

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032519\
 Data File : VU030422.D
 Acq On : 25 Mar 2019 23:02
 Operator : JC/SP
 Sample : K2062-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1A1

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 1:37:17 PM

Quant Time: Mar 26 04:09:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 01:25:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	456844	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	423351	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	171054	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	191561	52.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.20%
7) Chloroethane-d5	1.68	69	150259	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.12%
11) 1,1-Dichloroethene-d2	2.27	63	259576m	37.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.44%
21) 2-Butanone-d5	4.17	46	320141	92.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.63%
24) Chloroform-d	4.64	84	297439	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
26) 1,2-Dichloroethane-d4	5.31	65	202628	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.76%
32) Benzene-d6	5.34	84	620289	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.18%
36) 1,2-Dichloropropane-d6	6.33	67	217919	52.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.92%
41) Toluene-d8	7.56	98	524041	48.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.12%
43) trans-1,3-Dichloropropene-	7.85	79	88326	45.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.44%
47) 2-Hexanone-d5	8.31	63	194065	86.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	276344	46.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	171620	50.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	16401	3.068	ug/L	# 65
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	11055	3.316	ug/L	87
13) Acetone	2.32	43	35249	10.085	ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	4527	1.320	ug/L	96
20) cis-1,2-Dichloroethene	4.22	96	419311	109.031	ug/L	96
34) Trichloroethene	6.18	95	324052	91.469	ug/L	97
46) Tetrachloroethene	8.23	164	2298	0.929	ug/L	85

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

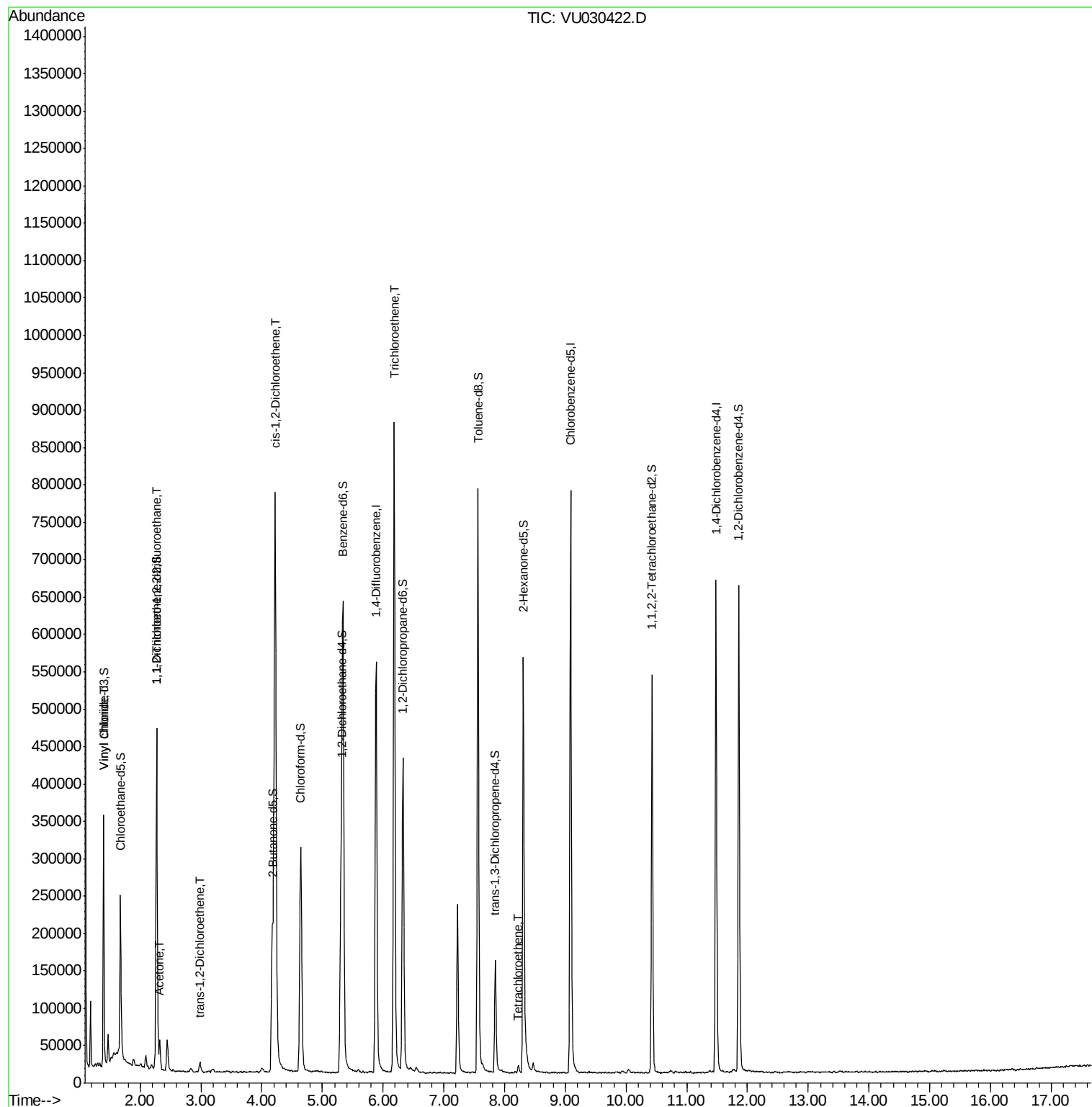
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032519\
Data File : VU030422.D
Acq On : 25 Mar 2019 23:02
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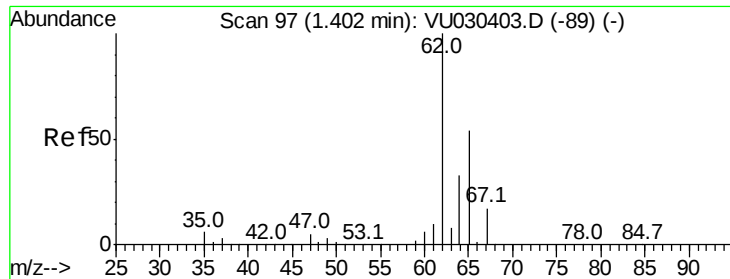
Instrument :
MSVOA_U
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Quant Time: Mar 26 04:09:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 01:25:56 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.068 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030422.D

Acq: 25 Mar 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

BF1A1

Tot Ion: 62 Resp: 16401

Ion Ratio Lower Upper

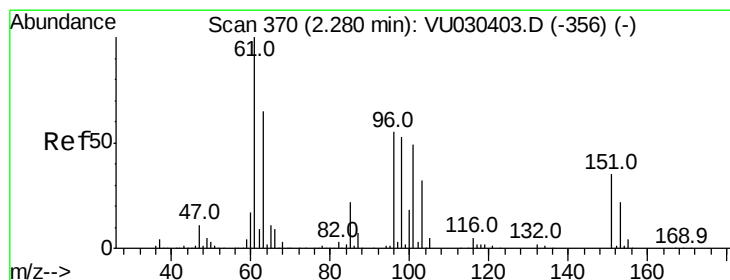
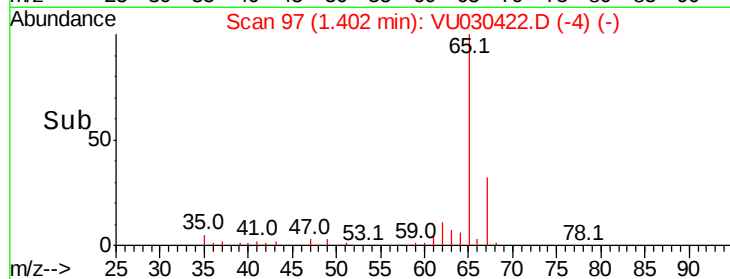
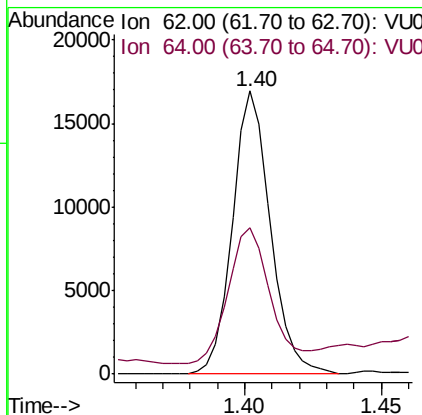
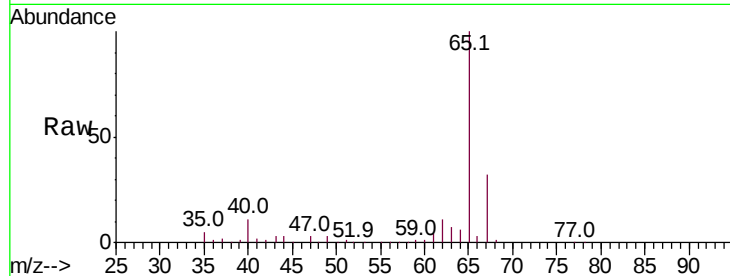
62 100

64 51.8 22.6 42.0#

Manual Integrations
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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 3.316 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030422.D

Acq: 25 Mar 2019 23:02

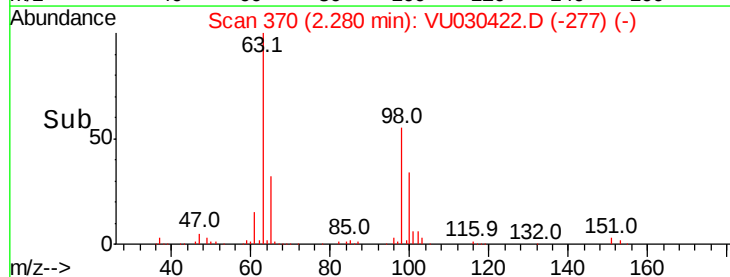
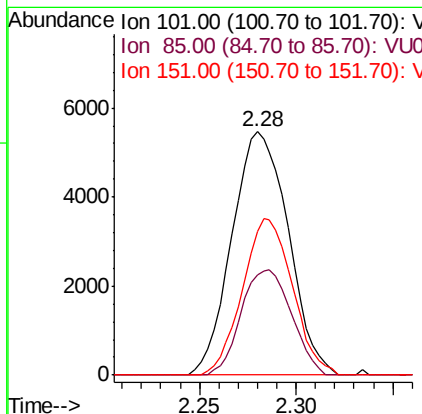
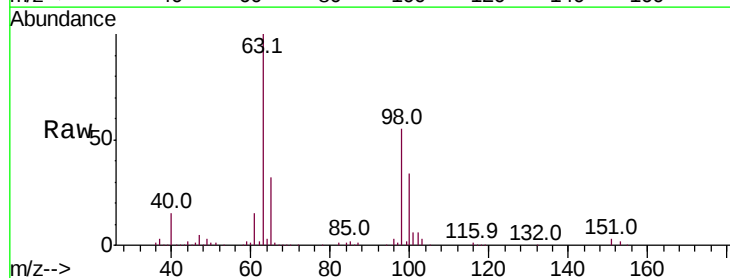
Tgt Ion: 101 Resp: 11055

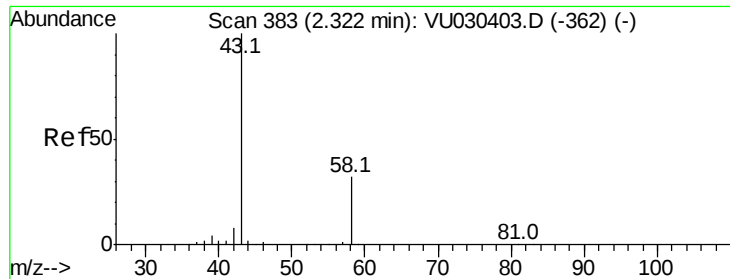
Ion Ratio Lower Upper

101 100

85 38.7 34.8 52.2

151 57.2 56.6 85.0





#13

Acetone

Concen: 10.085 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030422.D

Acq: 25 Mar 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

BF1A1

Tot Ion: 43 Resp: 35249

Ion Ratio Lower Upper

43 100

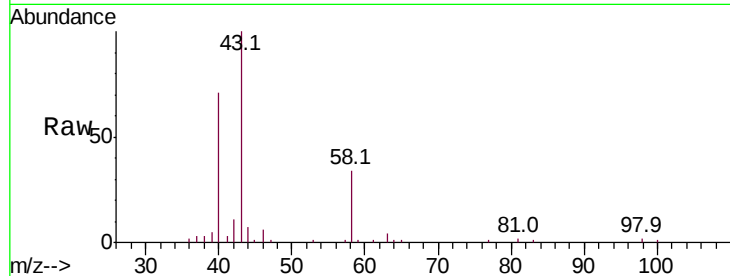
58 33.6 0.0 62.8

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Abundance Ion 43.00 (42.70 to 43.70): VU030403.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030403.D (-362) (-)

25000

20000

15000

10000

5000

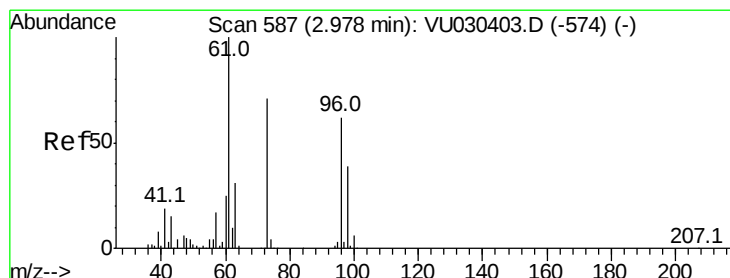
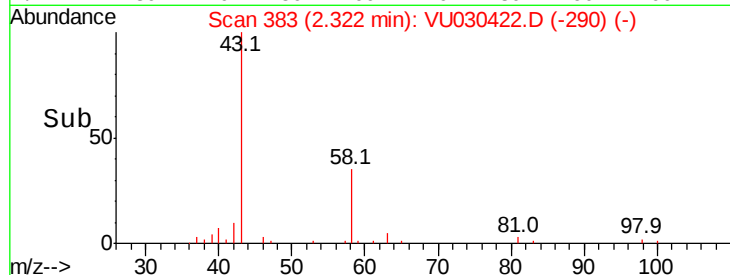
0

Time-->

2.25

2.30

2.35



#17

trans-1,2-Dichloroethene

Concen: 1.320 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU030422.D

Acq: 25 Mar 2019 23:02

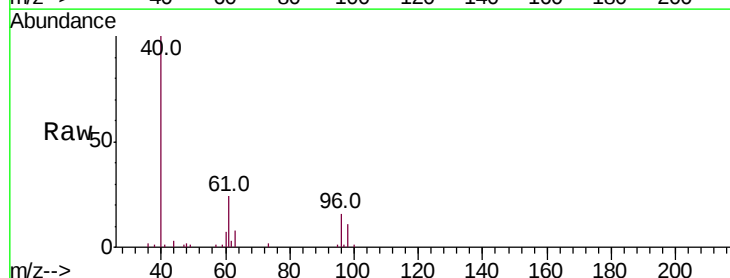
Tgt Ion: 96 Resp: 4527

Ion Ratio Lower Upper

96 100

61 151.9 108.6 201.8

98 67.6 42.3 78.5



Abundance Ion 96.00 (95.70 to 96.70): VU030403.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU030403.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU030403.D (-574) (-)

5000

4000

3000

2000

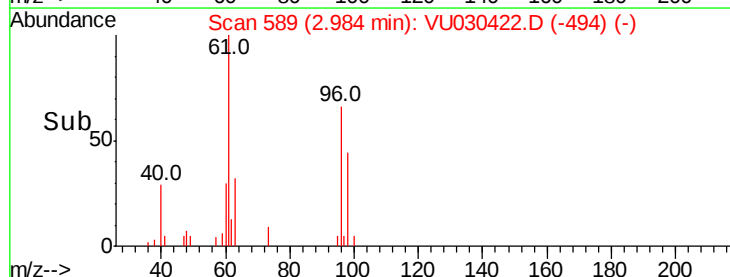
1000

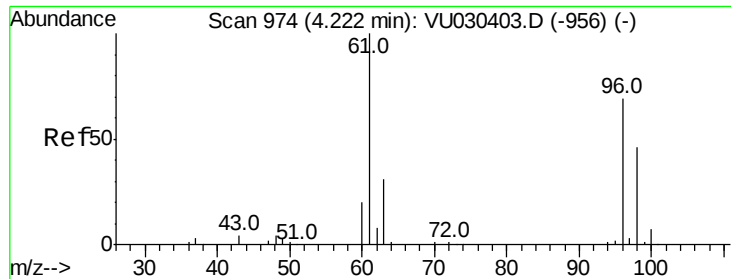
0

Time-->

2.95

3.00





#20

cis-1,2-Dichloroethene

Concen: 109.031 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU030422.D

Acq: 25 Mar 2019 23:02

Instrument :

MSVOA_U

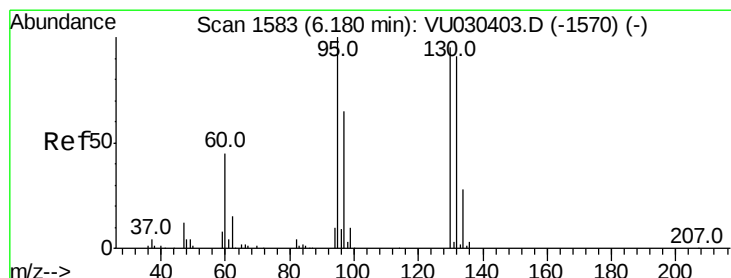
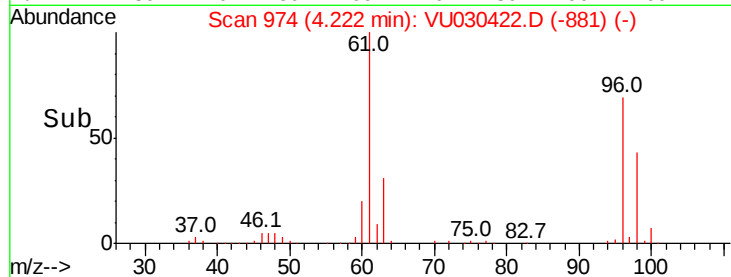
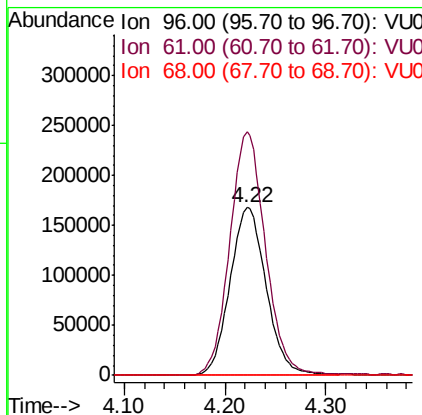
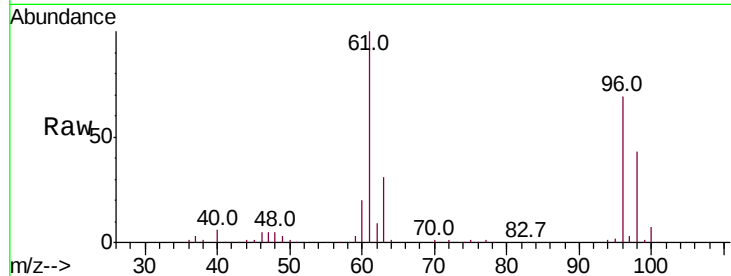
ClientSampleId :

BF1A1

Tot Ion:	96	Resp:	419311
Ion	Ratio	Lower	Upper
96	100		
61	144.9	98.4	182.8
68	0.0	0.0	0.0

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#34

Trichloroethene

Concen: 91.469 ug/L

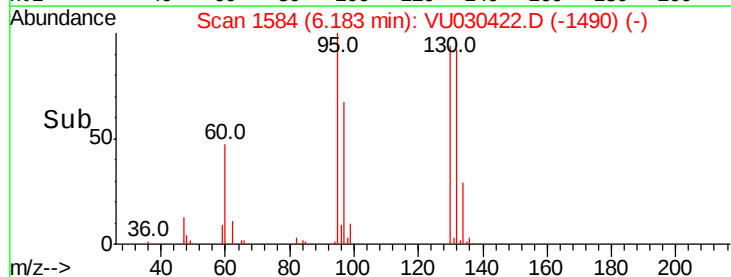
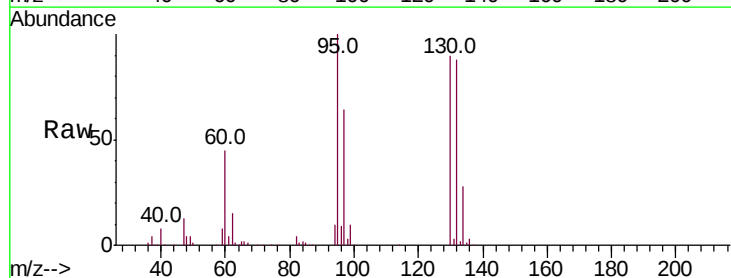
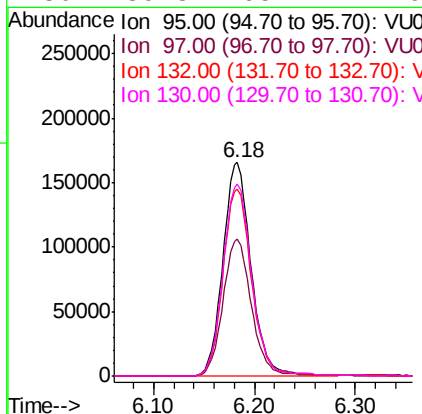
RT: 6.18 min Scan# 1584

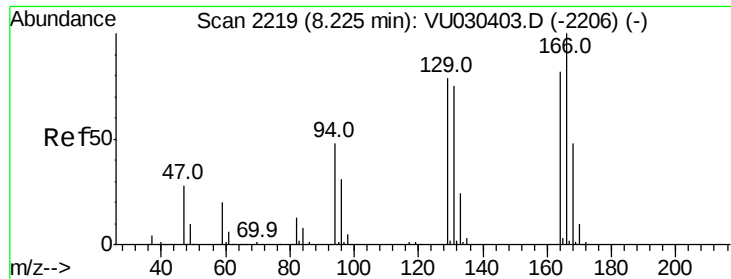
Delta R.T. 0.00 min

Lab File: VU030422.D

Acq: 25 Mar 2019 23:02

Tgt Ion:	95	Resp:	324052
Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.7	84.9
132	87.8	63.8	118.4
130	89.8	65.7	121.9





#46
 Tetrachloroethene
 Concen: 0.929 ug/L
 RT: 8.23 min Scan# 2220
 Delta R.T. 0.00 min
 Lab File: VU030422.D
 Acq: 25 Mar 2019 23:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1A1

Tot Ion	Ratio	Lower	Upper
164	100		
129	119.8	68.1	126.5
131	102.5	67.7	125.7
166	149.6	92.4	171.6

Manual Integrations
 APPROVED

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 3/26/2019 1:37:17 PM

