

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035441.D
 Acq On : 24 Oct 2019 06:47
 Operator : JC/SP
 Sample : K5509-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G43

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 9:51:20 AM

Quant Time: Oct 24 08:41:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 24 07:51:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	210747	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	212312	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	63944	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	52263	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.93	69	54519	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.60	63	75543	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.70	46	240644	65.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.34%#
24) Chloroform-d	5.11	84	110283	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.75	65	72925	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
32) Benzene-d6	5.77	84	223451	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.74	67	83787	5.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.60%
41) Toluene-d8	7.93	98	181121	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.00%
43) trans-1,3-Dichloropropene-	8.22	79	28696	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.69	63	153748	46.60	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.20%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	77525	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	57062	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	225515	12.342	ug/L	99
17) Methyl tert-butyl Ether	3.43	73	761852	20.907	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	57476	3.934	ug/L	91
19) 1,1-Dichloroethane	3.92	63	33349	1.262	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	1560812	96.644	ug/L	97
25) Chloroform	5.14	83	17394	0.600	ug/L	100
33) Benzene	5.82	78	23162m	0.371	ug/L	
34) Trichloroethene	6.58	95	1631953	97.171	ug/L	96
47) Tetrachloroethene	8.58	164	19670	1.406	ug/L	96

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

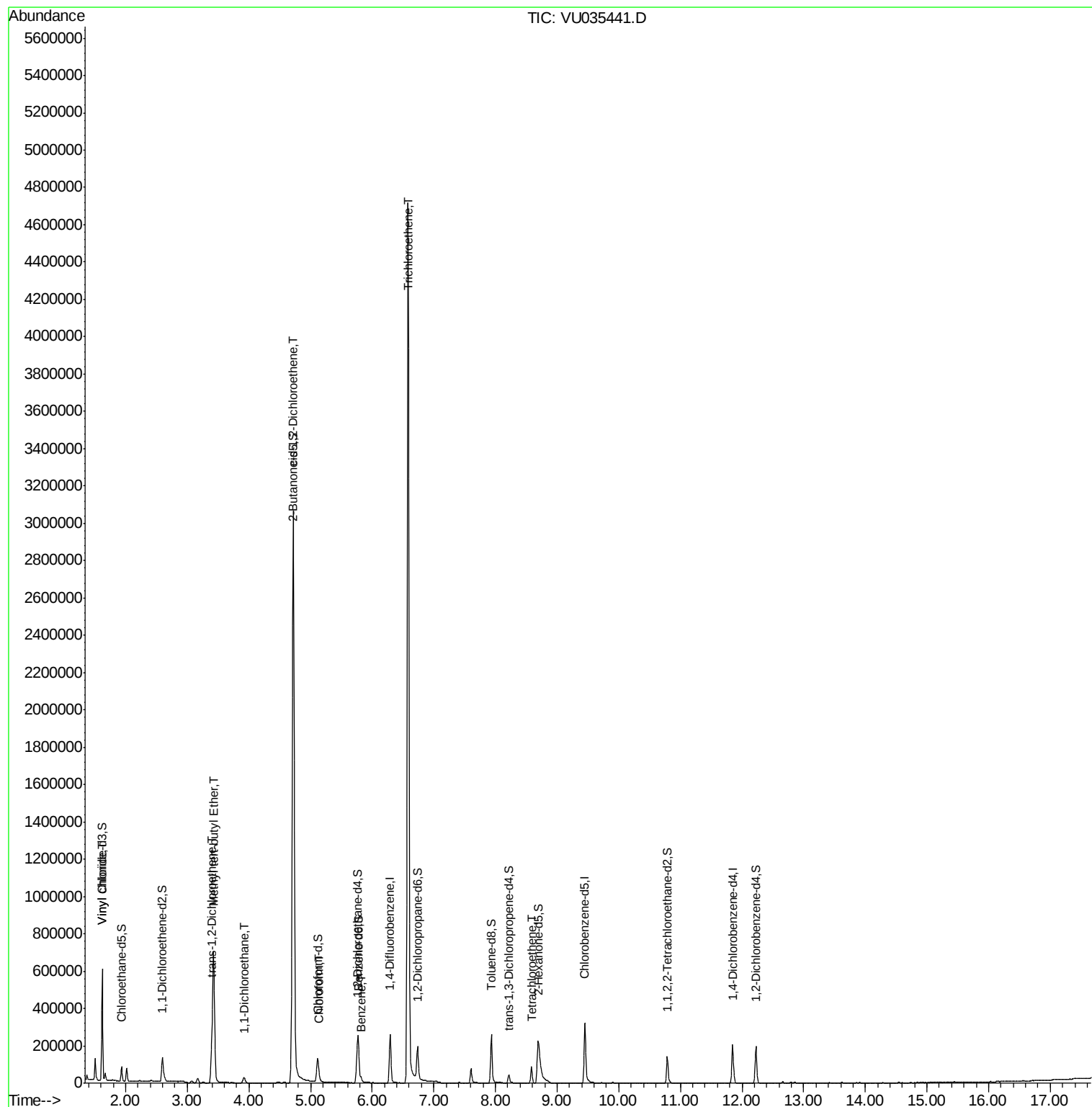
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102319\
Data File : VU035441.D
Acq On : 24 Oct 2019 06:47
Operator : JC/SP
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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 50 Sample Multiplier: 1

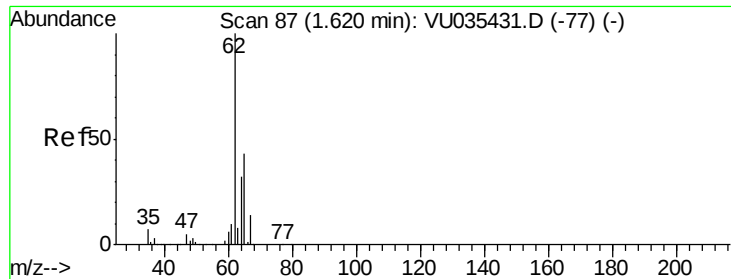
Instrument :
MSVOA_U
ClientSampleId :
H0G43

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10/24/2019 9:51:20 AM

Quant Time: Oct 24 08:41:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 07:51:06 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 12.342 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035441.D

Acq: 24 Oct 2019 06:47

Instrument :

MSVOA_U

ClientSampleId :

H0G43

Tot Ion: 62 Resp: 225515

Ion Ratio Lower Upper

62 100

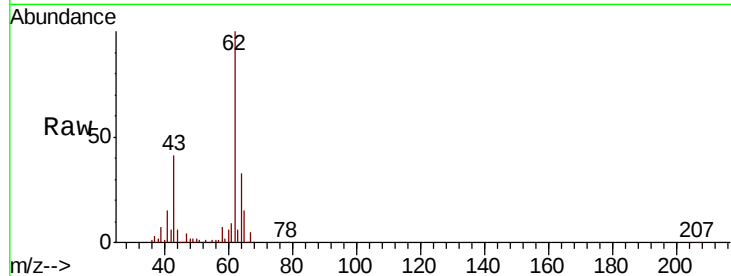
64 33.1 22.9 42.5

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Abundance Ion 62.00 (61.70 to 62.70): VU035441.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035441.D (-1) (-)

1.62

200000

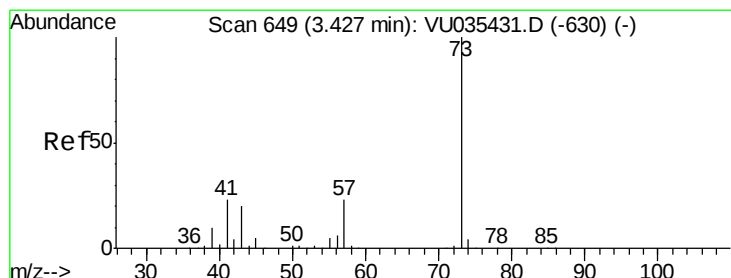
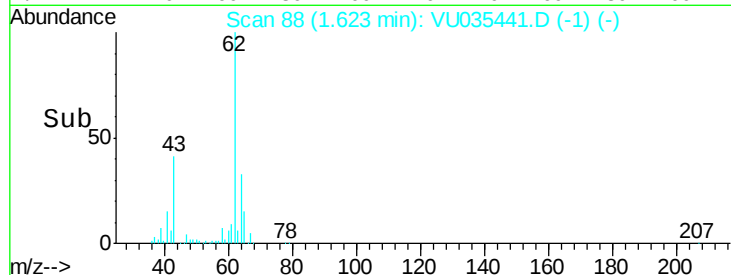
150000

100000

50000

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 20.907 ug/L

RT: 3.43 min Scan# 649

Delta R.T. -0.00 min

Lab File: VU035441.D

Acq: 24 Oct 2019 06:47

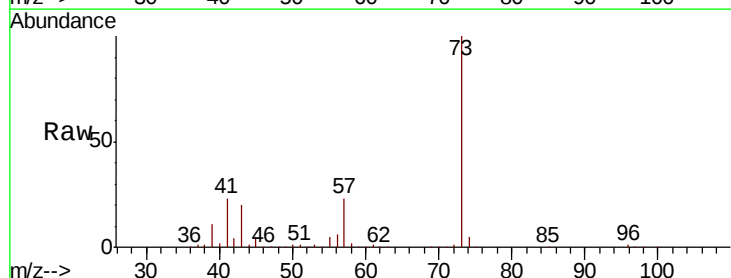
Tgt Ion: 73 Resp: 761852

Ion Ratio Lower Upper

73 100

43 20.4 16.0 24.0

57 22.9 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU035441.D (-556) (-)

Ion 43.05 (42.75 to 43.75): VU035441.D (-556) (-)

Ion 57.10 (56.80 to 57.80): VU035441.D (-556) (-)

3.43

400000

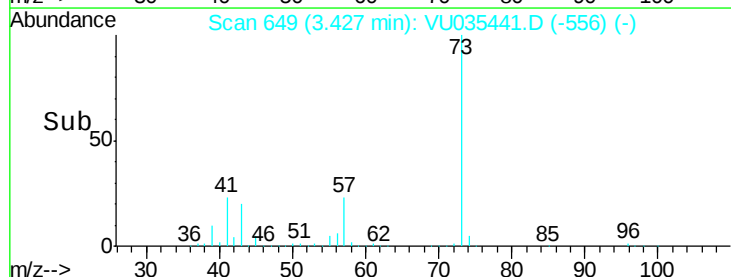
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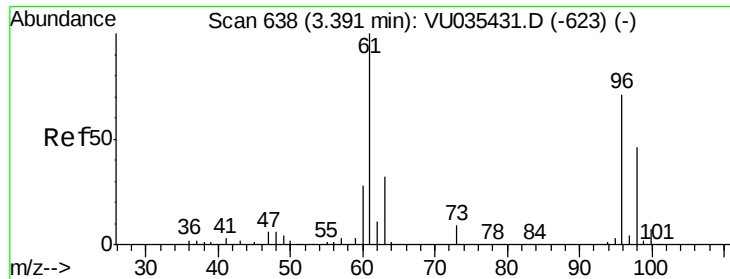
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Time-->





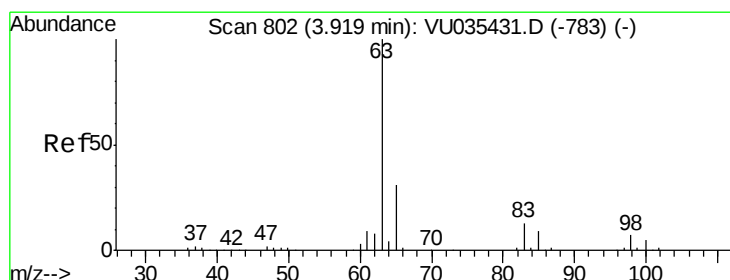
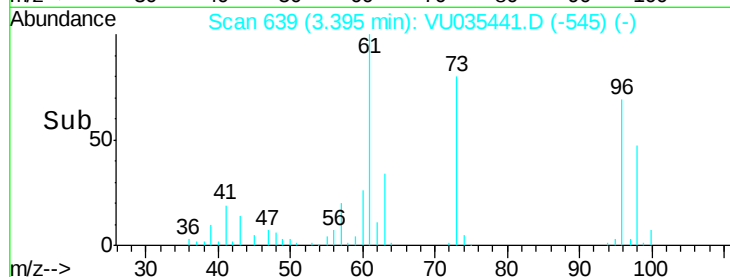
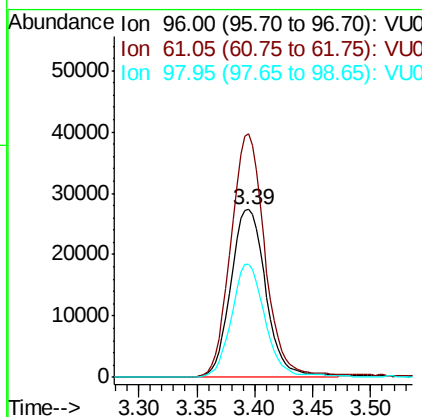
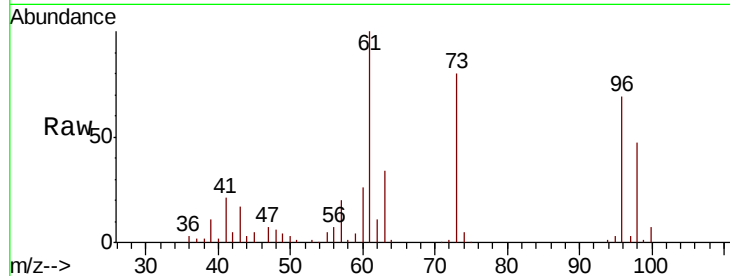
#18
trans-1,2-Dichloroethene
Concen: 3.934 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035441.D
Acq: 24 Oct 2019 06:47

Instrument :
MSVOA_U
ClientSampled :
H0G43

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	93.0	172.6
98	67.6	43.7	81.1

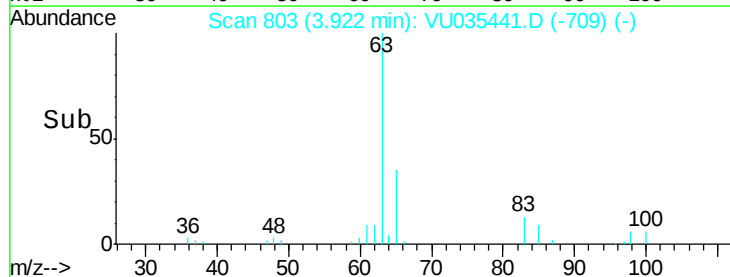
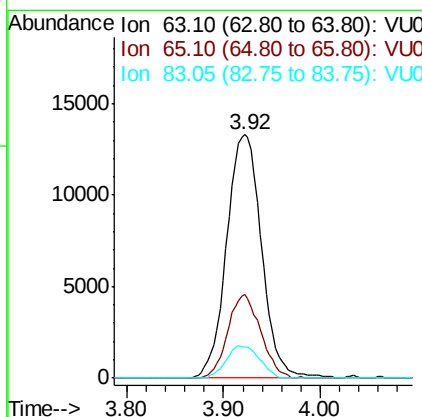
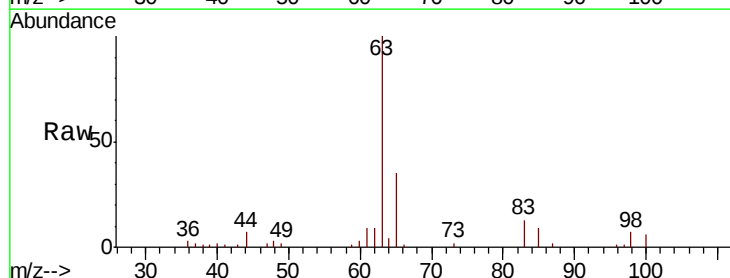
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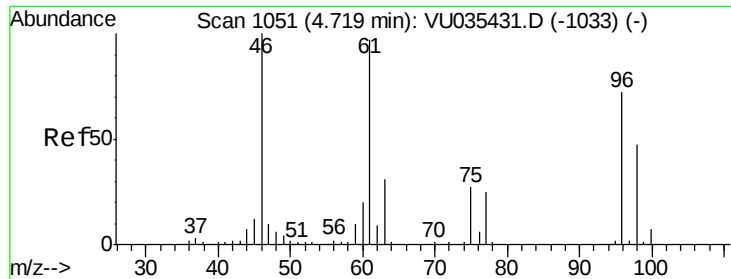
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#19
1,1-Dichloroethane
Concen: 1.262 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.00 min
Lab File: VU035441.D
Acq: 24 Oct 2019 06:47

Tgt Ion	Ratio	Lower	Upper
63	100		
65	34.5	22.4	41.6
83	13.0	9.3	17.3





#22
 cis-1,2-Dichloroethene
 Concen: 96.644 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035441.D
 Acq: 24 Oct 2019 06:47

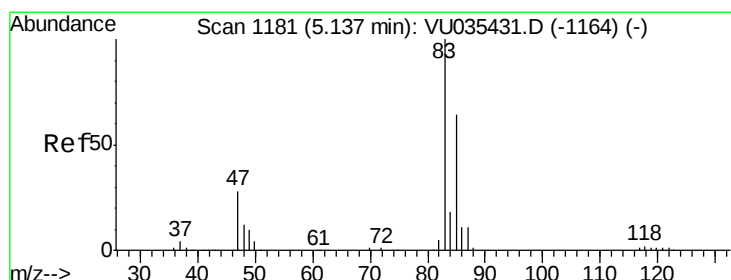
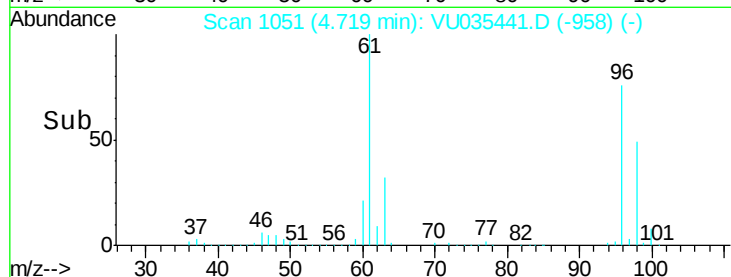
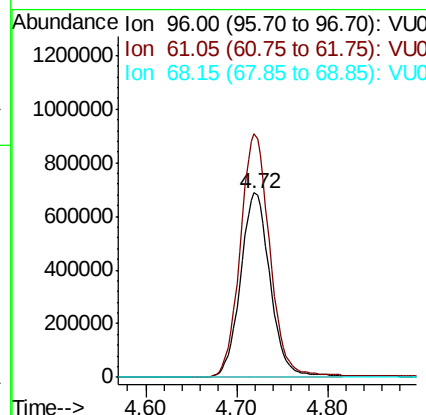
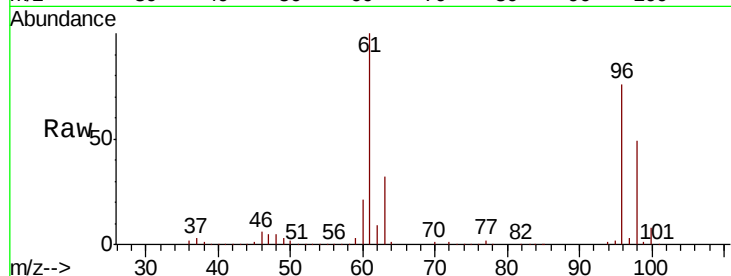
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G43

Tot Ion: 96 Resp: 1560812

Ion	Ratio	Lower	Upper
96	100		
61	132.1	89.7	166.5
68	0.0	0.0	0.0

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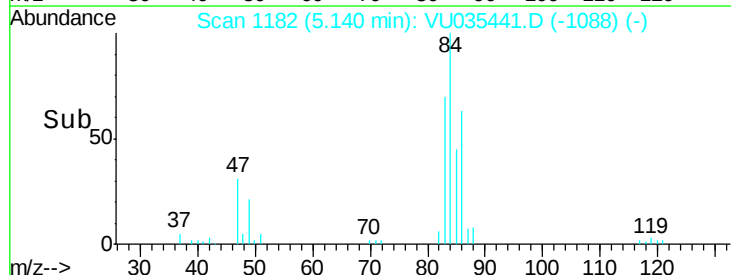
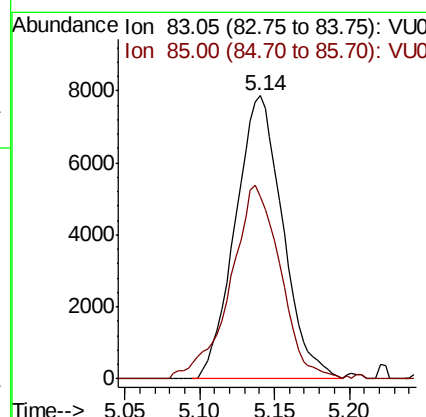
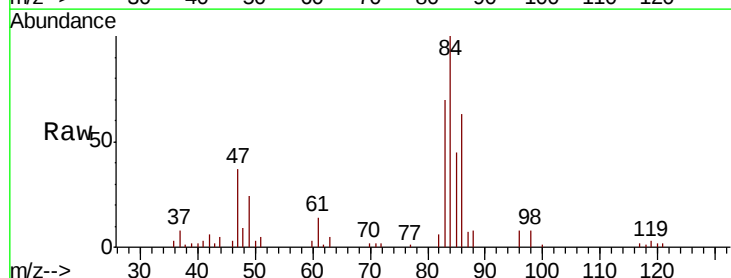
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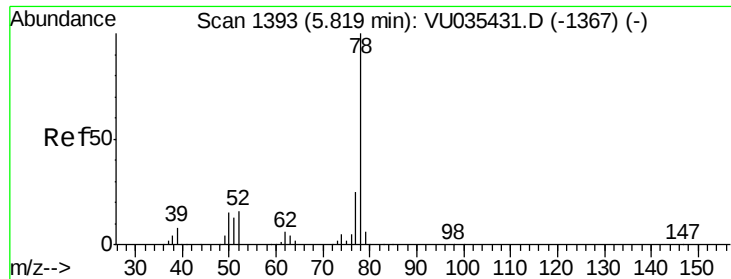


#25
 Chloroform
 Concen: 0.600 ug/L
 RT: 5.14 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU035441.D
 Acq: 24 Oct 2019 06:47

Tgt Ion: 83 Resp: 17394

Ion	Ratio	Lower	Upper
83	100		
85	64.4	45.1	83.9





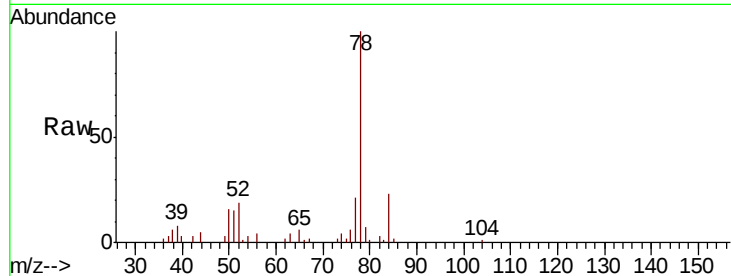
#33
Benzene
Concen: 0.371 ug/L m
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035441.D
Acq: 24 Oct 2019 06:47

Instrument :
MSVOA_U
ClientSampleId :
H0G43

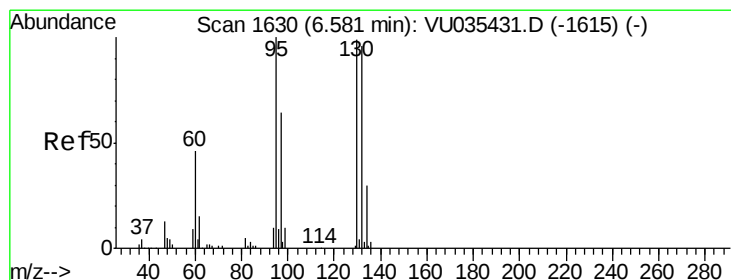
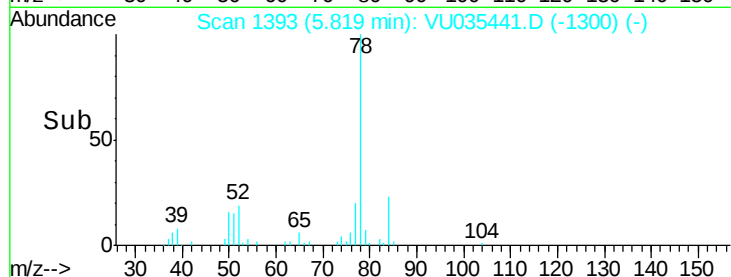
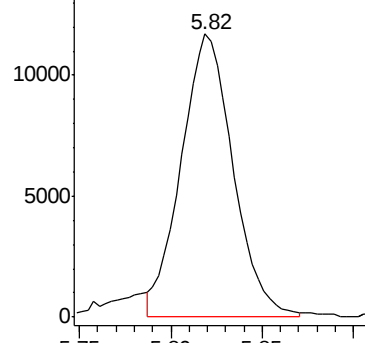
Tgt Ion: 78 Resp: 23162

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Abundance Ion 78.10 (77.80 to 78.80): VU0



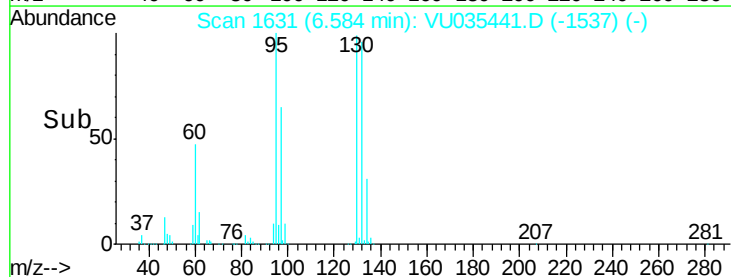
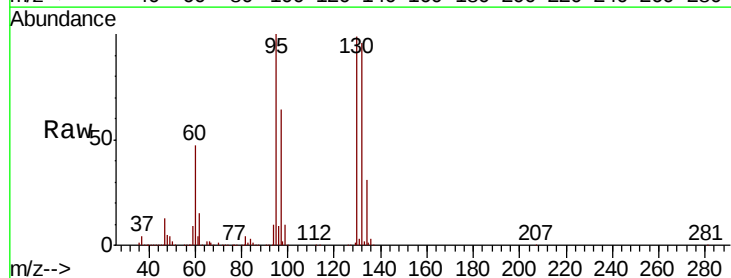
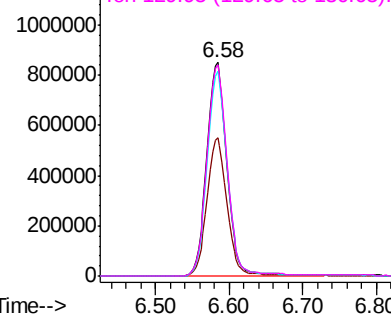
#34
Trichloroethene
Concen: 97.171 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035441.D
Acq: 24 Oct 2019 06:47

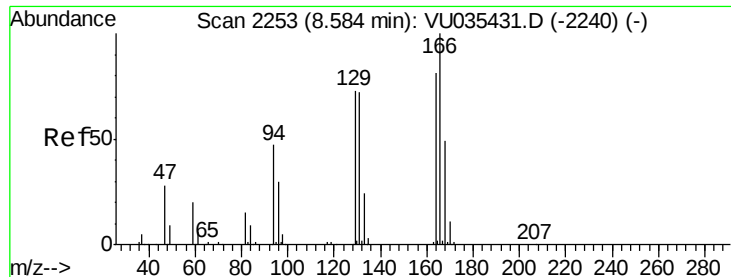
Tgt Ion: 95 Resp: 1631953

Ion	Ratio	Lower	Upper
95	100		
97	64.5	46.6	86.6
132	95.9	68.7	127.7
130	99.1	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





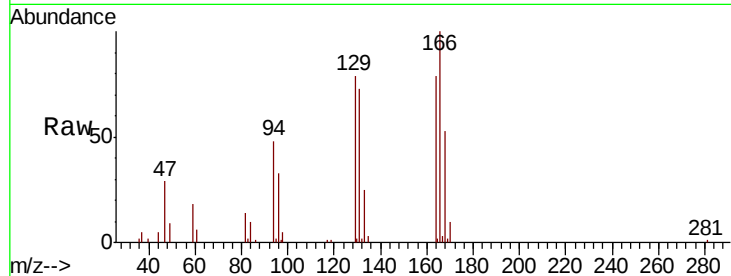
#47
Tetrachloroethene
Concen: 1.406 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035441.D
Acq: 24 Oct 2019 06:47

Instrument :
MSVOA_U
ClientSampleId :
H0G43

Tot Ion:	164	Resp:	19670
Ion Ratio	Lower	Upper	
164	100		
129	101.1	65.2	121.0
131	92.6	62.9	116.9
166	127.3	91.5	169.9

Manual Integrations
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Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

