

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112519\
 Data File : VU035834.D
 Acq On : 25 Nov 2019 19:19
 Operator : JC/SP
 Sample : K5992-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GARE6

Manual Integrations
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Quant Time: Nov 26 03:22:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 26 01:03:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	258473	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	281131	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	90146	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	164176	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.93	69	128346	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.61	63	429062	6.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	136.80%#
20) 2-Butanone-d5	4.71	46	412690	52.81	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.62%
24) Chloroform-d	5.11	84	250277	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.75	65	150862	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.77	84	506608	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.74	67	182296	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.93	98	416697	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	8.21	79	64428	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.68	63	331059	58.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.14%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	142788	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	108033	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	4100012	94.994	ug/L 99
12) 1,1-Dichloroethene	2.61	96	421927	15.689	ug/L # 77
13) Acetone	2.66	43	6756	0.984	ug/L 92
18) trans-1,2-Dichloroethene	3.39	96	586322	22.140	ug/L 99
19) 1,1-Dichloroethane	3.93	63	7485	0.126	ug/L 94
22) cis-1,2-Dichloroethene	4.70	96	28681842m	971.913	ug/L
33) Benzene	5.82	78	16512	0.141	ug/L 100
34) Trichloroethene	6.57	95	26344939m	915.660	ug/L
45) 1,1,2-Trichloroethane	8.44	97	11897	0.549	ug/L 89
47) Tetrachloroethene	8.58	164	68290	3.119	ug/L 97

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

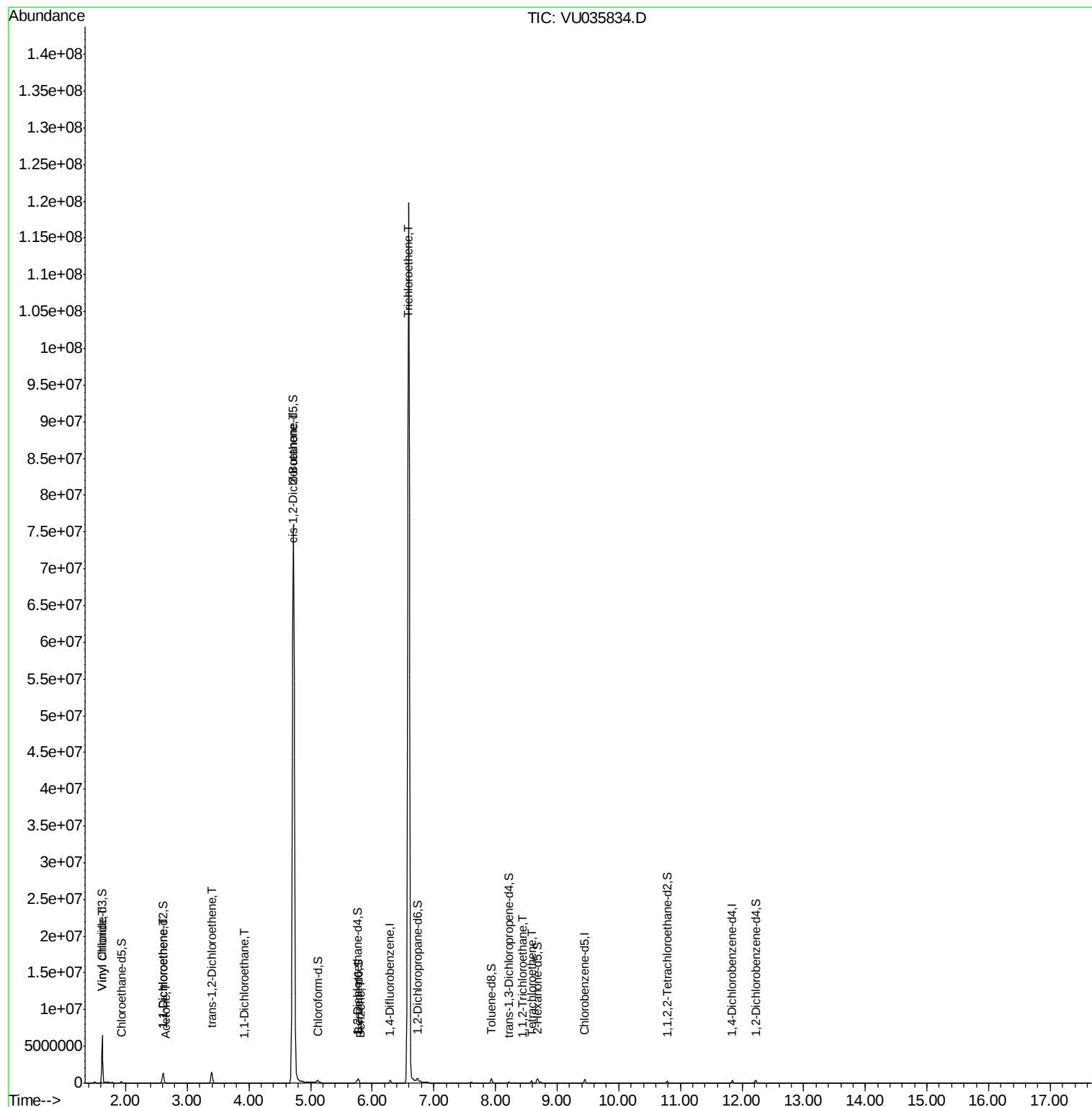
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU112519\
Data File : VU035834.D
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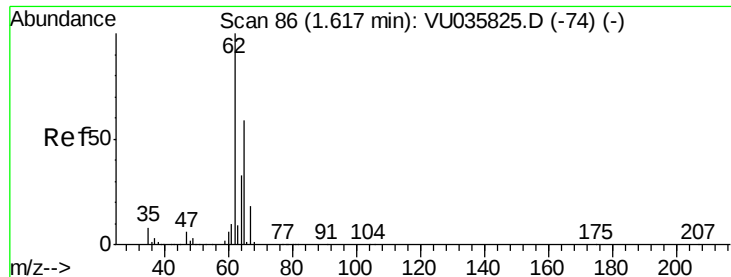
Instrument :
MSVOA_U
ClientSampleId :
GARE6

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Quant Time: Nov 26 03:22:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 01:03:35 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 94.994 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

Instrument :

MSVOA_U

ClientSampled :

GARE6

Tot Ion: 62 Resp: 4100012

Ion Ratio Lower Upper

62 100

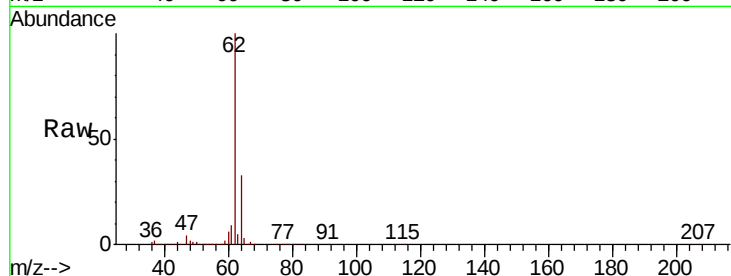
64 32.5 22.5 41.9

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Abundance Ion 62.00 (61.70 to 62.70): VU035834.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035834.D (-1) (-)

1.62

4000000

3000000

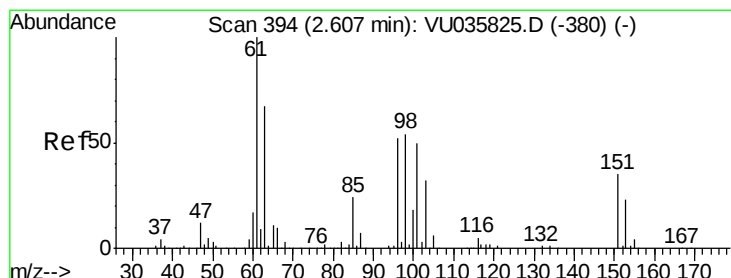
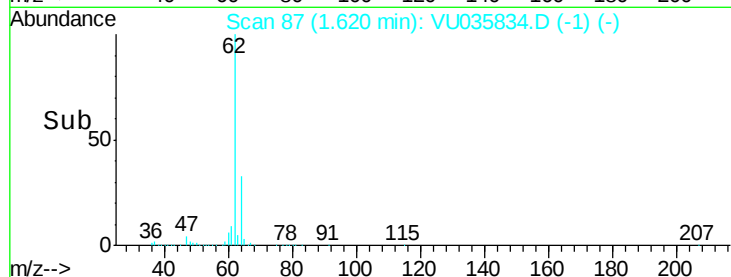
2000000

1000000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#12

1,1-Dichloroethene

Concen: 15.689 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

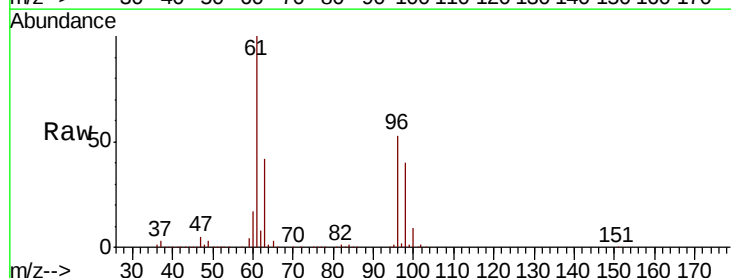
Tgt Ion: 96 Resp: 421927

Ion Ratio Lower Upper

96 100

61 188.0 139.3 258.7

63 79.1 93.7 174.1#



Abundance Ion 96.00 (95.70 to 96.70): VU035834.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035834.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035834.D (-301) (-)

600000

500000

400000

300000

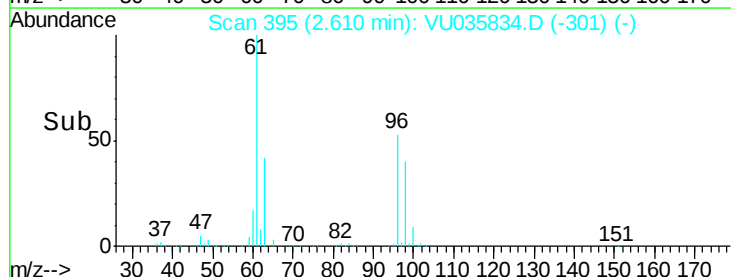
200000

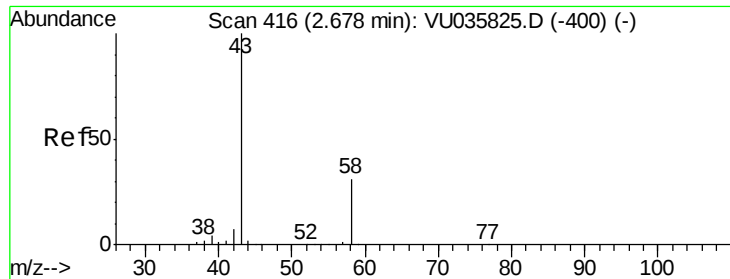
100000

0

Time-->

2.50 2.60 2.70





#13

Acetone

Concen: 0.984 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

Instrument :

MSVOA_U

ClientSampled :

GARE6

Tot Ion: 43 Resp: 6756

Ion Ratio Lower Upper

43 100

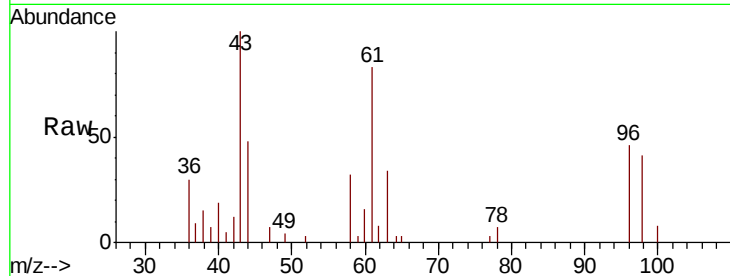
58 34.9 0.0 61.2

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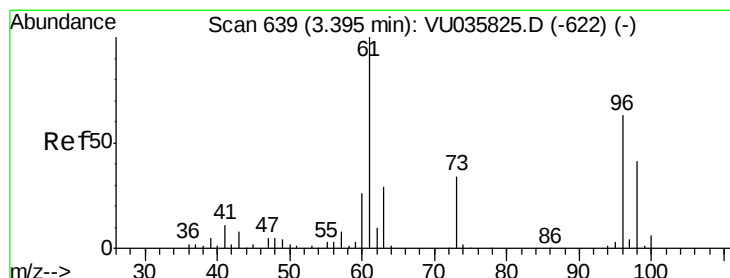
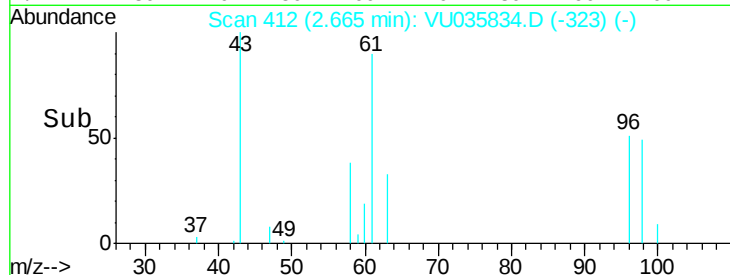


Abundance Ion 43.05 (42.75 to 43.75): VU035834.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU035834.D (-323) (-)

2.66

Time-->



#18

trans-1,2-Dichloroethene

Concen: 22.140 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

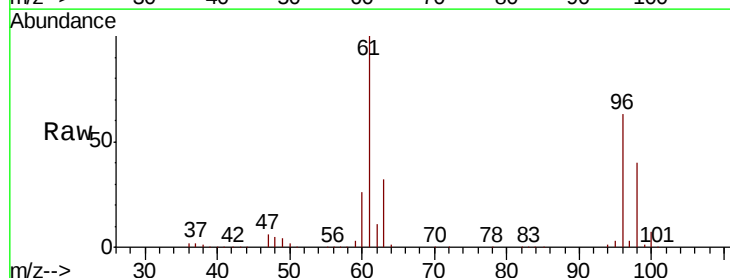
Tgt Ion: 96 Resp: 586322

Ion Ratio Lower Upper

96 100

61 157.7 111.1 206.3

98 62.9 43.1 80.1



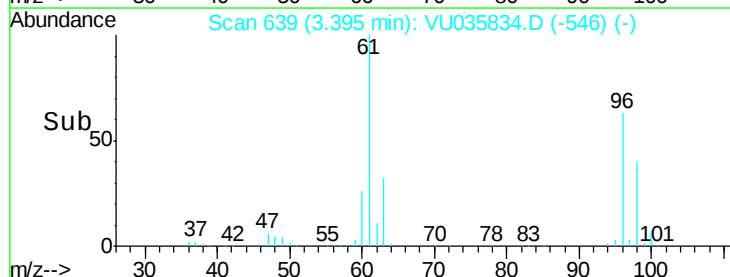
Abundance Ion 96.00 (95.70 to 96.70): VU035834.D (-546) (-)

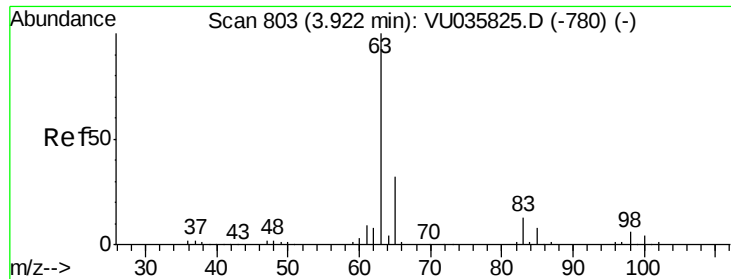
Ion 61.05 (60.75 to 61.75): VU035834.D (-546) (-)

Ion 97.95 (97.65 to 98.65): VU035834.D (-546) (-)

3.39

Time-->





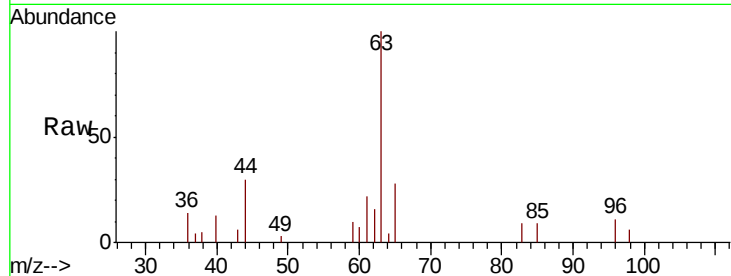
#19
 1,1-Dichloroethane
 Concen: 0.126 ug/L
 RT: 3.93 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VU035834.D
 Acq: 25 Nov 2019 19:19

Instrument :
 MSVOA_U
 ClientSampleId :
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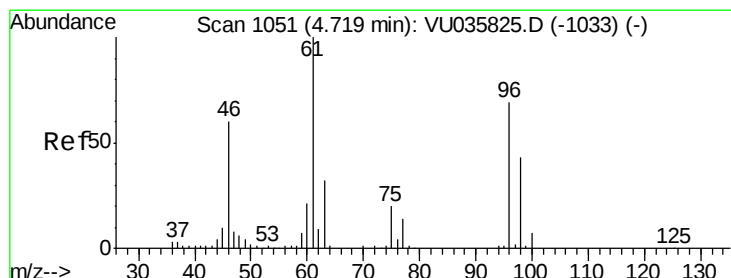
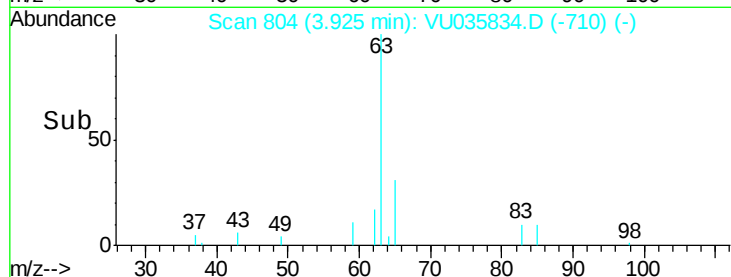
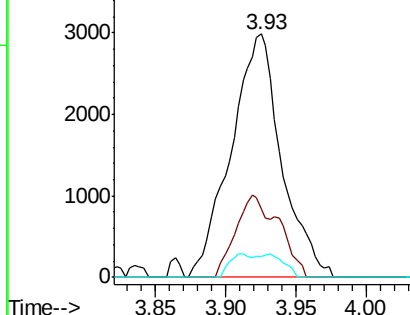
Tot Ion	Ratio	Lower	Upper
63	100		
65	28.2	21.8	40.4
83	8.8	8.6	16.0

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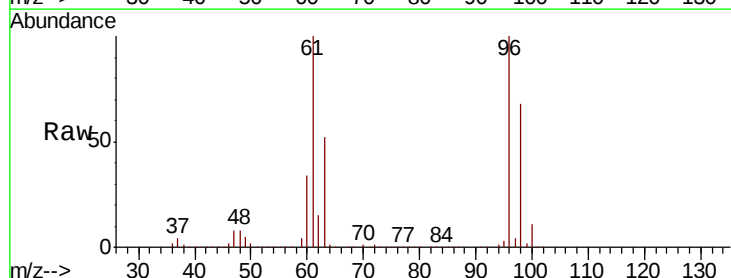


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

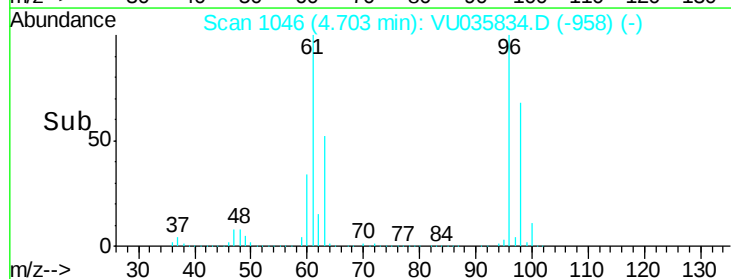
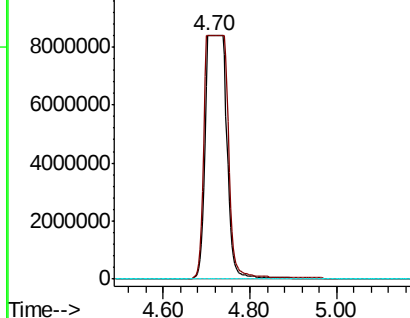


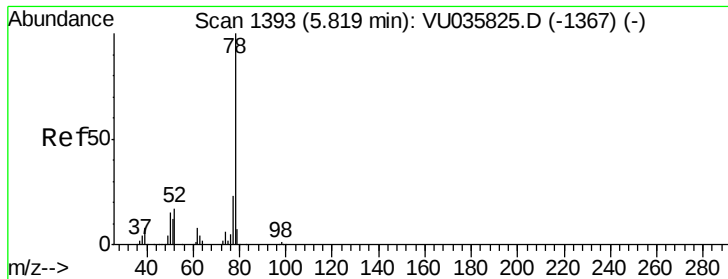
#22
 cis-1,2-Dichloroethene
 Concen: 971.913 ug/L m
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.02 min
 Lab File: VU035834.D
 Acq: 25 Nov 2019 19:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	100.0	98.1	182.1
68	0.0	0.0	0.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0





#33

Benzene

Concen: 0.141 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

Instrument :

MSVOA_U

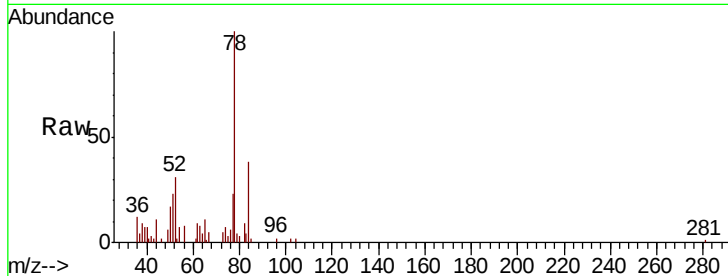
ClientSampleId :

GARE6

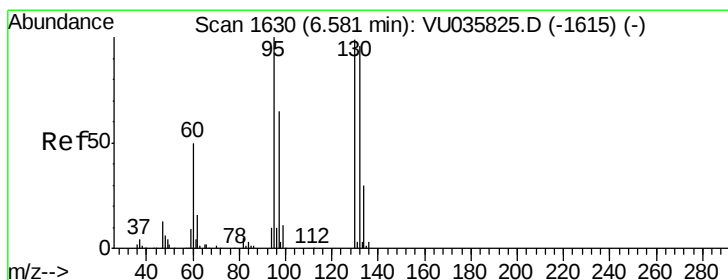
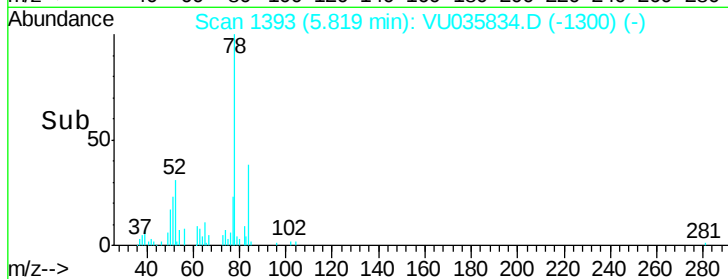
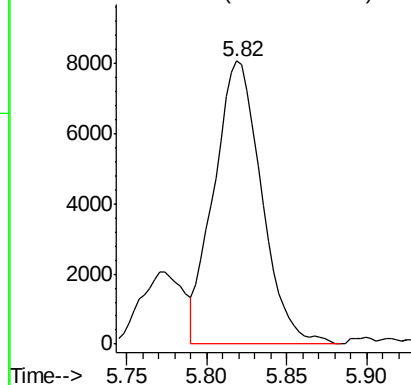
Tgt Ion: 78 Resp: 16512

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Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 915.660 ug/L m

RT: 6.57 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

Tgt Ion: 95 Resp: 26344939

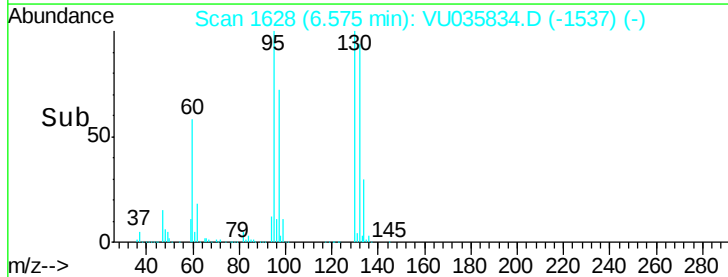
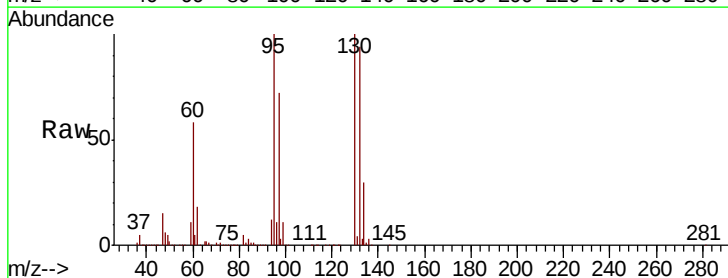
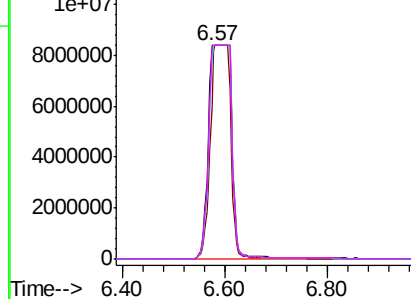
Ion	Ratio	Lower	Upper
95	100		
97	72.2	45.1	83.9
132	94.1	61.9	114.9
130	100.0	66.3	123.1

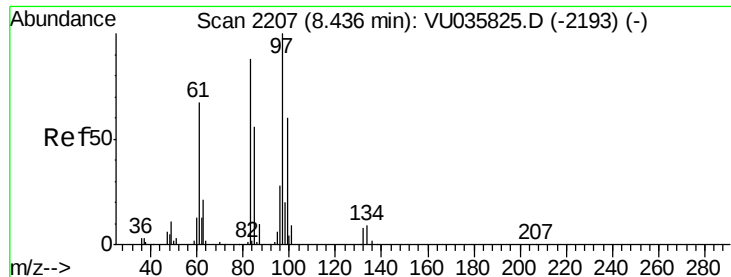
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





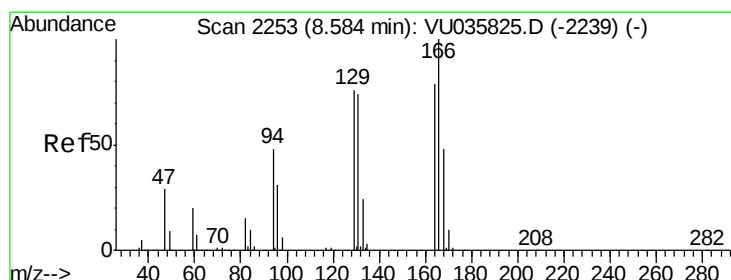
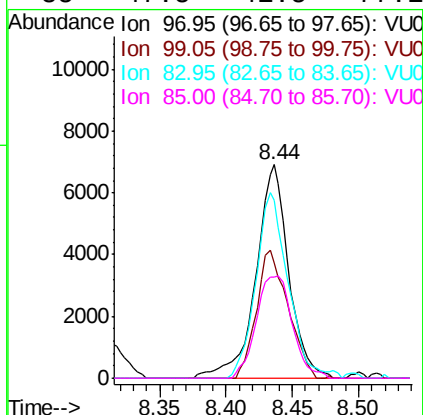
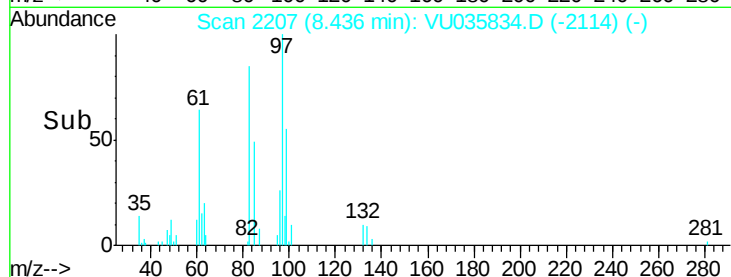
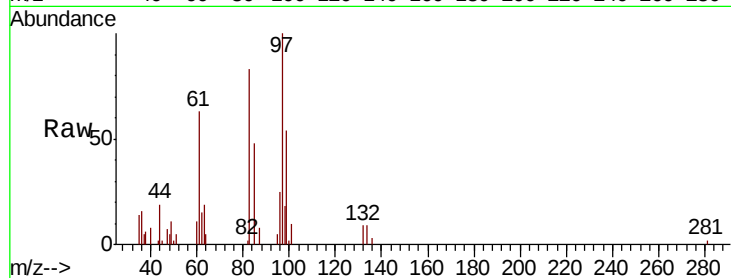
#45
1,1,2-Trichloroethane
Concen: 0.549 ug/L
RT: 8.44 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VU035834.D
Acq: 25 Nov 2019 19:19

Instrument :
MSVOA_U
ClientSampleId :
GARE6

Tot Ion:	97	Resp:	11897
Ion	Ratio	Lower	Upper
97	100		
99	53.8	44.2	82.0
83	83.1	62.2	115.6
85	47.5	41.5	77.1

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#47
Tetrachloroethene
Concen: 3.119 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035834.D
Acq: 25 Nov 2019 19:19

Tgt Ion:	164	Resp:	68290
Ion	Ratio	Lower	Upper
164	100		
129	97.6	68.8	127.8
131	94.4	67.3	124.9
166	125.4	91.6	170.2

