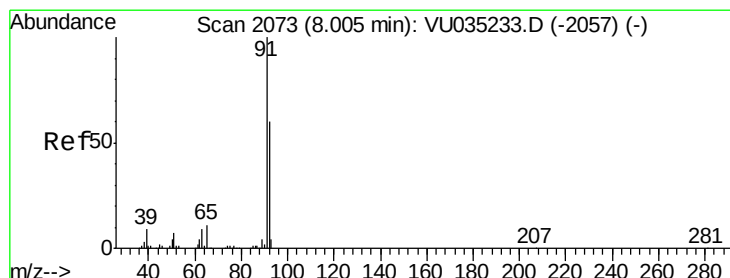
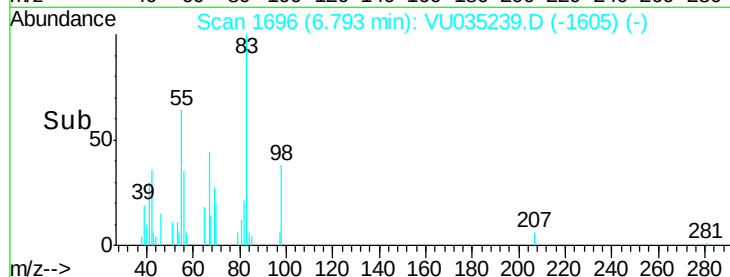
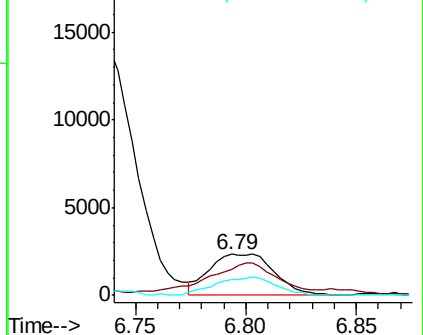
#35
Methylvlcyclohexane
Concen: 0.113 ug/L
RT: 6.79 min Scan# 1696
Delta R.T. -0.01 min
Lab File: VU035239.D
Acq: 18 Oct 2019 03:19

Instrument :
MSVOA_U
ClientSampleId :
H0G56

Tot Ion: 83 Resp: 4823
Ion Ratio Lower Upper
83 100
55 76.8 60.4 90.6
98 40.9 39.5 59.3

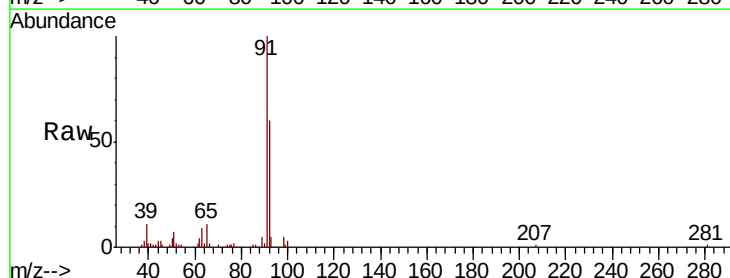


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

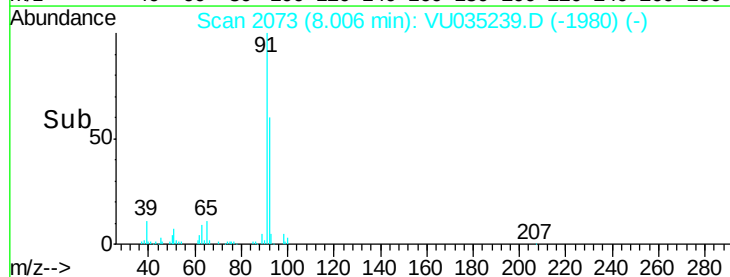
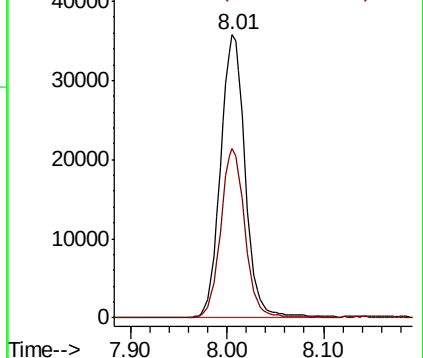


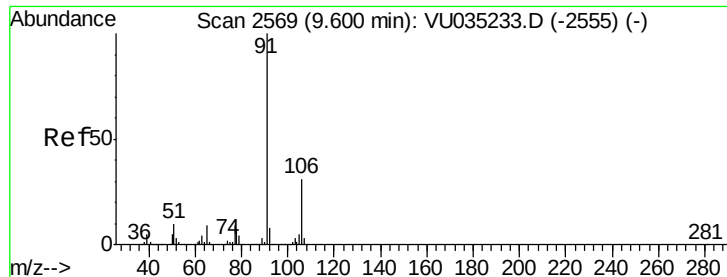
#42
Toluene
Concen: 0.606 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VU035239.D
Acq: 18 Oct 2019 03:19

Tgt Ion: 91 Resp: 63303
Ion Ratio Lower Upper
91 100
92 59.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#52
 Ethylbenzene
 Concen: 0.186 ug/L
 RT: 9.60 min Scan# 2569
 Delta R.T. 0.00 min
 Lab File: VU035239.D
 Acq: 18 Oct 2019 03:19

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G56

Tot Ion: 91 Resp: 22030
 Ion Ratio Lower Upper
 91 100
 106 31.2 21.3 39.6

