

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
 Data File : VU035253.D
 Acq On : 18 Oct 2019 08:47
 Operator : JC/SP
 Sample : K5419-03MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G23MS

Quant Time: Oct 18 14:46:55 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	357996	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	347663	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	153113	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	103011	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.93	69	91473	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.60	63	182352	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	4.71	46	257663	41.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.14%
24) Chloroform-d	5.11	84	183500	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.75	65	102729	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.77	84	380805	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.74	67	120006	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.93	98	357715	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	8.21	79	53952	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.68	63	233582	43.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.46%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	99276	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	129936	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

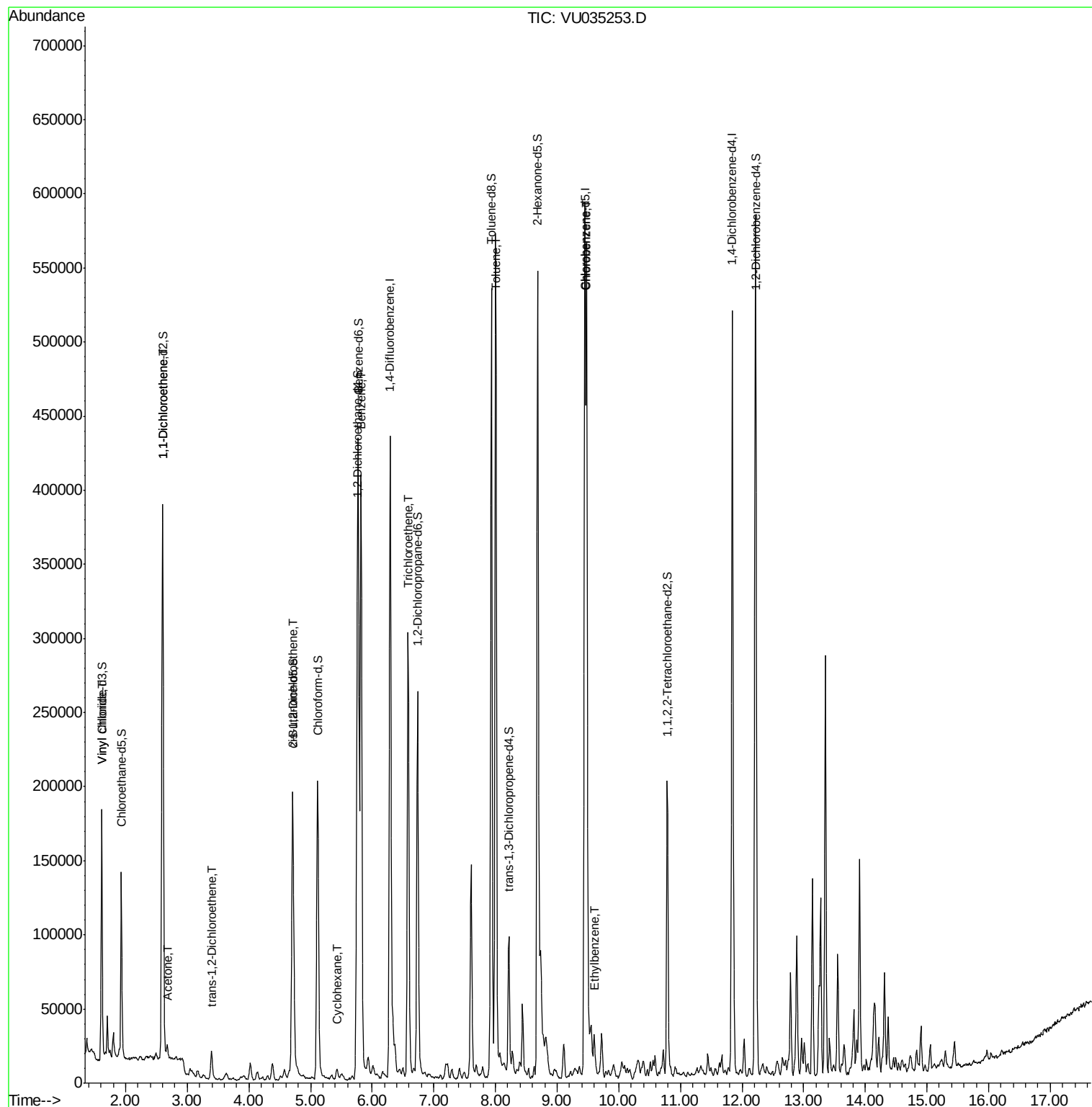
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	14359	0.463	ug/L #	75
12) 1,1-Dichloroethene	2.61	96	75276	3.273	ug/L	98
13) Acetone	2.68	43	11113	2.547	ug/L	93
18) trans-1,2-Dichloroethene	3.39	96	6588	0.265	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	14890	0.543	ug/L	95
30) Cyclohexane	5.43	56	3599	0.083	ug/L #	82
33) Benzene	5.82	78	384072	3.755	ug/L	100
34) Trichloroethene	6.58	95	98784	3.592	ug/L	97
42) Toluene	8.01	91	419444	3.714	ug/L	100
51) Chlorobenzene	9.48	112	284180	3.898	ug/L	99
52) Ethylbenzene	9.60	91	14565	0.113	ug/L	96

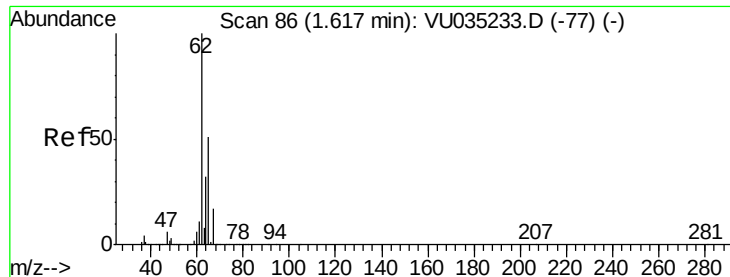
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 0.463 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

Instrument :

MSVOA_U

ClientSampleId :

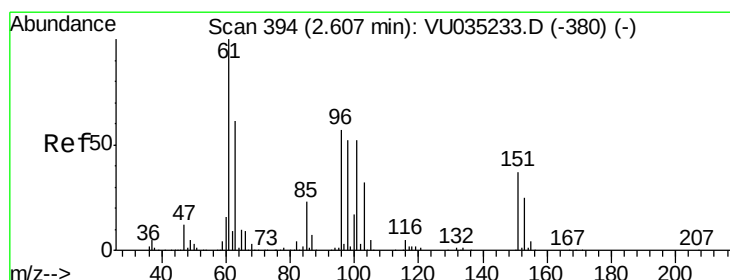
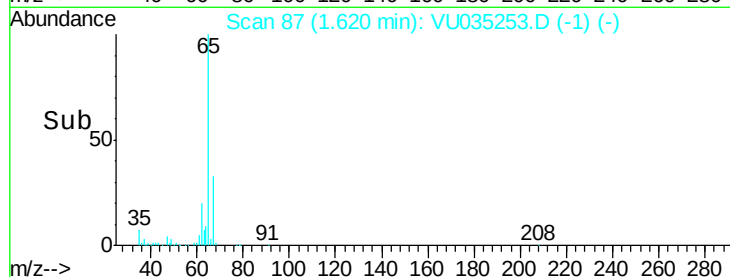
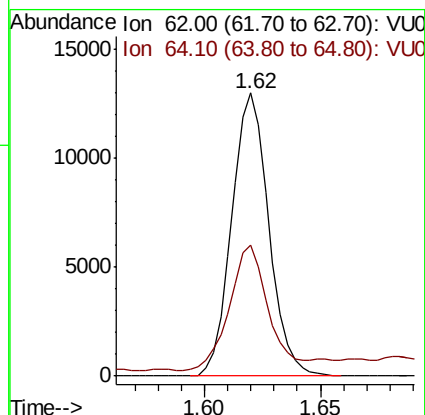
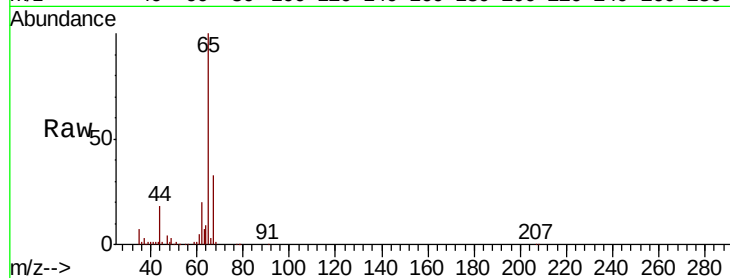
H0G23MS

Tot Ion: 62 Resp: 14359

Ion Ratio Lower Upper

62 100

64 46.5 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 3.273 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

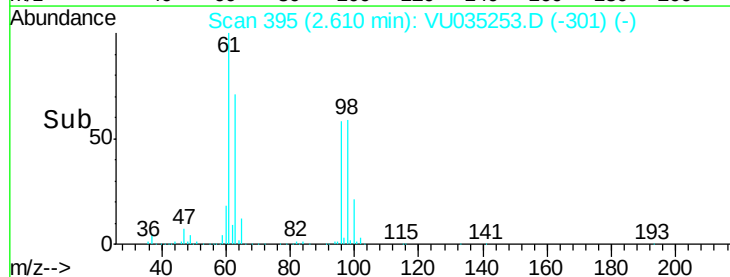
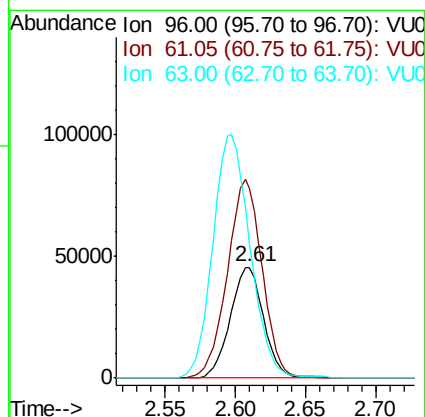
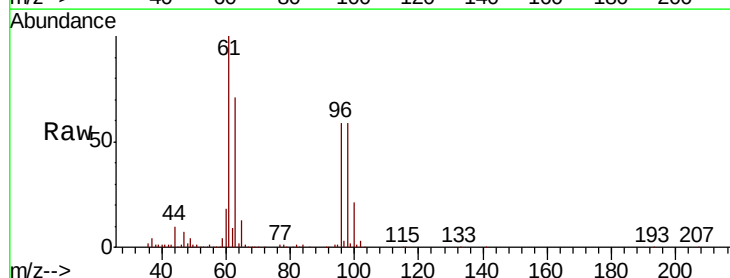
Tgt Ion: 96 Resp: 75276

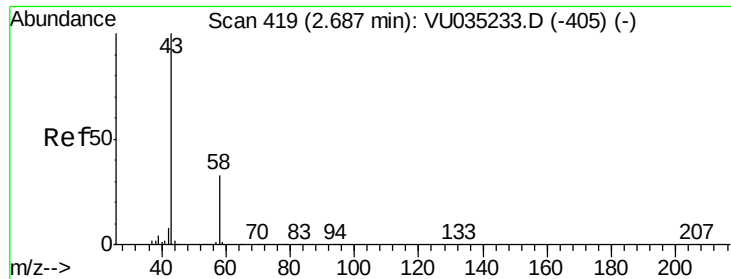
Ion Ratio Lower Upper

96 100

61 170.7 120.6 224.0

63 121.4 86.8 161.2





#13

Acetone

Concen: 2.547 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

Instrument :

MSVOA_U

ClientSampleId :

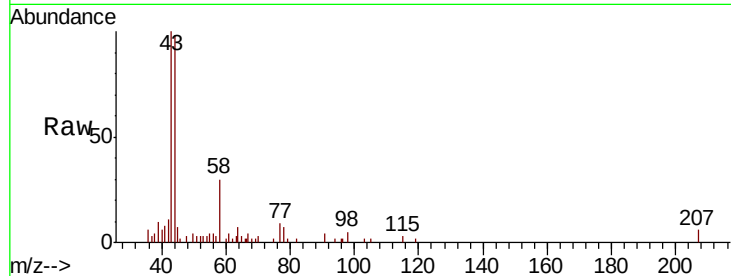
H0G23MS

Tot Ion: 43 Resp: 11113

Ion Ratio Lower Upper

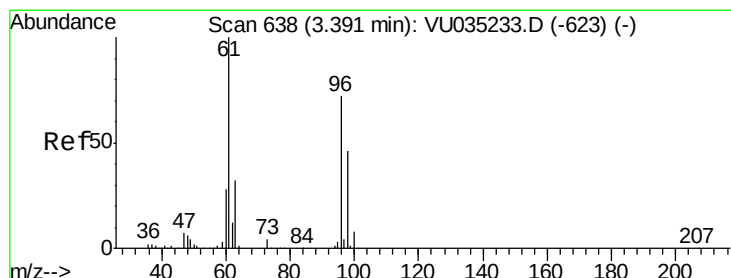
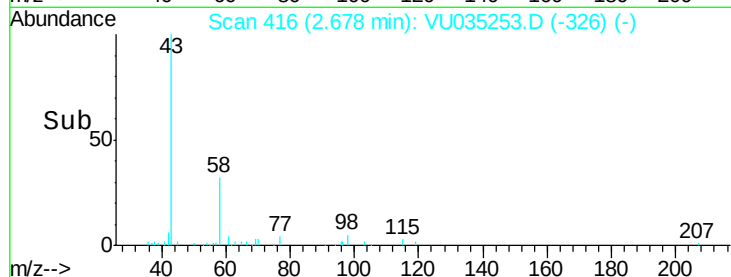
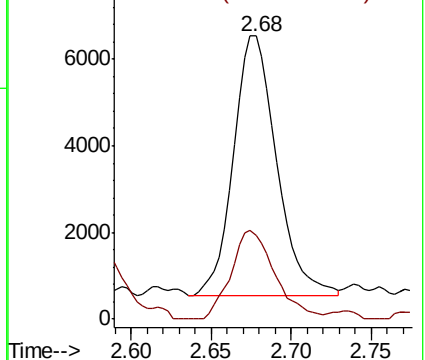
43 100

58 34.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035253.D (-326) (-)

Ion 58.05 (57.75 to 58.75): VU035253.D (-326) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.265 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

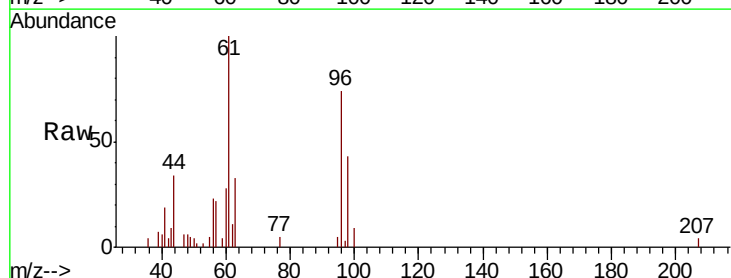
Tgt Ion: 96 Resp: 6588

Ion Ratio Lower Upper

96 100

61 134.9 93.0 172.6

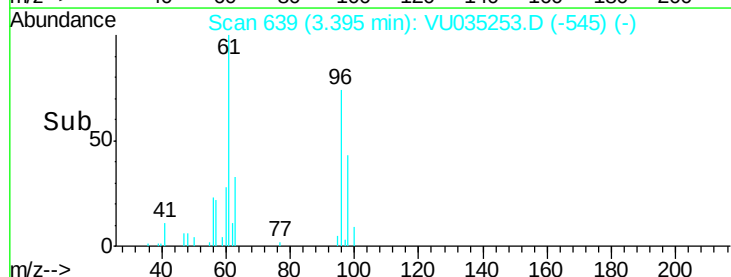
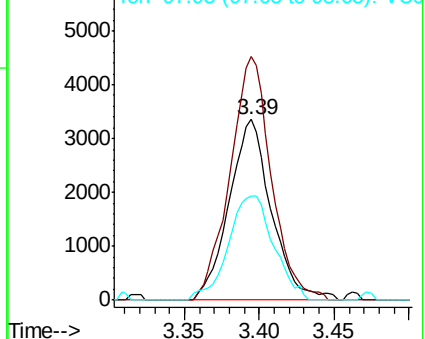
98 57.7 43.7 81.1

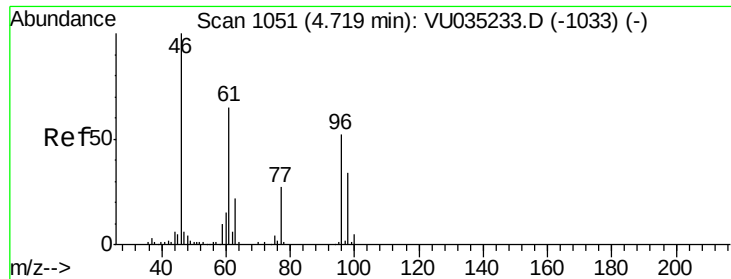


Abundance Ion 96.00 (95.70 to 96.70): VU035253.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035253.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035253.D (-545) (-)

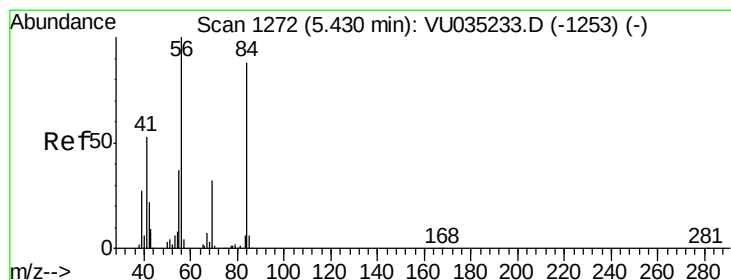
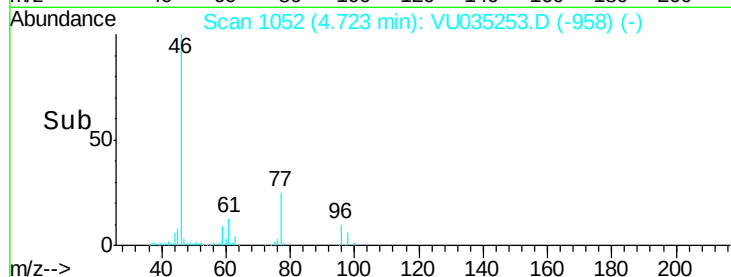
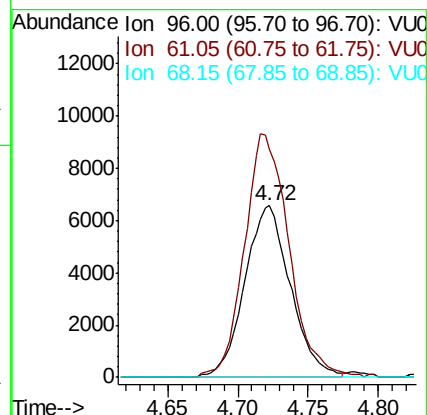
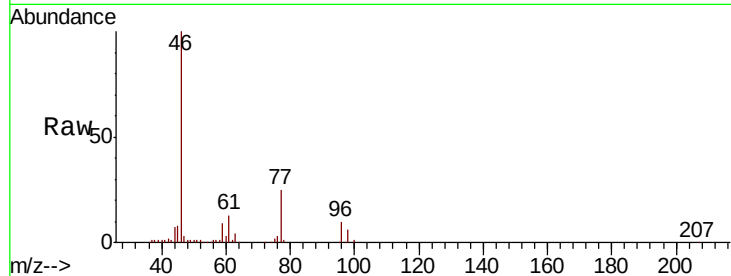




#22
 cis-1,2-Dichloroethene
 Concen: 0.543 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VU035253.D
 Acq: 18 Oct 2019 08:47

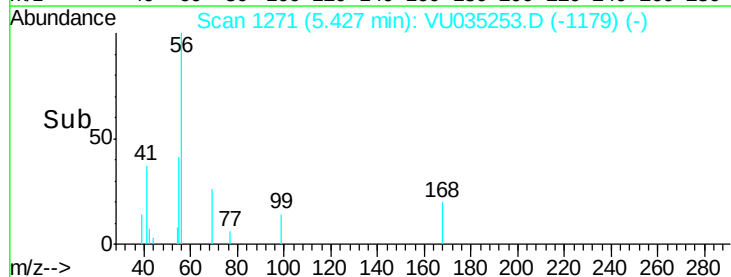
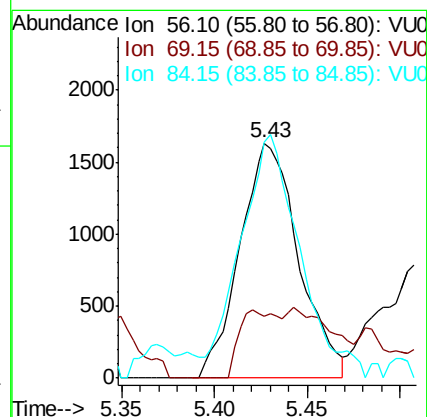
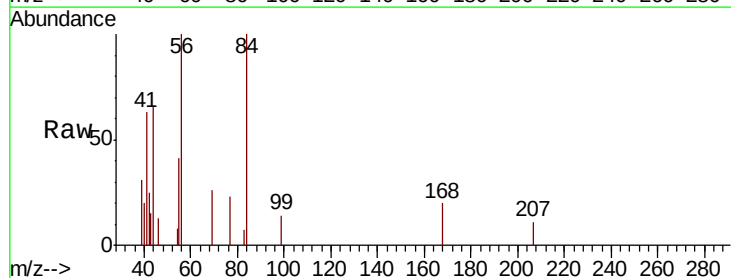
Instrument :
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 H0G23MS

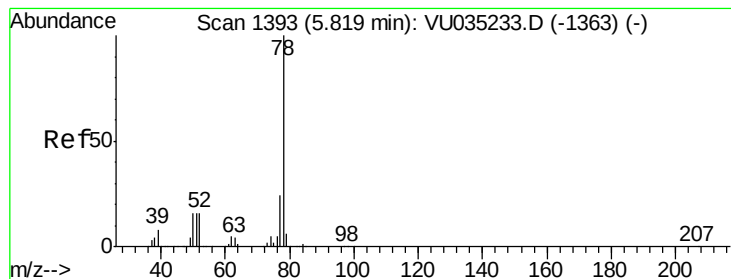
Tot Ion: 96 Resp: 14890
 Ion Ratio Lower Upper
 96 100
 61 133.3 89.7 166.5
 68 0.0 0.0 0.0



#30
 Cyclohexane
 Concen: 0.083 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU035253.D
 Acq: 18 Oct 2019 08:47

Tgt Ion: 56 Resp: 3599
 Ion Ratio Lower Upper
 56 100
 69 19.6 24.6 36.8#
 84 105.3 71.5 107.3





#33

Benzene

Concen: 3.755 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

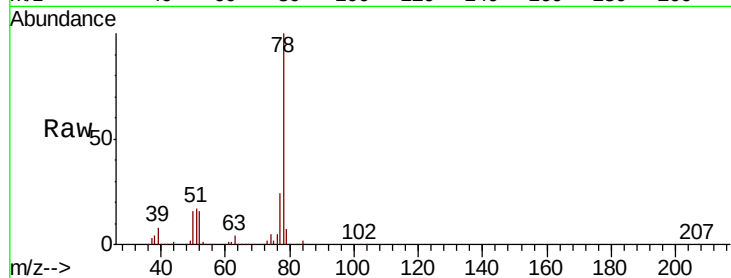
Instrument :

MSVOA_U

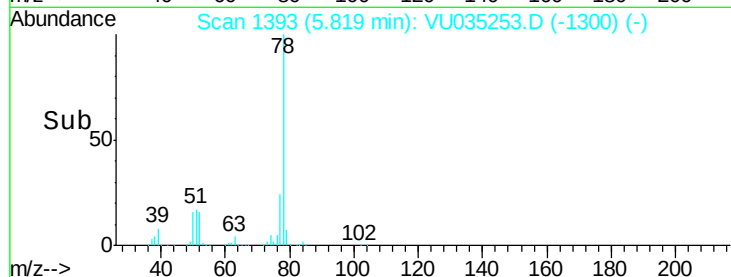
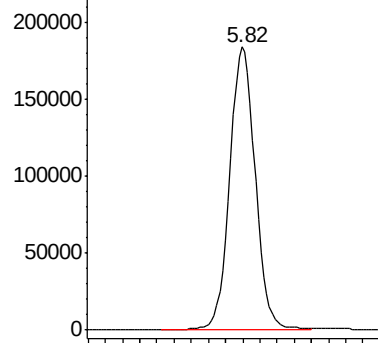
ClientSampleId :

H0G23MS

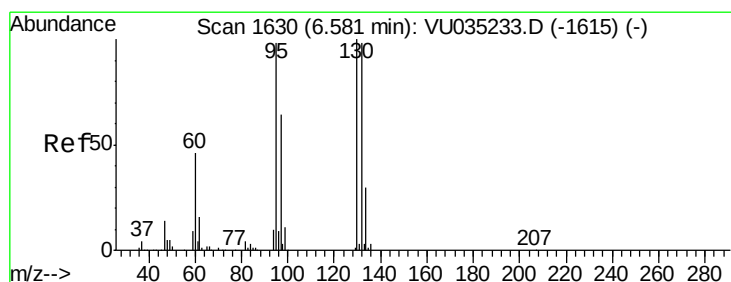
Tgt Ion: 78 Resp: 384072



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#34

Trichloroethene

Concen: 3.592 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

Tgt Ion: 95 Resp: 98784

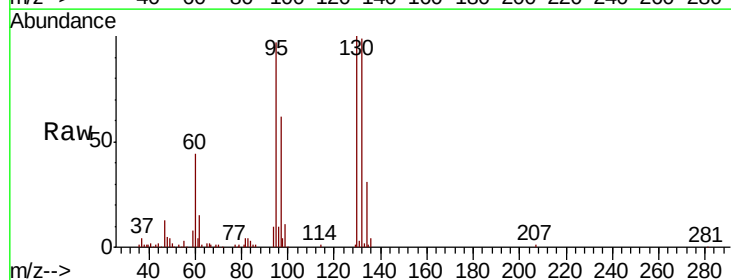
Ion	Ratio	Lower	Upper
95	100		
97	63.8	46.6	86.6
132	101.4	68.7	127.7
130	102.9	73.9	137.3

95 100

97 63.8 46.6 86.6

132 101.4 68.7 127.7

130 102.9 73.9 137.3

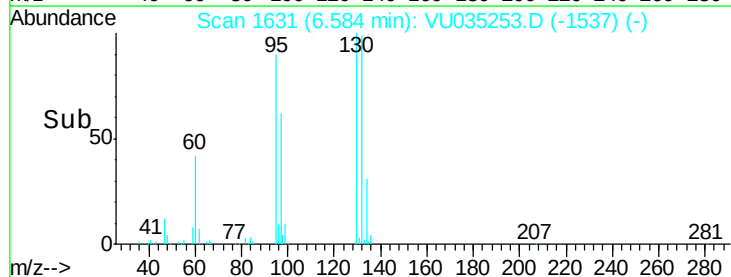
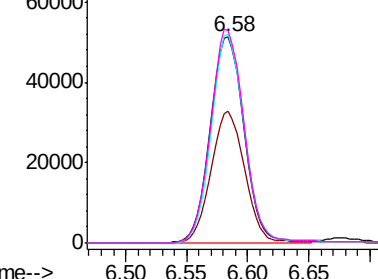


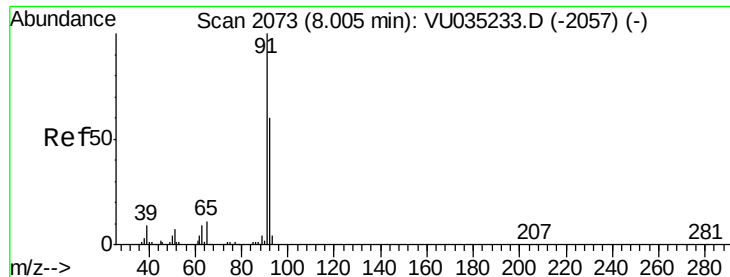
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#42

Toluene

Concen: 3.714 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

Instrument :

MSVOA_U

ClientSampleId :

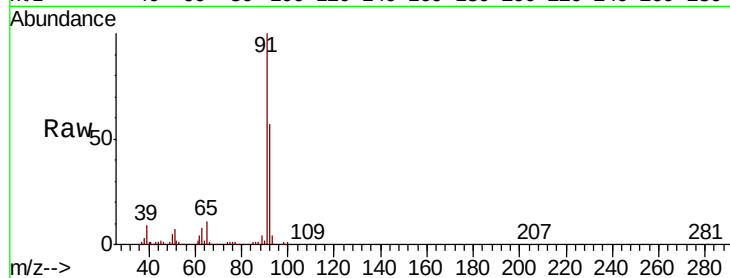
H0G23MS

Tot Ion: 91 Resp: 419444

Ion Ratio Lower Upper

91 100

92 57.2 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035233.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035233.D (-2057) (-)

8.01

250000

200000

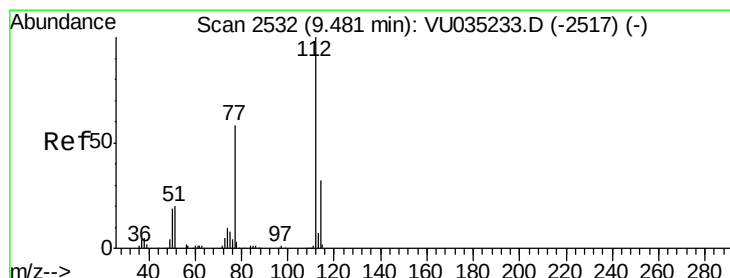
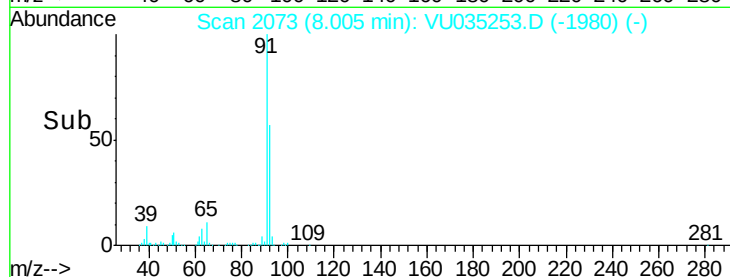
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#51

Chlorobenzene

Concen: 3.898 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

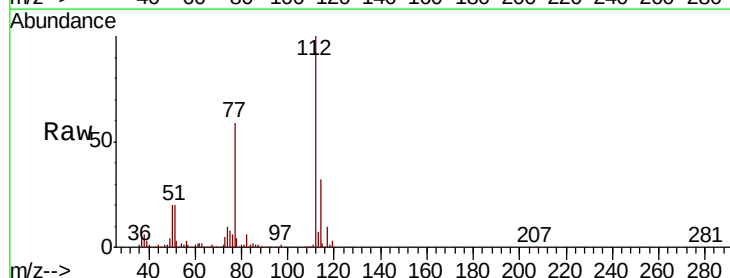
Tgt Ion: 112 Resp: 284180

Ion Ratio Lower Upper

112 100

114 32.1 23.0 42.8

77 59.3 47.5 71.3



Abundance Ion 112.10 (111.80 to 112.80): VU035233.D (-2517) (-)

Ion 114.05 (113.75 to 114.75): VU035233.D (-2517) (-)

Ion 77.10 (76.80 to 77.80): VU035233.D (-2517) (-)

9.48

200000

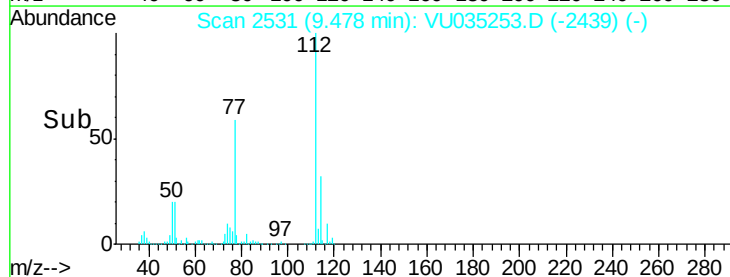
150000

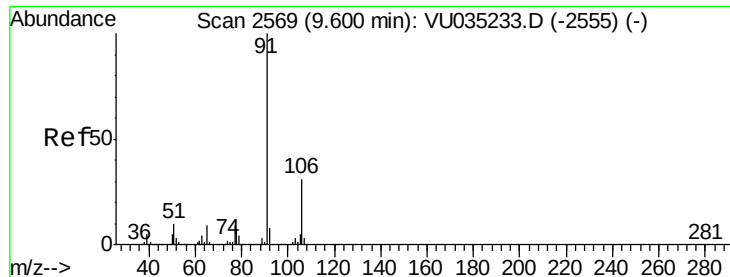
100000

50000

0

Time--> 9.40 9.45 9.50 9.55





#52
 Ethylbenzene
 Concen: 0.113 ug/L
 RT: 9.60 min Scan# 2569
 Delta R.T. 0.00 min
 Lab File: VU035253.D
 Acq: 18 Oct 2019 08:47

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G23MS

Tot Ion: 91 Resp: 14565
 Ion Ratio Lower Upper
 91 100
 106 32.6 21.3 39.6

