

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
 Data File : VU035254.D
 Acq On : 18 Oct 2019 09:09
 Operator : JC/SP
 Sample : K5419-04MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G23MSD

Quant Time: Oct 18 14:49:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 07:32:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	332730	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	316760	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	142309	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	111828	5.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.20%
7) Chloroethane-d5	1.93	69	100834	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.80%
11) 1,1-Dichloroethene-d2	2.60	63	193871	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.40%
20) 2-Butanone-d5	4.71	46	291292	49.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.92%
24) Chloroform-d	5.12	84	199901	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	5.75	65	111096	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.77	84	410606	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
36) 1,2-Dichloropropane-d6	6.74	67	130793	5.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.80%
41) Toluene-d8	7.93	98	386784	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.60%
43) trans-1,3-Dichloropropene-	8.22	79	59779	5.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.20%
46) 2-Hexanone-d5	8.68	63	251455	51.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.16%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	106437	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	141303	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

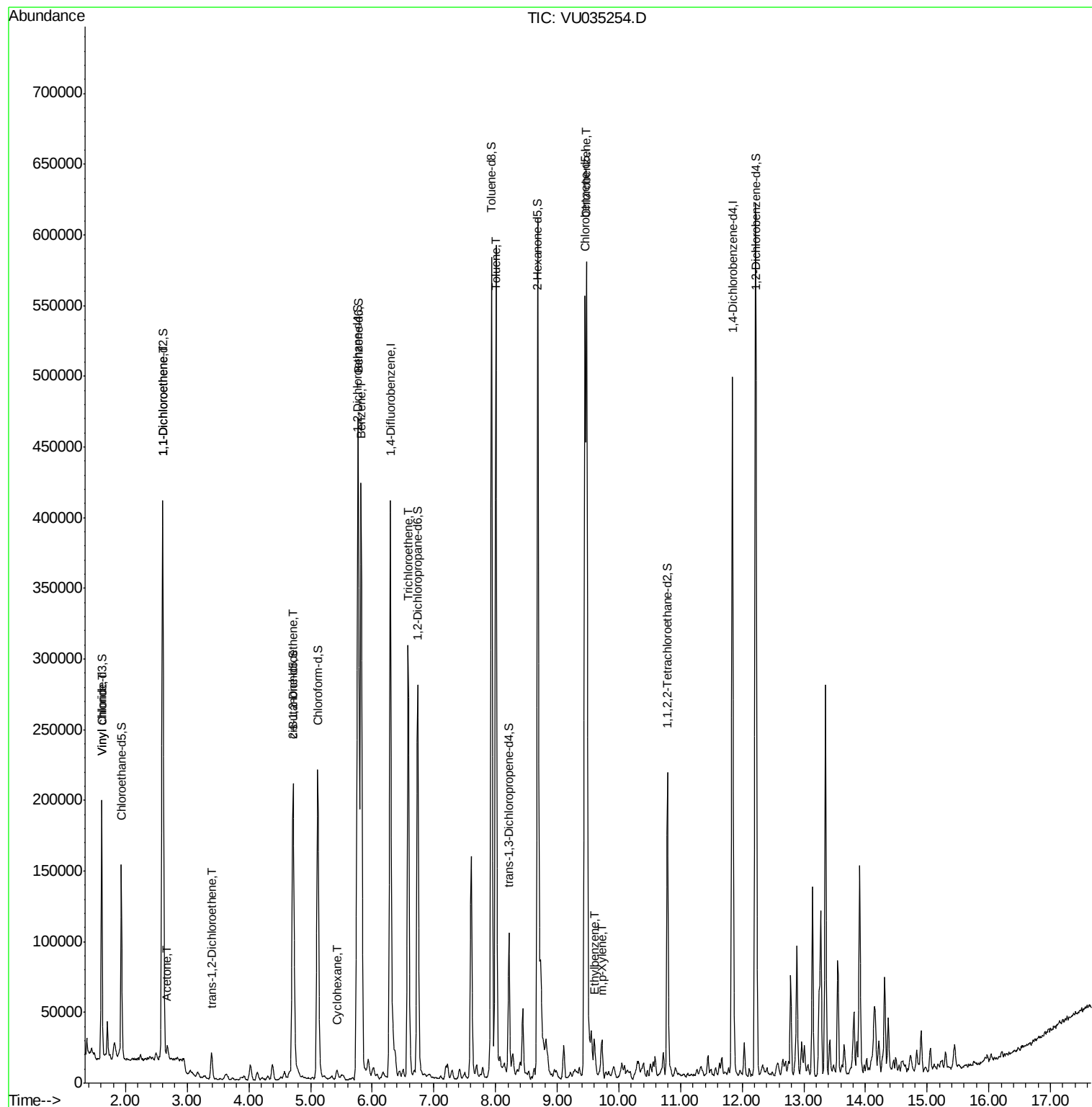
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	14359	0.498	ug/L	84
12) 1,1-Dichloroethene	2.61	96	75627	3.538	ug/L	96
13) Acetone	2.68	43	10568	2.606	ug/L	87
18) trans-1,2-Dichloroethene	3.39	96	6360	0.276	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	15201	0.596	ug/L	97
30) Cyclohexane	5.43	56	3417	0.086	ug/L	88
33) Benzene	5.82	78	393197	4.219	ug/L	100
34) Trichloroethene	6.58	95	100797	4.023	ug/L	98
42) Toluene	8.01	91	430091	4.180	ug/L	98
51) Chlorobenzene	9.48	112	296705	4.467	ug/L	98
52) Ethylbenzene	9.60	91	14693	0.126	ug/L	92
53) m,p-Xylene	9.73	106	3539	0.080	ug/L	86

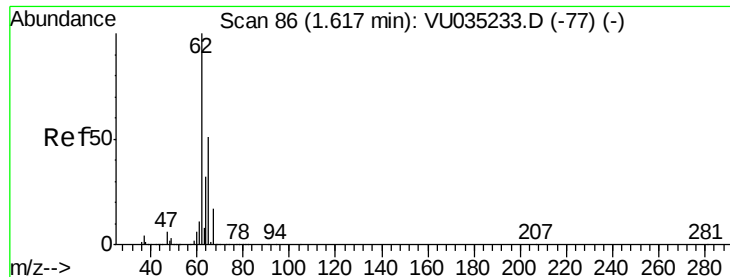
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 18 07:32:05 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.498 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035254.D

Acq: 18 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

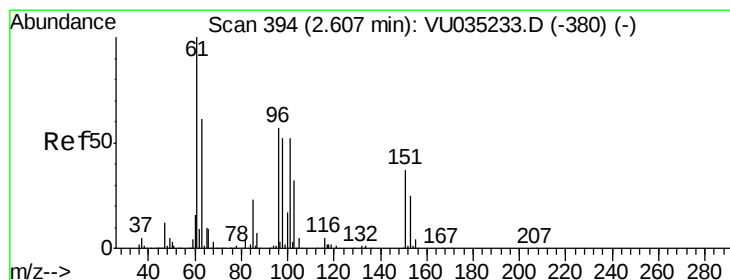
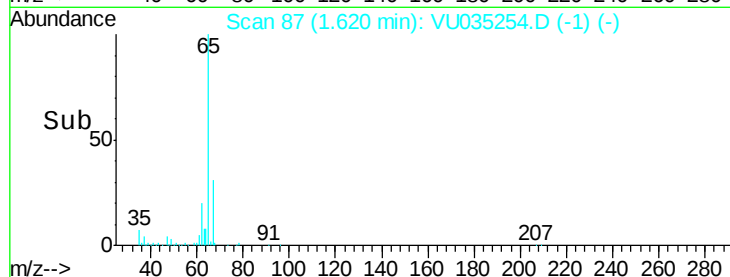
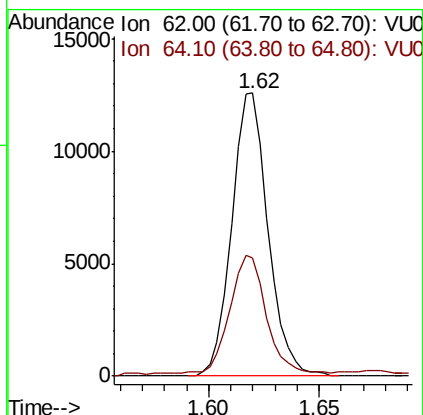
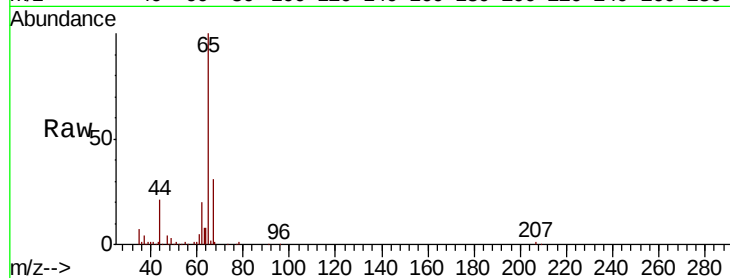
H0G23MSD

Tot Ion: 62 Resp: 14359

Ion Ratio Lower Upper

62 100

64 41.7 22.9 42.5



#12

1,1-Dichloroethene

Concen: 3.538 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035254.D

Acq: 18 Oct 2019 09:09

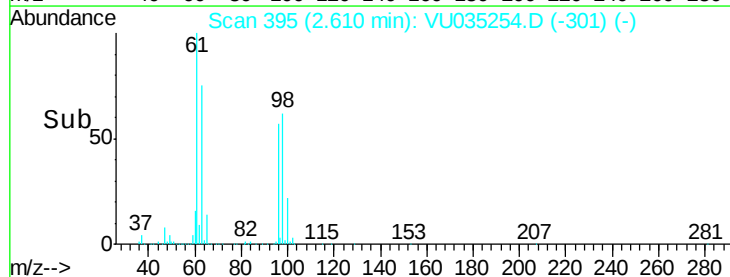
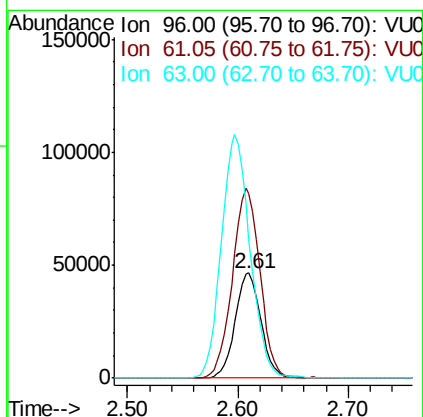
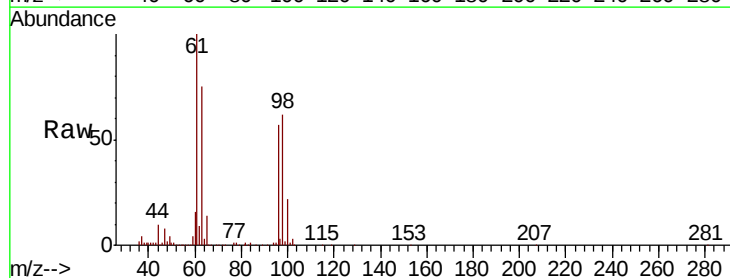
Tgt Ion: 96 Resp: 75627

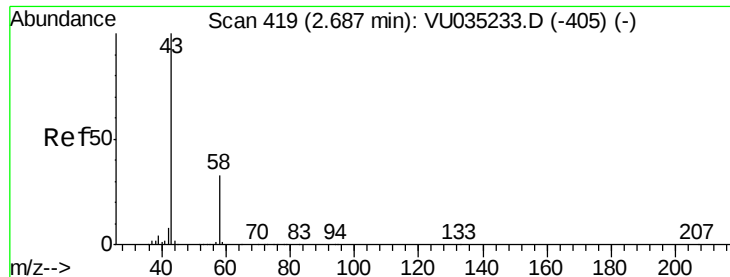
Ion Ratio Lower Upper

96 100

61 175.2 120.6 224.0

63 132.3 86.8 161.2





#13

Acetone

Concen: 2.606 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.01 min

Lab File: VU035254.D

Acq: 18 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

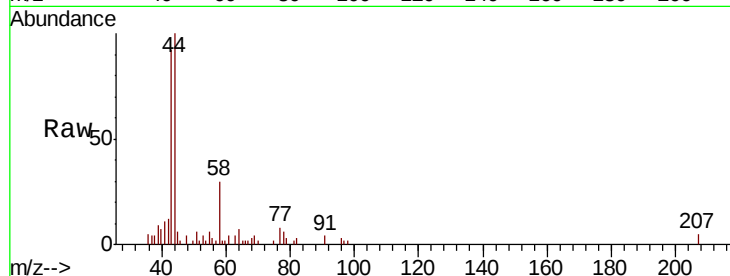
H0G23MSD

Tot Ion: 43 Resp: 10568

Ion Ratio Lower Upper

43 100

58 37.9 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035233.D (-405) (-)

Ion 58.05 (57.75 to 58.75): VU035233.D (-405) (-)

2.68

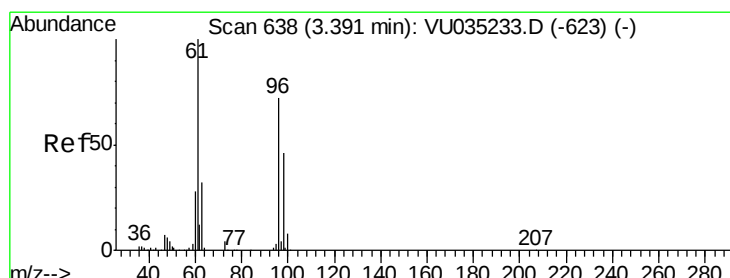
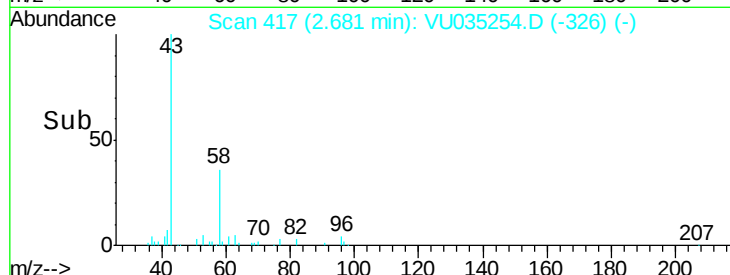
6000

4000

2000

0

Time--> 2.60 2.65 2.70 2.75



#18

trans-1,2-Dichloroethene

Concen: 0.276 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035254.D

Acq: 18 Oct 2019 09:09

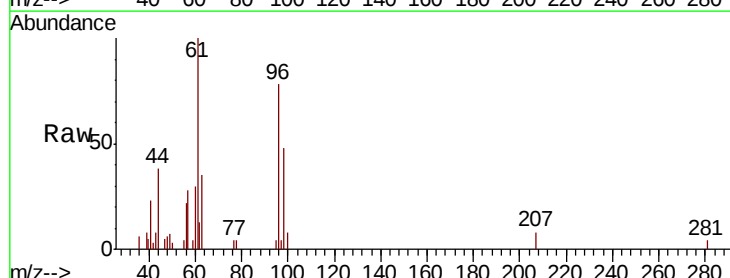
Tgt Ion: 96 Resp: 6360

Ion Ratio Lower Upper

96 100

61 128.5 93.0 172.6

98 61.4 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035233.D (-623) (-)

Ion 61.05 (60.75 to 61.75): VU035233.D (-623) (-)

Ion 97.95 (97.65 to 98.65): VU035254.D (-545) (-)

3.39

5000

4000

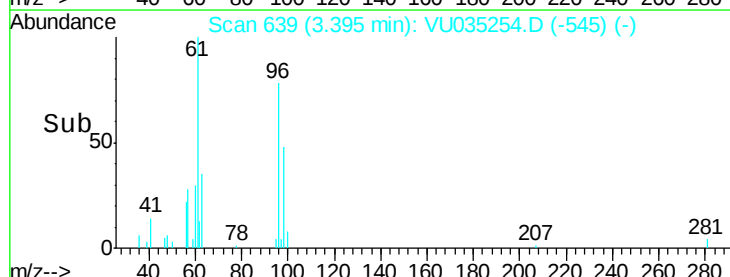
3000

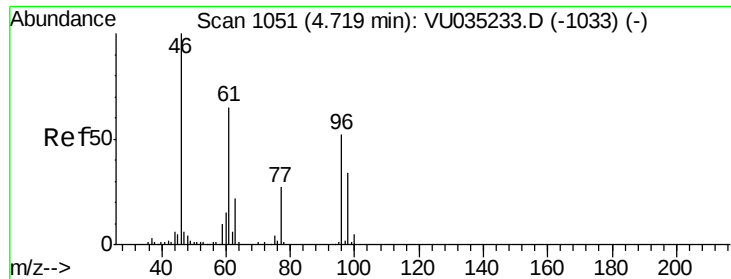
2000

1000

0

Time--> 3.35 3.40 3.45

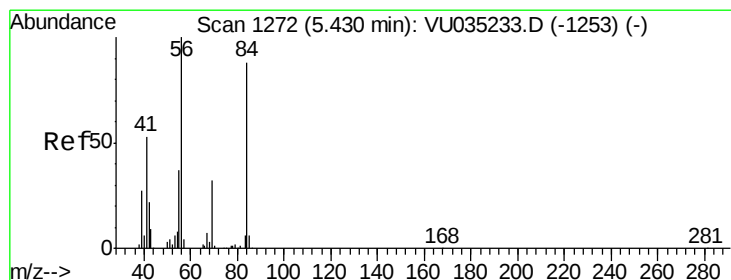
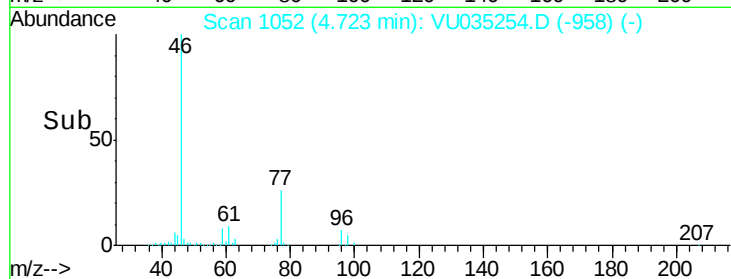
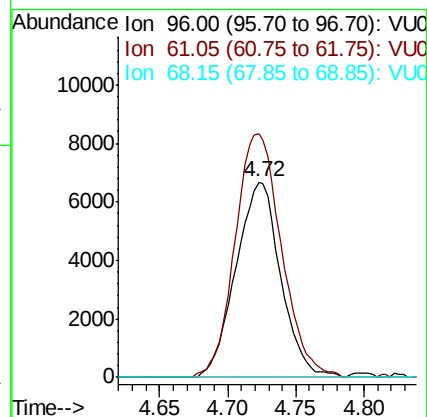
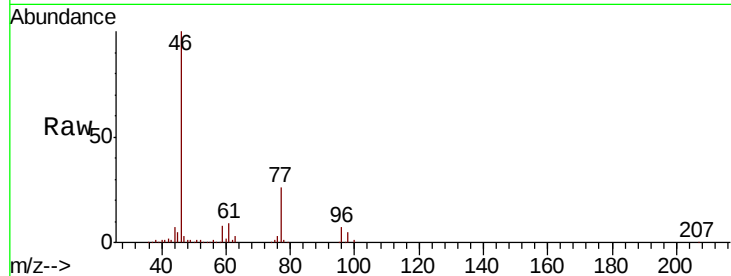




#22
 cis-1,2-Dichloroethene
 Concen: 0.596 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VU035254.D
 Acq: 18 Oct 2019 09:09

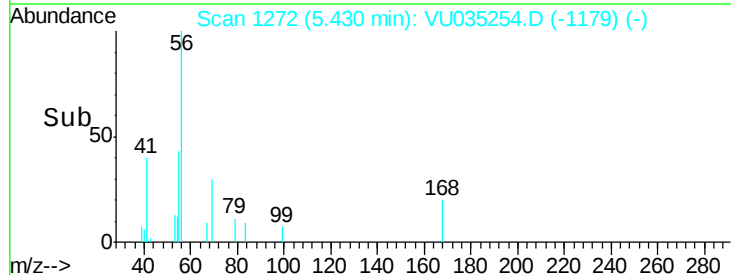
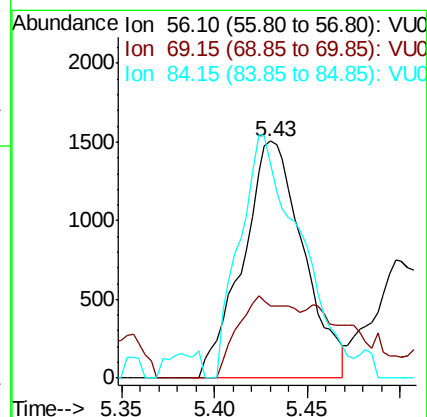
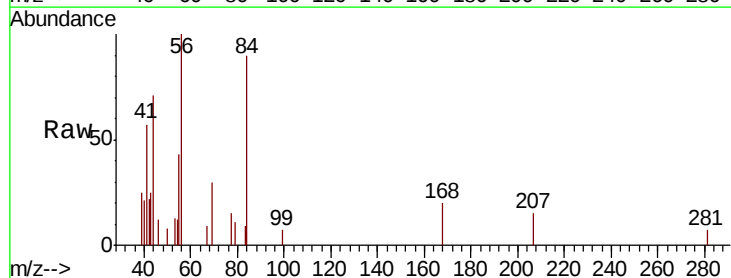
Instrument :
 MSVOA_U
 ClientSampled :
 H0G23MSD

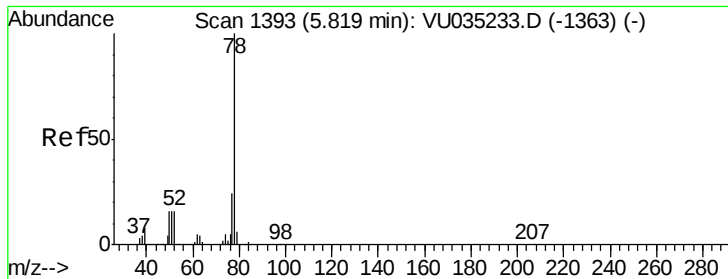
Tot Ion: 96 Resp: 15201
 Ion Ratio Lower Upper
 96 100
 61 124.7 89.7 166.5
 68 0.0 0.0 0.0



#30
 Cyclohexane
 Concen: 0.086 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035254.D
 Acq: 18 Oct 2019 09:09

Tgt Ion: 56 Resp: 3417
 Ion Ratio Lower Upper
 56 100
 69 31.6 24.6 36.8
 84 103.4 71.5 107.3





#33

Benzene

Concen: 4.219 ug/L

RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU035254.D

Acq: 18 Oct 2019 09:09

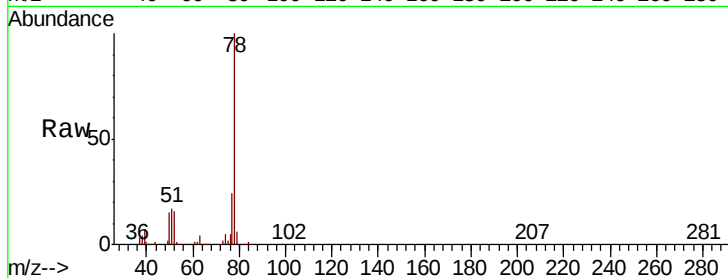
Instrument :

MSVOA_U

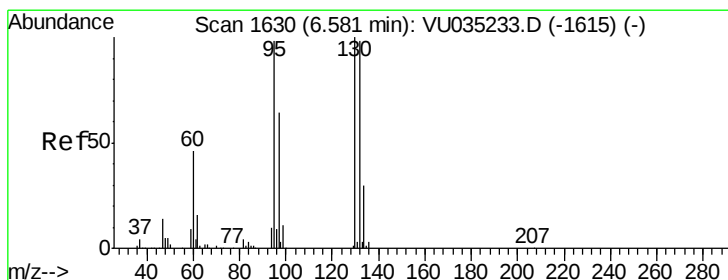
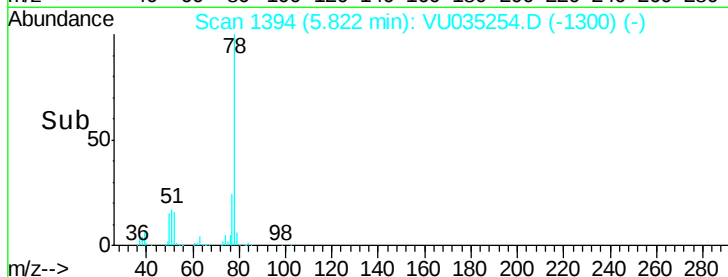
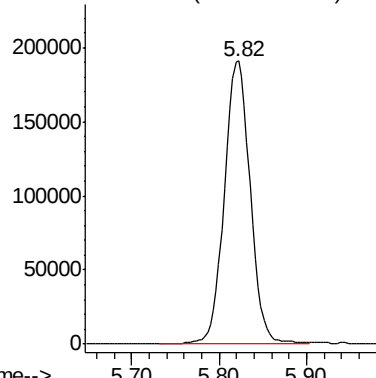
ClientSampleId :

H0G23MSD

Tgt Ion: 78 Resp: 393197



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.023 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035254.D

Acq: 18 Oct 2019 09:09

Tgt Ion: 95 Resp: 100797

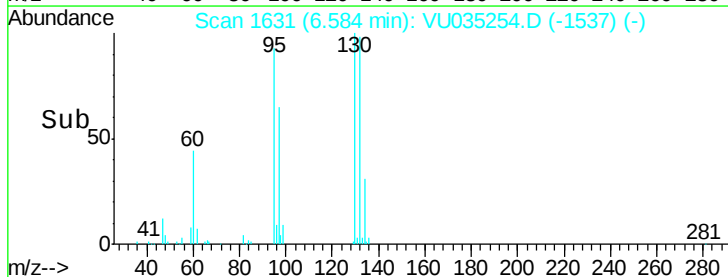
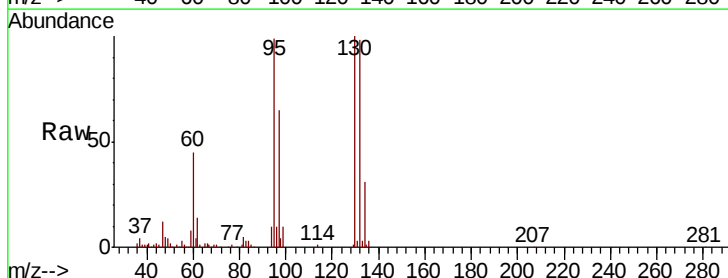
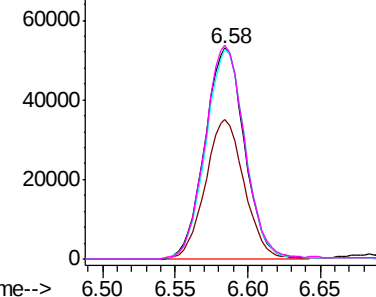
Ion	Ratio	Lower	Upper
95	100		
97	65.9	46.6	86.6
132	99.7	68.7	127.7
130	101.3	73.9	137.3

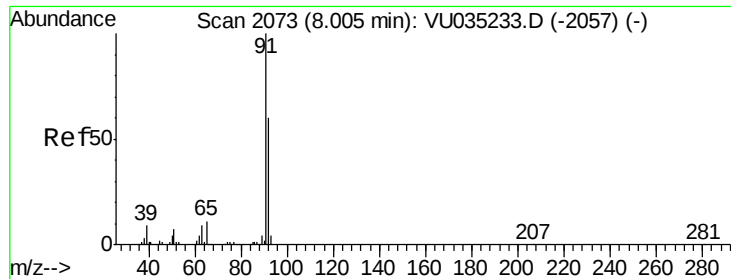
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0





#42

Toluene

Concen: 4.180 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035254.D

Acq: 18 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

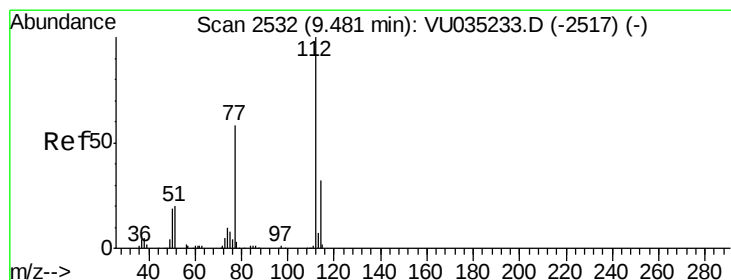
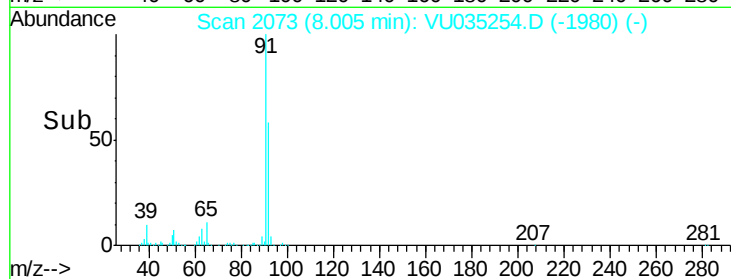
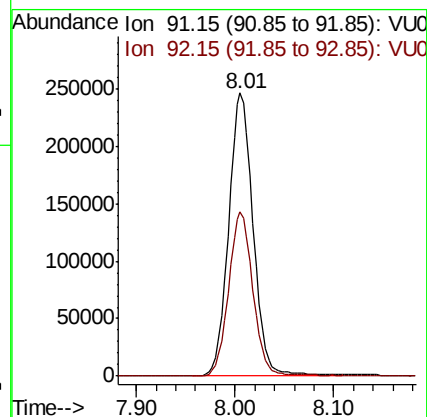
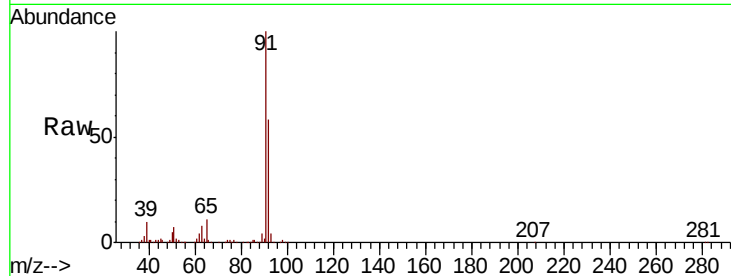
H0G23MSD

Tot Ion: 91 Resp: 430091

Ion Ratio Lower Upper

91 100

92 58.1 39.9 74.1



#51

Chlorobenzene

Concen: 4.467 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU035254.D

Acq: 18 Oct 2019 09:09

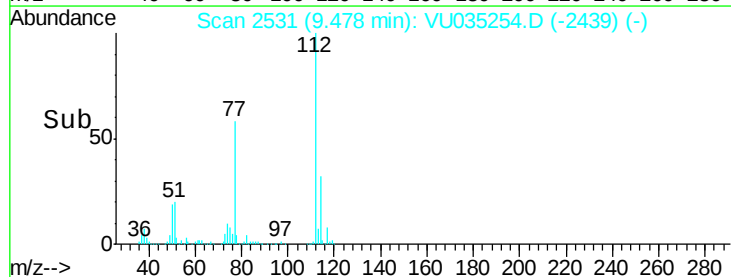
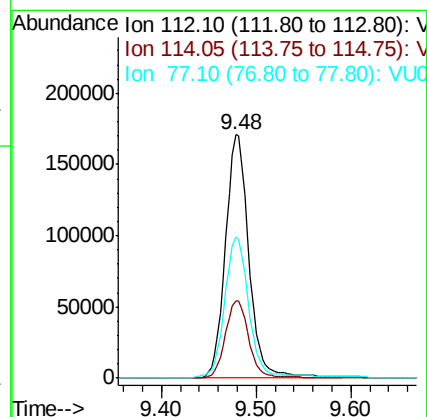
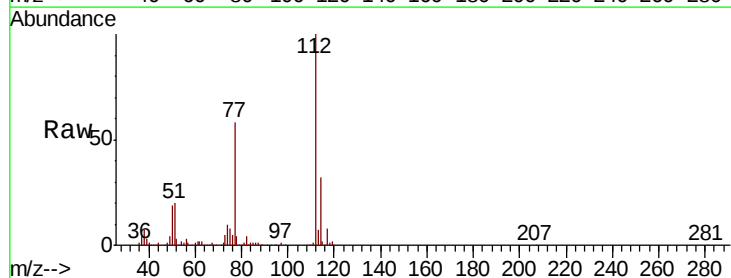
Tgt Ion: 112 Resp: 296705

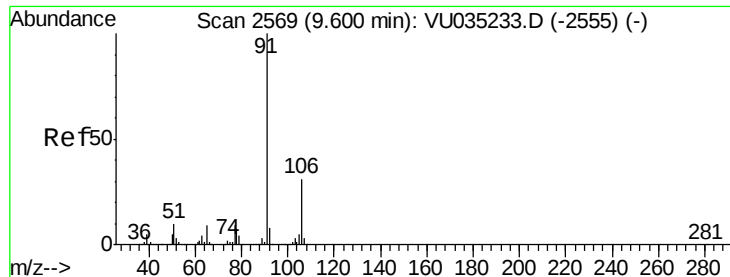
Ion Ratio Lower Upper

112 100

114 31.7 23.0 42.8

77 57.9 47.5 71.3





#52

Ethylbenzene

Concen: 0.126 ug/L

RT: 9.60 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU035254.D

Acq: 18 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

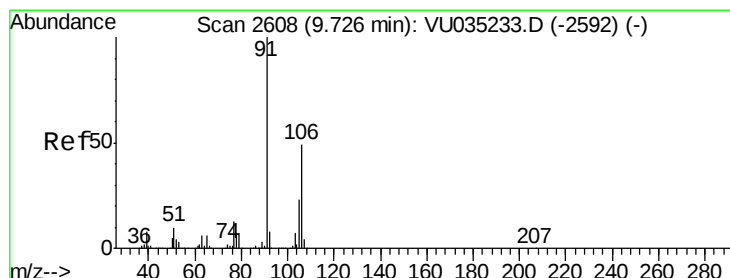
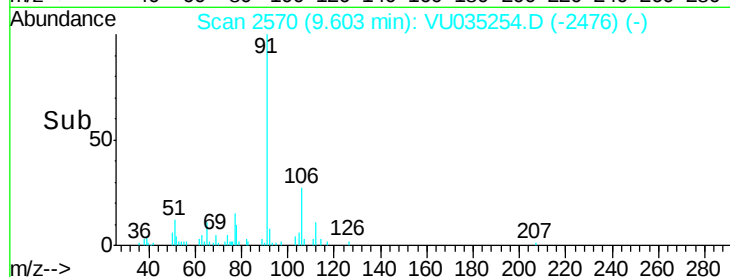
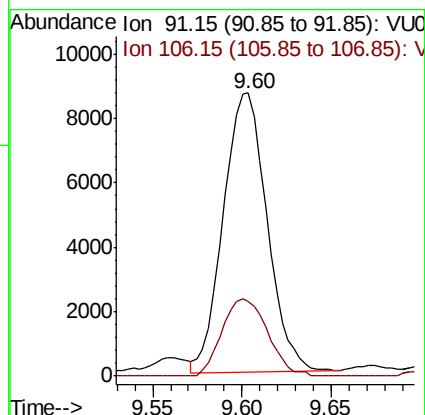
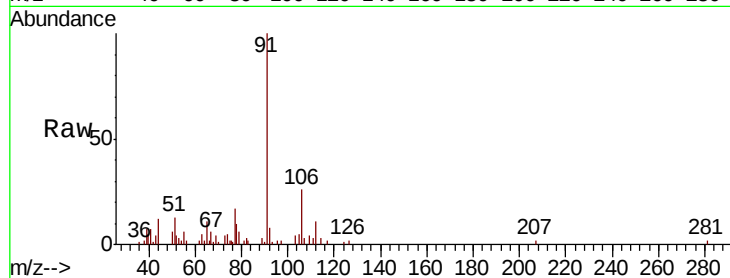
H0G23MSD

Tot Ion: 91 Resp: 14693

Ion Ratio Lower Upper

91 100

106 26.3 21.3 39.6



#53

m,p-Xylene

Concen: 0.080 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035254.D

Acq: 18 Oct 2019 09:09

Tgt Ion: 106 Resp: 3539

Ion Ratio Lower Upper

106 100

91 223.8 142.0 263.6

