

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035360.D
 Acq On : 22 Oct 2019 13:15
 Operator : JC/SP
 Sample : K5461-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G69

Quant Time: Oct 23 07:51:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 06:48:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	260375	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	251329	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	85484	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	118079	7.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	148.80%#
7) Chloroethane-d5	1.93	69	100904	6.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	139.00%#
11) 1,1-Dichloroethene-d2	2.59	63	155311	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.80%
20) 2-Butanone-d5	4.71	46	191448	41.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.92%
24) Chloroform-d	5.11	84	164471	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
26) 1,2-Dichloroethane-d4	5.75	65	101494	6.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	126.20%
32) Benzene-d6	5.77	84	372106	6.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	129.40%#
36) 1,2-Dichloropropane-d6	6.74	67	119301	6.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	130.80%
41) Toluene-d8	7.93	98	322334	5.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.20%
43) trans-1,3-Dichloropropene-	8.22	79	31813	3.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.80%
46) 2-Hexanone-d5	8.69	63	171198	43.83	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.66%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	93657	5.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	94067	6.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.80%#

Target Compounds

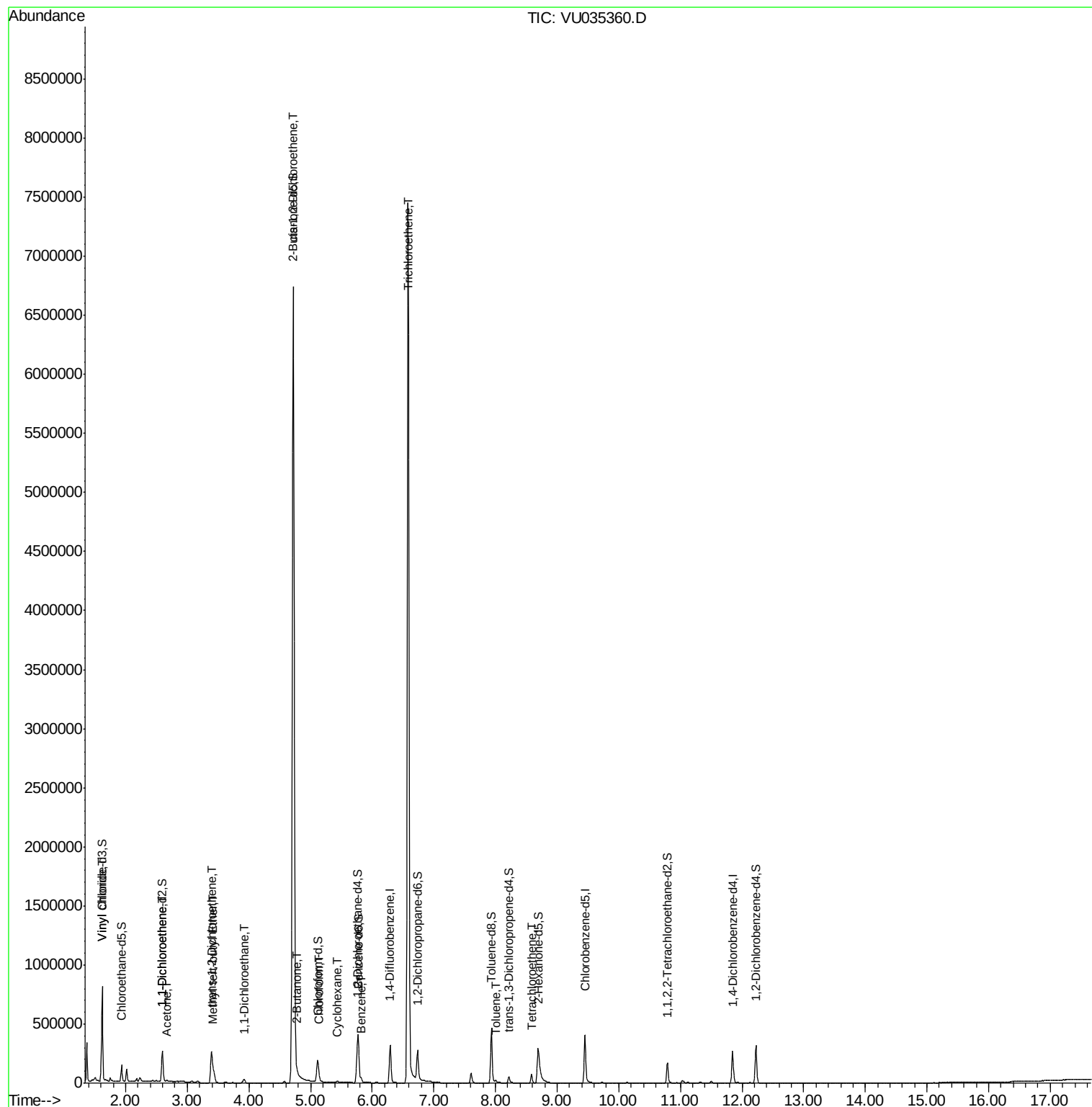
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	392084	17.367	ug/L	100
12) 1,1-Dichloroethene	2.61	96	10877	0.650	ug/L #	1
13) Acetone	2.67	43	10490	3.305	ug/L	99
17) Methyl tert-butyl Ether	3.43	73	110229	2.448	ug/L #	88
18) trans-1,2-Dichloroethene	3.39	96	106561	5.903	ug/L	92
19) 1,1-Dichloroethane	3.92	63	35923	1.100	ug/L	99
21) 2-Butanone	4.79	43	14112	2.728	ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	3518410	176.333	ug/L	98
25) Chloroform	5.14	83	18278	0.510	ug/L	98
30) Cyclohexane	5.43	56	4078	0.129	ug/L #	91
33) Benzene	5.82	78	31952	0.432	ug/L	100
34) Trichloroethene	6.58	95	2519980	126.753	ug/L	97
42) Toluene	8.01	91	14076	0.172	ug/L	92
47) Tetrachloroethene	8.58	164	17575	1.061	ug/L	96

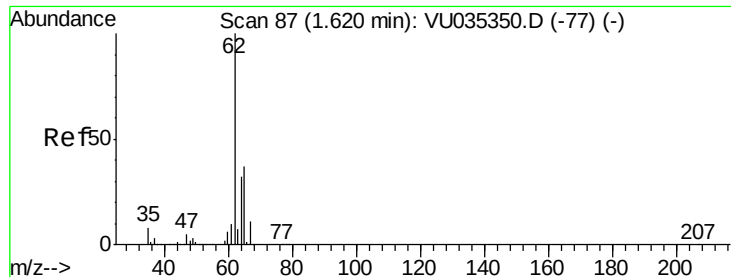
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 17.367 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035360.D

Acq: 22 Oct 2019 13:15

Instrument :

MSVOA_U

ClientSampled :

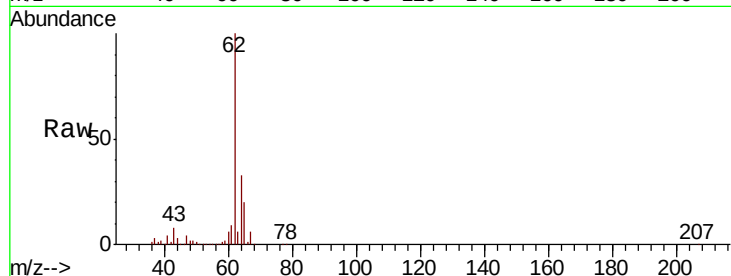
H0G69

Tot Ion: 62 Resp: 392084

Ion Ratio Lower Upper

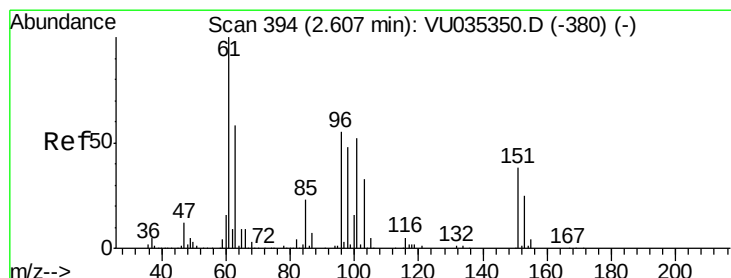
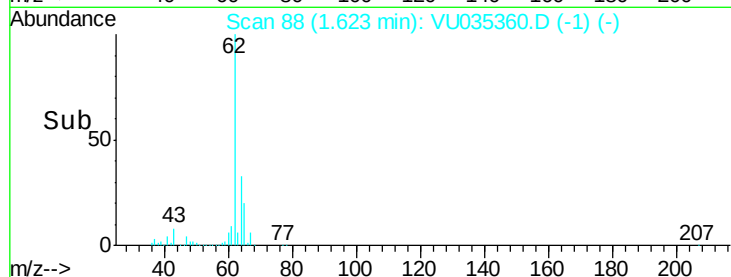
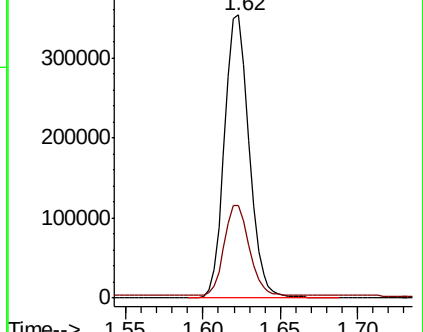
62 100

64 32.8 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035350.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035350.D (-77) (-)



#12

1,1-Dichloroethene

Concen: 0.650 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035360.D

Acq: 22 Oct 2019 13:15

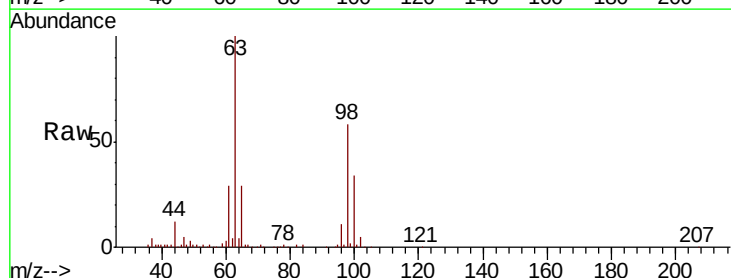
Tgt Ion: 96 Resp: 10877

Ion Ratio Lower Upper

96 100

61 258.5 120.6 224.0#

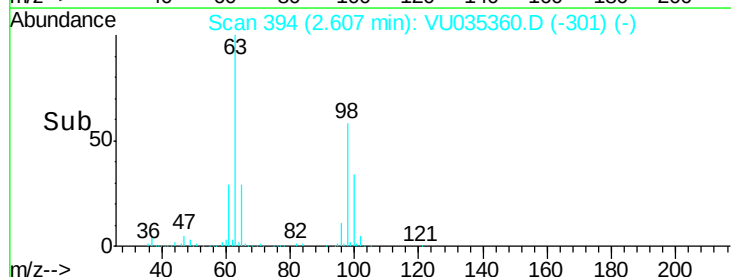
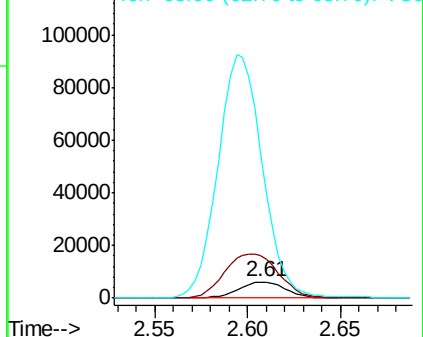
63 902.9 86.8 161.2#

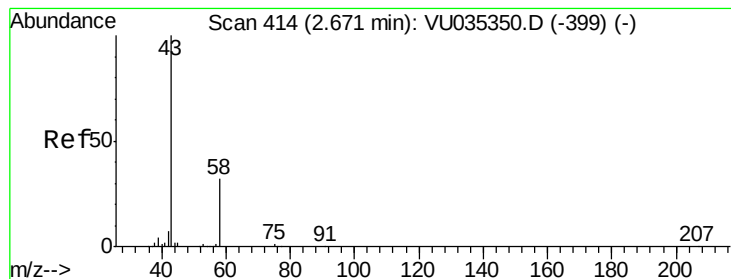


Abundance Ion 96.00 (95.70 to 96.70): VU035350.D (-380) (-)

Ion 61.05 (60.75 to 61.75): VU035350.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU035350.D (-380) (-)





#13

Acetone

Concen: 3.305 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035360.D

Acq: 22 Oct 2019 13:15

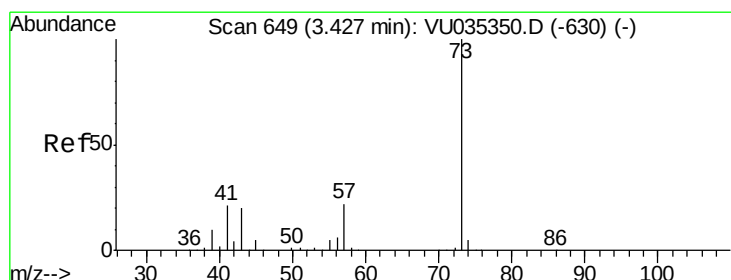
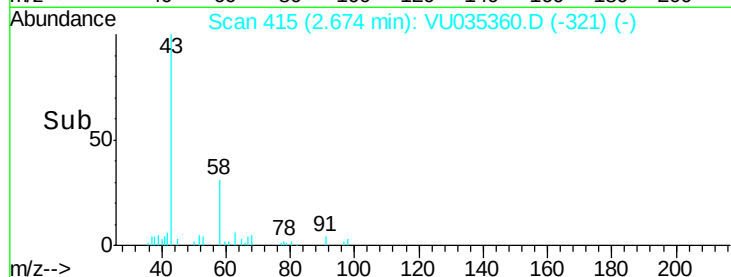
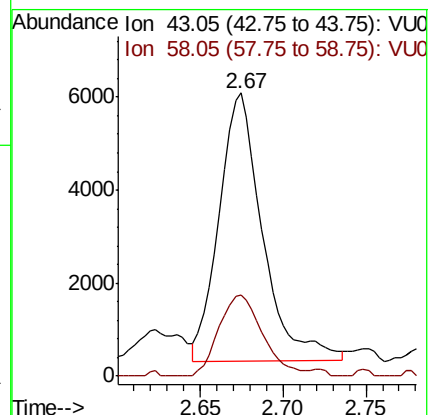
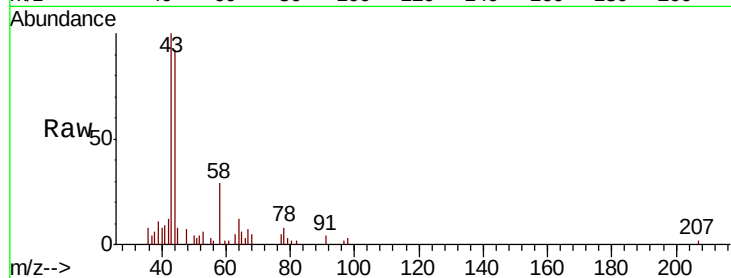
Instrument :
MSVOA_U
ClientSampleId :
H0G69

Tot Ion: 43 Resp: 10490

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.8



#17

Methyl tert-butyl Ether

Concen: 2.448 ug/L

RT: 3.43 min Scan# 650

Delta R.T. 0.00 min

Lab File: VU035360.D

Acq: 22 Oct 2019 13:15

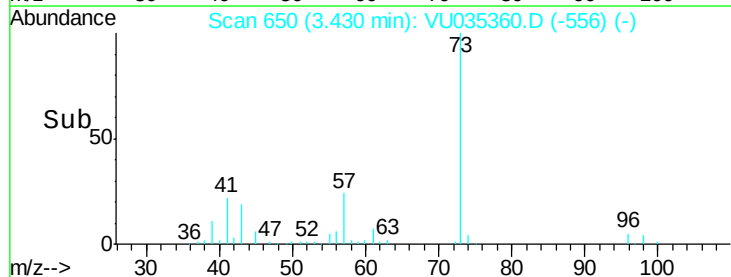
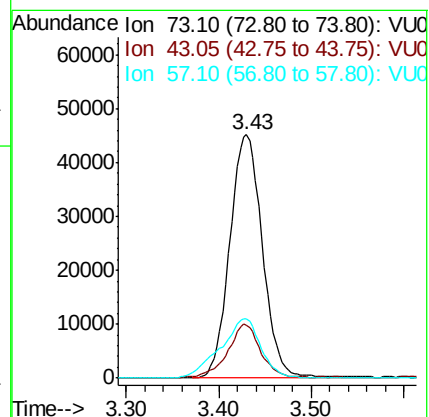
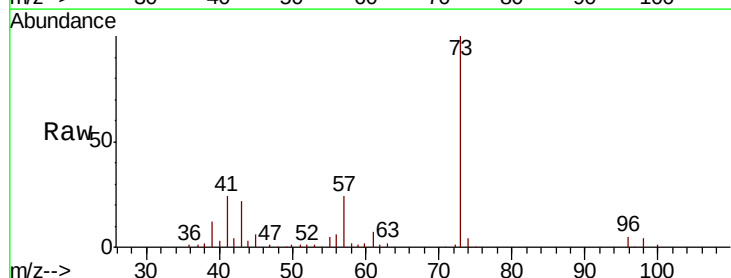
Tgt Ion: 73 Resp: 110229

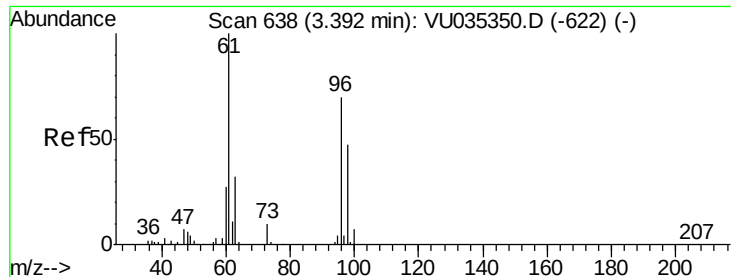
Ion Ratio Lower Upper

73 100

43 22.7 16.0 24.0

57 30.1 17.4 26.2#





#18

trans-1,2-Dichloroethene

Concen: 5.903 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU035360.D

Acq: 22 Oct 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

H0G69

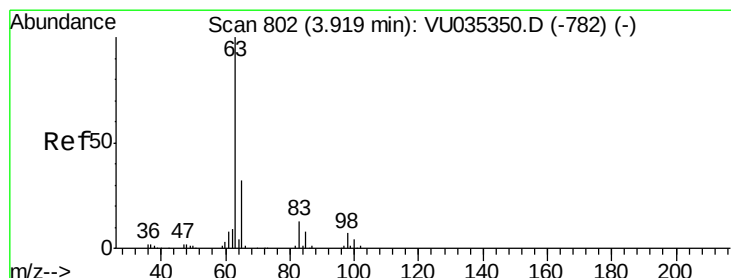
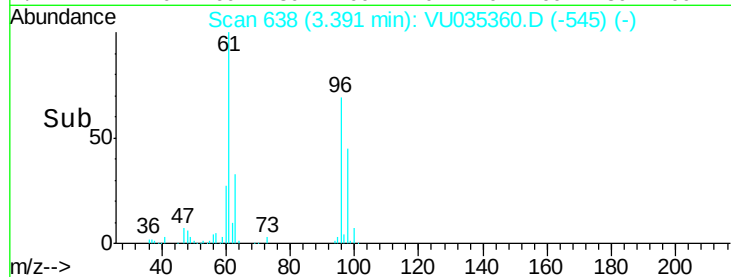
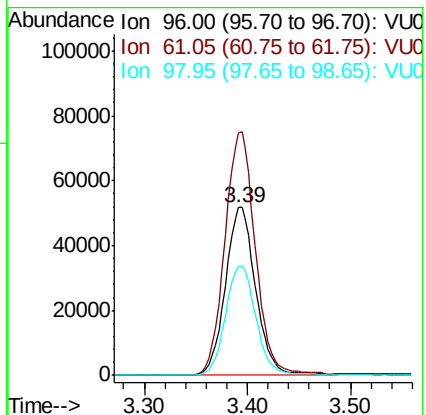
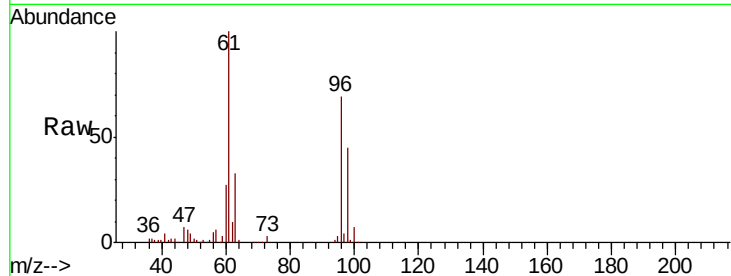
Tot Ion: 96 Resp: 106561

Ion Ratio Lower Upper

96 100

61 144.4 93.0 172.6

98 64.7 43.7 81.1



#19

1,1-Dichloroethane

Concen: 1.100 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035360.D

Acq: 22 Oct 2019 13:15

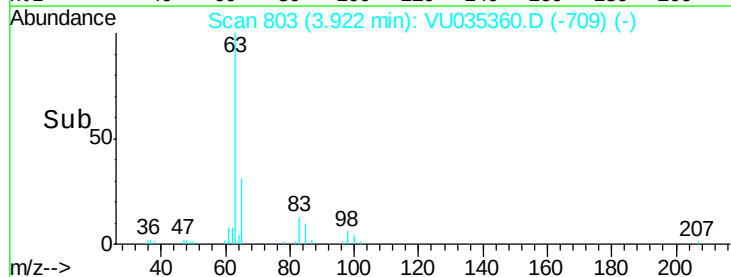
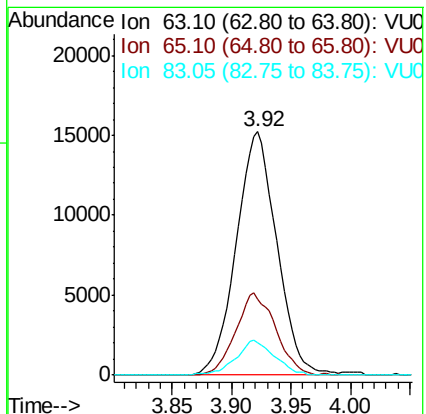
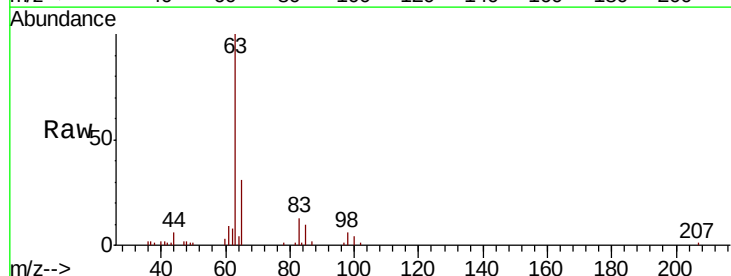
Tgt Ion: 63 Resp: 35923

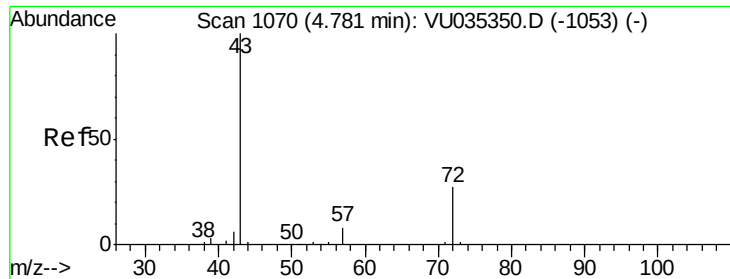
Ion Ratio Lower Upper

63 100

65 31.4 22.4 41.6

83 13.4 9.3 17.3





#21

2-Butanone

Concen: 2.728 ug/L

RT: 4.79 min Scan# 1072

Delta R.T. 0.01 min

Lab File: VU035360.D

Acq: 22 Oct 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

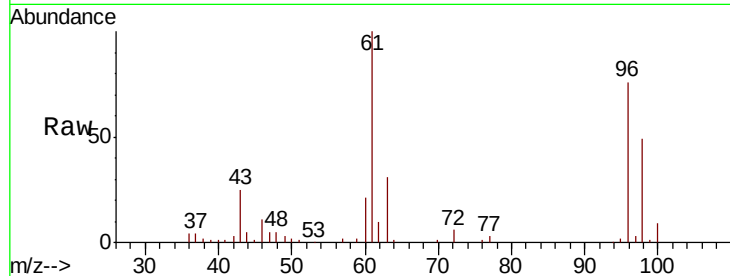
H0G69

Tot Ion: 43 Resp: 14112

Ion Ratio Lower Upper

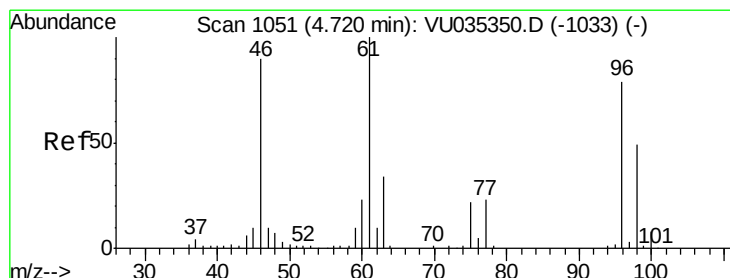
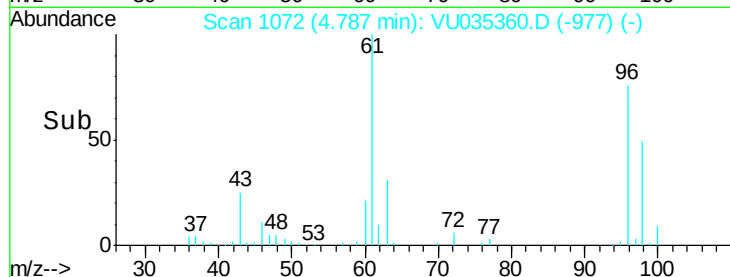
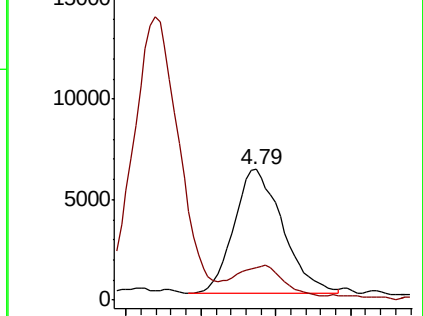
43 100

72 23.8 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



#22

cis-1,2-Dichloroethene

Concen: 176.333 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035360.D

Acq: 22 Oct 2019 13:15

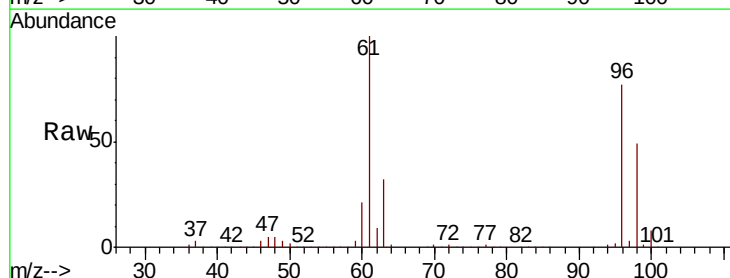
Tgt Ion: 96 Resp: 3518410

Ion Ratio Lower Upper

96 100

61 130.0 89.7 166.5

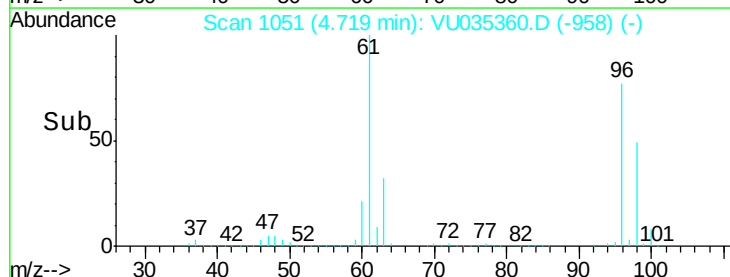
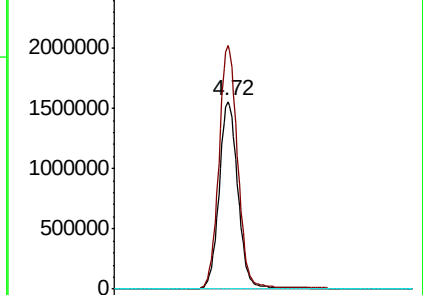
68 0.0 0.0 0.0

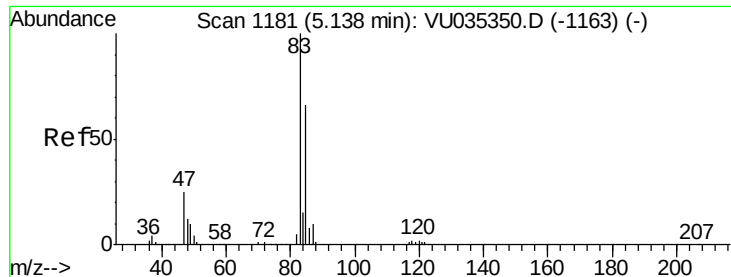


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

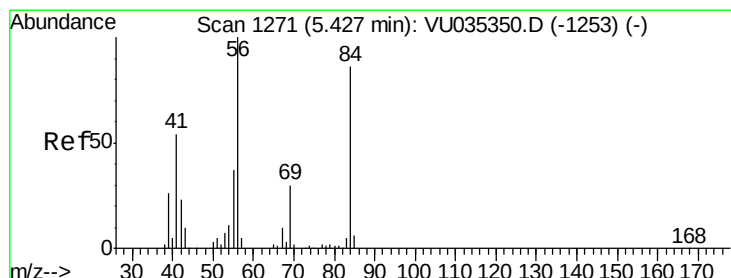
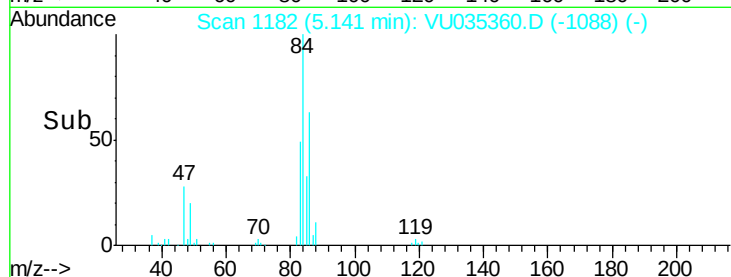
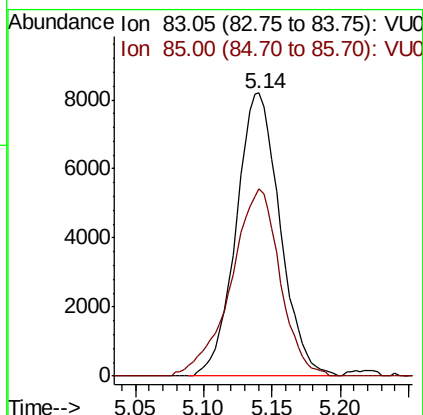
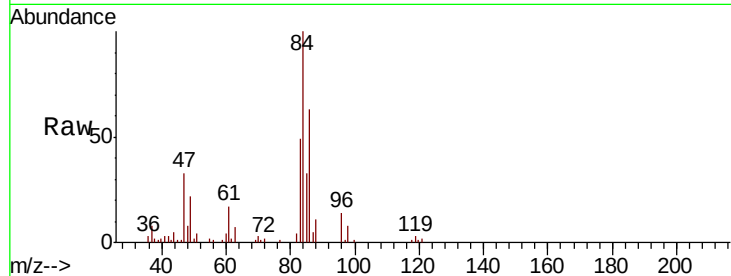




#25
Chloroform
Concen: 0.510 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035360.D
Acq: 22 Oct 2019 13:15

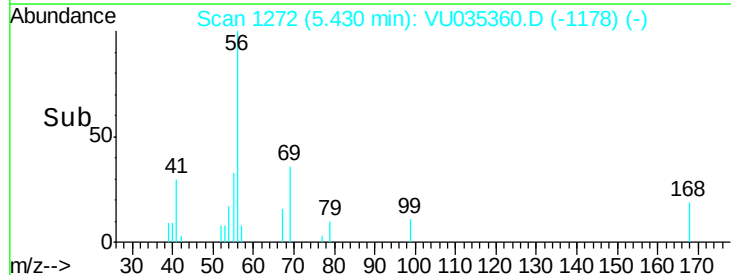
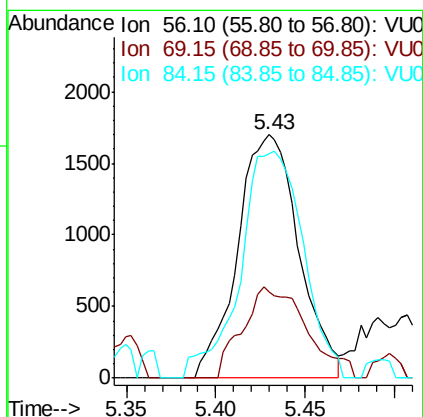
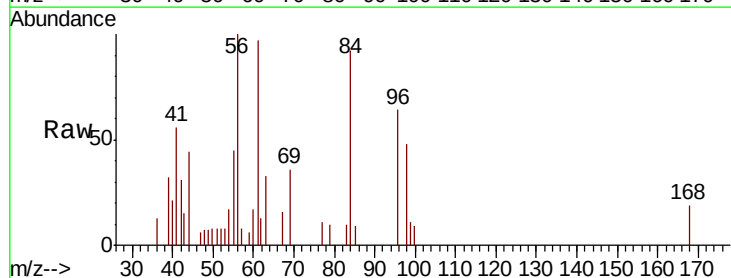
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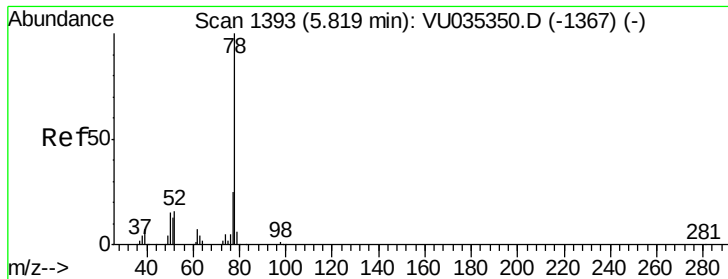
Tot Ion: 83 Resp: 18278
Ion Ratio Lower Upper
83 100
85 66.1 45.1 83.9



#30
Cyclohexane
Concen: 0.129 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035360.D
Acq: 22 Oct 2019 13:15

Tgt Ion: 56 Resp: 4078
Ion Ratio Lower Upper
56 100
69 39.3 24.6 36.8#
84 95.6 71.5 107.3





#33

Benzene

Concen: 0.432 ug/L

RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU035360.D

Acq: 22 Oct 2019 13:15

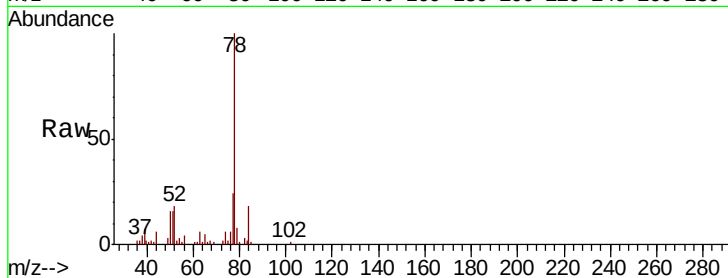
Instrument :

MSVOA_U

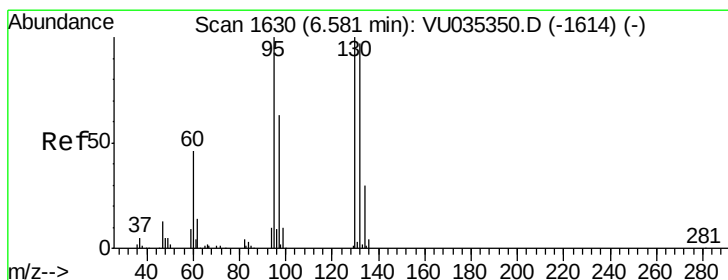
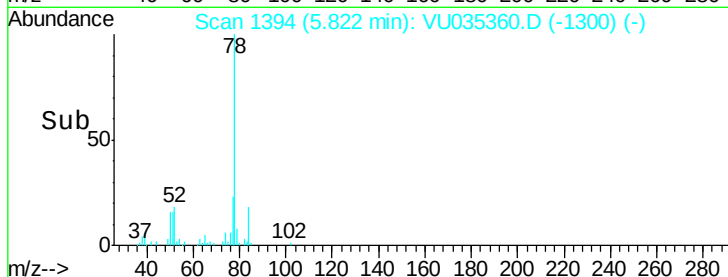
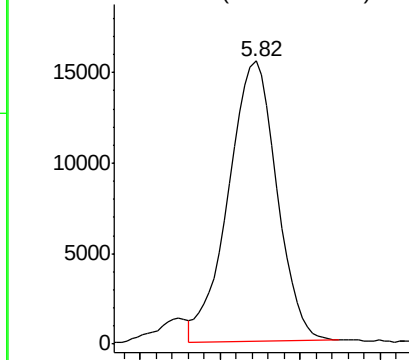
ClientSampleId :

H0G69

Tgt Ion: 78 Resp: 31952



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 126.753 ug/L

RT: 6.58 min Scan# 1631

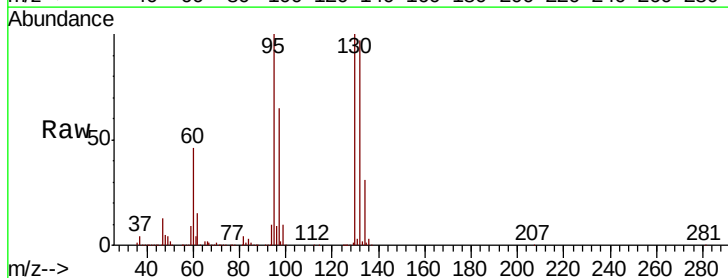
Delta R.T. 0.00 min

Lab File: VU035360.D

Acq: 22 Oct 2019 13:15

Tgt Ion: 95 Resp: 2519980

Ion	Ratio	Lower	Upper
95	100		
97	64.8	46.6	86.6
132	97.1	68.7	127.7
130	99.8	73.9	137.3

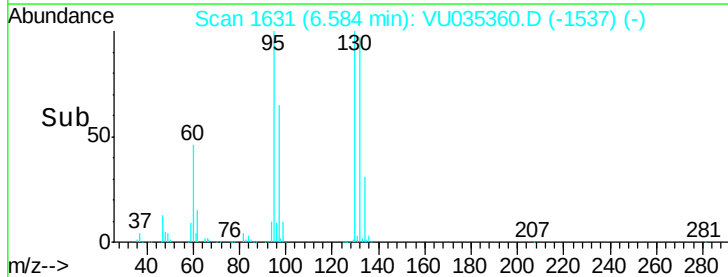
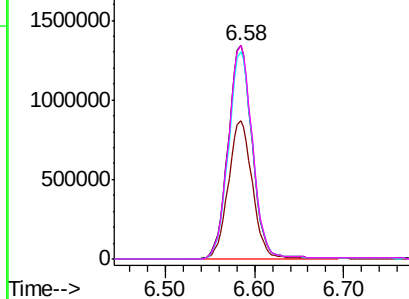


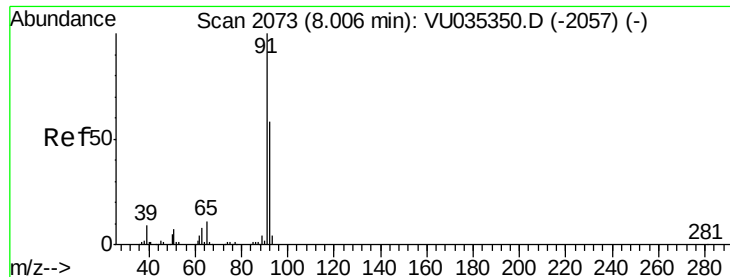
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0





#42

Toluene

Concen: 0.172 ug/L

RT: 8.01 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VU035360.D

Acq: 22 Oct 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

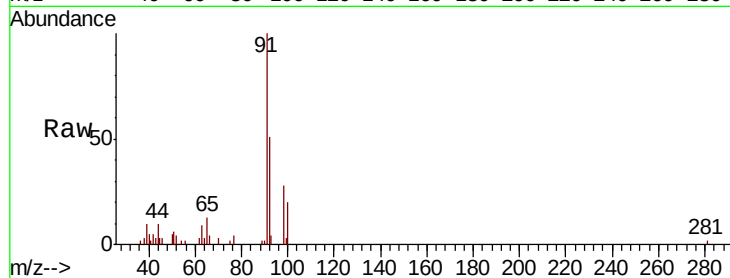
H0G69

Tot Ion: 91 Resp: 14076

Ion Ratio Lower Upper

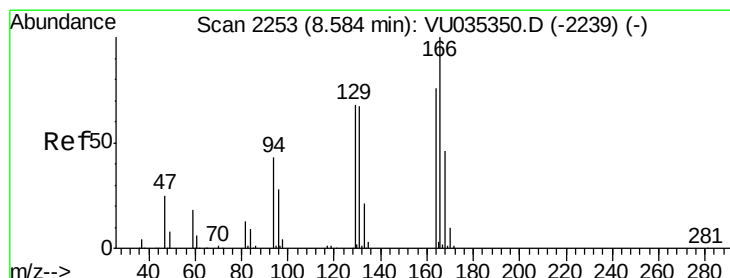
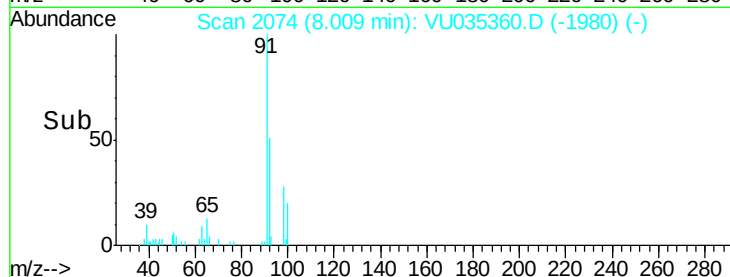
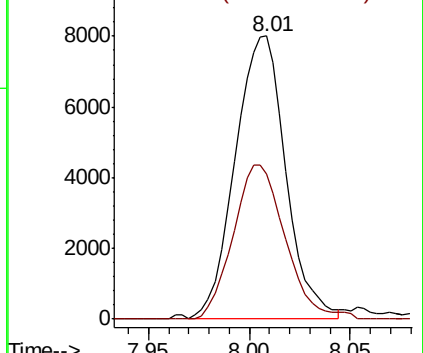
91 100

92 51.3 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035350.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035350.D (-2057) (-)



#47

Tetrachloroethene

Concen: 1.061 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035360.D

Acq: 22 Oct 2019 13:15

Tgt Ion: 164 Resp: 17575

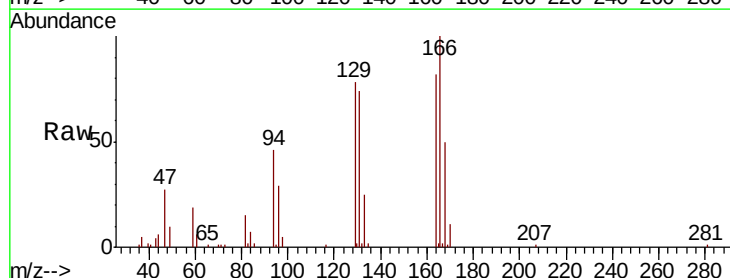
Ion Ratio Lower Upper

164 100

129 95.1 65.2 121.0

131 90.7 62.9 116.9

166 122.1 91.5 169.9



Abundance Ion 163.90 (163.60 to 164.60): VU035350.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU035350.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU035350.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU035350.D (-2239) (-)

