

Data File : VU035421.D
Acq On : 23 Oct 2019 20:54
Operator : JC/SP
Sample : K5488-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G33

Quant Time: Oct 24 05:25:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	223781	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	233950	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	83800	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	56269	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.93	69	59096	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.59	63	81478	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	4.71	46	236083	60.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.42%
24) Chloroform-d	5.11	84	130330	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.75	65	75501	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.77	84	240577	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.74	67	87585	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.93	98	198465	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
43) trans-1,3-Dichloropropene-	8.22	79	31225	3.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.80%
46) 2-Hexanone-d5	8.68	63	170769	46.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.94%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	82415	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	72873	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	2915	0.153 ug/L	99
17) Methyl tert-butyl Ether	3.43	73	4915318	127.031 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	1418	0.091 ug/L	78
19) 1,1-Dichloroethane	3.92	63	4399	0.157 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	45375	2.646 ug/L	99
25) Chloroform	5.13	83	7526	0.244 ug/L	78
34) Trichloroethene	6.58	95	37504	2.027 ug/L	93
35) Methylcyclohexane	6.74	83	20330	0.657 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	9564	0.547 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2113	0.072 ug/L #	38
47) Tetrachloroethene	8.58	164	117723	7.636 ug/L	99
48) 2-Hexanone	8.73	43	17277	2.088 ug/L #	85
49) Dibromochloromethane	8.58	129	104329	6.343 ug/L #	11
59) 1,2,3-Trichloropropane	11.84	75	10823	0.889 ug/L	97

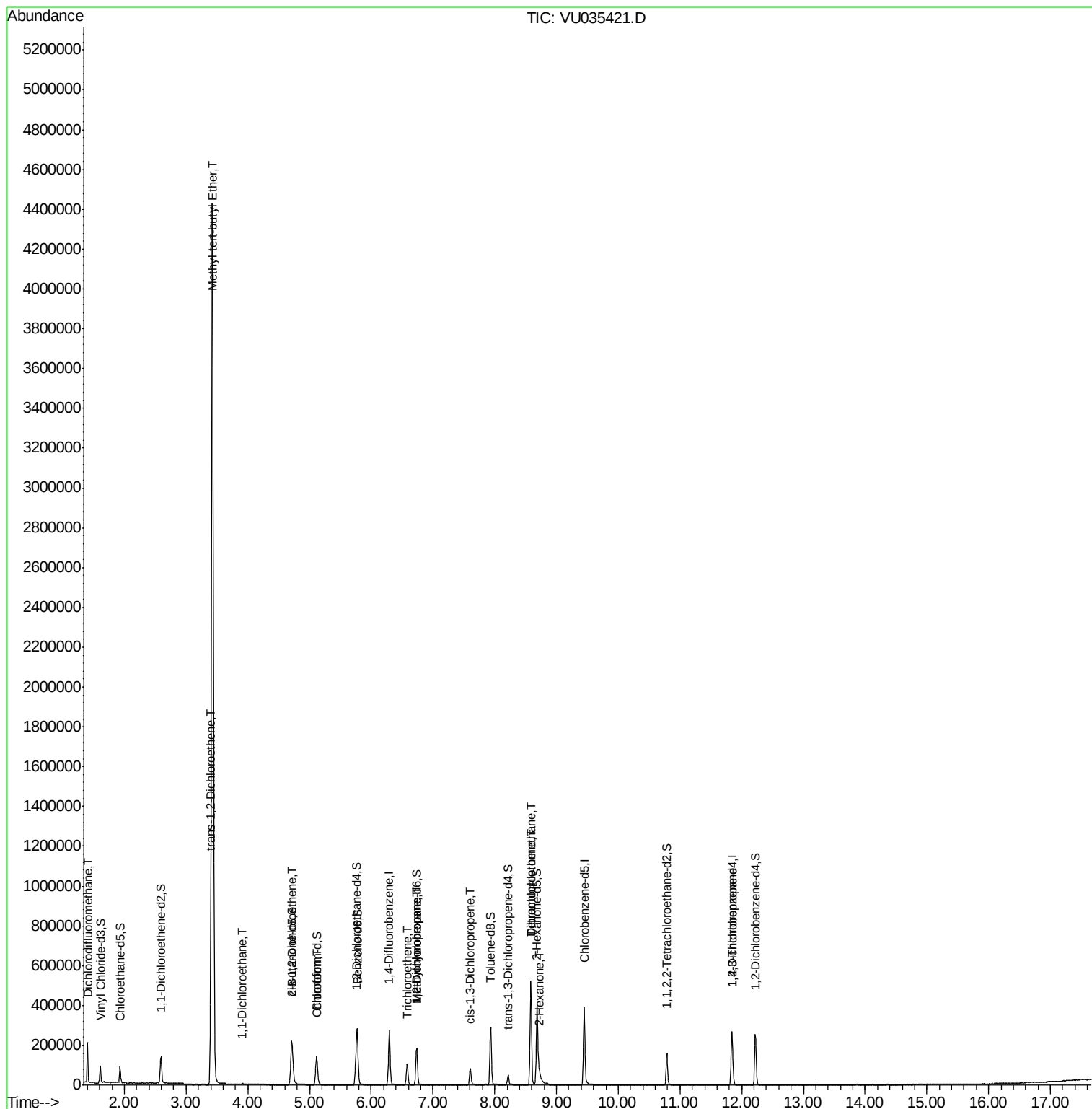
(#) = qualifier out of range (m) = manual integration (+) = signals summed

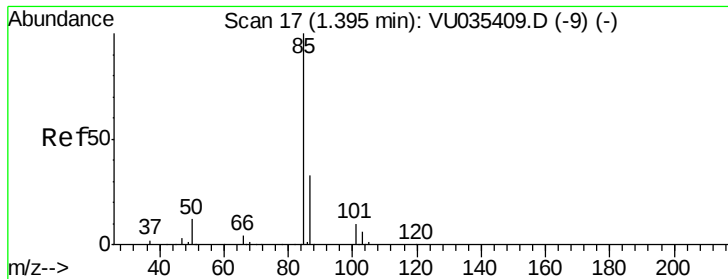
Data File : VU035421.D

```
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#2

Dichlorodifluoromethane

Concen: 0.153 ug/L

RT: 1.40 min Scan# 19

Delta R.T. 0.01 min

Lab File: VU035421.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

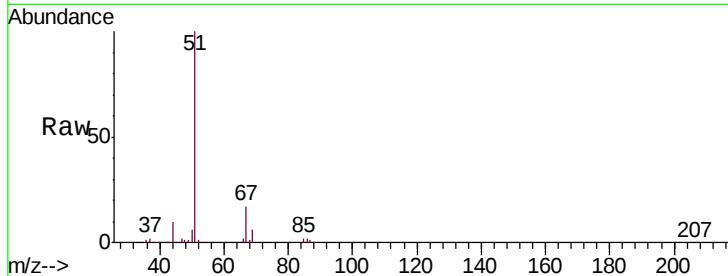
H0G33

Tgt Ion: 85 Resp: 2915

Ion Ratio Lower Upper

85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.40

2500

2000

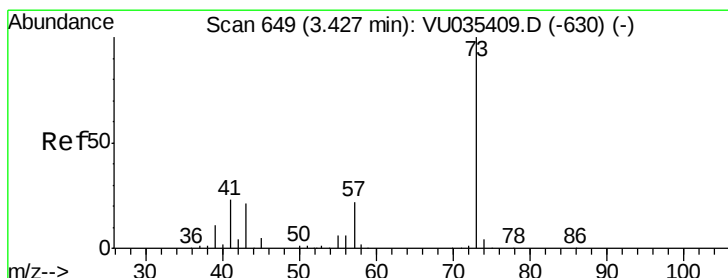
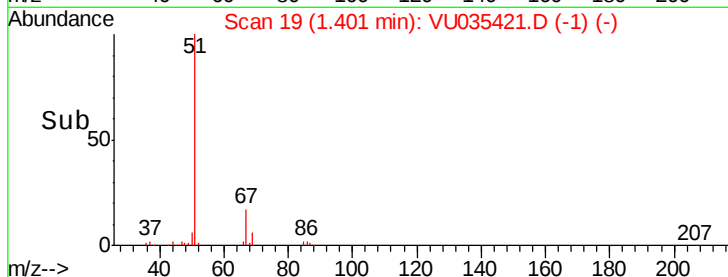
1500

1000

500

0

Time--> 1.36 1.38 1.40 1.42 1.44



#17

Methyl tert-butyl Ether

Concen: 127.031 ug/L

RT: 3.43 min Scan# 649

Delta R.T. -0.00 min

Lab File: VU035421.D

Acq: 23 Oct 2019 20:54

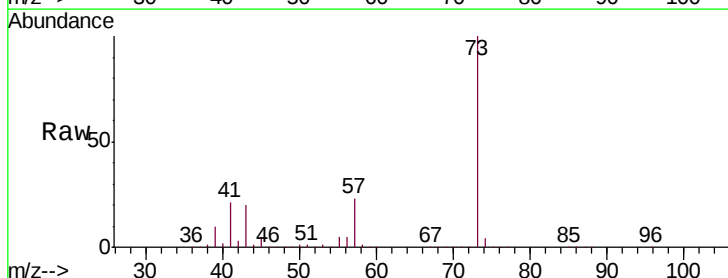
Tgt Ion: 73 Resp: 4915318

Ion Ratio Lower Upper

73 100

43 19.7 16.0 24.0

57 22.6 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

3000000

2500000

2000000

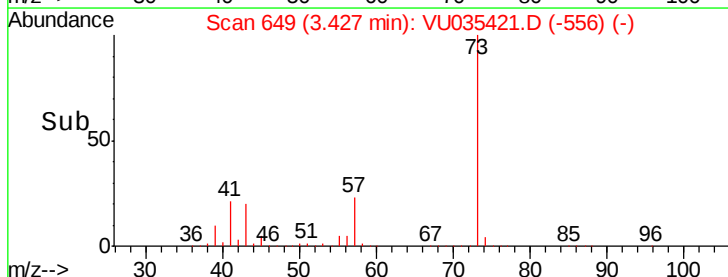
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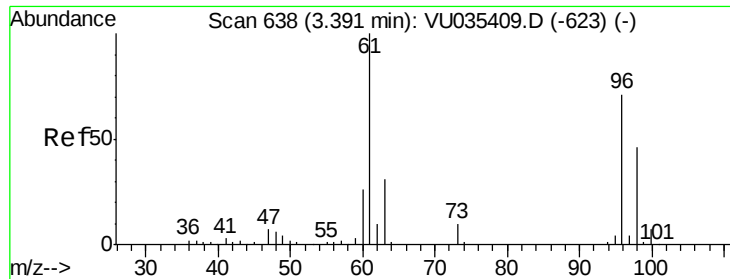
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500000

0

Time--> 3.30 3.40 3.50 3.60

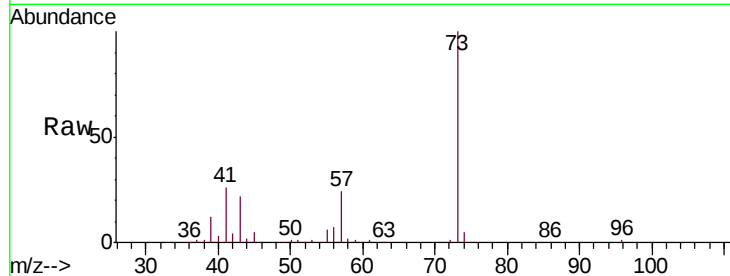




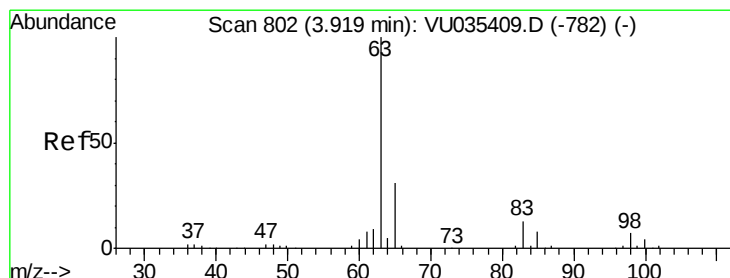
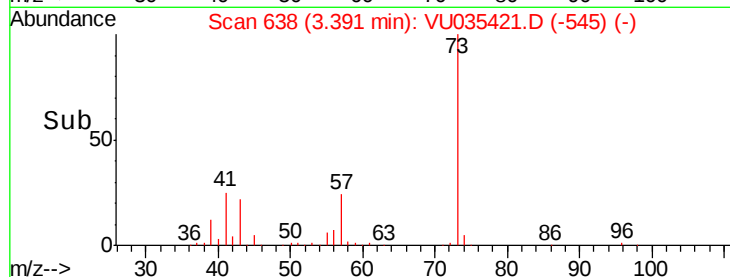
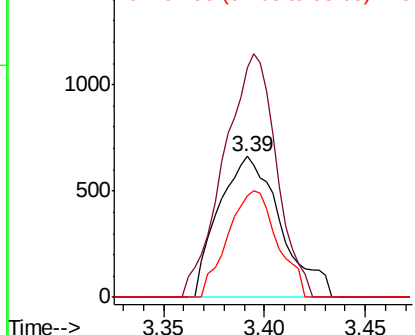
#18
 trans-1,2-Dichloroethene
 Concen: 0.091 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VU035421.D
 Acq: 23 Oct 2019 20:54

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G33

Tgt Ion: 96 Resp: 1418
 Ion Ratio Lower Upper
 96 100
 61 163.4 93.0 172.6
 98 71.9 43.7 81.1

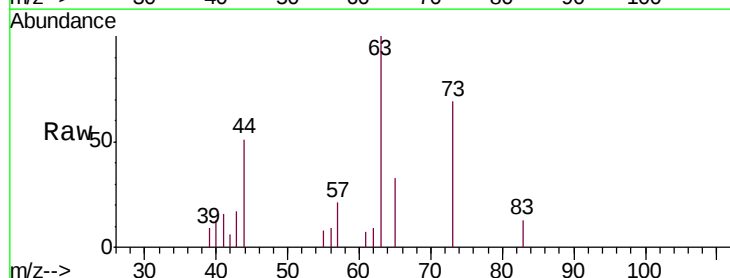


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

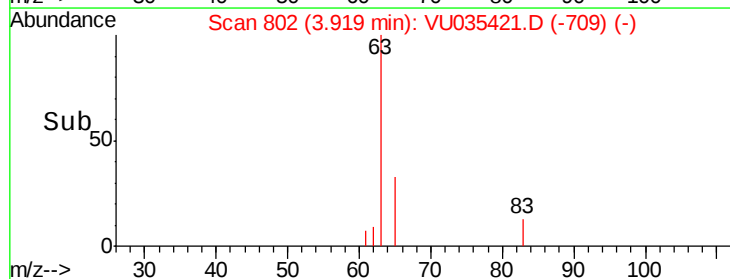
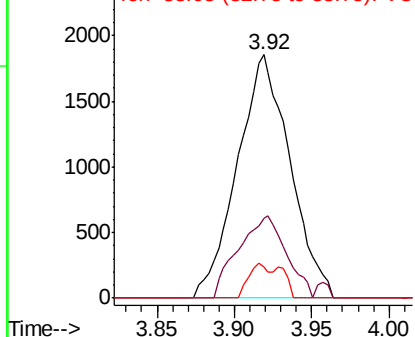


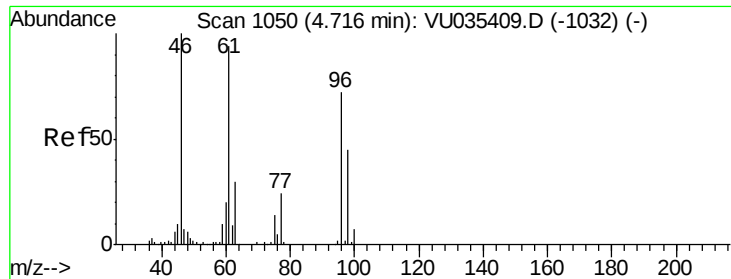
#19
 1,1-Dichloroethane
 Concen: 0.157 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035421.D
 Acq: 23 Oct 2019 20:54

Tgt Ion: 63 Resp: 4399
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.4 41.6
 83 12.8 9.3 17.3



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

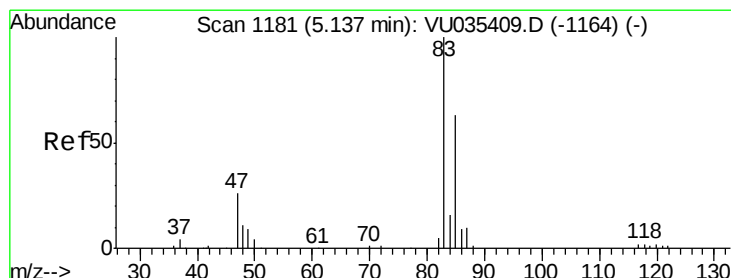
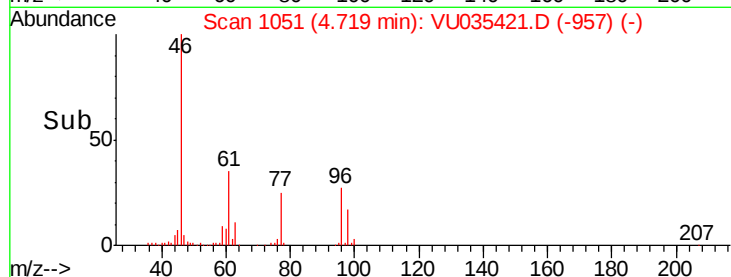
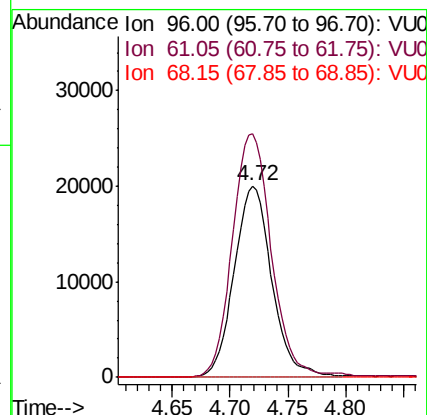
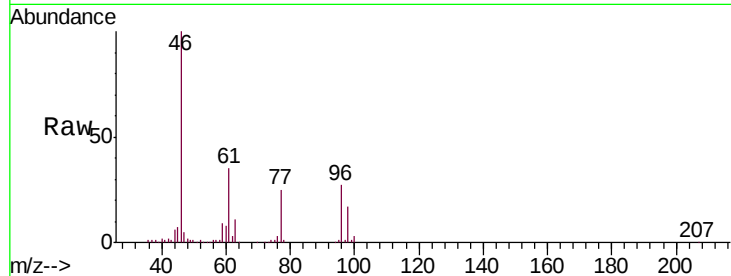




#22
 cis-1,2-Dichloroethene
 Concen: 2.646 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035421.D
 Acq: 23 Oct 2019 20:54

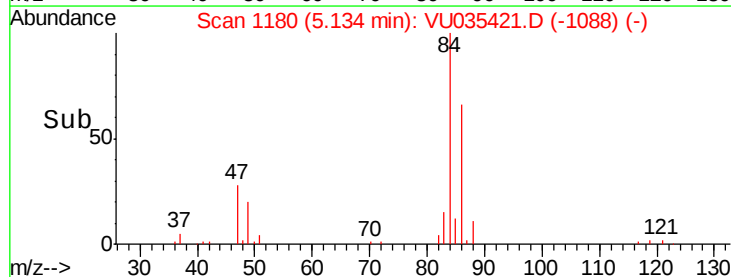
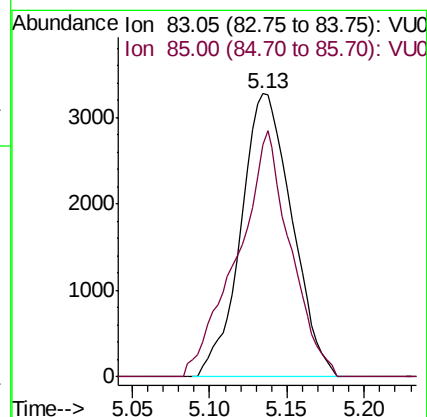
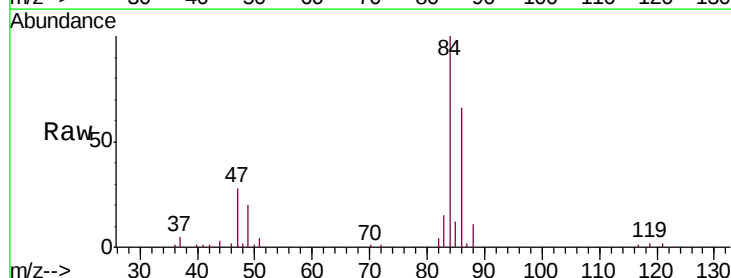
Instrument :
 MSVOA_U
 ClientSampled :
 H0G33

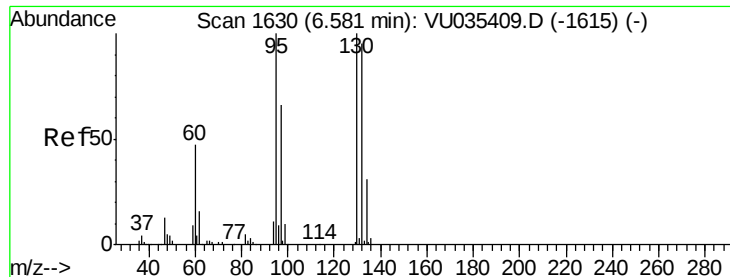
Tgt Ion: 96 Resp: 45375
 Ion Ratio Lower Upper
 96 100
 61 127.4 89.7 166.5
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.244 ug/L
 RT: 5.13 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VU035421.D
 Acq: 23 Oct 2019 20:54

Tgt Ion: 83 Resp: 7526
 Ion Ratio Lower Upper
 83 100
 85 82.1 45.1 83.9





#34

Trichloroethene

Concen: 2.027 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035421.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

H0G33

Tgt Ion: 95 Resp: 37504

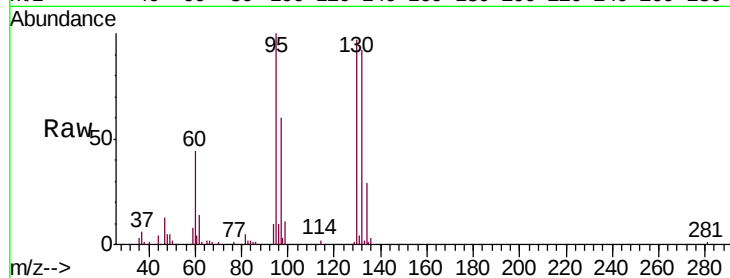
Ion Ratio Lower Upper

95 100

97 60.2 46.6 86.6

132 92.1 68.7 127.7

130 97.4 73.9 137.3

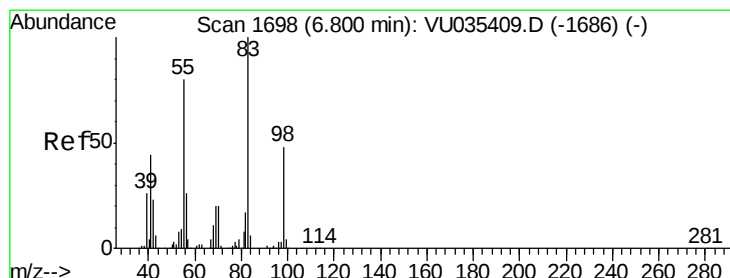
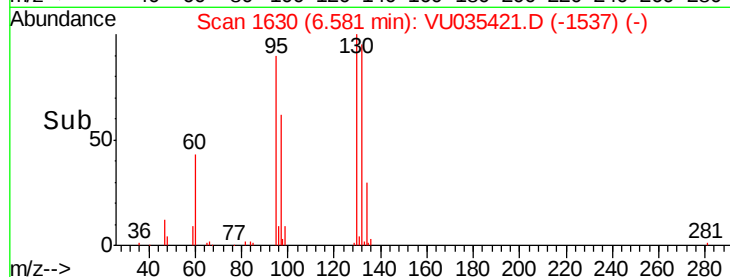
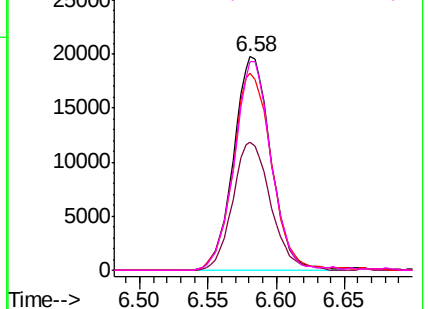


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.657 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035421.D

Acq: 23 Oct 2019 20:54

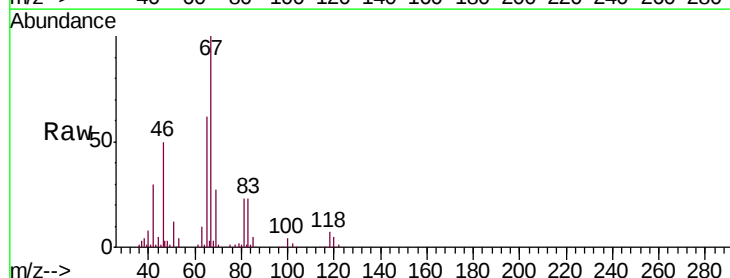
Tgt Ion: 83 Resp: 20330

Ion Ratio Lower Upper

83 100

55 0.4 60.4 90.6#

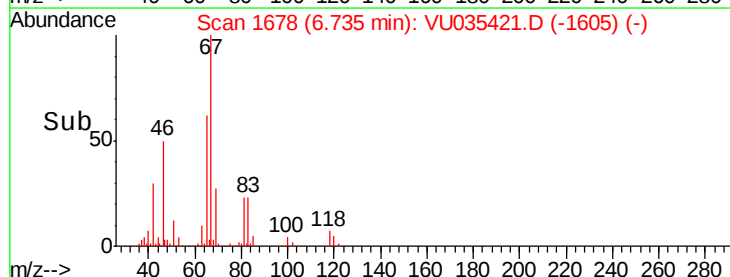
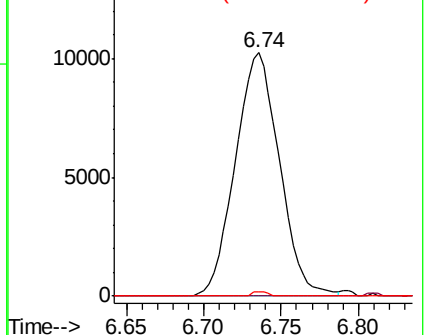
98 0.6 39.5 59.3#

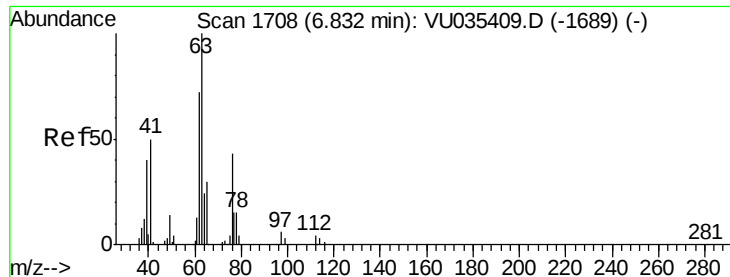


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.547 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035421.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampled :

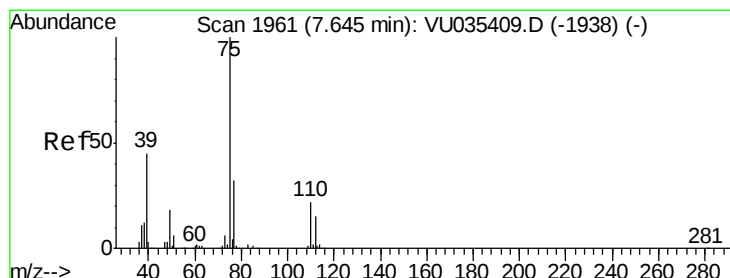
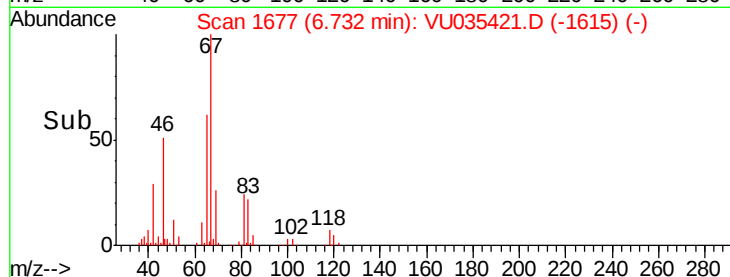
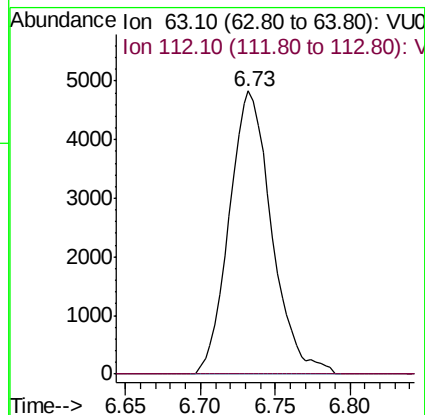
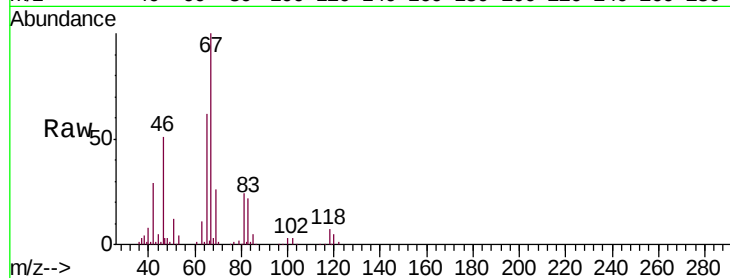
H0G33

Tgt Ion: 63 Resp: 9564

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



#39

cis-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.05 min

Lab File: VU035421.D

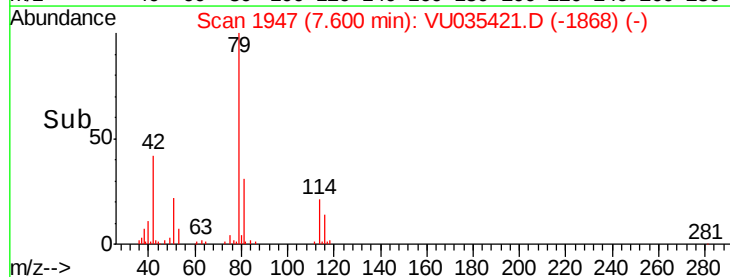
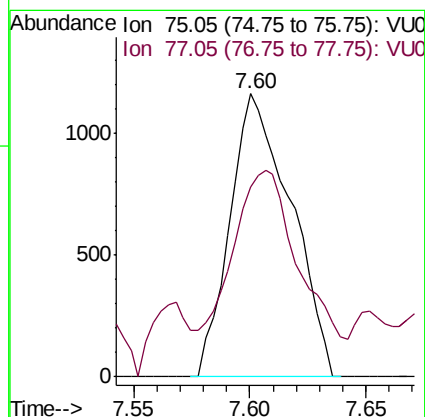
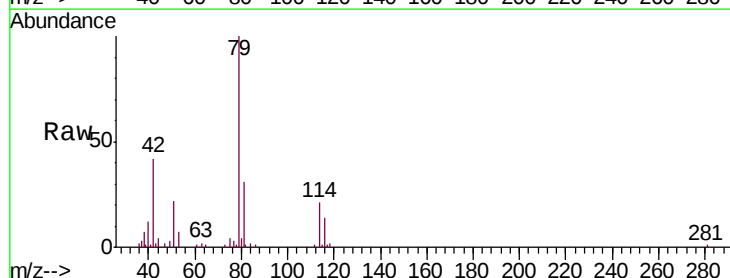
Acq: 23 Oct 2019 20:54

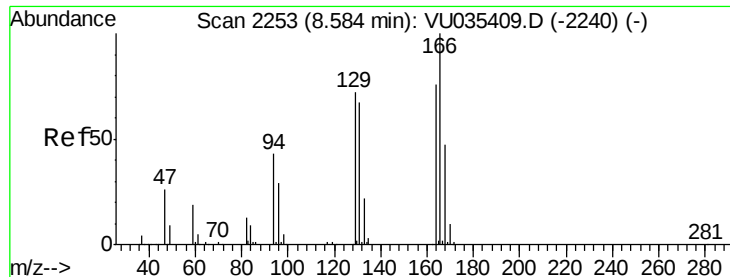
Tgt Ion: 75 Resp: 2113

Ion Ratio Lower Upper

75 100

77 67.2 22.7 42.1#





#47

Tetrachloroethene

Concen: 7.636 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035421.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

H0G33

Tgt Ion:164 Resp: 117723

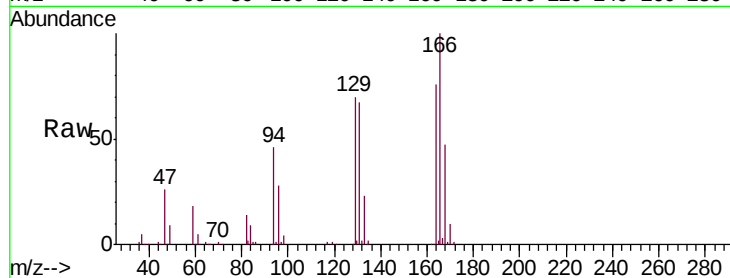
Ion Ratio Lower Upper

164 100

129 92.1 65.2 121.0

131 88.5 62.9 116.9

166 131.4 91.5 169.9

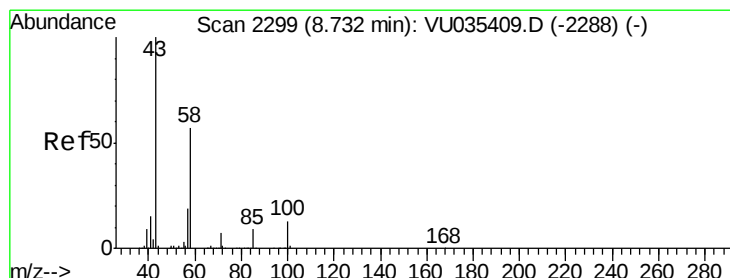
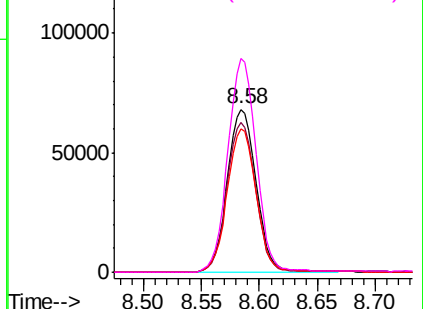
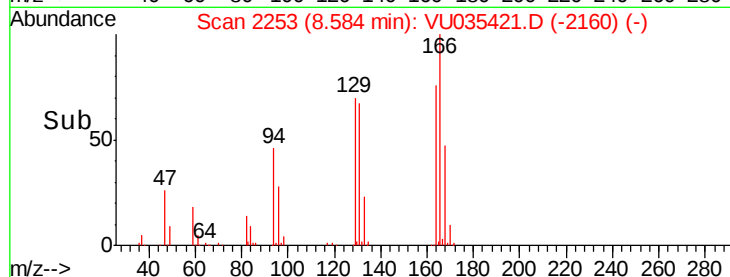


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 2.088 ug/L

RT: 8.73 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VU035421.D

Acq: 23 Oct 2019 20:54

Tgt Ion: 43 Resp: 17277

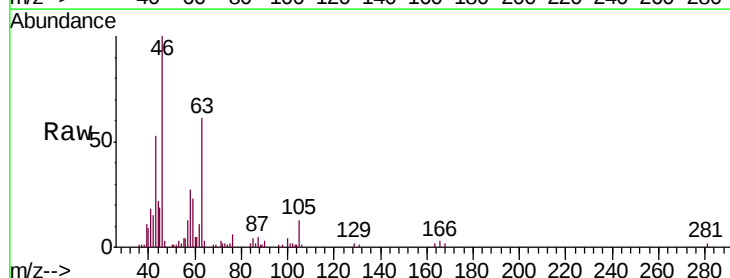
Ion Ratio Lower Upper

43 100

58 41.7 45.1 67.7#

57 19.8 16.0 24.0

100 7.0 10.4 15.6#

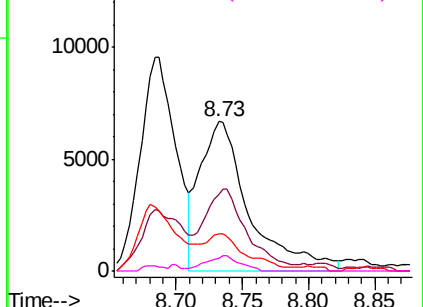
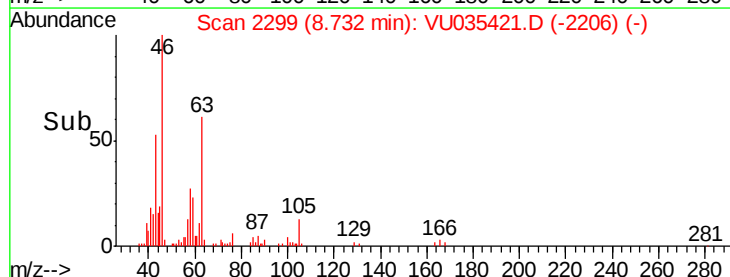


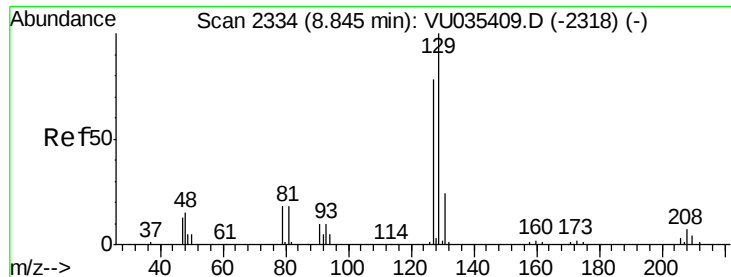
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 6.343 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035421.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

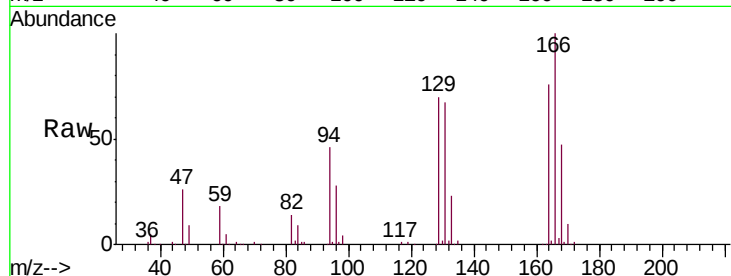
H0G33

Tgt Ion: 129 Resp: 104329

Ion Ratio Lower Upper

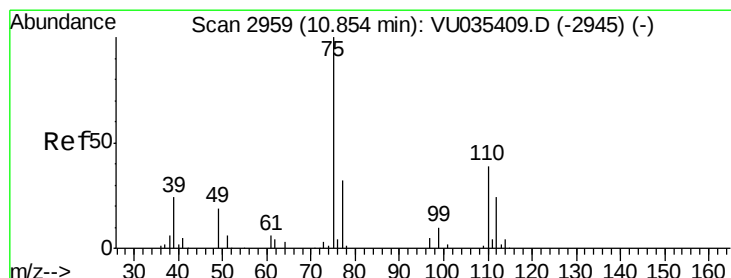
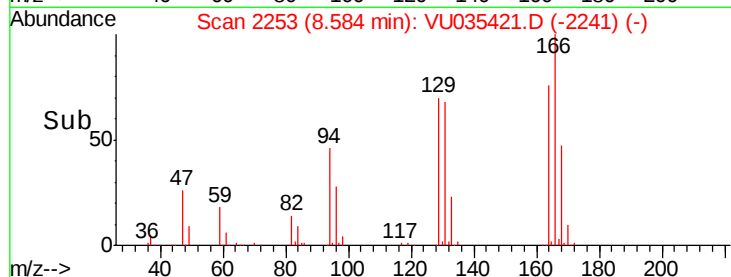
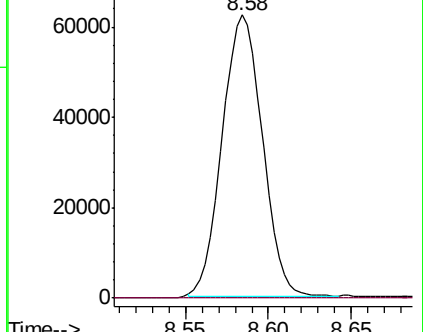
129 100

127 0.0 53.8 99.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.889 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035421.D

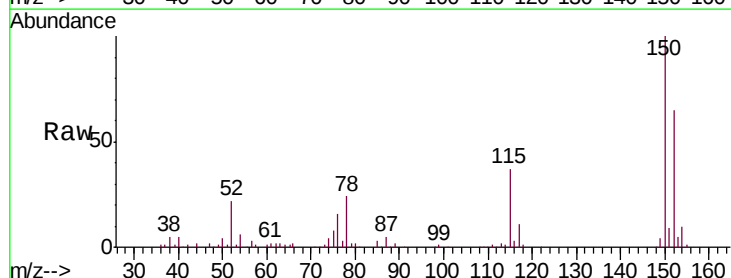
Acq: 23 Oct 2019 20:54

Tgt Ion: 75 Resp: 10823

Ion Ratio Lower Upper

75 100

77 34.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

