

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062219\
 Data File : VU032961.D
 Acq On : 21 Jun 2019 21:46
 Operator : JC/SP
 Sample : K3463-21
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF31

Manual Integrations
 APPROVED

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 6/24/2019 12:20:14 PM

Quant Time: Jun 22 02:35:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 01:56:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	192223	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	186741	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87012	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	45954	34.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.96%
7) Chloroethane-d5	1.68	69	41692	39.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.58%
11) 1,1-Dichloroethene-d2	2.26	63	73118	27.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.26%#
21) 2-Butanone-d5	4.17	46	119919	109.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.67%
24) Chloroform-d	4.64	84	113783	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.10%
26) 1,2-Dichloroethane-d4	5.30	65	80552	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
32) Benzene-d6	5.33	84	209390	43.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.02%
36) 1,2-Dichloropropane-d6	6.32	67	71940	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.78%
41) Toluene-d8	7.56	98	184311	40.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.86%
43) trans-1,3-Dichloropropene-	7.85	79	33150	41.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.20%
47) 2-Hexanone-d5	8.31	63	69856	96.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.47%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112075	46.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	78992	46.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.82%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	20558	11.777	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	1520m	1.158	ug/L	
20) cis-1,2-Dichloroethene	4.22	96	266277	186.206	ug/L	97

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

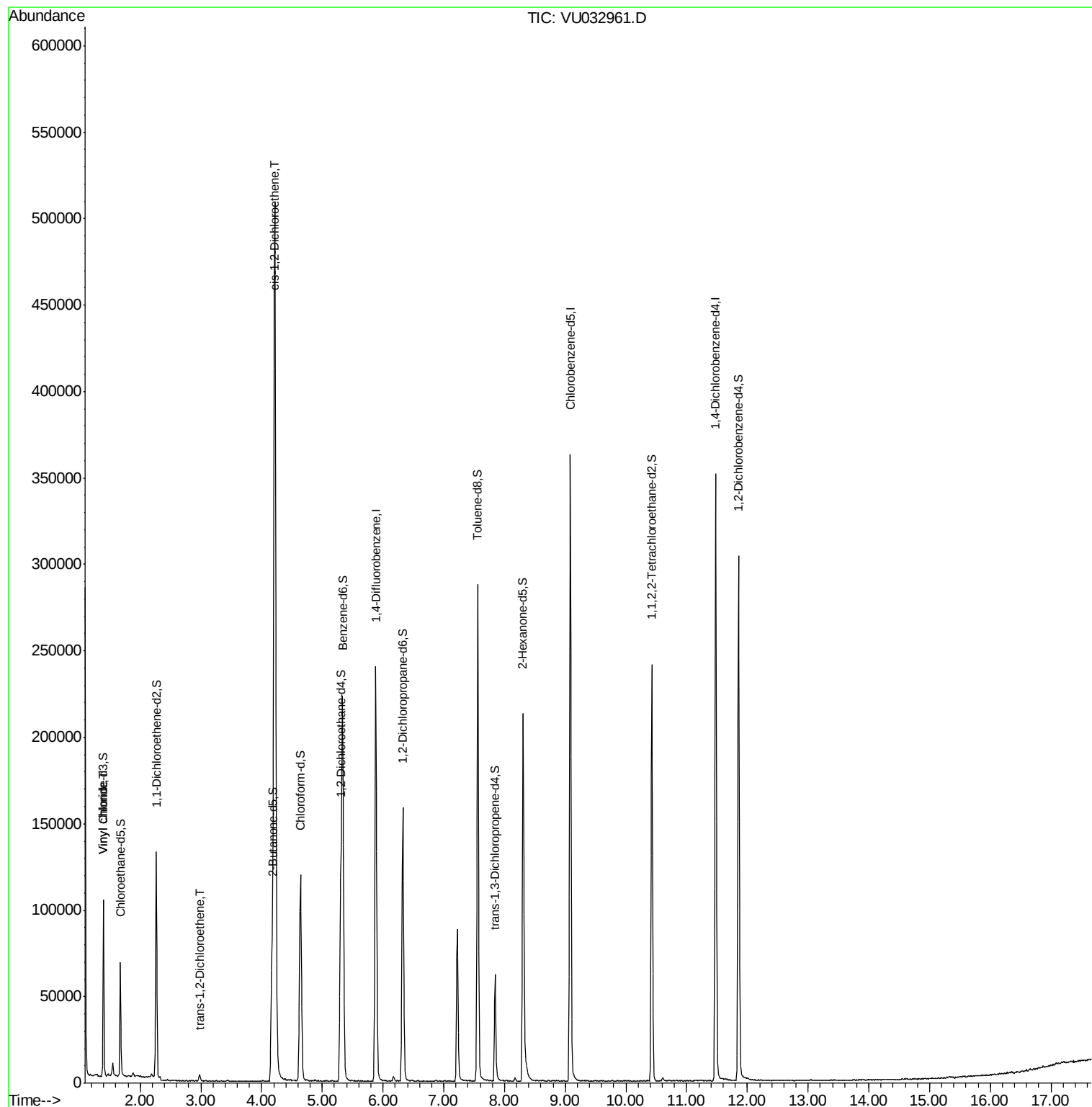
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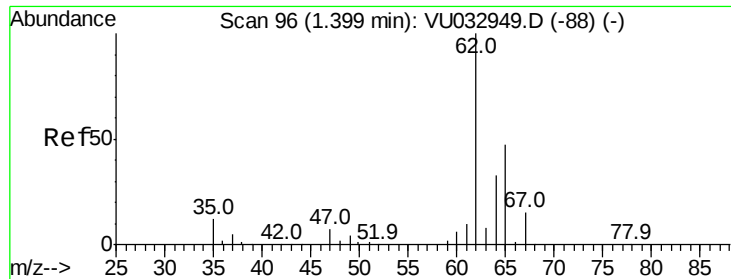
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QLast Update : Sat Jun 22 01:56:09 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 11.777 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032961.D

Acq: 21 Jun 2019 21:46

Instrument :

MSVOA_U

ClientSampleId :

ETF31

Tot Ion: 62 Resp: 20558

Ion Ratio Lower Upper

62 100

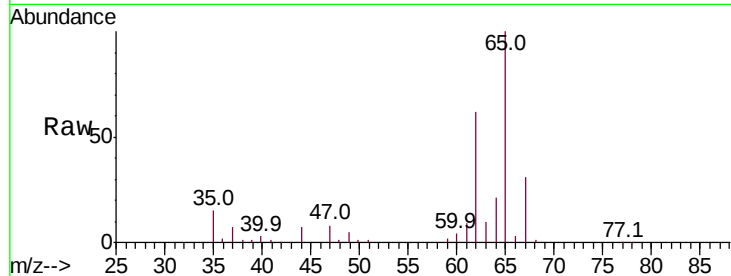
64 34.6 23.0 42.6

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VU032949.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032949.D (-88) (-)

1.40

20000

15000

10000

5000

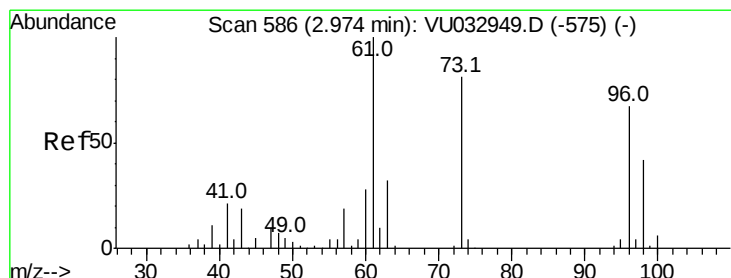
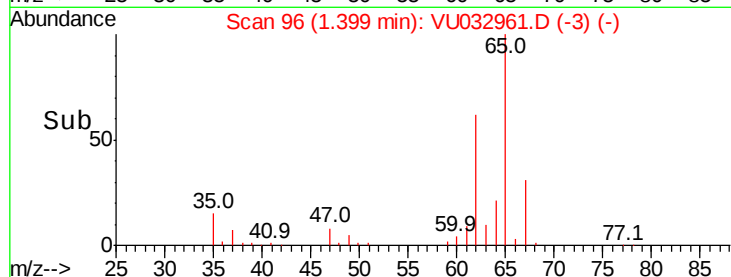
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Time-->

1.35

1.40

1.45



#17

trans-1,2-Dichloroethene

Concen: 1.158 ug/L m

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU032961.D

Acq: 21 Jun 2019 21:46

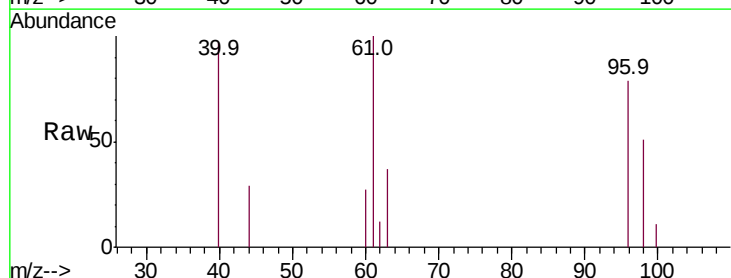
Tgt Ion: 96 Resp: 1520

Ion Ratio Lower Upper

96 100

61 126.7 100.9 187.5

98 65.0 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032949.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VU032949.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VU032949.D (-575) (-)

1500

1000

500

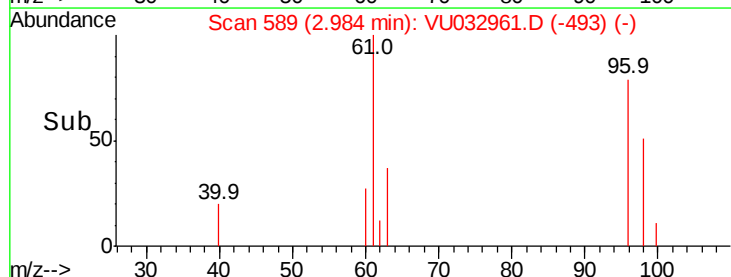
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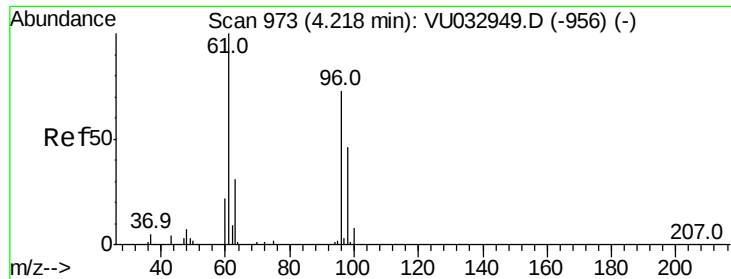
Time-->

2.95

2.98

3.00





#20
 cis-1,2-Dichloroethene
 Concen: 186.206 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
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Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	92.4	171.6
68	0.0	0.0	0.0

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