

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035449.D
 Acq On : 24 Oct 2019 10:01
 Operator : JC/SP
 Sample : K5488-06MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G39MS

Quant Time: Oct 24 14:36:20 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	203536	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	210523	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	64006	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	55392	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.93	69	55981	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.60	63	108081	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	4.70	46	238018	66.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	133.48%#
24) Chloroform-d	5.11	84	115690	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.75	65	69316	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.77	84	214226	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.74	67	81398	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.93	98	168116	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.00%
43) trans-1,3-Dichloropropene-	8.21	79	28984	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.68	63	152846	46.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.44%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	74201	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	54924	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

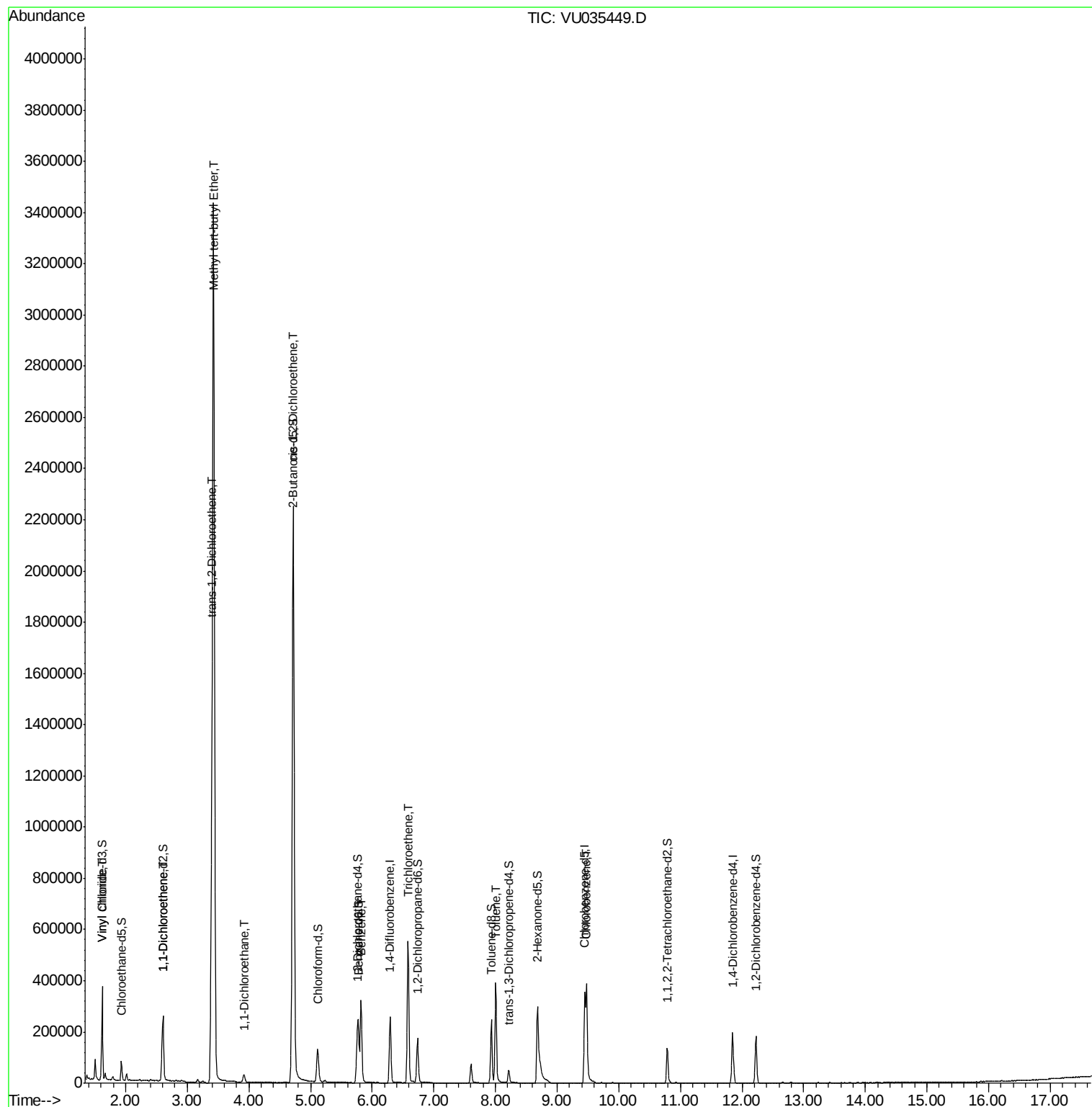
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	130742	7.409	ug/L	97
12) 1,1-Dichloroethene	2.61	96	59512	4.551	ug/L	85
17) Methyl tert-butyl Ether	3.43	73	3744951	106.411	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	265610	18.822	ug/L	91
19) 1,1-Dichloroethane	3.92	63	33739	1.322	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	1105233	70.860	ug/L	96
33) Benzene	5.82	78	304079	4.909	ug/L	100
34) Trichloroethene	6.58	95	190074	11.414	ug/L	97
42) Toluene	8.01	91	286991	4.197	ug/L	99
51) Chlorobenzene	9.48	112	203692	4.614	ug/L	98

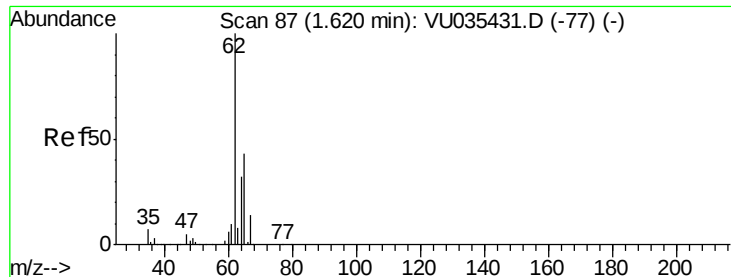
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 14:19:48 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.409 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035449.D

Acq: 24 Oct 2019 10:01

Instrument :

MSVOA_U

ClientSampled :

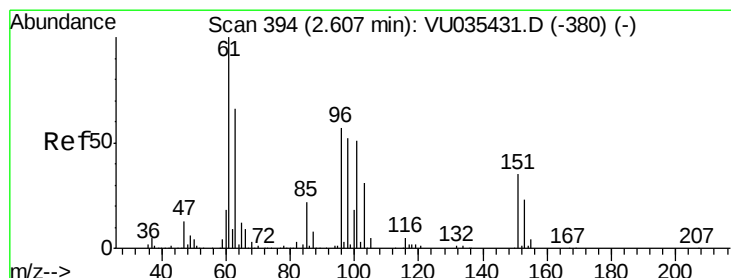
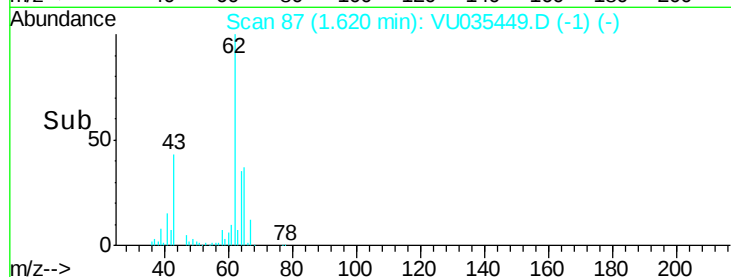
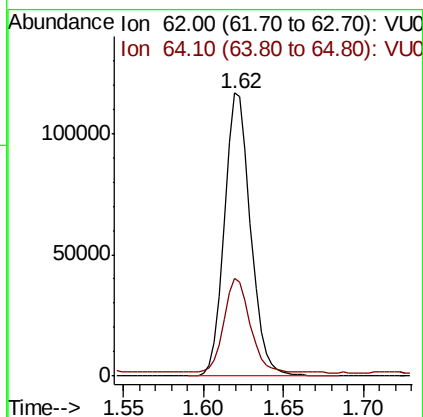
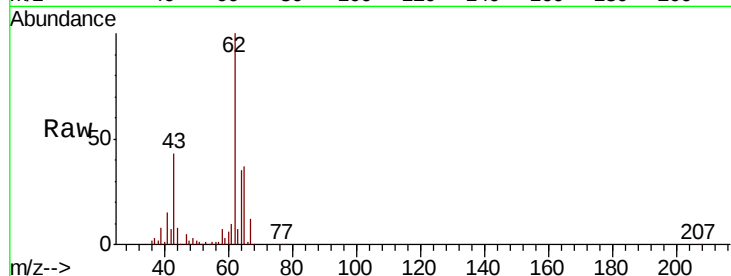
H0G39MS

Tot Ion: 62 Resp: 130742

Ion Ratio Lower Upper

62 100

64 34.6 22.9 42.5



#12

1,1-Dichloroethene

Concen: 4.551 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035449.D

Acq: 24 Oct 2019 10:01

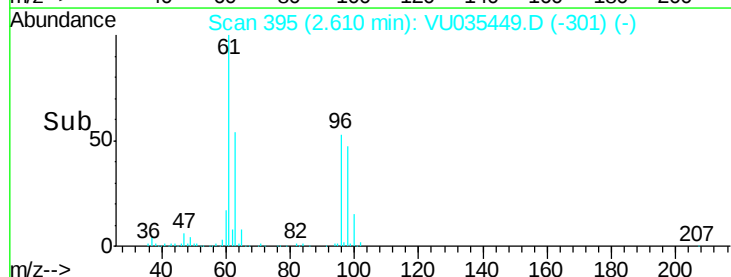
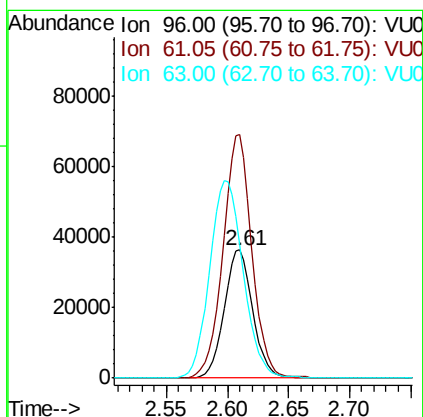
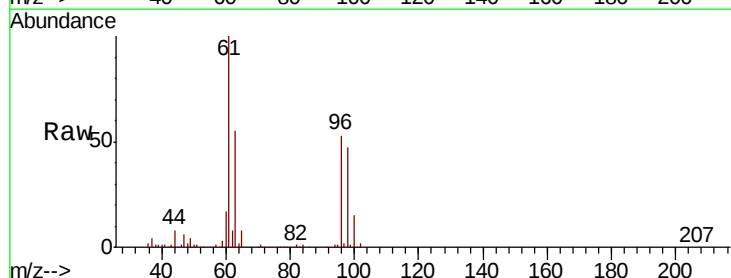
Tgt Ion: 96 Resp: 59512

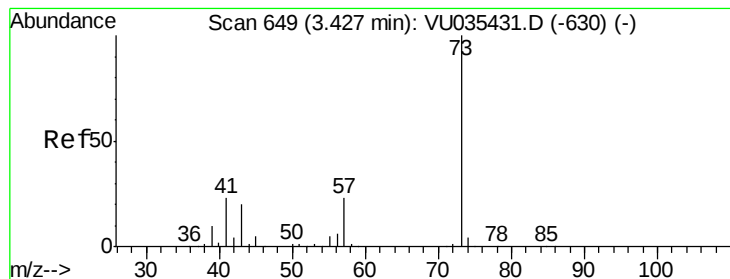
Ion Ratio Lower Upper

96 100

61 190.2 120.6 224.0

63 103.9 86.8 161.2





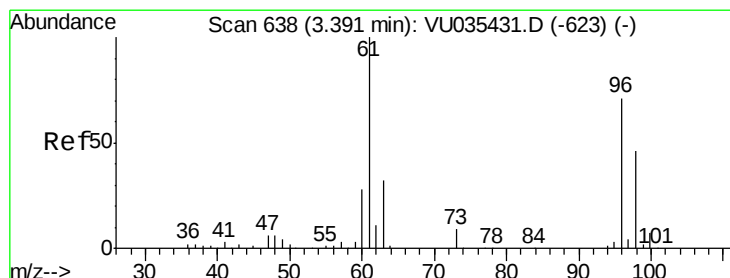
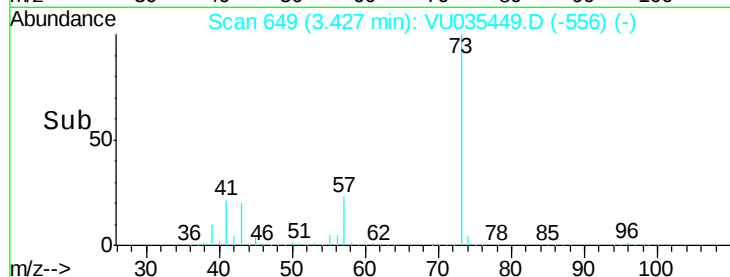
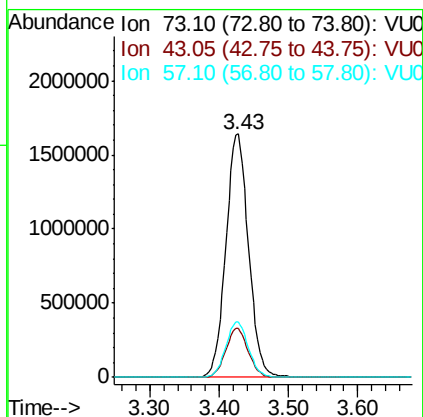
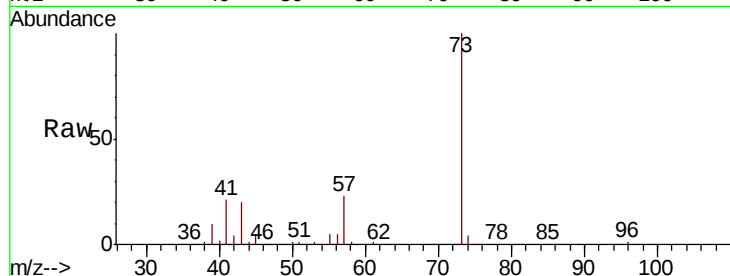
#17

Methvl tert-butvl Ether
 Concen: 106.411 ug/L
 RT: 3.43 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: VU035449.D
 Acq: 24 Oct 2019 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G39MS

Tot Ion: 73 Resp: 3744951

Ion	Ratio	Lower	Upper
73	100		
43	20.0	16.0	24.0
57	22.7	17.4	26.2

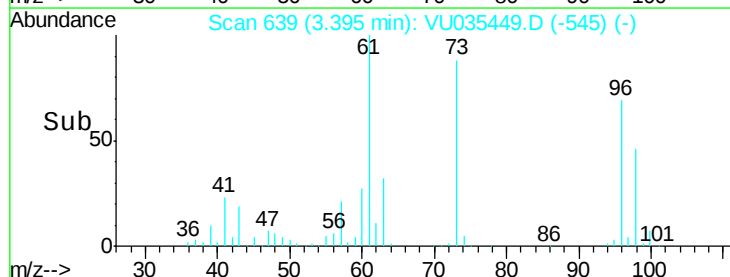
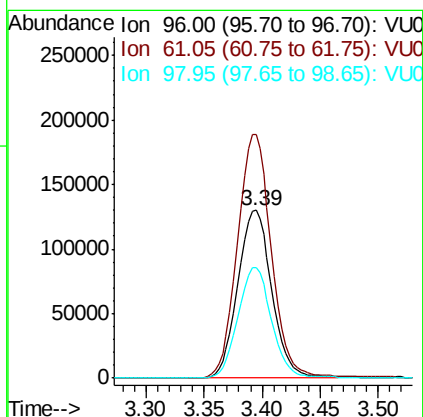
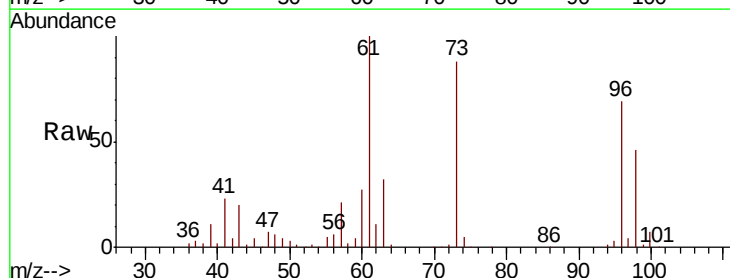


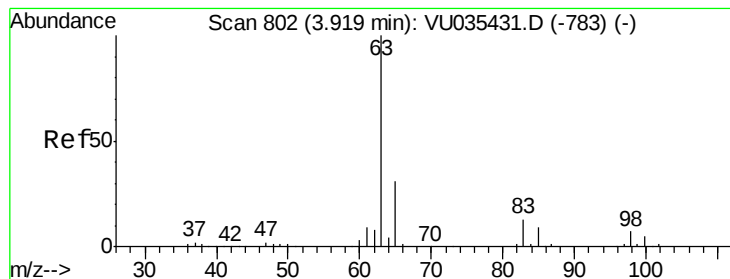
#18

trans-1,2-Dichloroethene
 Concen: 18.822 ug/L
 RT: 3.39 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VU035449.D
 Acq: 24 Oct 2019 10:01

Tgt Ion: 96 Resp: 265610

Ion	Ratio	Lower	Upper
96	100		
61	145.2	93.0	172.6
98	66.1	43.7	81.1





#19

1,1-Dichloroethane

Concen: 1.322 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035449.D

Acq: 24 Oct 2019 10:01

Instrument :

MSVOA_U

ClientSampleId :

H0G39MS

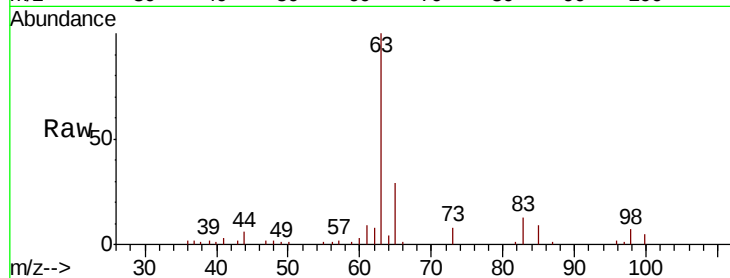
Tot Ion: 63 Resp: 33739

Ion Ratio Lower Upper

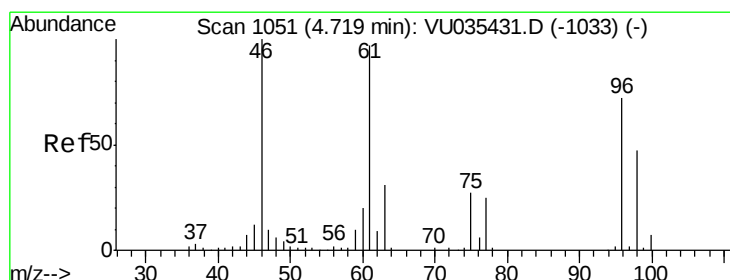
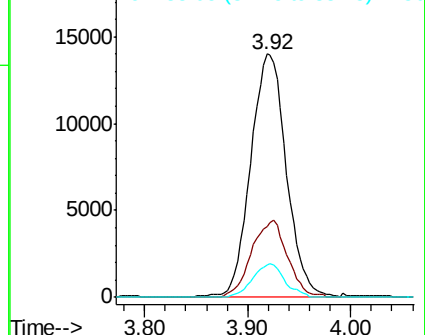
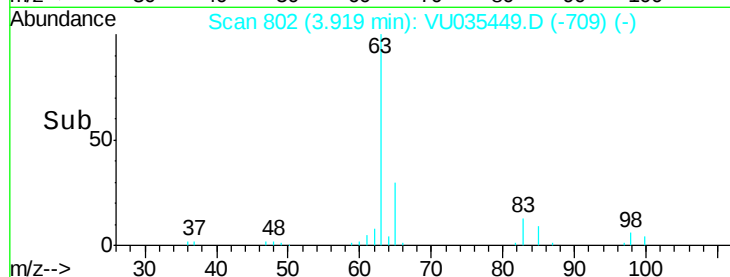
63 100

65 29.3 22.4 41.6

83 13.1 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035449.D (-709) (-)



#22

cis-1,2-Dichloroethene

Concen: 70.860 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035449.D

Acq: 24 Oct 2019 10:01

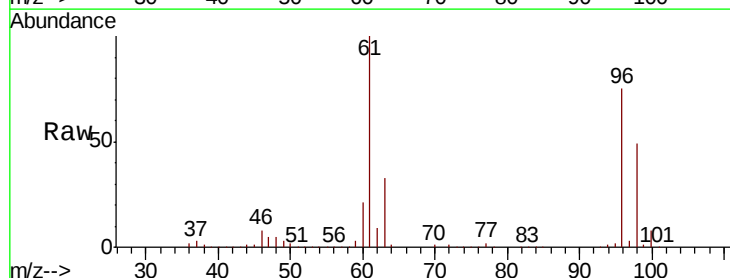
Tgt Ion: 96 Resp: 1105233

Ion Ratio Lower Upper

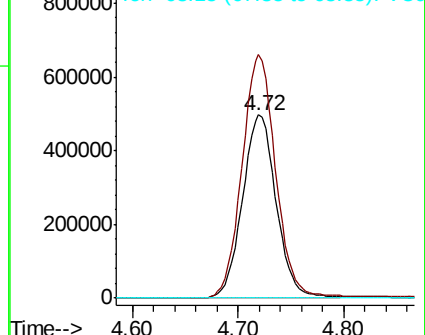
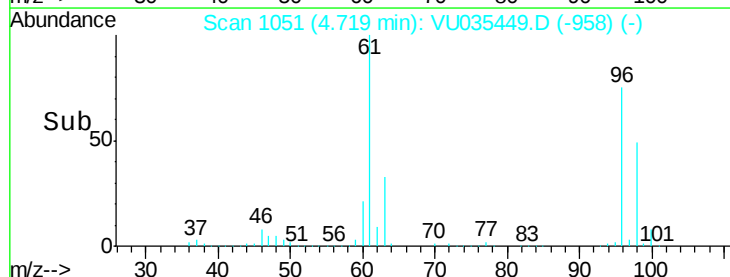
96 100

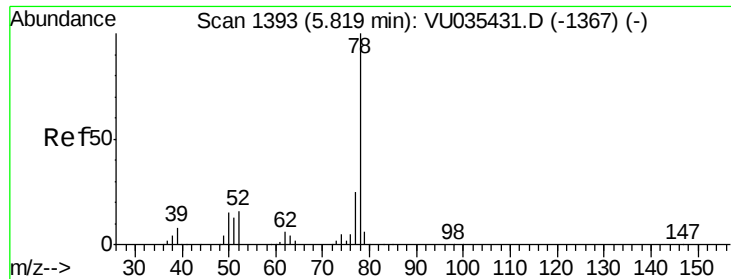
61 132.8 89.7 166.5

68 0.0 0.0 0.0



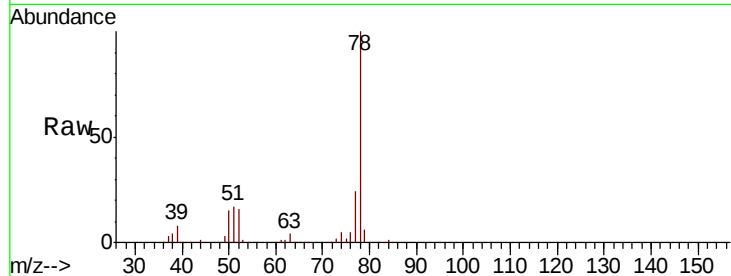
Abundance Ion 96.00 (95.70 to 96.70): VU035449.D (-958) (-)



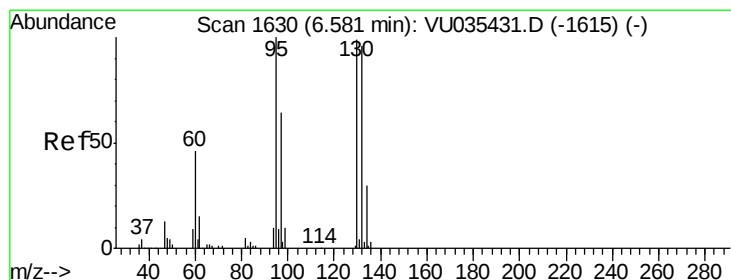
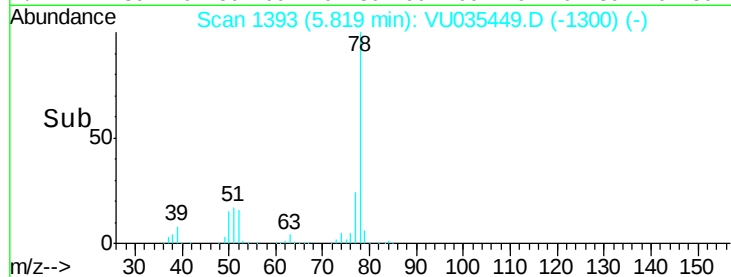
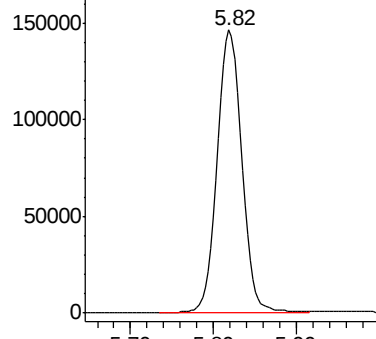


#33
Benzene
Concen: 4.909 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035449.D
Acq: 24 Oct 2019 10:01
Tgt Ion: 78 Resp: 304079

Instrument :
MSVOA_U
ClientSampleId :
H0G39MS



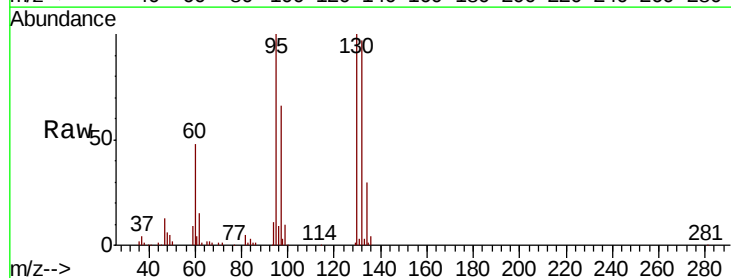
Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 11.414 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU035449.D
Acq: 24 Oct 2019 10:01

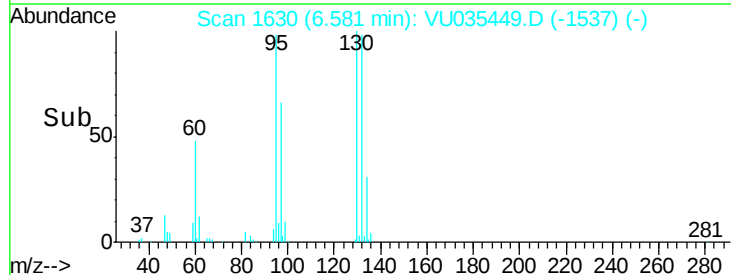
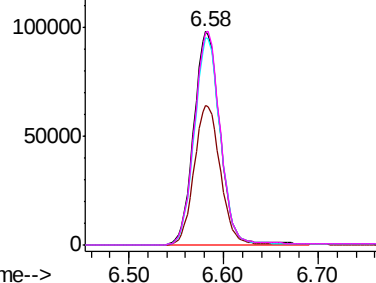
Tgt Ion: 95 Resp: 190074

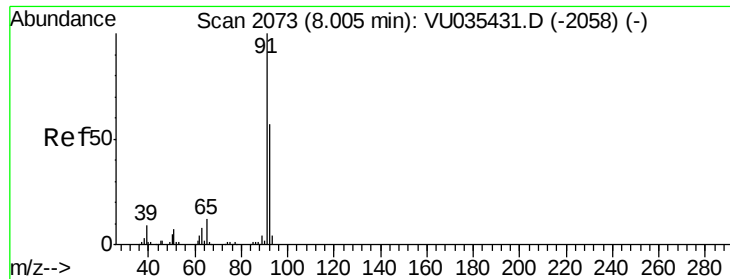
Ion	Ratio	Lower	Upper
95	100		
97	65.6	46.6	86.6
132	97.1	68.7	127.7
130	99.6	73.9	137.3



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: 4.197 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035449.D

Acq: 24 Oct 2019 10:01

Instrument :

MSVOA_U

ClientSampleId :

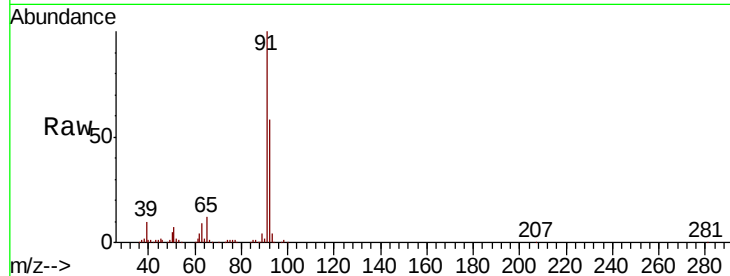
H0G39MS

Tot Ion: 91 Resp: 286991

Ion Ratio Lower Upper

91 100

92 57.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035431.D (-2058) (-)

Ion 92.15 (91.85 to 92.85): VU035431.D (-2058) (-)

8.01

150000

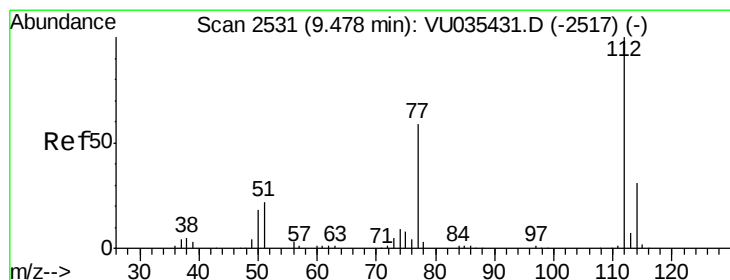
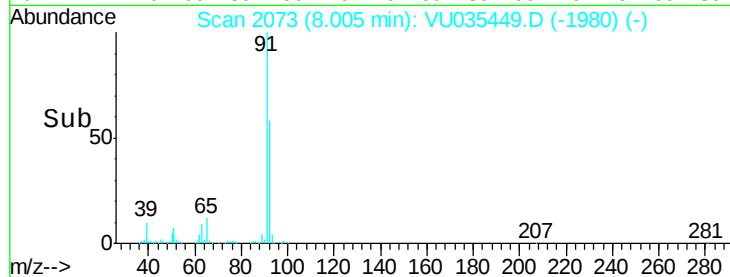
100000

50000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#51

Chlorobenzene

Concen: 4.614 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU035449.D

Acq: 24 Oct 2019 10:01

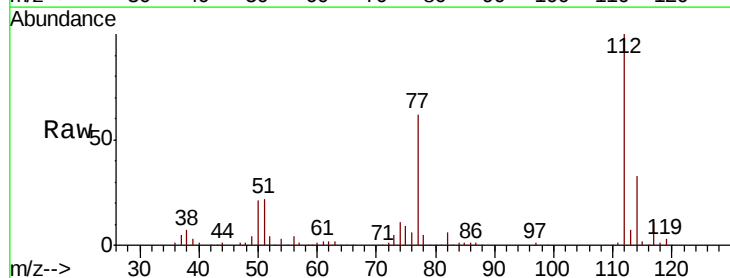
Tgt Ion: 112 Resp: 203692

Ion Ratio Lower Upper

112 100

114 32.6 23.0 42.8

77 61.9 47.5 71.3



Abundance Ion 112.10 (111.80 to 112.80): VU035431.D (-2517) (-)

Ion 114.05 (113.75 to 114.75): VU035431.D (-2517) (-)

Ion 77.10 (76.80 to 77.80): VU035431.D (-2517) (-)

9.48

150000

100000

50000

0

Time-->

9.40 9.50 9.60

