

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120519\
 Data File : VU035998.D
 Acq On : 05 Dec 2019 16:46
 Operator : JC/SP
 Sample : K6105-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE33

Manual Integrations
 APPROVED

apatel
 12/9/2019 10:25:42 AM

Quant Time: Dec 06 01:49:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 06 00:57:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	278013	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	301580	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	91169	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123785	3.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.20%
7) Chloroethane-d5	1.93	69	107507	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.60	63	389628	8.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	171.20%#
20) 2-Butanone-d5	4.69	46	248230	44.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.46%
24) Chloroform-d	5.11	84	198738	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.75	65	107275	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.77	84	391594	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.73	67	126947	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	7.93	98	321444	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.20%
43) trans-1,3-Dichloropropene-	8.21	79	45919	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.68	63	197128	42.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.82%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	105182	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	95911	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	90734	4.246	ug/L	94
12) 1,1-Dichloroethene	2.61	96	477136	23.948	ug/L #	71
13) Acetone	2.67	43	6598	1.300	ug/L	92
17) Methyl tert-butyl Ether	3.42	73	25796	0.553	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	2742m	0.130	ug/L	
19) 1,1-Dichloroethane	3.92	63	134442	3.260	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	273394	12.266	ug/L	91
25) Chloroform	5.14	83	25869	0.622	ug/L	95
27) 1,2-Dichloroethane	5.84	62	8880	0.334	ug/L	95
29) 1,1,1-Trichloroethane	5.36	97	271929	7.455	ug/L	98
31) Carbon tetrachloride	5.56	117	3300	0.102	ug/L	93
34) Trichloroethene	6.58	95	3475839	144.929	ug/L	96
45) 1,1,2-Trichloroethane	8.44	97	2741	0.157	ug/L	91
47) Tetrachloroethene	8.58	164	640002	32.833	ug/L	95

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

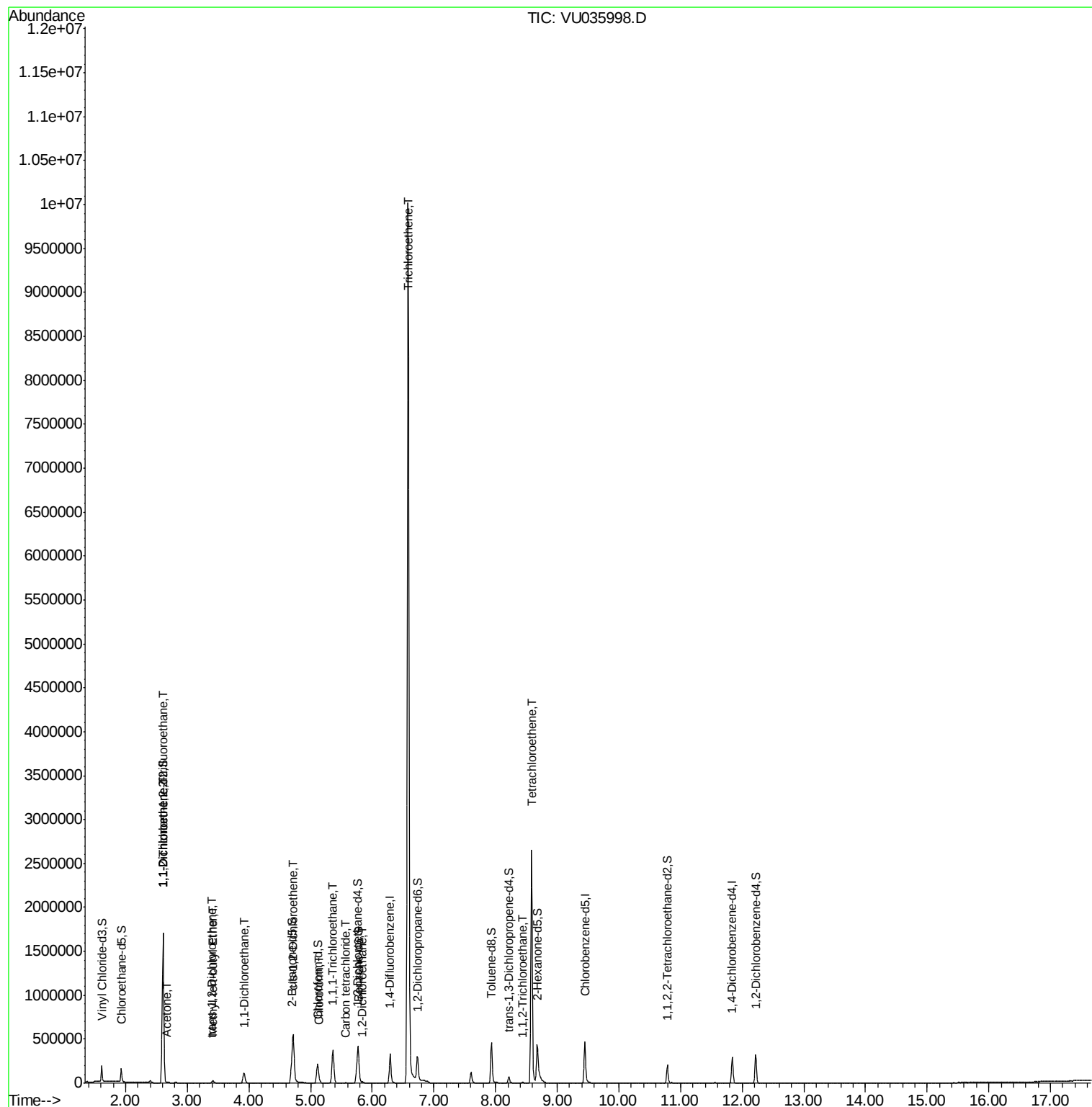
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120519\
Data File : VU035998.D
Acq On : 05 Dec 2019 16:46
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ALS Vial : 13 Sample Multiplier: 1

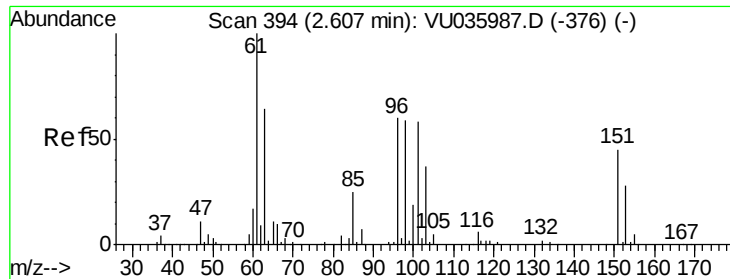
Instrument :
MSVOA_U
ClientSampleId :
BFE33

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Quant Time: Dec 06 01:49:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 00:57:26 2019
Response via : Initial Calibration





#10

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

Concen: 4.246 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035998.D

Acq: 05 Dec 2019 16:46

Instrument :

MSVOA_U

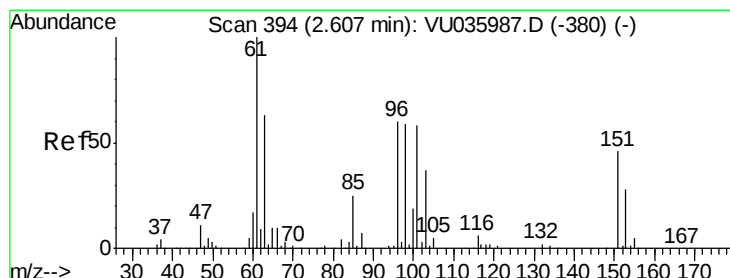
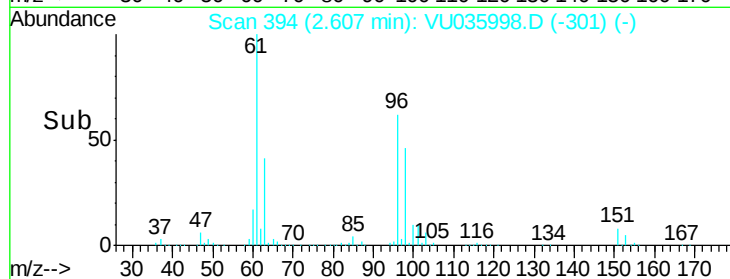
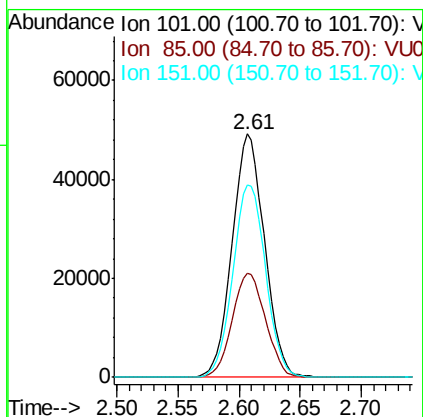
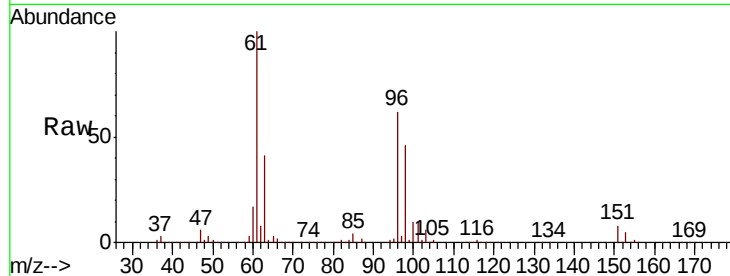
ClientSampled :

BFE33

Tot Ion:	101	Resp:	90734
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.5	53.3
151	79.9	57.5	86.3

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#12

1,1-Dichloroethene

Concen: 23.948 ug/L

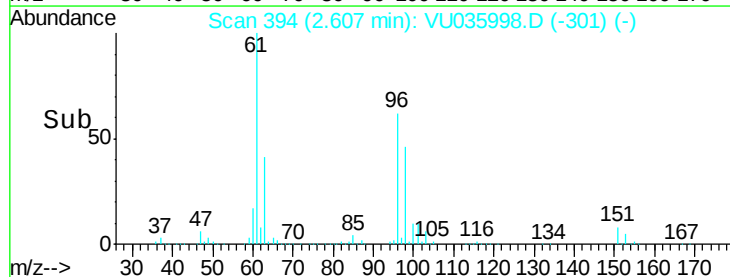
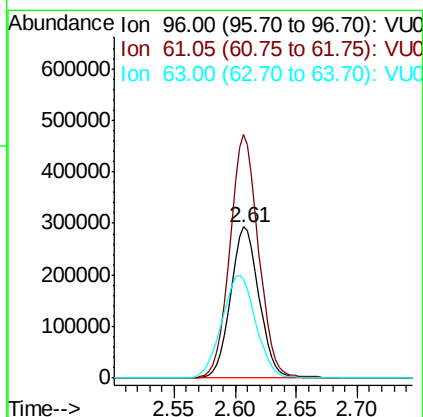
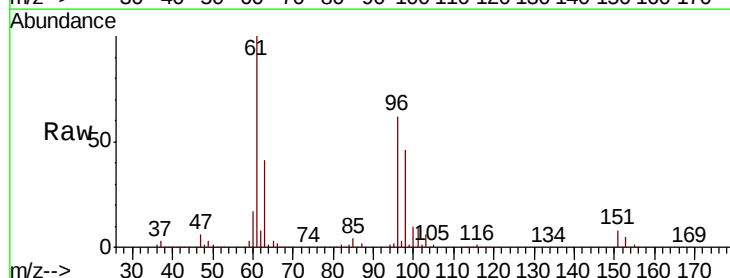
RT: 2.61 min Scan# 394

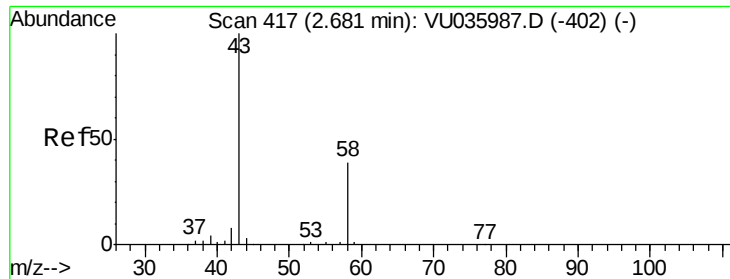
Delta R.T. 0.00 min

Lab File: VU035998.D

Acq: 05 Dec 2019 16:46

Tgt Ion:	96	Resp:	477136
Ion Ratio	Lower	Upper	
96	100		
61	160.8	127.1	236.1
63	65.1	86.0	159.8#





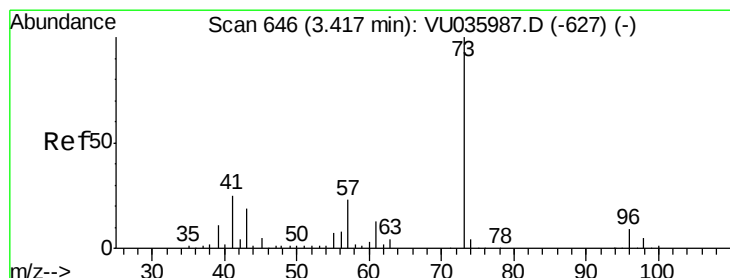
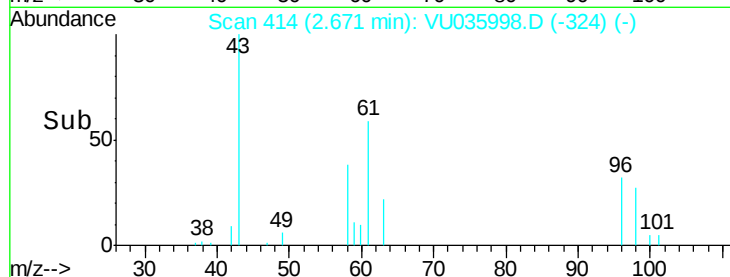
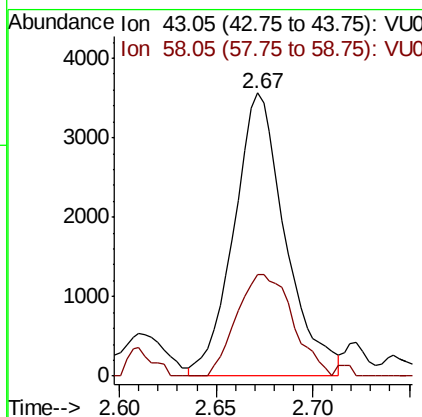
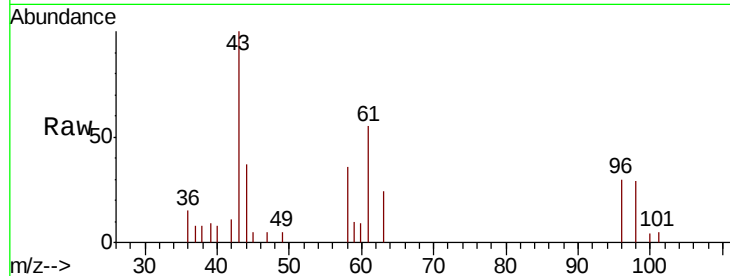
#13
Acetone
Concen: 1.300 ug/L
RT: 2.67 min Scan# 414
Delta R.T. -0.01 min
Lab File: VU035998.D
Acq: 05 Dec 2019 16:46

Instrument :
MSVOA_U
ClientSampleId :
BFE33

Tot Ion: 43 Resp: 6598
Ion Ratio Lower Upper
43 100
58 38.9 0.0 68.6

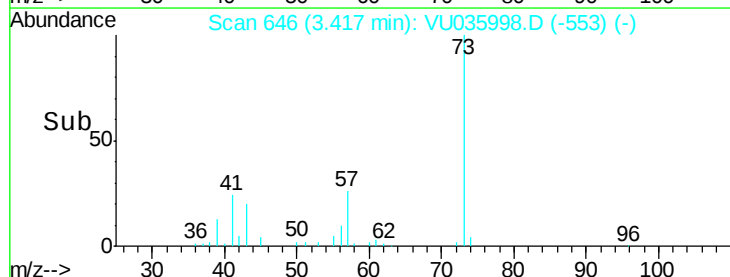
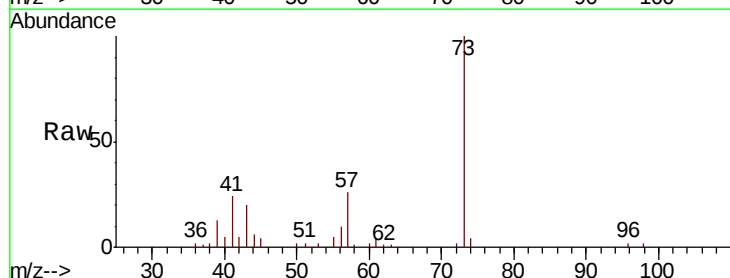
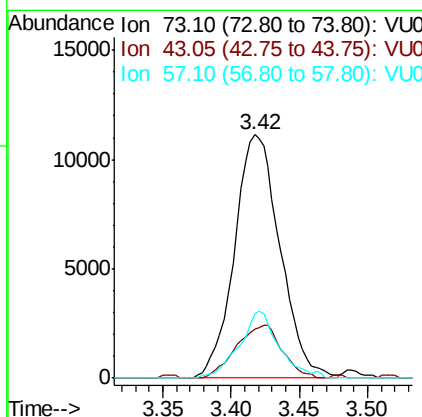
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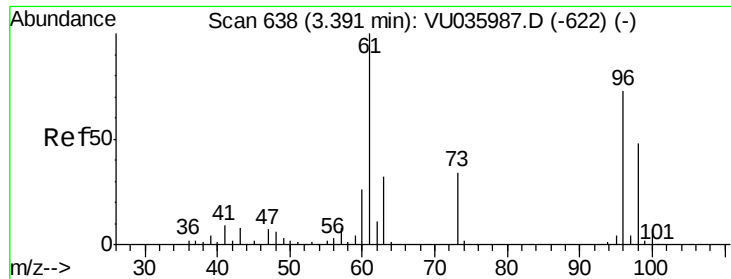
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#17
Methyl tert-butyl Ether
Concen: 0.553 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU035998.D
Acq: 05 Dec 2019 16:46

Tgt Ion: 73 Resp: 25796
Ion Ratio Lower Upper
73 100
43 21.9 15.9 23.9
57 23.9 18.8 28.2





#18

trans-1,2-Dichloroethene

Concen: 0.130 ug/L m

RT: 3.39 min Scan# 636

Delta R.T. -0.01 min

Lab File: VU035998.D

Acq: 05 Dec 2019 16:46

Instrument :

MSVOA_U

ClientSampled :

BFE33

Tot Ion: 96 Resp: 2742

Ion Ratio Lower Upper

96 100

61 112.3 101.2 187.8

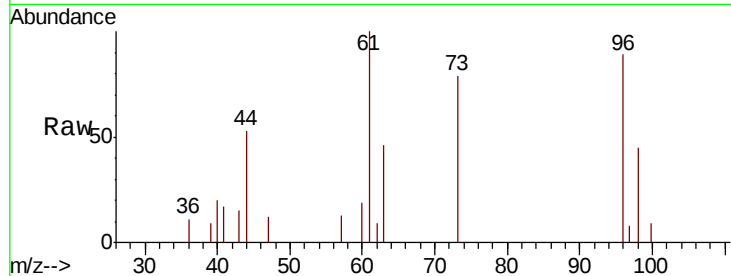
98 50.5 45.0 83.6

Manual Integrations

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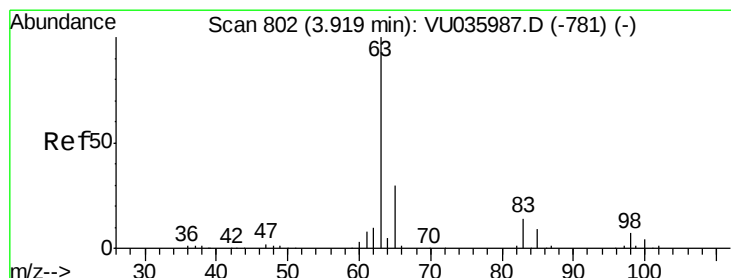
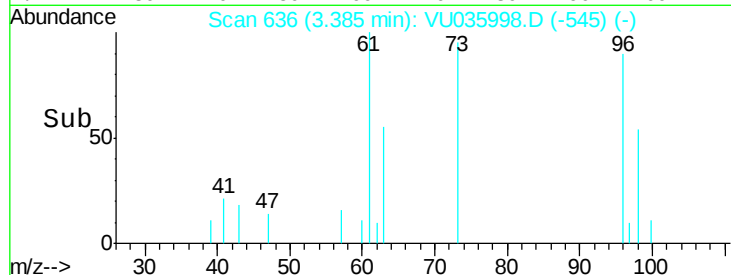
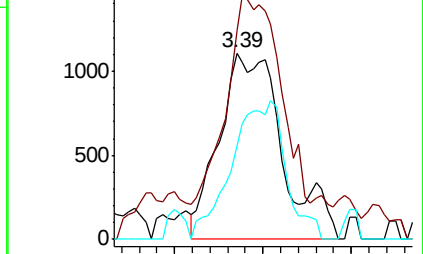
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Abundance Ion 96.00 (95.70 to 96.70): VU035998.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035998.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035998.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 3.260 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035998.D

Acq: 05 Dec 2019 16:46

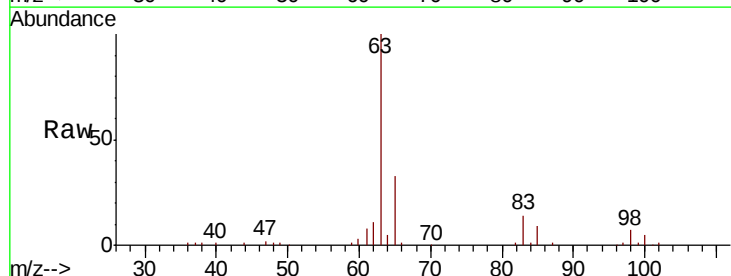
Tgt Ion: 63 Resp: 134442

Ion Ratio Lower Upper

63 100

65 33.3 22.4 41.6

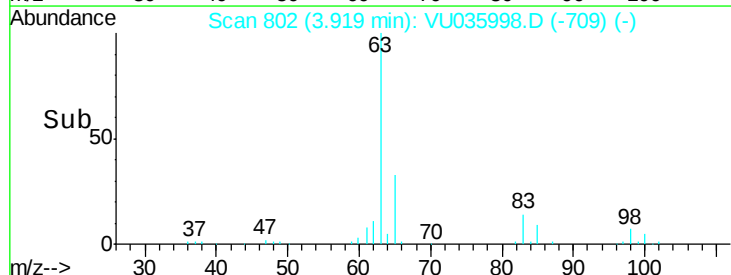
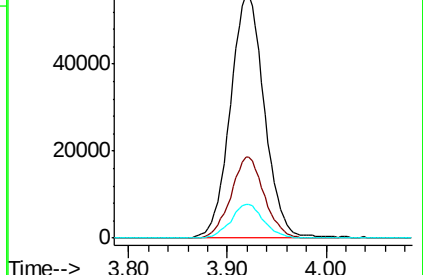
83 14.0 9.8 18.2

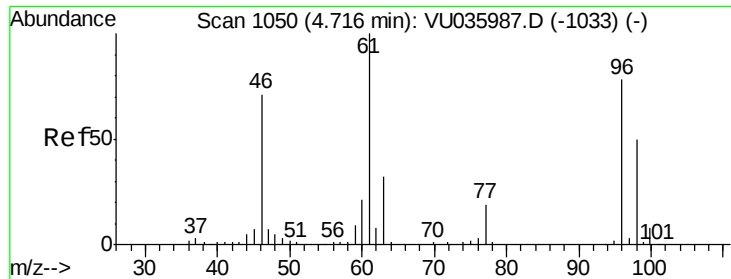


Abundance Ion 63.10 (62.80 to 63.80): VU035998.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035998.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035998.D (-709) (-)





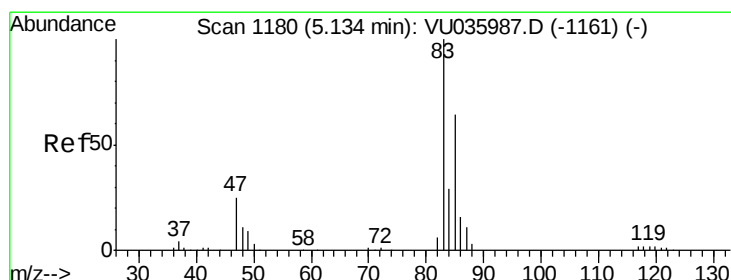
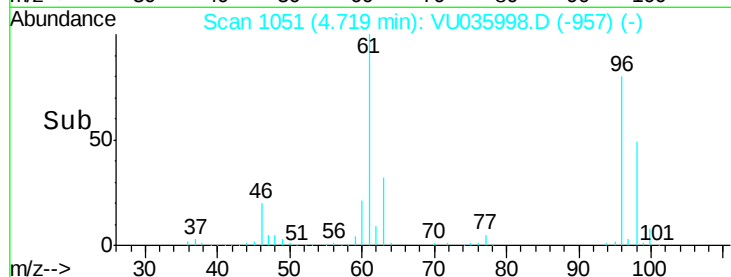
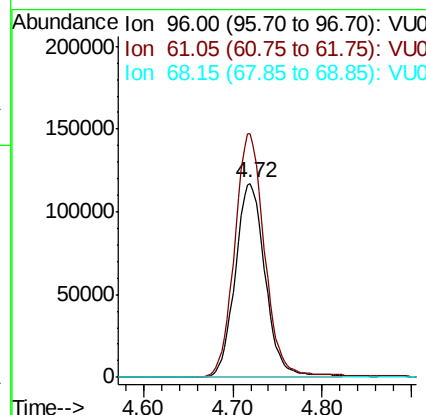
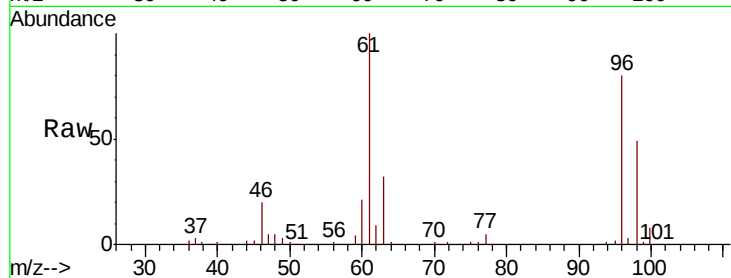
#22
 cis-1,2-Dichloroethene
 Concen: 12.266 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035998.D
 Acq: 05 Dec 2019 16:46

Instrument :
 MSVOA_U
 ClientSampled :
 BFE33

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.3	95.7	177.7
68	0.0	0.0	0.0

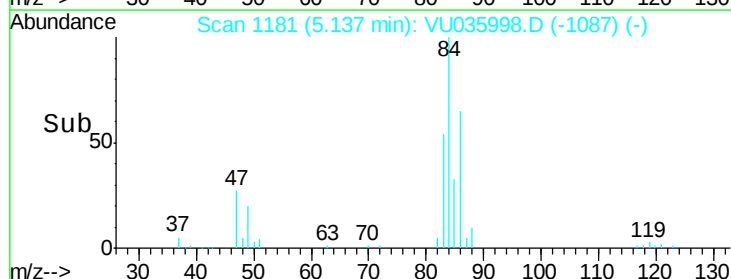
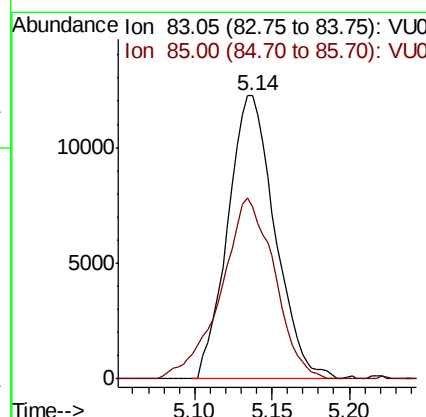
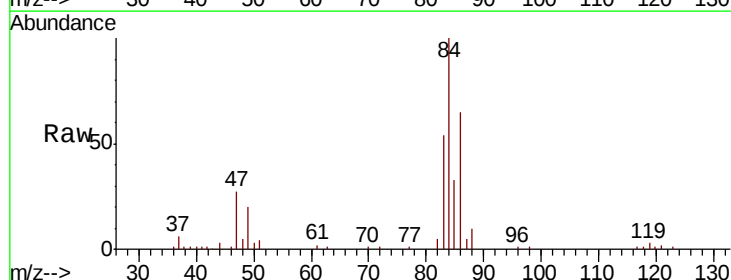
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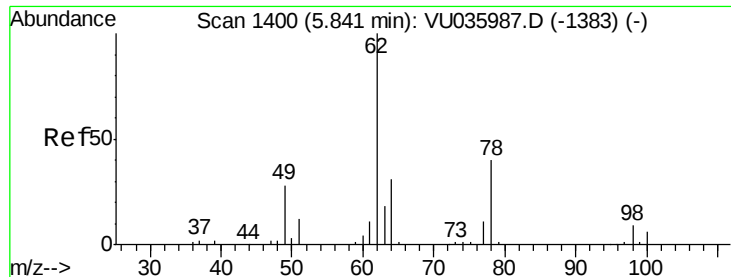
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#25
 Chloroform
 Concen: 0.622 ug/L
 RT: 5.14 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU035998.D
 Acq: 05 Dec 2019 16:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	45.4	84.2





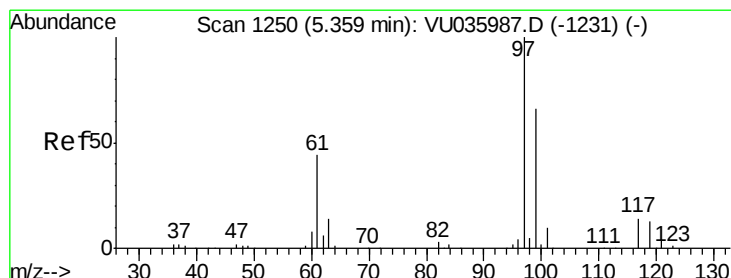
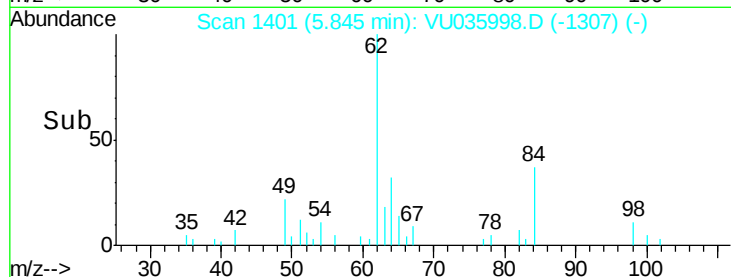
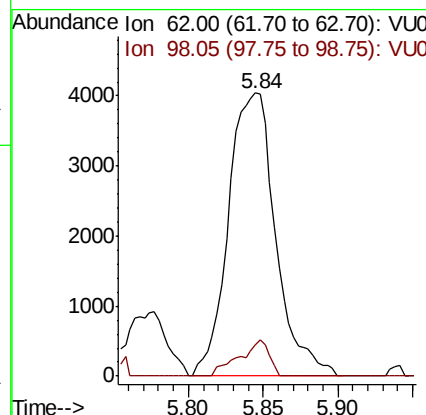
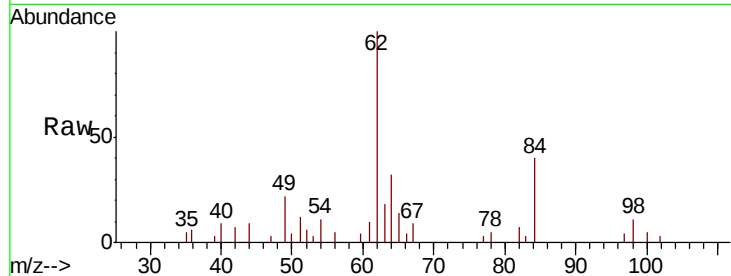
#27
 1,2-Dichloroethane
 Concen: 0.334 ug/L
 RT: 5.84 min Scan# 1401
 Delta R.T. 0.00 min
 Lab File: VU035998.D
 Acq: 05 Dec 2019 16:46

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE33

Tot Ion	Ratio	Lower	Upper
62	100		
98	11.2	7.6	11.4

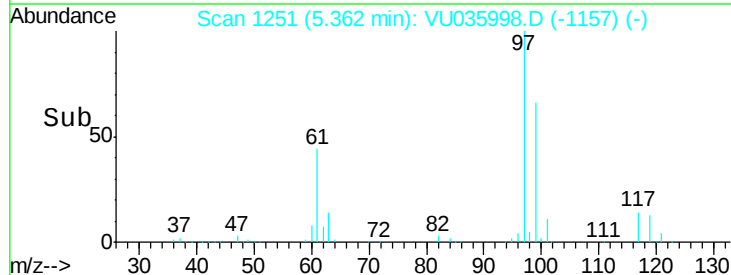
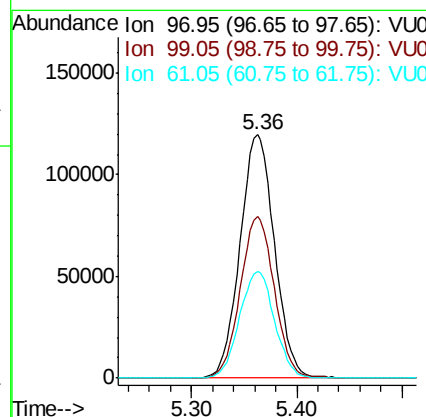
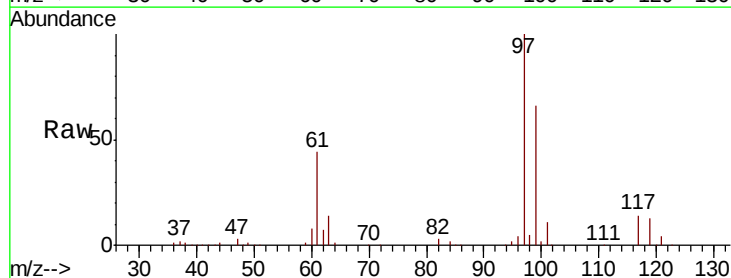
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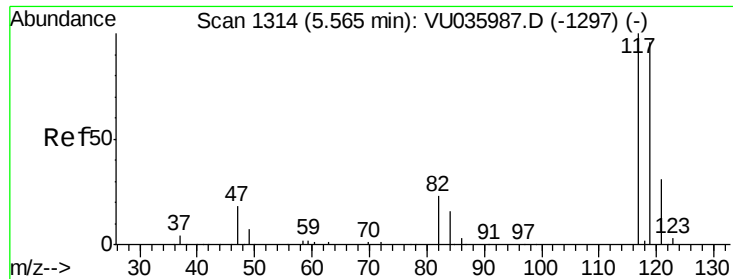
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#29
 1,1,1-Trichloroethane
 Concen: 7.455 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035998.D
 Acq: 05 Dec 2019 16:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.8	77.8
61	44.5	37.6	56.4





#31

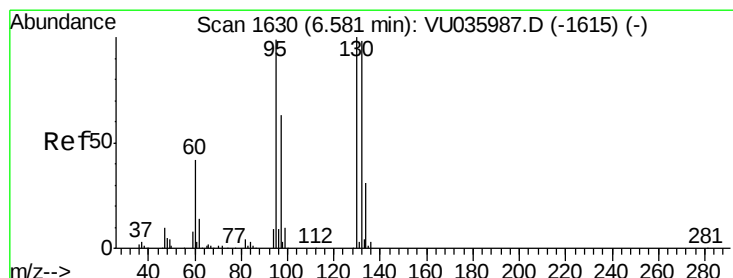
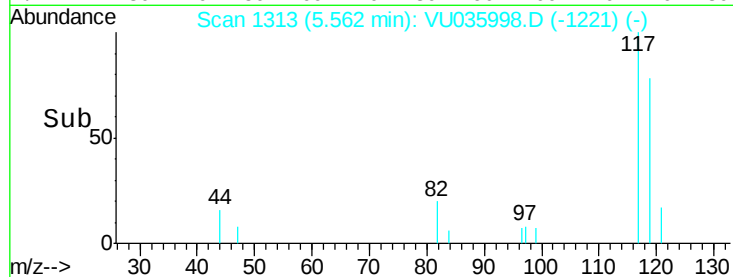
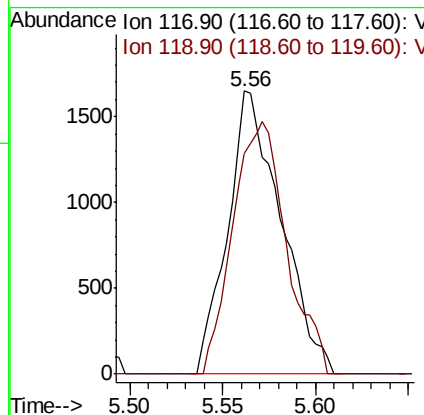
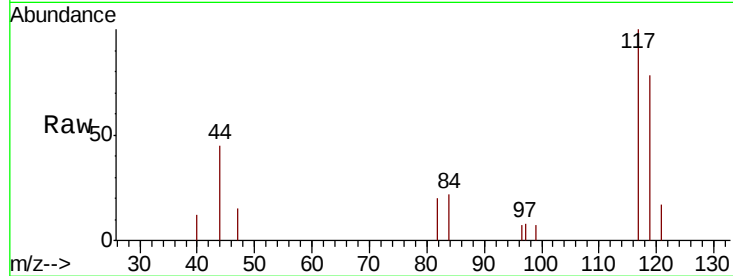
Carbon tetrachloride
Concen: 0.102 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. -0.00 min
Lab File: VU035998.D
Acq: 05 Dec 2019 16:46

Instrument :
MSVOA_U
ClientSampleId :
BFE33

Tot Ion:117 Resp: 3300
Ion Ratio Lower Upper
117 100
119 89.7 76.9 115.3

Manual Integrations
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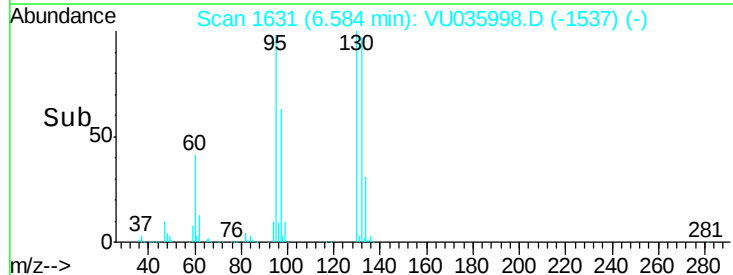
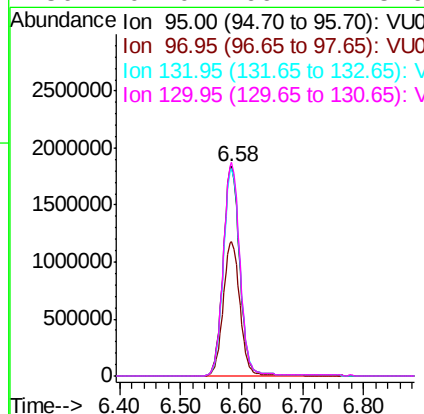
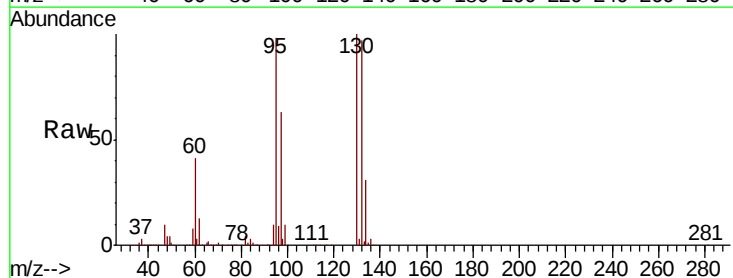
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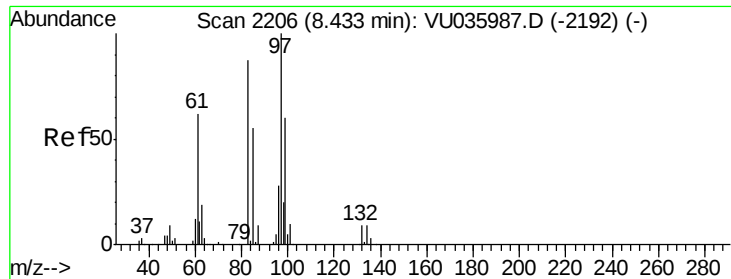


#34

Trichloroethene
Concen: 144.929 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035998.D
Acq: 05 Dec 2019 16:46

Tgt Ion: 95 Resp: 3475839
Ion Ratio Lower Upper
95 100
97 64.1 46.3 85.9
132 99.2 65.7 122.1
130 102.0 69.2 128.6





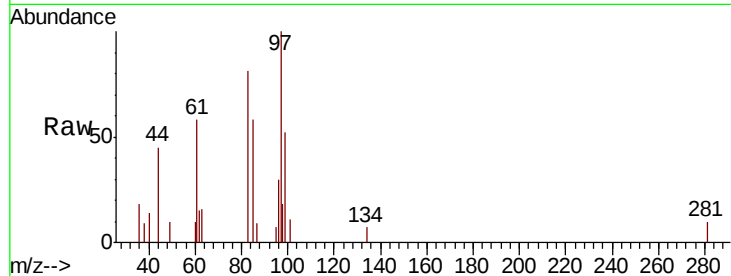
#45
 1,1,2-Trichloroethane
 Concen: 0.157 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035998.D
 Acq: 05 Dec 2019 16:46

Instrument :
 MSVOA_U
 ClientSampled :
 BFE33

Tot Ion:	97	Resp:	2741
Ion	Ratio	Lower	Upper
97	100		
99	51.8	45.0	83.6
83	80.8	62.1	115.3
85	57.7	41.4	77.0

Manual Integrations
 APPROVED

apatel
 12/9/2019 10:25:42 AM



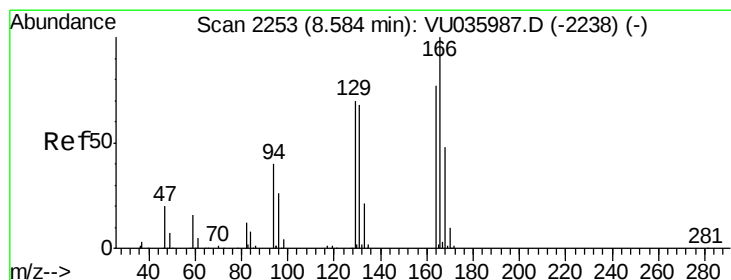
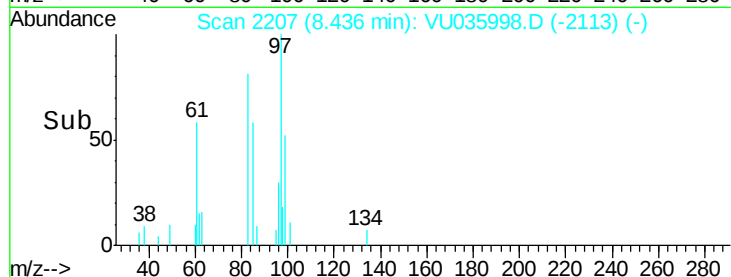
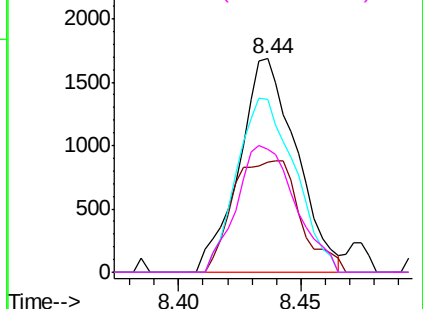
Abundance

Ion 96.95 (96.65 to 97.65): VU035998.D (-2113) (-)

Ion 99.05 (98.75 to 99.75): VU035998.D (-2113) (-)

Ion 82.95 (82.65 to 83.65): VU035998.D (-2113) (-)

Ion 85.00 (84.70 to 85.70): VU035998.D (-2113) (-)



#47
 Tetrachloroethene
 Concen: 32.833 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035998.D
 Acq: 05 Dec 2019 16:46

Tgt Ion:	164	Resp:	640002
Ion	Ratio	Lower	Upper
164	100		
129	92.3	67.9	126.1
131	86.9	64.1	119.1
166	127.0	92.6	172.0

Abundance

Ion 163.90 (163.60 to 164.60): VU035998.D (-2160) (-)

Ion 128.95 (128.65 to 129.65): VU035998.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU035998.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU035998.D (-2160) (-)

