

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035450.D
 Acq On : 24 Oct 2019 10:24
 Operator : JC/SP
 Sample : K5488-07MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G39MSD

Quant Time: Oct 24 14:39:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 24 14:19:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	213816	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	211551	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	63131	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	51730	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.93	69	53462	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.60	63	105161	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.20%
20) 2-Butanone-d5	4.70	46	224363	59.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.76%
24) Chloroform-d	5.11	84	103689	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.75	65	67327	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.77	84	202010	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.74	67	77320	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.93	98	157516	3.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.00%#
43) trans-1,3-Dichloropropene-	8.21	79	27780	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	8.68	63	143906	43.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.54%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	69388	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	49720	4.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.40%

Target Compounds

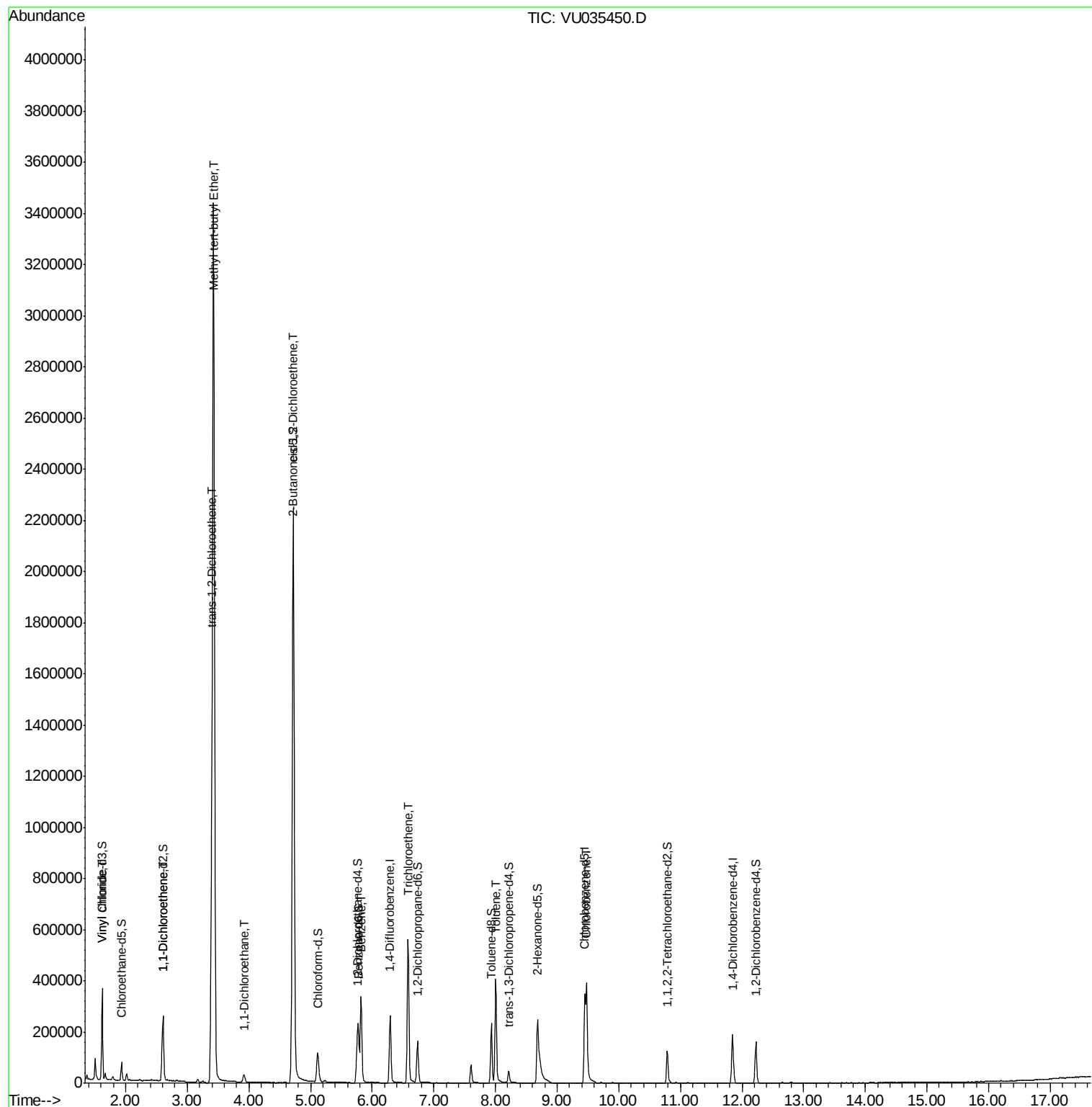
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	129909	7.007	ug/L	98
12) 1,1-Dichloroethene	2.61	96	60043	4.371	ug/L	88
17) Methyl tert-butyl Ether	3.43	73	3754969	101.566	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	266499	17.977	ug/L	94
19) 1,1-Dichloroethane	3.92	63	32671	1.219	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	1115529	68.081	ug/L	96
33) Benzene	5.82	78	315136	5.063	ug/L	100
34) Trichloroethene	6.58	95	195374	11.675	ug/L	95
42) Toluene	8.01	91	299278	4.356	ug/L	100
51) Chlorobenzene	9.48	112	209171	4.715	ug/L	99

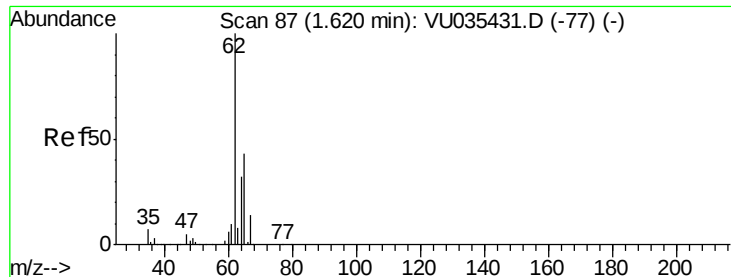
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 24 14:19:48 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.007 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

Instrument :

MSVOA_U

ClientSampleId :

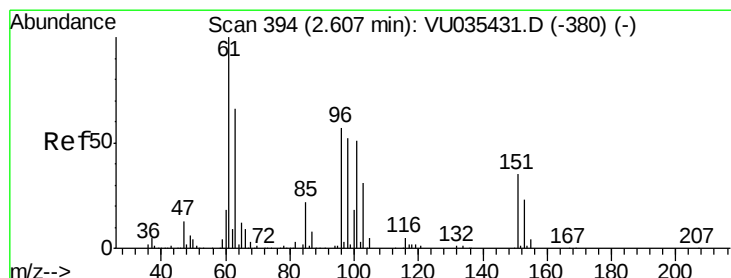
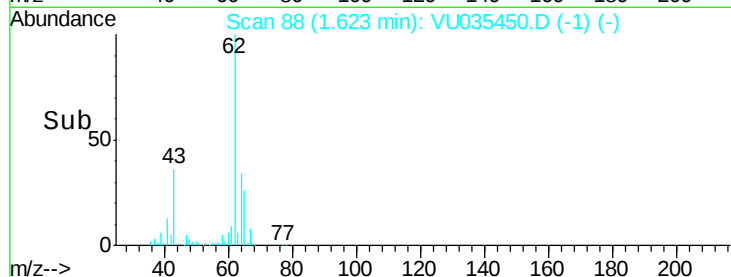
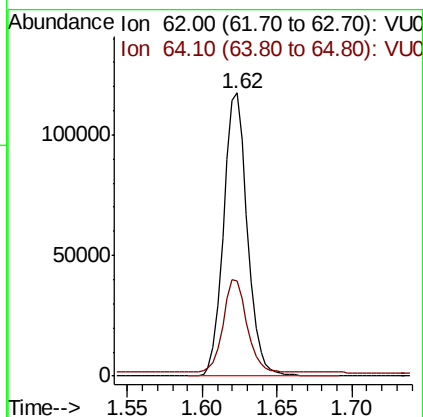
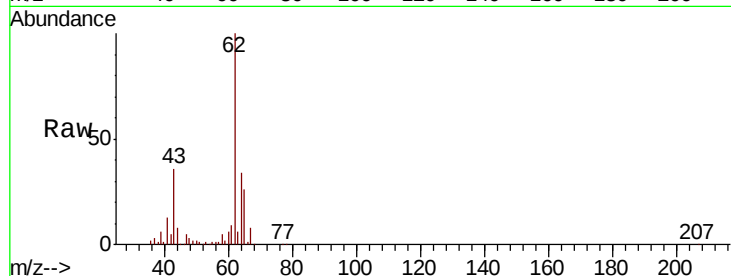
H0G39MSD

Tot Ion: 62 Resp: 129909

Ion Ratio Lower Upper

62 100

64 33.8 22.9 42.5



#12

1,1-Dichloroethene

Concen: 4.371 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

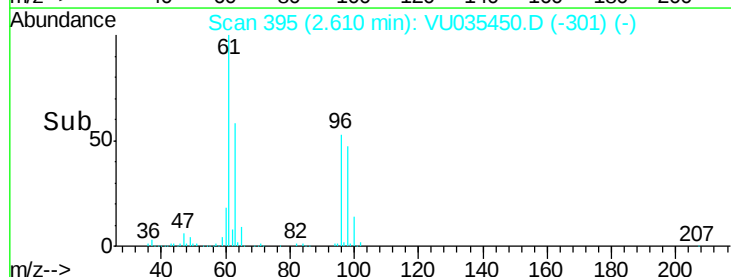
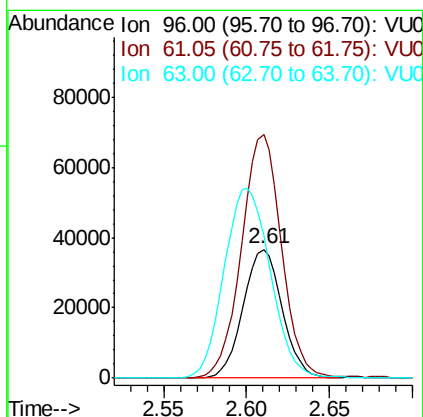
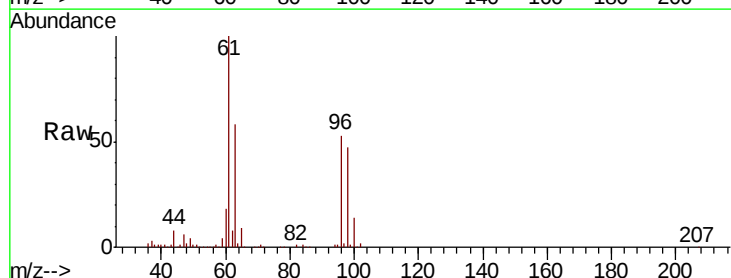
Tgt Ion: 96 Resp: 60043

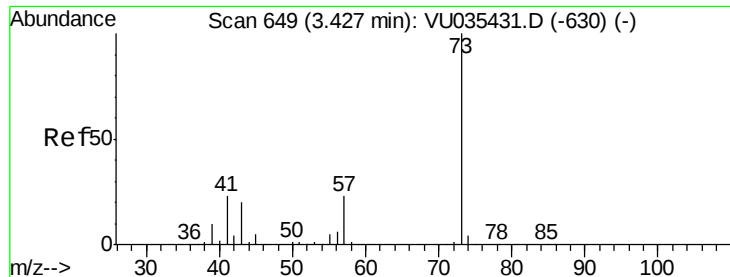
Ion Ratio Lower Upper

96 100

61 189.2 120.6 224.0

63 110.6 86.8 161.2



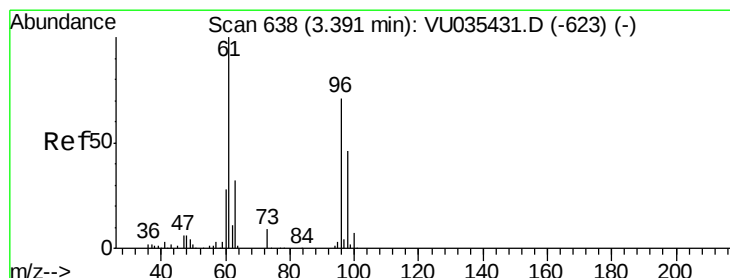
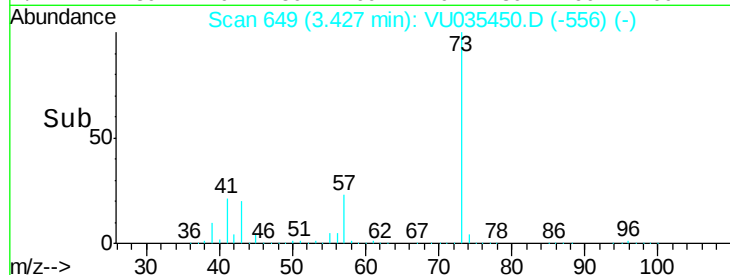
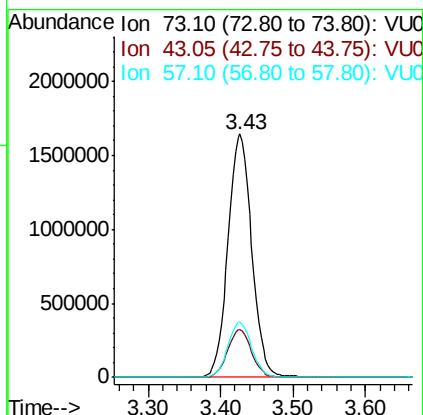
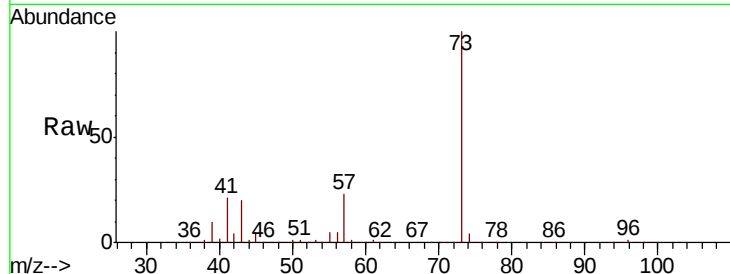


#17
Methvl tert-butvl Ether
Concen: 101.566 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035450.D
Acq: 24 Oct 2019 10:24

Instrument :
MSVOA_U
ClientSampleId :
H0G39MSD

Tot Ion: 73 Resp: 3754969

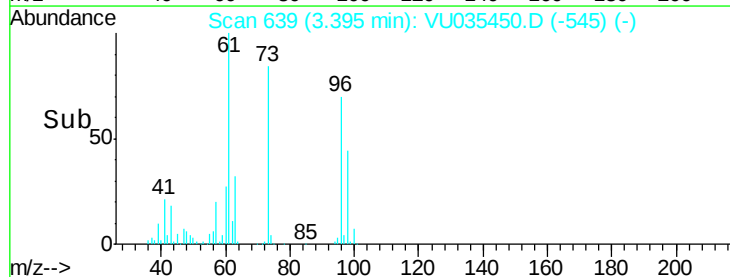
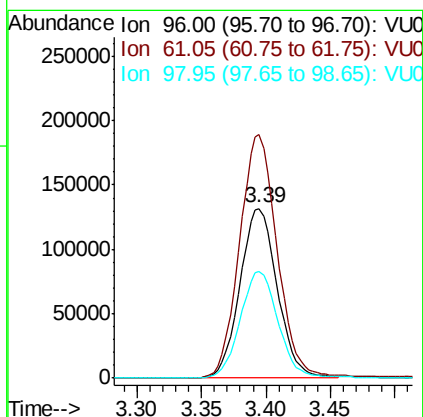
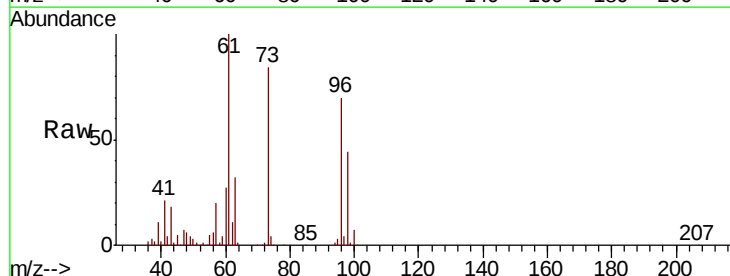
Ion	Ratio	Lower	Upper
73	100		
43	19.8	16.0	24.0
57	22.8	17.4	26.2

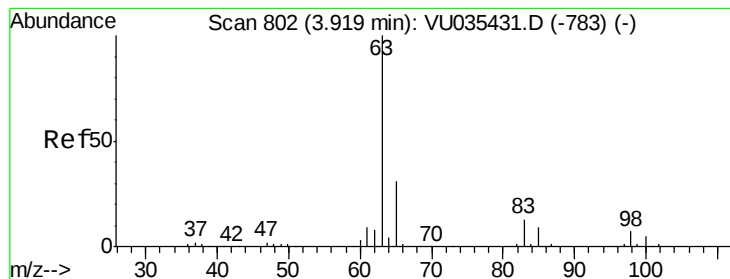


#18
trans-1,2-Dichloroethene
Concen: 17.977 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035450.D
Acq: 24 Oct 2019 10:24

Tgt Ion: 96 Resp: 266499

Ion	Ratio	Lower	Upper
96	100		
61	143.3	93.0	172.6
98	63.0	43.7	81.1





#19

1,1-Dichloroethane

Concen: 1.219 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

Instrument :

MSVOA_U

ClientSampleId :

H0G39MSD

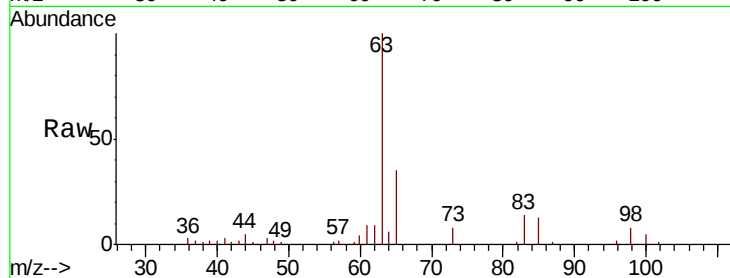
Tot Ion: 63 Resp: 32671

Ion Ratio Lower Upper

63 100

65 34.8 22.4 41.6

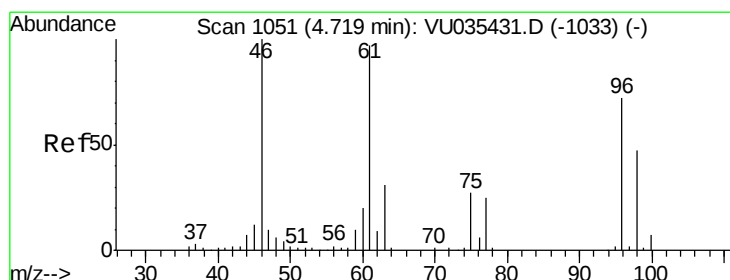
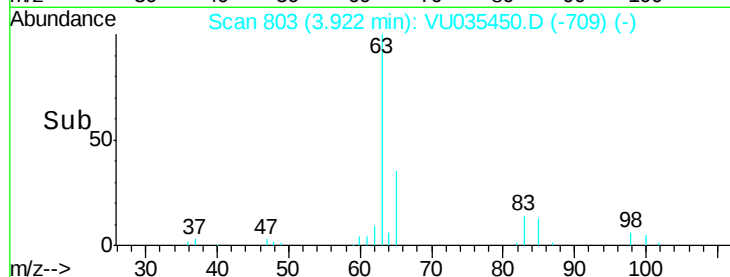
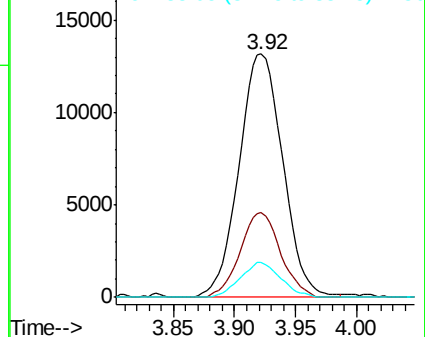
83 14.3 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035431.D (-783) (-)

Ion 65.10 (64.80 to 65.80): VU035431.D (-783) (-)

Ion 83.05 (82.75 to 83.75): VU035431.D (-783) (-)



#22

cis-1,2-Dichloroethene

Concen: 68.081 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

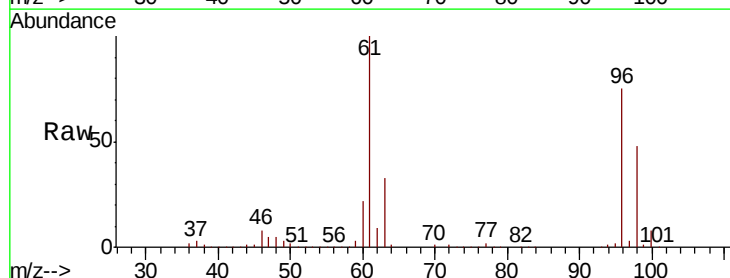
Tgt Ion: 96 Resp: 1115529

Ion Ratio Lower Upper

96 100

61 132.7 89.7 166.5

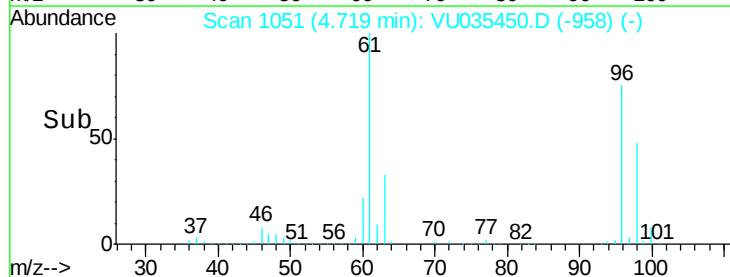
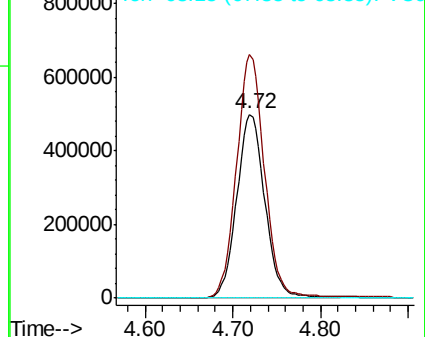
68 0.0 0.0 0.0

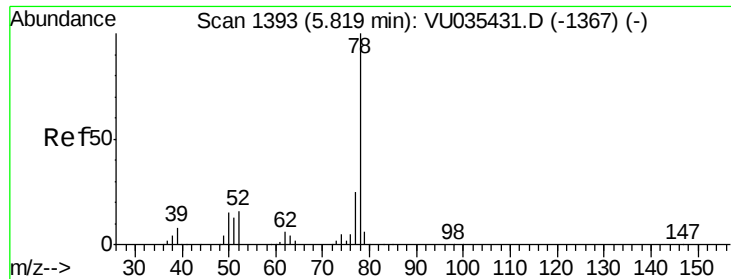


Abundance Ion 96.00 (95.70 to 96.70): VU035431.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU035431.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU035431.D (-1033) (-)

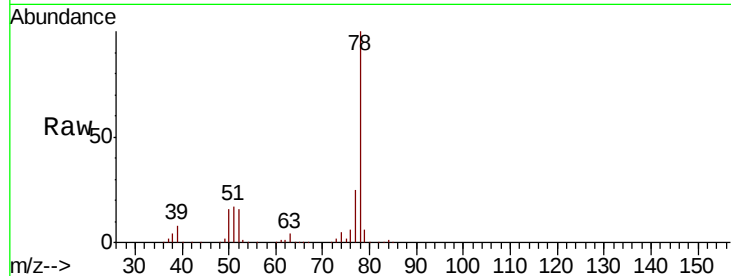




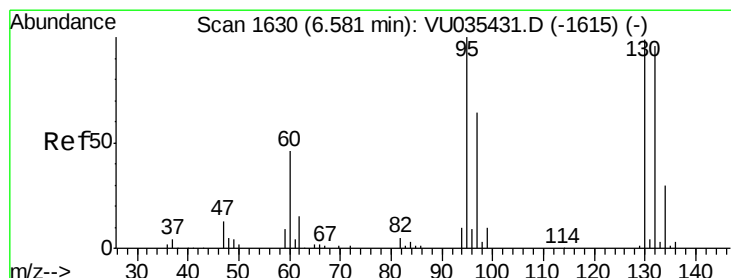
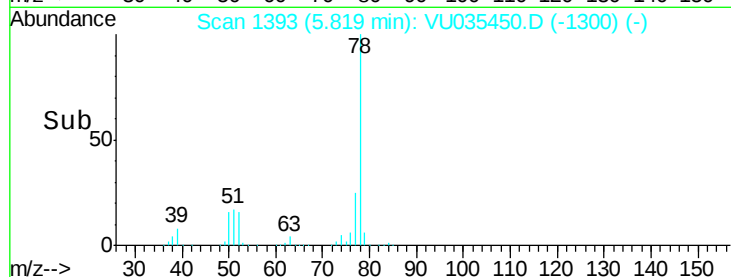
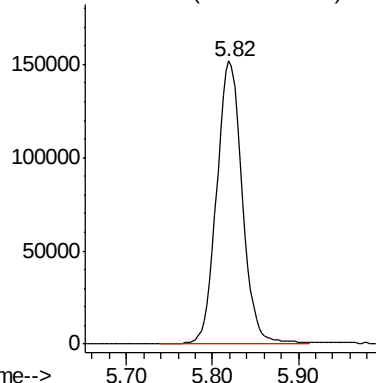
#33
Benzene
Concen: 5.063 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035450.D
Acq: 24 Oct 2019 10:24

Tgt Ion: 78 Resp: 315136

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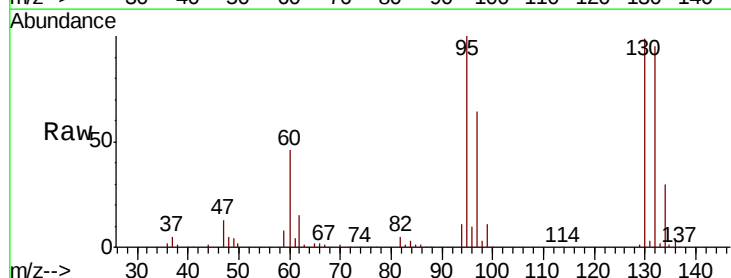
Abundance Ion 78.10 (77.80 to 78.80): VU0



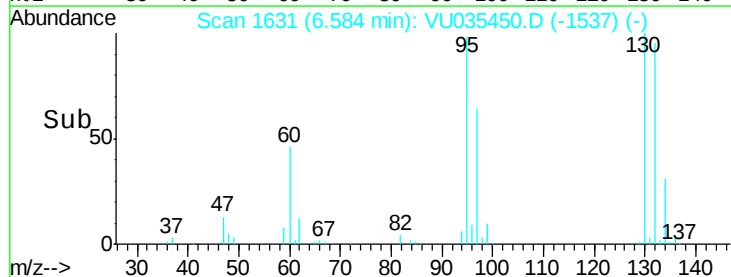
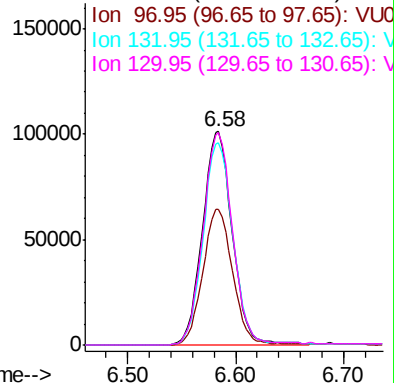
#34
Trichloroethene
Concen: 11.675 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035450.D
Acq: 24 Oct 2019 10:24

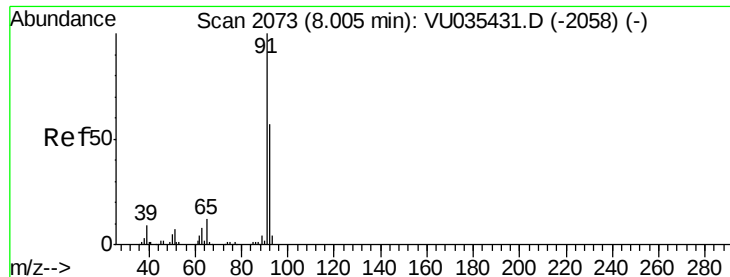
Tgt Ion: 95 Resp: 195374

Ion	Ratio	Lower	Upper
95	100		
97	63.7	46.6	86.6
132	94.7	68.7	127.7
130	99.4	73.9	137.3



Abundance Ion 95.00 (94.70 to 95.70): VU0





#42

Toluene

Concen: 4.356 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

Instrument :

MSVOA_U

ClientSampleId :

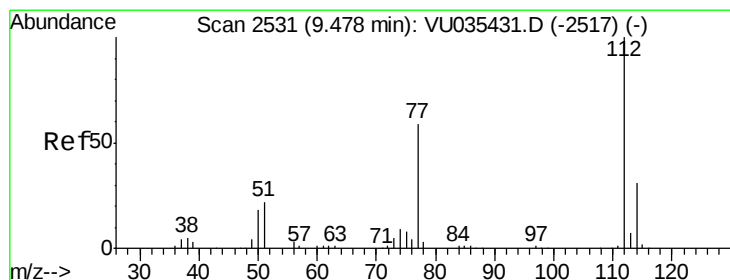
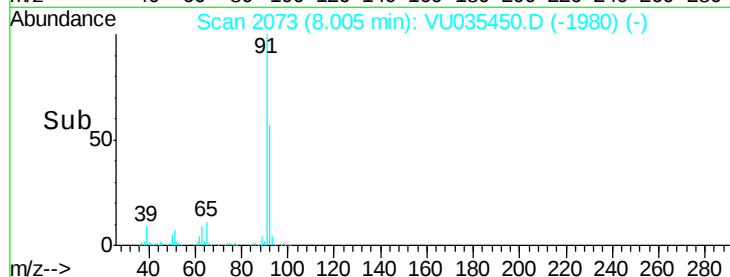
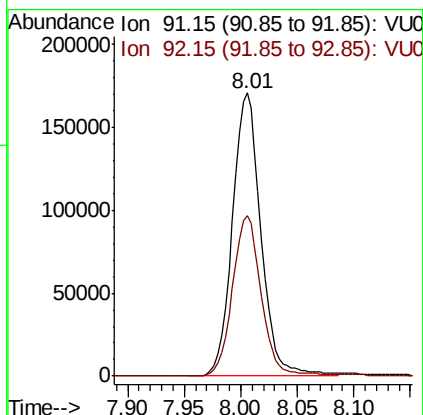
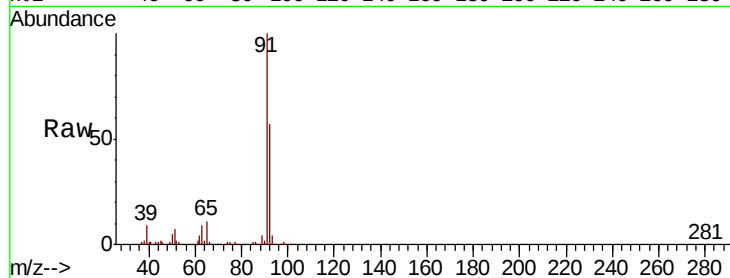
H0G39MSD

Tot Ion: 91 Resp: 299278

Ion Ratio Lower Upper

91 100

92 56.8 39.9 74.1



#51

Chlorobenzene

Concen: 4.715 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

Tgt Ion: 112 Resp: 209171

Ion Ratio Lower Upper

112 100

114 32.0 23.0 42.8

77 60.1 47.5 71.3

