

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102319\
 Data File : VU035448.D
 Acq On : 24 Oct 2019 09:36
 Operator : JC/SP
 Sample : K5488-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G39

Quant Time: Oct 24 14:32:10 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	195119	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	202925	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	61340	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	51457	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.93	69	53302	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.60	63	71999	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.70	46	225309	65.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.80%#
24) Chloroform-d	5.12	84	113996	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.75	65	65544	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
32) Benzene-d6	5.77	84	202481	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.74	67	76362	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.93	98	154543	3.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.60%#
43) trans-1,3-Dichloropropene-	8.22	79	25588	3.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.60%
46) 2-Hexanone-d5	8.69	63	128298	40.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.36%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	71118	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	51515	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

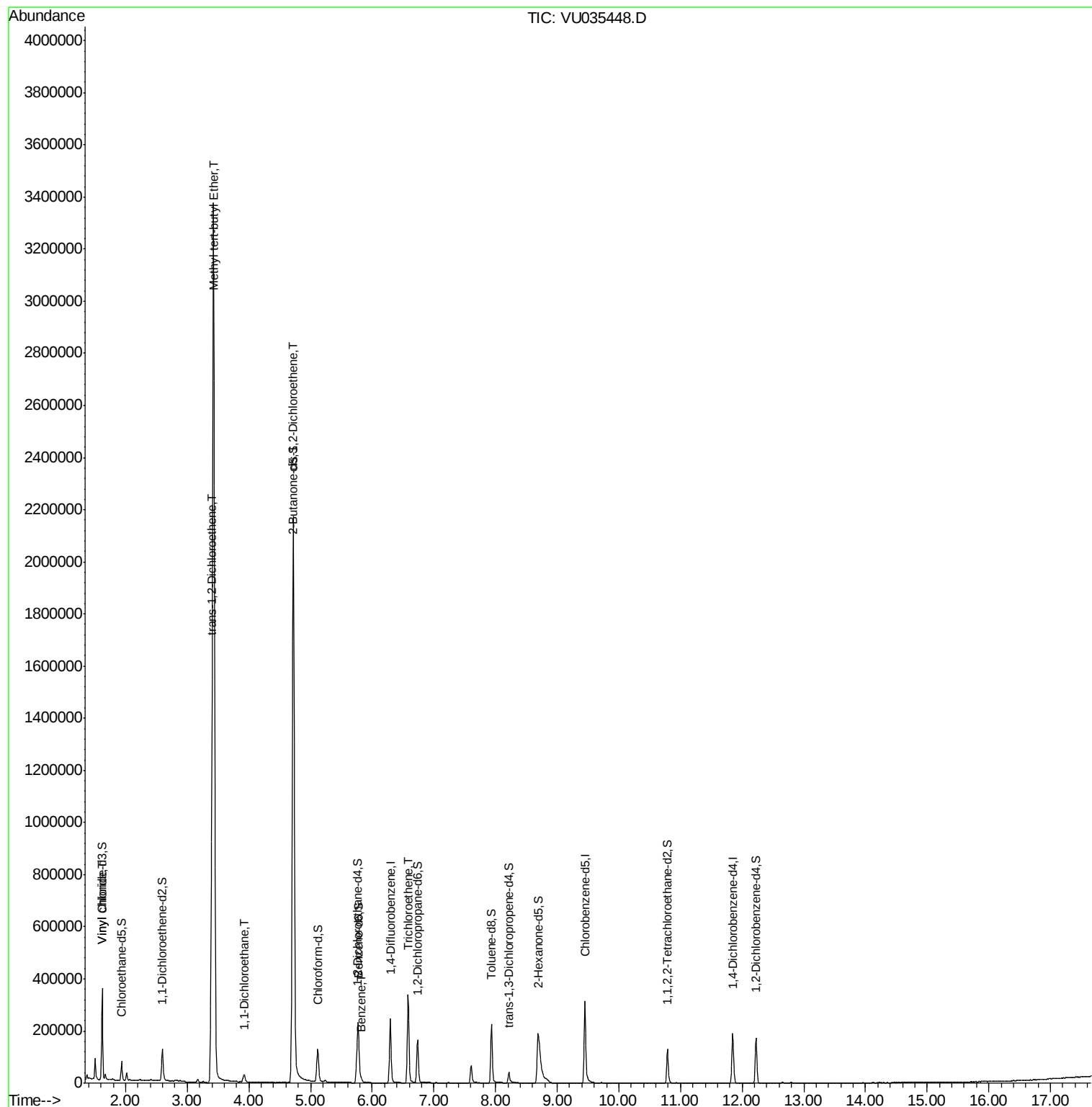
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	127326	7.526	ug/L	97
17) Methyl tert-butyl Ether	3.43	73	3694879	109.517	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	264157	19.527	ug/L	93
19) 1,1-Dichloroethane	3.92	63	32655	1.335	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	1099135	73.509	ug/L	97
33) Benzene	5.82	78	15642	0.262	ug/L	100
34) Trichloroethene	6.58	95	116830	7.278	ug/L	96

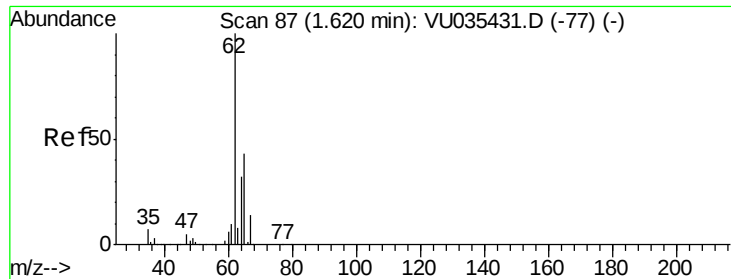
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 7.526 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

Instrument :

MSVOA_U

ClientSampleId :

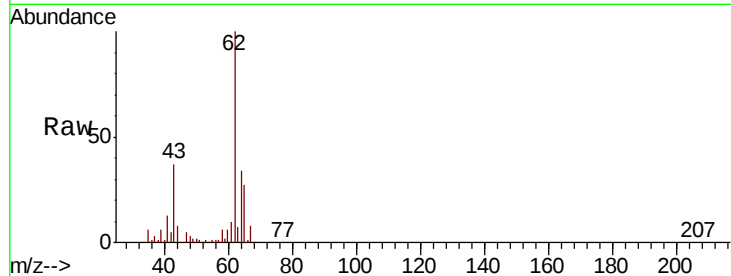
H0G39

Tot Ion: 62 Resp: 127326

Ion Ratio Lower Upper

62 100

64 34.4 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

120000

100000

80000

60000

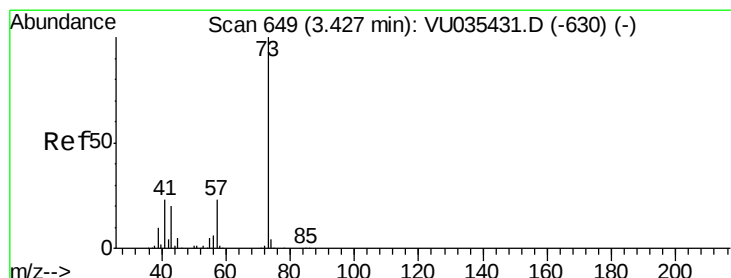
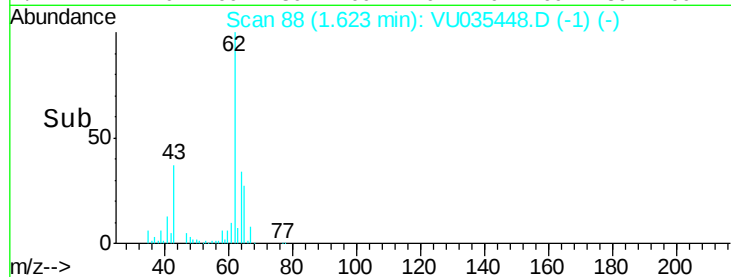
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#17

Methyl tert-butyl Ether

Concen: 109.517 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

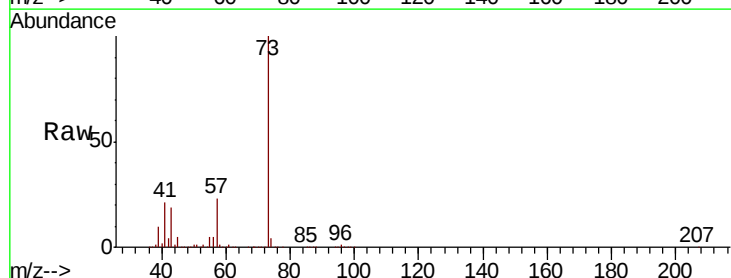
Tgt Ion: 73 Resp: 3694879

Ion Ratio Lower Upper

73 100

43 19.7 16.0 24.0

57 22.8 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

2000000

1500000

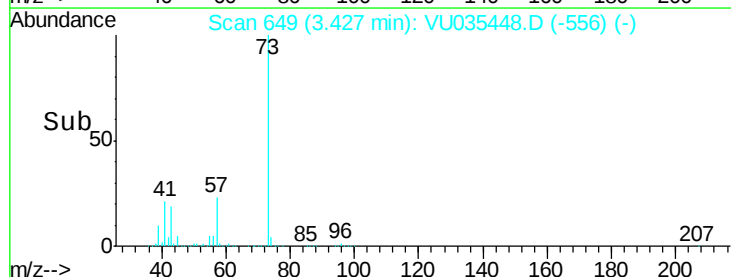
1000000

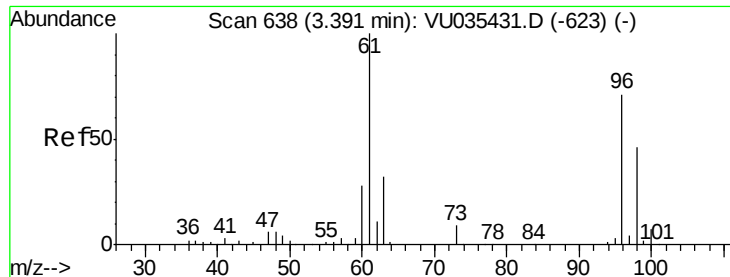
500000

0

Time-->

3.30 3.40 3.50 3.60





#18

trans-1,2-Dichloroethene

Concen: 19.527 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

Instrument :

MSVOA_U

ClientSampleId :

H0G39

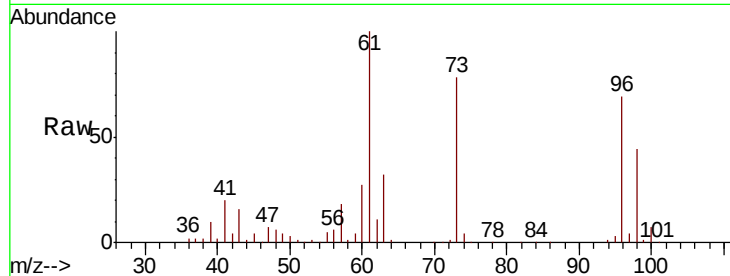
Tot Ion: 96 Resp: 264157

Ion Ratio Lower Upper

96 100

61 144.1 93.0 172.6

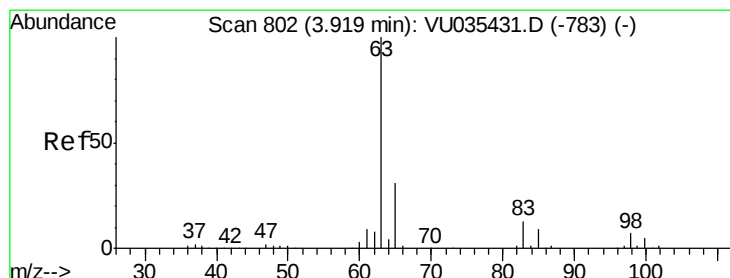
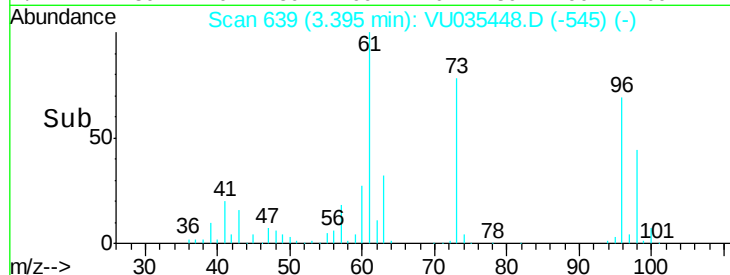
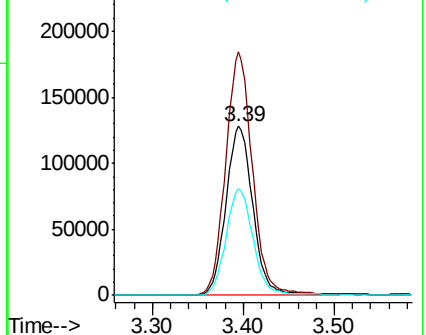
98 62.8 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035448.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035448.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035448.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 1.335 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

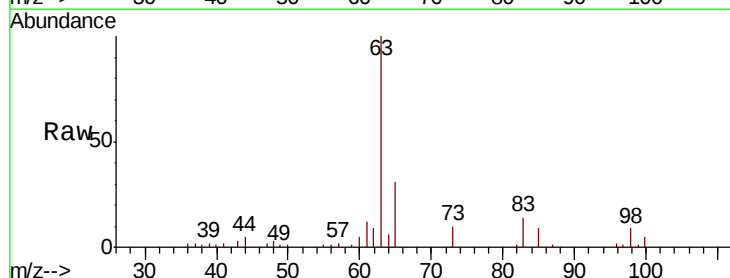
Tgt Ion: 63 Resp: 32655

Ion Ratio Lower Upper

63 100

65 30.5 22.4 41.6

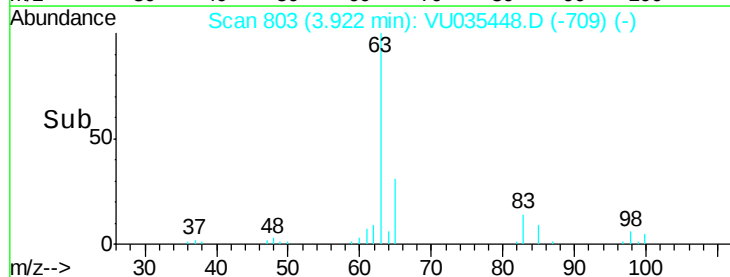
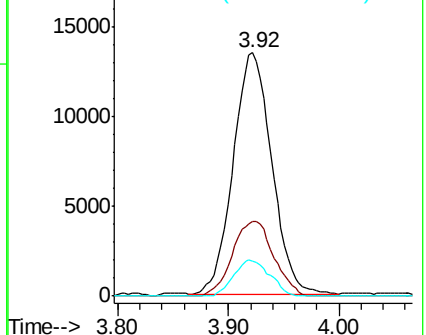
83 14.2 9.3 17.3

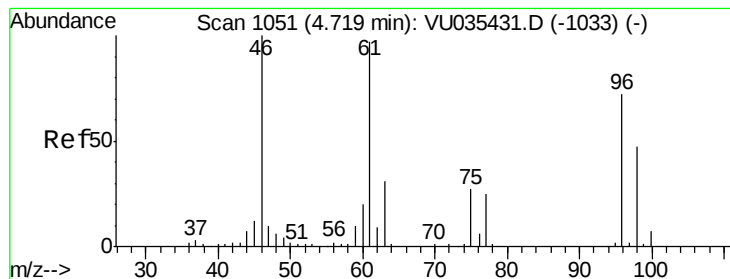


Abundance Ion 63.10 (62.80 to 63.80): VU035448.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035448.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035448.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 73.509 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

Instrument :

MSVOA_U

ClientSampleId :

H0G39

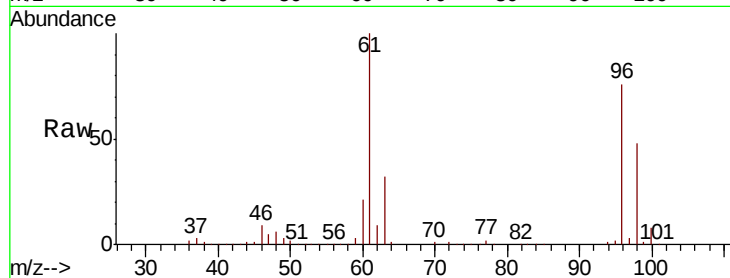
Tot Ion: 96 Resp: 1099135

Ion Ratio Lower Upper

96 100

61 131.6 89.7 166.5

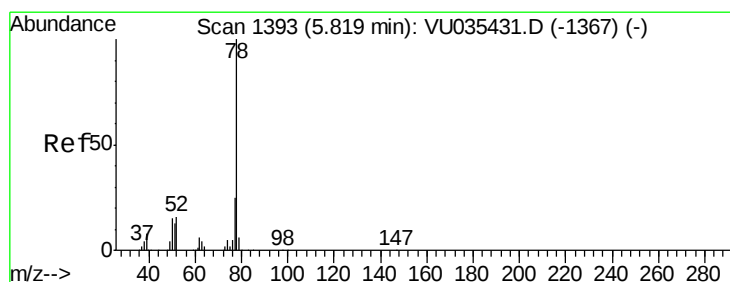
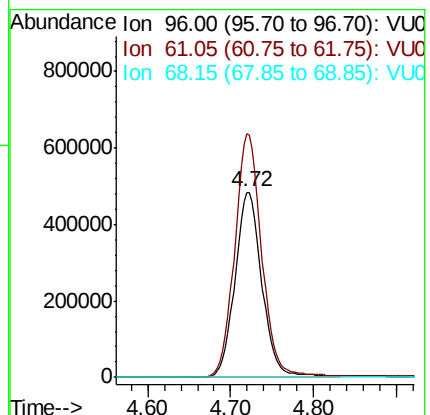
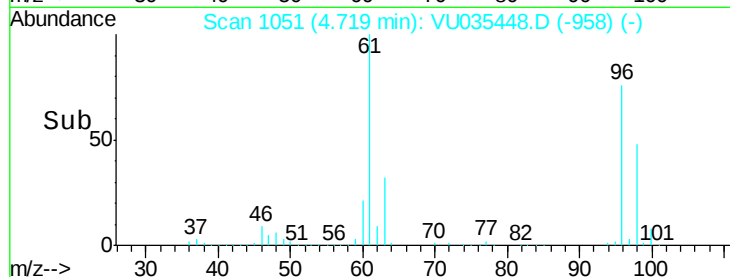
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035448.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035448.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035448.D (-958) (-)



#33

Benzene

Concen: 0.262 ug/L

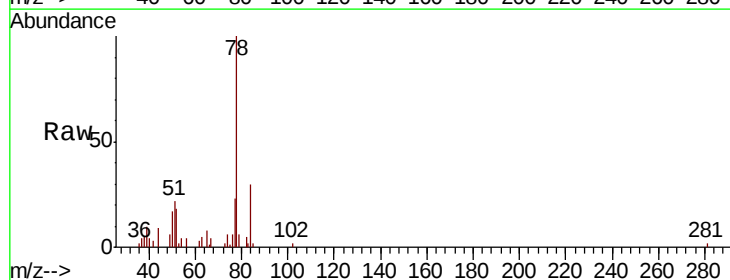
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

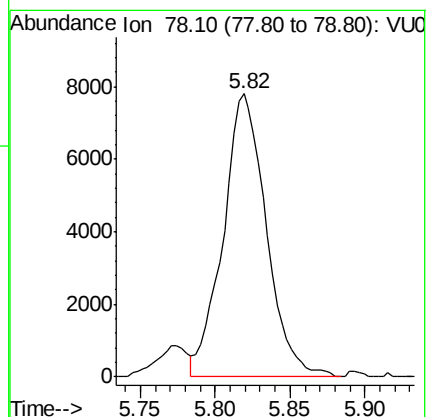
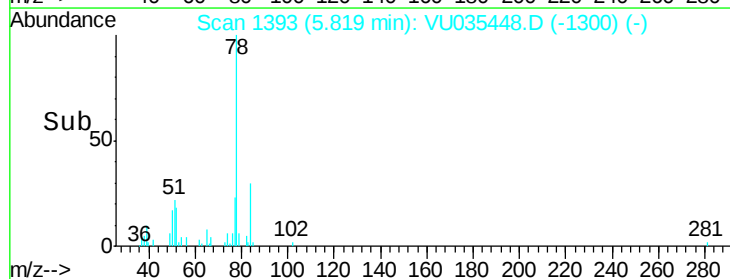
Lab File: VU035448.D

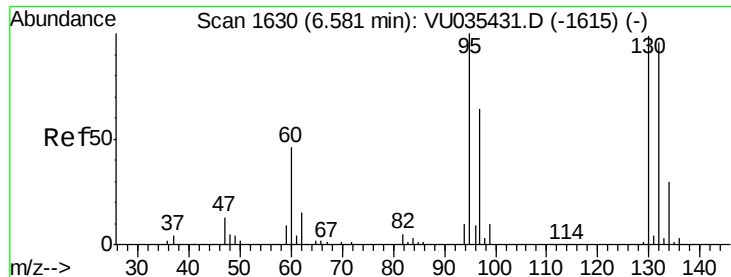
Acq: 24 Oct 2019 09:36

Tgt Ion: 78 Resp: 15642



Abundance Ion 78.10 (77.80 to 78.80): VU035448.D (-1300) (-)





#34

Trichloroethene

Concen: 7.278 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

Instrument :

MSVOA_U

ClientSampleId :

H0G39

Tot Ion: 95 Resp: 116830

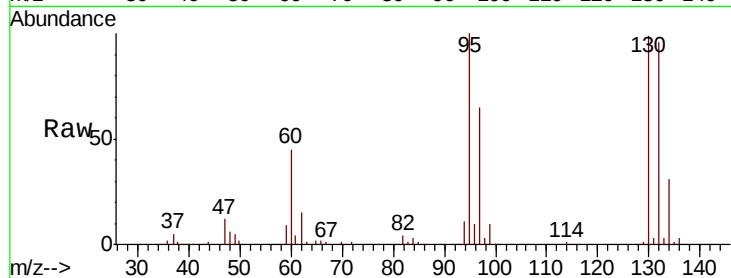
Ion Ratio Lower Upper

95 100

97 64.6 46.6 86.6

132 96.2 68.7 127.7

130 98.8 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

