

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112519\
 Data File : VU035838.D
 Acq On : 25 Nov 2019 21:21
 Operator : JC/SP
 Sample : K5992-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GARF0

Manual Integrations
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 11/27/2019 3:25:39 PM

Quant Time: Nov 26 08:52:20 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	265331	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	290064	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	98081	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	449640	12.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	259.40%#
7) Chloroethane-d5	1.93	69	125746	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.61	63	2799674	43.45	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	869.00%#
20) 2-Butanone-d5	4.71	46	568818	70.91	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	141.82%#
24) Chloroform-d	5.11	84	262282	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.75	65	155672	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.77	84	523843	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.75	67	198966	5.34	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.93	98	450007	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	8.21	79	69390	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.68	63	386562	66.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.56%#
57) 1,1,2,2-Tetrachloroethane-	10.79	84	158310	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	107784	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	16137042m	364.220	ug/L	
12) 1,1-Dichloroethene	2.61	96	4409128	159.708	ug/L #	70
13) Acetone	2.67	43	7453	1.058	ug/L	93
16) Methylene chloride	3.09	84	2506	0.075	ug/L	94
18) trans-1,2-Dichloroethene	3.39	96	994484	36.582	ug/L	98
19) 1,1-Dichloroethane	3.92	63	37437	0.613	ug/L	93
22) cis-1,2-Dichloroethene	4.70	96	32246183m	1064.452	ug/L	
25) Chloroform	5.14	83	46035	0.775	ug/L	98
27) 1,2-Dichloroethane	5.84	62	13394	0.343	ug/L #	93
30) Cyclohexane	5.43	56	28828	0.630	ug/L	98
33) Benzene	5.82	78	89747	0.741	ug/L	100
34) Trichloroethene	6.57	95	47570292m	1602.462	ug/L	
42) Toluene	8.00	91	12190	0.097	ug/L	87
45) 1,1,2-Trichloroethane	8.43	97	41270	1.844	ug/L	97
47) Tetrachloroethene	8.58	164	155971	6.904	ug/L	98

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

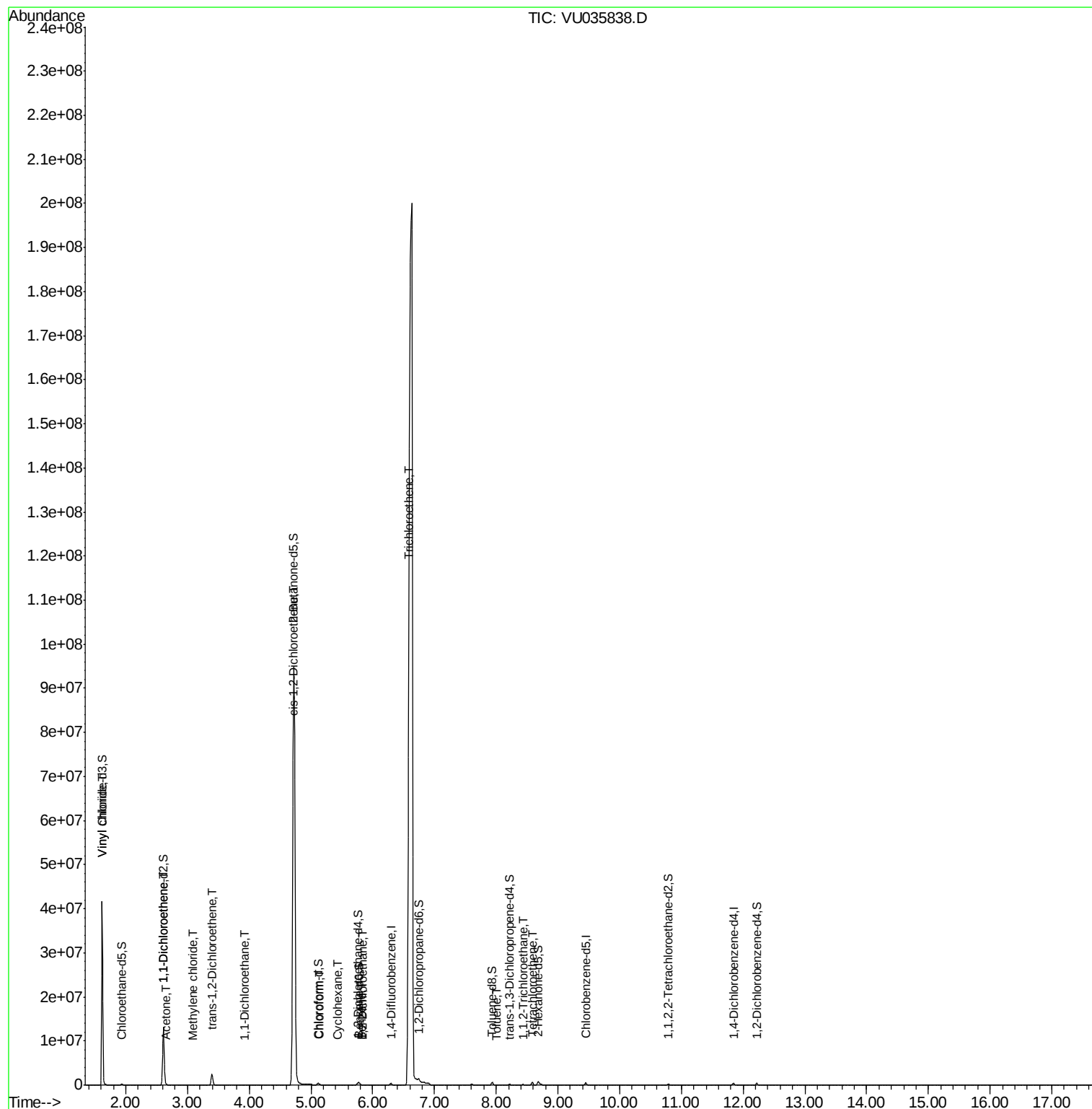
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112519\
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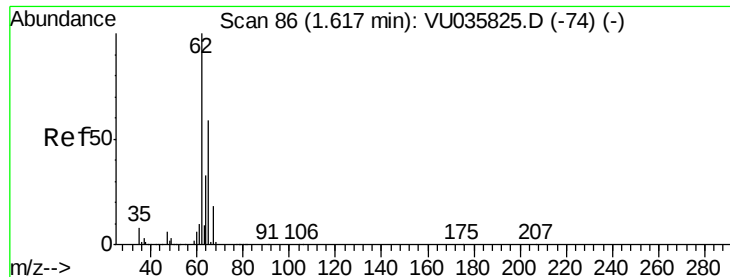
Instrument :
MSVOA_U
ClientSampleId :
GARF0

Manual Integrations
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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





#5

Vinyl chloride

Concen: 364.220 ug/L m

RT: 1.61 min Scan# 84

Delta R.T. -0.01 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

Instrument :

MSVOA_U

ClientSampleId :

GARF0

Tot Ion: 62 Resp:16137042

Ion Ratio Lower Upper

62 100

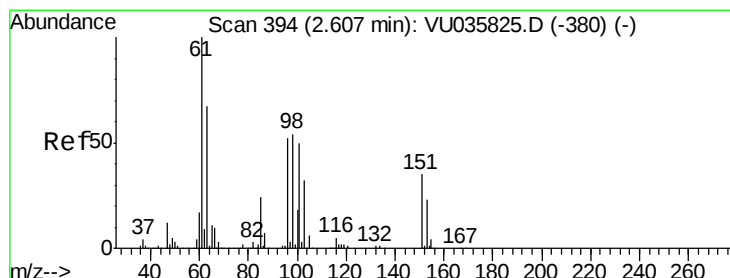
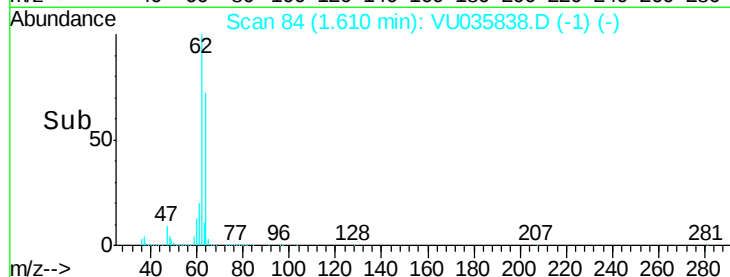
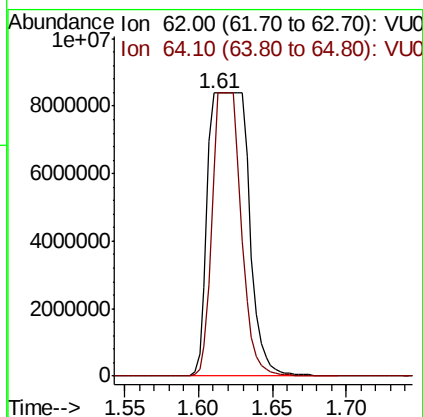
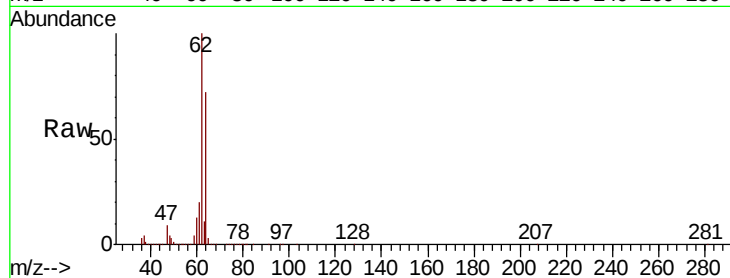
64 72.0 22.5 41.9#

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 159.708 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

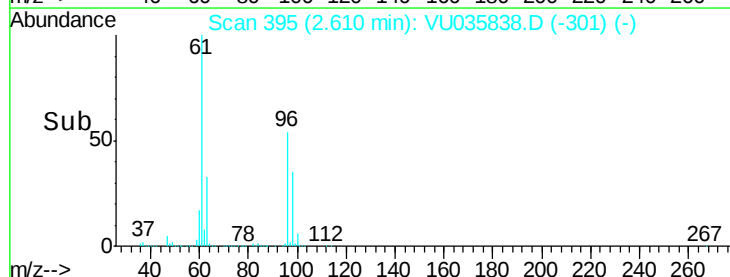
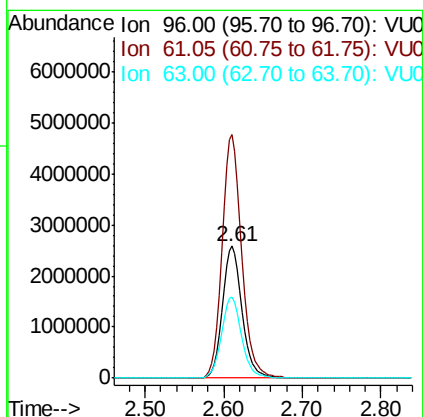
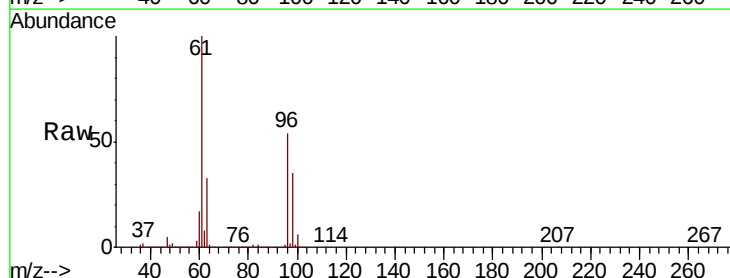
Tgt Ion: 96 Resp: 4409128

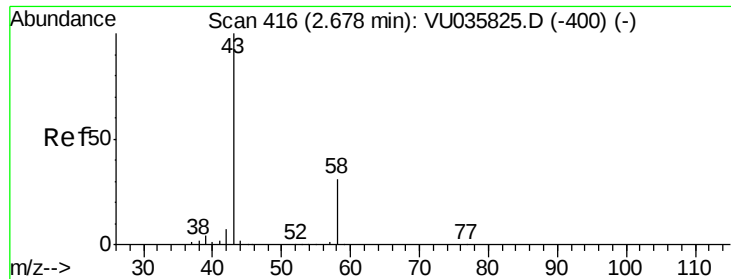
Ion Ratio Lower Upper

96 100

61 184.5 139.3 258.7

63 61.8 93.7 174.1#





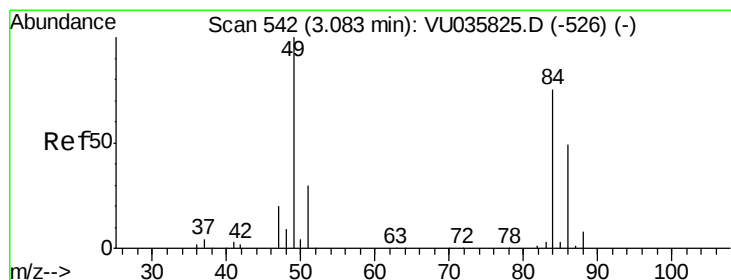
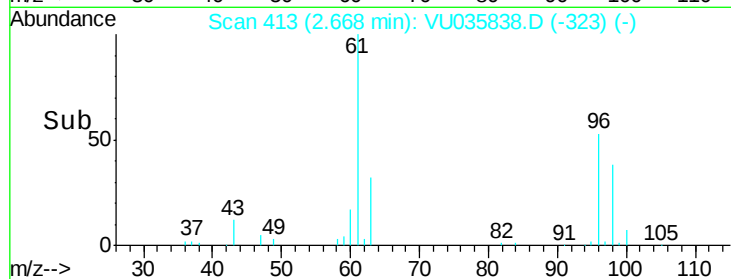
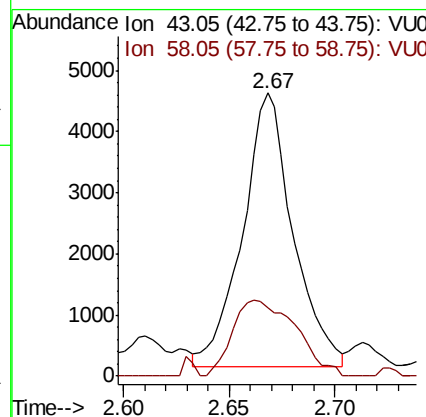
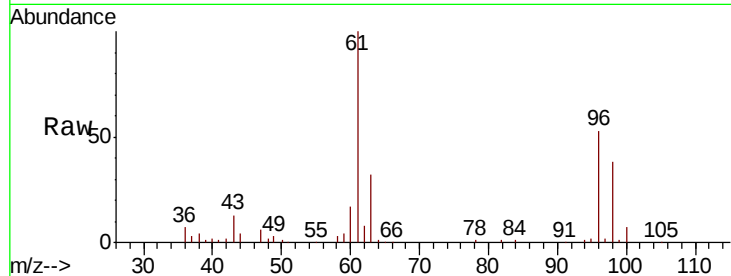
#13
Acetone
Concen: 1.058 ug/L
RT: 2.67 min Scan# 413
Delta R.T. -0.01 min
Lab File: VU035838.D
Acq: 25 Nov 2019 21:21

Instrument :
MSVOA_U
ClientSampled :
GARF0

Tot Ion: 43 Resp: 7453
Ion Ratio Lower Upper
43 100
58 34.7 0.0 61.2

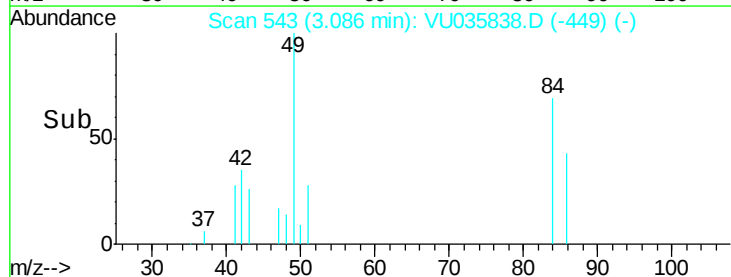
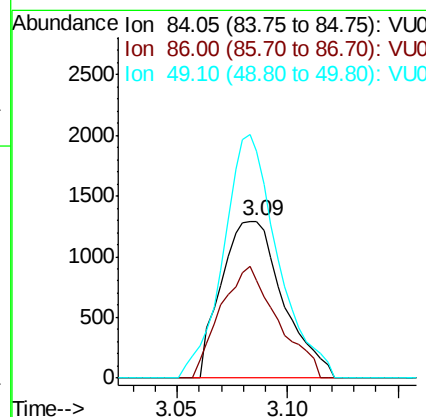
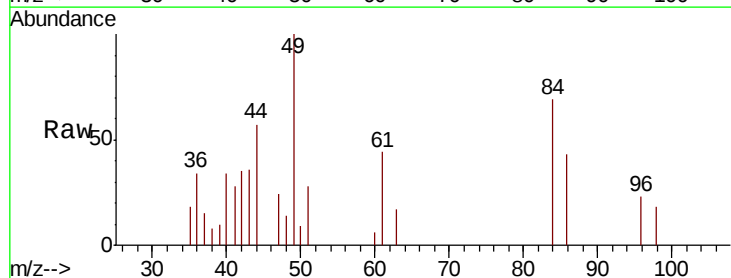
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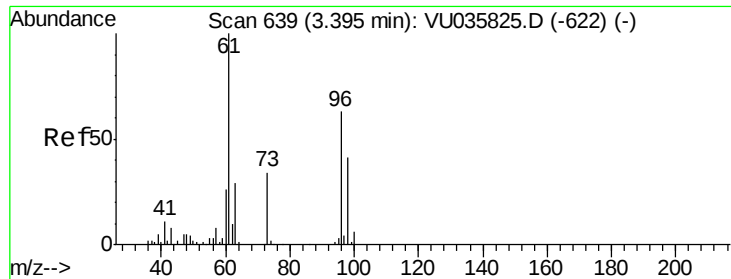
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#16
Methylene chloride
Concen: 0.075 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU035838.D
Acq: 25 Nov 2019 21:21

Tgt Ion: 84 Resp: 2506
Ion Ratio Lower Upper
84 100
86 62.2 44.4 82.5
49 144.5 94.0 174.6





#18

trans-1,2-Dichloroethene

Concen: 36.582 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

Instrument :

MSVOA_U

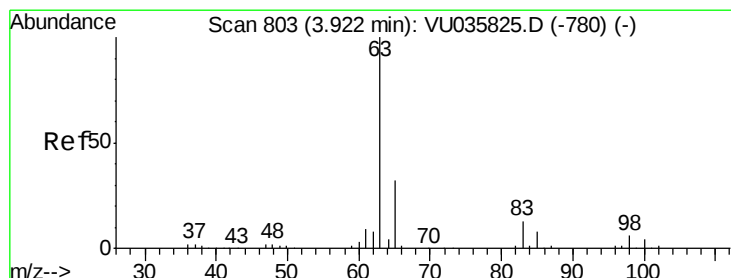
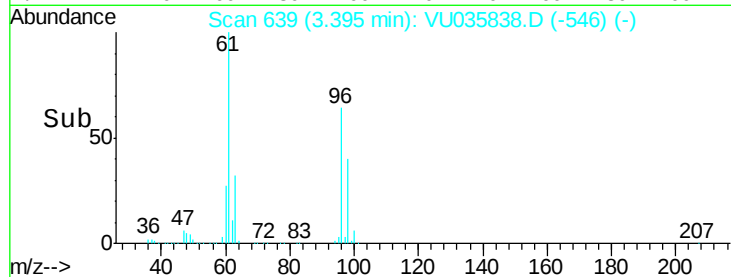
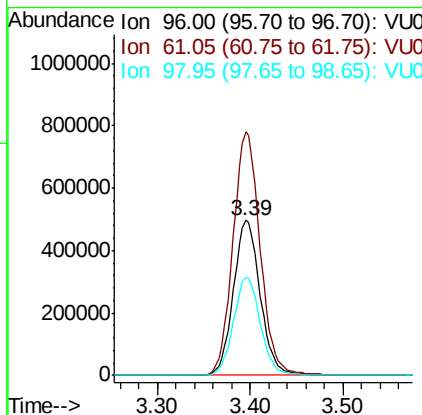
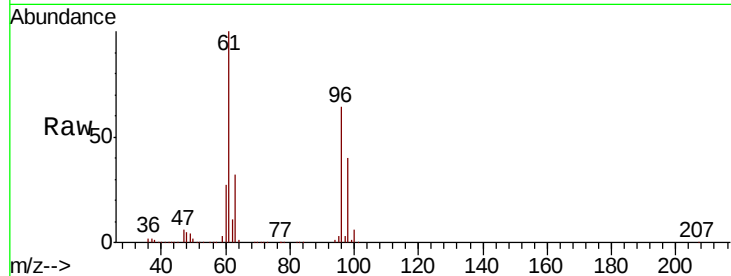
ClientSampleId :

GARF0

Tot Ion:	96	Resp:	994484
Ion	Ratio	Lower	Upper
96	100		
61	157.2	111.1	206.3
98	63.5	43.1	80.1

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#19

1,1-Dichloroethane

Concen: 0.613 ug/L

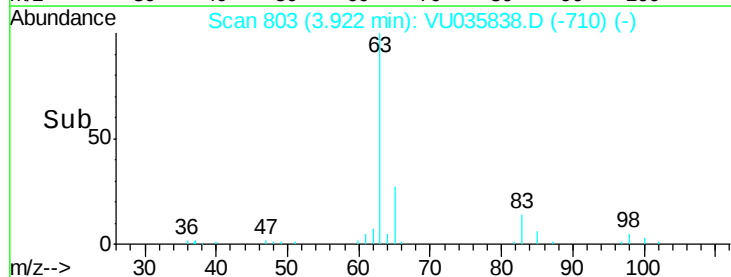
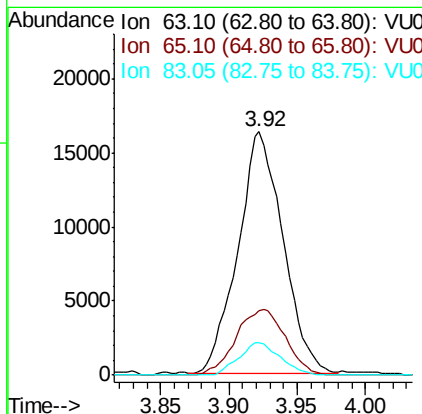
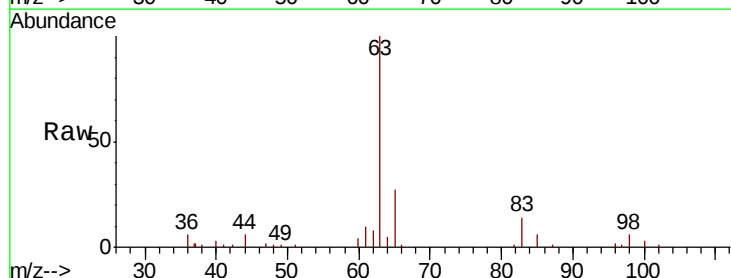
RT: 3.92 min Scan# 803

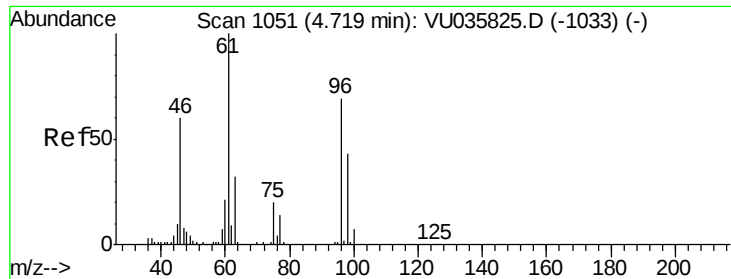
Delta R.T. -0.00 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

Tgt Ion:	63	Resp:	37437
Ion	Ratio	Lower	Upper
63	100		
65	26.6	21.8	40.4
83	13.6	8.6	16.0





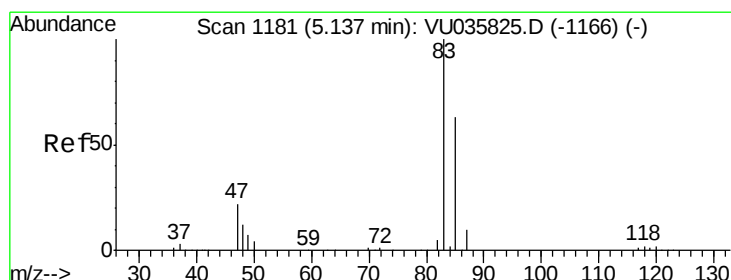
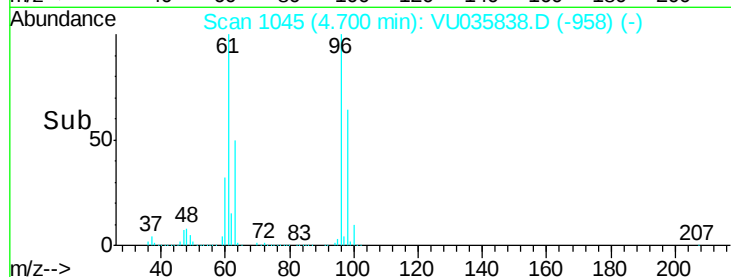
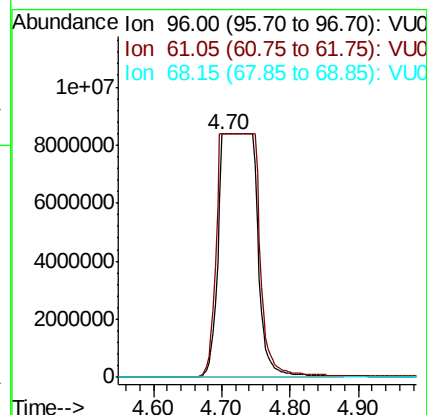
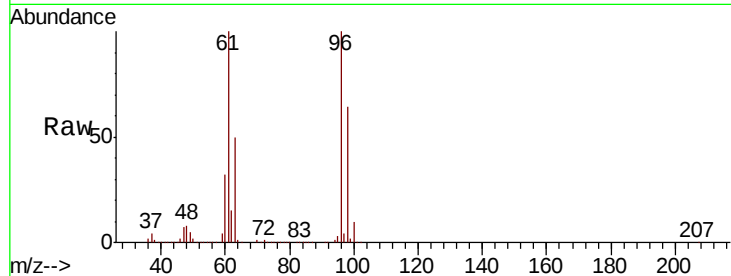
#22
 cis-1,2-Dichloroethene
 Concen: 1064.452 ug/L m
 RT: 4.70 min Scan# 1045
 Delta R.T. -0.02 min
 Lab File: VU035838.D
 Acq: 25 Nov 2019 21:21

Instrument :
 MSVOA_U
 ClientSampleID :
 GARF0

Tot Ion: 96 Resp: 32246183
 Ion Ratio Lower Upper
 96 100
 61 100.0 98.1 182.1
 68 0.0 0.0 0.0

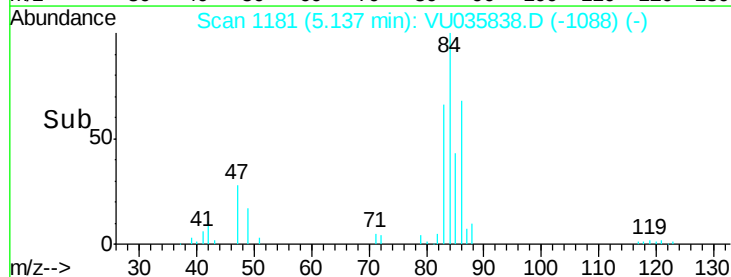
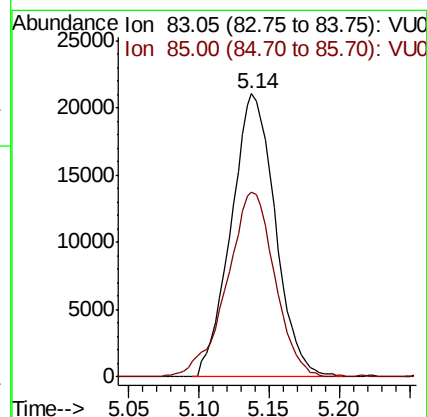
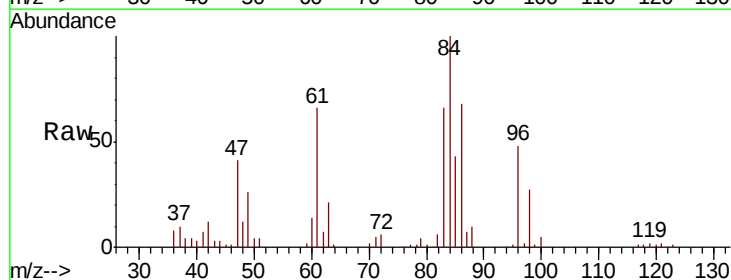
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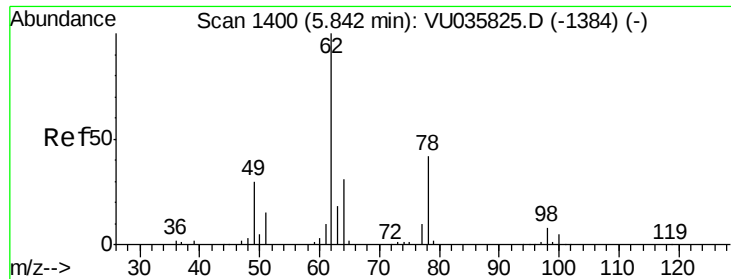
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#25
 Chloroform
 Concen: 0.775 ug/L
 RT: 5.14 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU035838.D
 Acq: 25 Nov 2019 21:21

Tgt Ion: 83 Resp: 46035
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.6 82.8





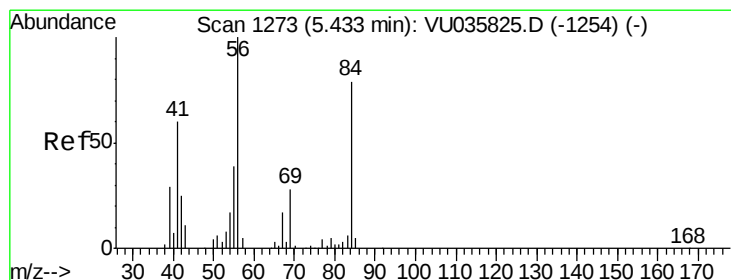
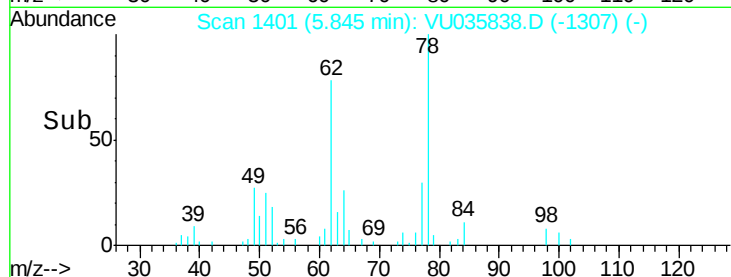
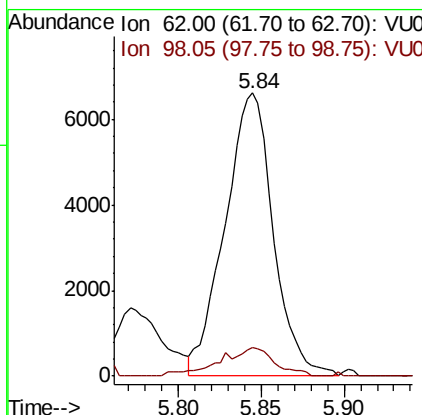
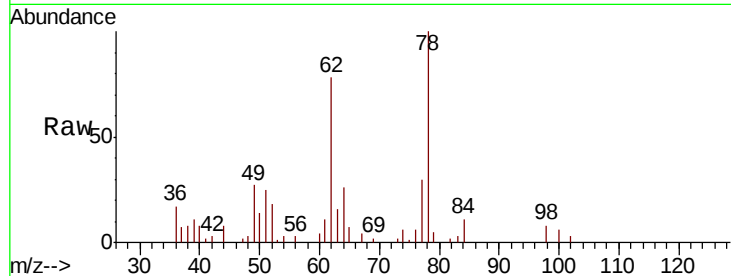
#27
 1,2-Dichloroethane
 Concen: 0.343 ug/L
 RT: 5.84 min Scan# 1401
 Delta R.T. 0.00 min
 Lab File: VU035838.D
 Acq: 25 Nov 2019 21:21

Instrument :
 MSVOA_U
 ClientSampled :
 GARF0

Tot Ion	Ratio	Lower	Upper
62	100		
98	10.1	6.2	9.4#

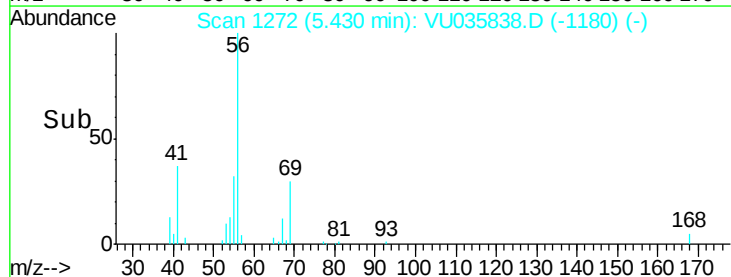
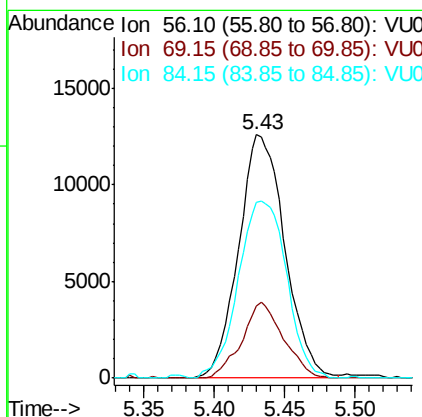
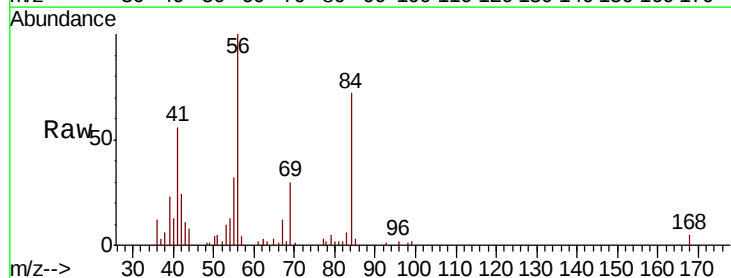
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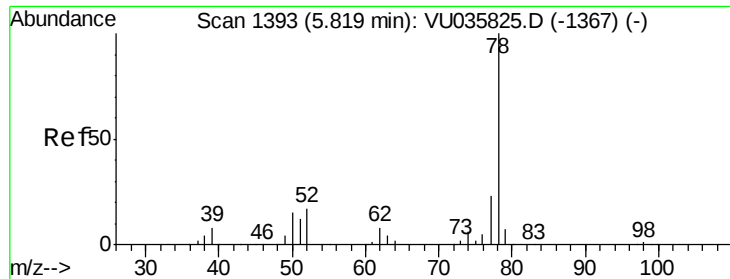
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#30
 Cyclohexane
 Concen: 0.630 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035838.D
 Acq: 25 Nov 2019 21:21

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.0	24.0	36.0
84	76.0	62.1	93.1





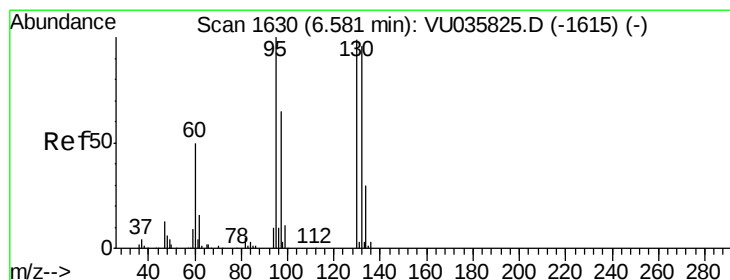
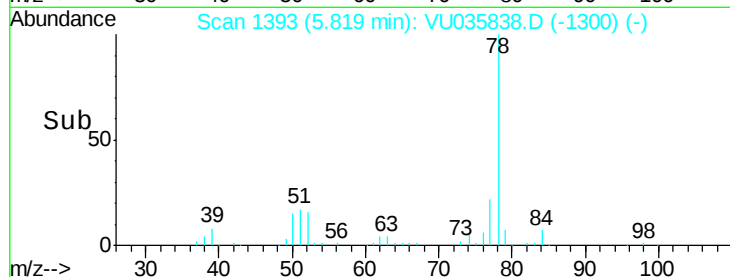
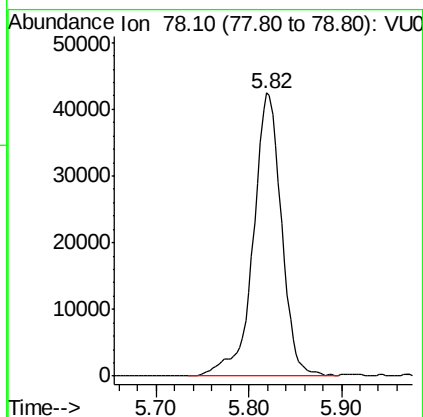
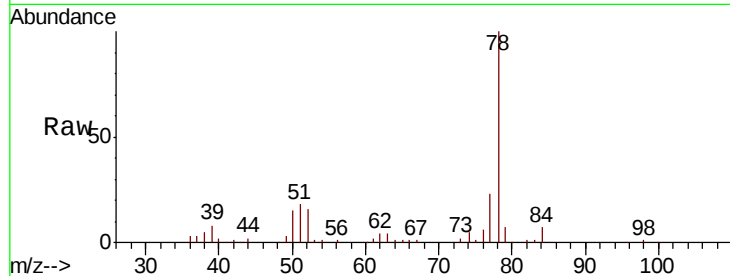
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Benzene
Concen: 0.741 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035838.D
Acq: 25 Nov 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
GARF0

Tgt Ion: 78 Resp: 89747

Manual Integrations
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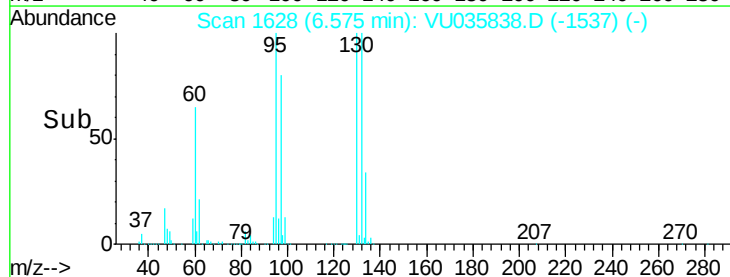
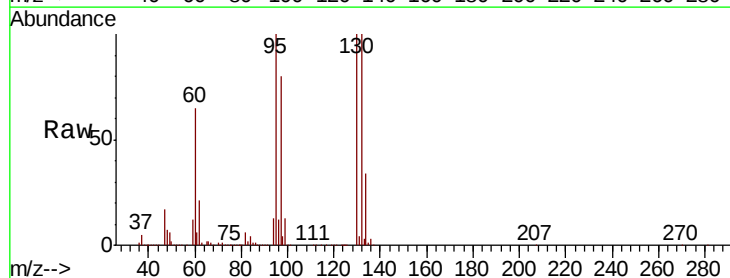
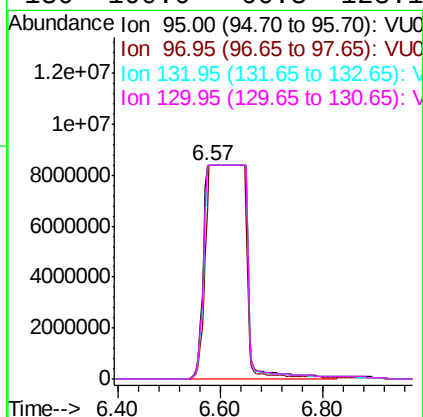
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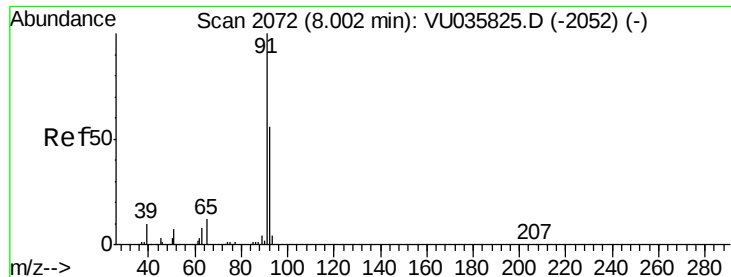


#34
Trichloroethene
Concen: 1602.462 ug/L m
RT: 6.57 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VU035838.D
Acq: 25 Nov 2019 21:21

Tgt Ion: 95 Resp: 47570292

Ion	Ratio	Lower	Upper
95	100		
97	80.2	45.1	83.9
132	100.0	61.9	114.9
130	100.0	66.3	123.1





#42

Toluene

Concen: 0.097 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

Instrument :

MSVOA_U

ClientSampled :

GARFO

Tot Ion: 91 Resp: 12190

Ion Ratio Lower Upper

91 100

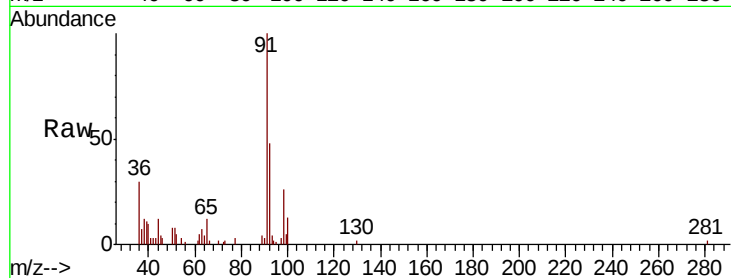
92 48.1 40.4 75.0

Manual Integrations

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11/27/2019 3:25:39 PM



Abundance Ion 91.15 (90.85 to 91.85): VU035838.D (-1979) (-)

Ion 92.15 (91.85 to 92.85): VU035838.D (-1979) (-)

8.00

8000

6000

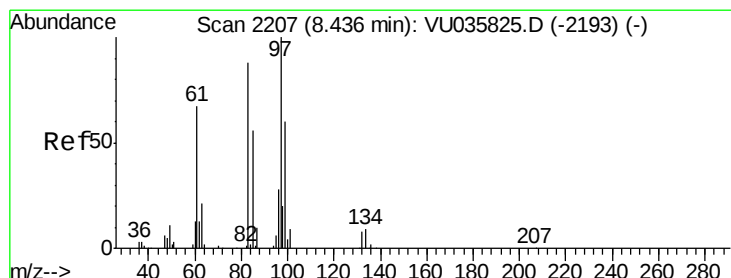
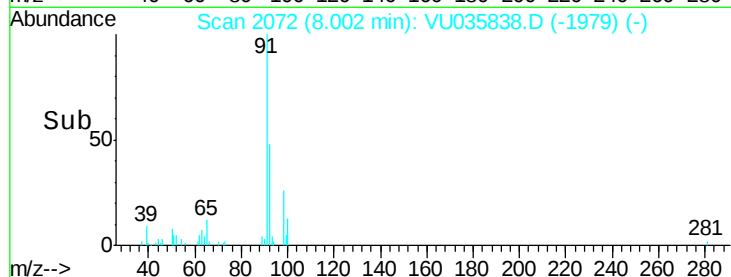
4000

2000

0

7.95 8.00 8.05

Time-->



#45

1,1,2-Trichloroethane

Concen: 1.844 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

Tgt Ion: 97 Resp: 41270

Ion Ratio Lower Upper

97 100

99 58.8 44.2 82.0

83 88.6 62.2 115.6

85 57.2 41.5 77.1

Abundance Ion 96.95 (96.65 to 97.65): VU035838.D (-2114) (-)

Ion 99.05 (98.75 to 99.75): VU035838.D (-2114) (-)

Ion 82.95 (82.65 to 83.65): VU035838.D (-2114) (-)

Ion 85.00 (84.70 to 85.70): VU035838.D (-2114) (-)

8.43

30000

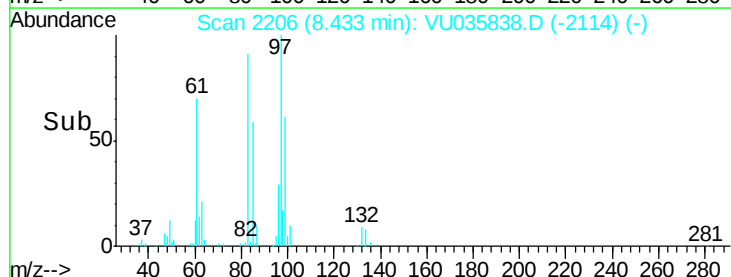
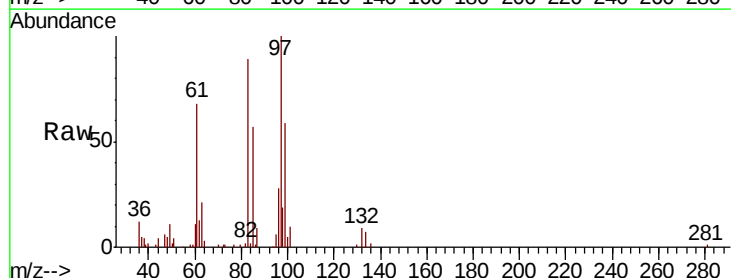
20000

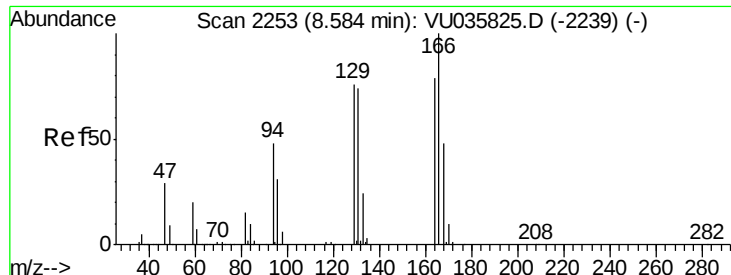
10000

0

8.35 8.40 8.45 8.50

Time-->





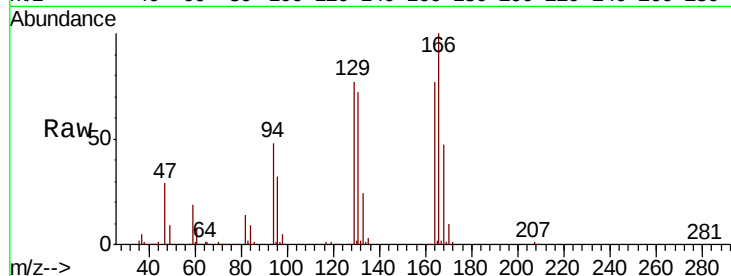
#47
Tetrachloroethene
Concen: 6.904 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035838.D
Acq: 25 Nov 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
GARF0

Tot Ion	Ratio	Resp Lower	Upper
164	100		
129	99.0	68.8	127.8
131	93.1	67.3	124.9
166	129.3	91.6	170.2

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

