

Data File : VU034867.D
Acq On : 27 Sep 2019 11:54
Operator : JC/SP
Sample : K5044-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWK38

Quant Time: Sep 28 00:30:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 28 00:27:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	87287	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	83168	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	36997	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	29610	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.67	69	24903	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.26	63	43165	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	4.17	46	74549	43.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.32%
24) Chloroform-d	4.62	84	43879	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	5.29	65	25369	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
32) Benzene-d6	5.32	84	93201	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	6.31	67	32442	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.54	98	86227	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	7.83	79	10124	3.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.00%
46) 2-Hexanone-d5	8.30	63	54652	40.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.28%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	22658	3.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	28991	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

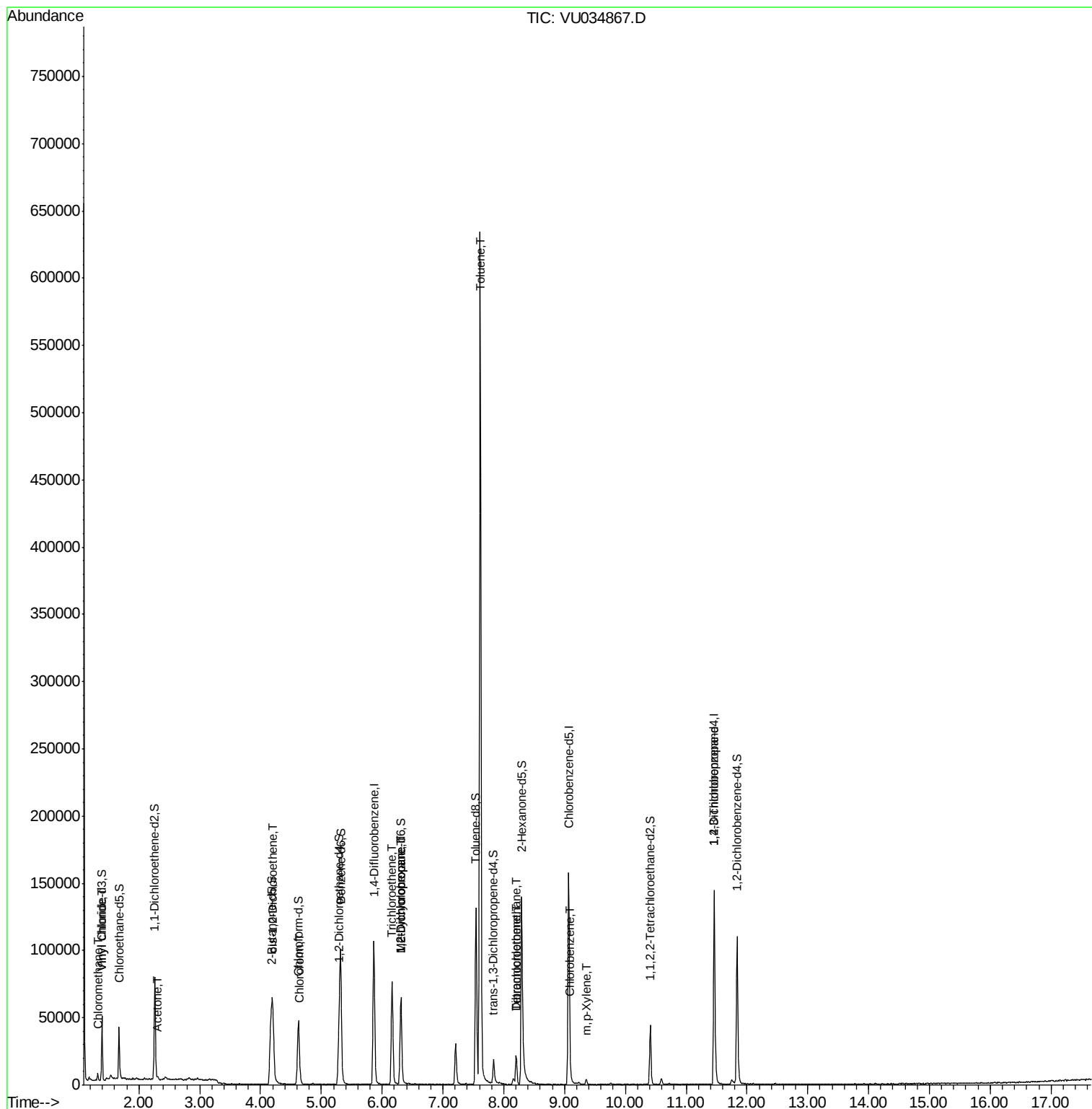
					Qvalue
3) Chloromethane	1.32	50	3587	0.575 ug/L	91
5) Vinyl chloride	1.40	62	1431	0.219 ug/L #	38
13) Acetone	2.31	43	1950	1.478 ug/L	99
22) cis-1,2-Dichloroethene	4.20	96	27316	4.565 ug/L	93
25) Chloroform	4.65	83	2363	0.193 ug/L	100
34) Trichloroethene	6.16	95	25426	4.536 ug/L	91
35) Methylcyclohexane	6.31	83	6143	0.679 ug/L #	16
37) 1,2-Dichloropropane	6.31	63	3200	0.461 ug/L #	92
42) Toluene	7.61	91	449008	18.477 ug/L	99
47) Tetrachloroethene	8.21	164	4923	1.449 ug/L	78
49) Dibromochloromethane	8.21	129	4624	0.893 ug/L #	12
51) Chlorobenzene	9.10	112	1453	0.095 ug/L	95
53) m,p-Xylene	9.35	106	1043	0.105 ug/L	92
59) 1,2,3-Trichloropropane	11.46	75	5772	1.273 ug/L	97

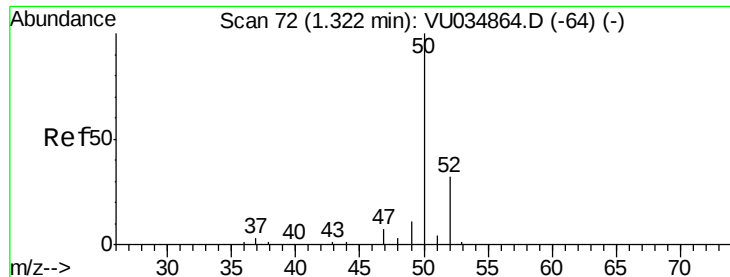
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.575 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034867.D

Acq: 27 Sep 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

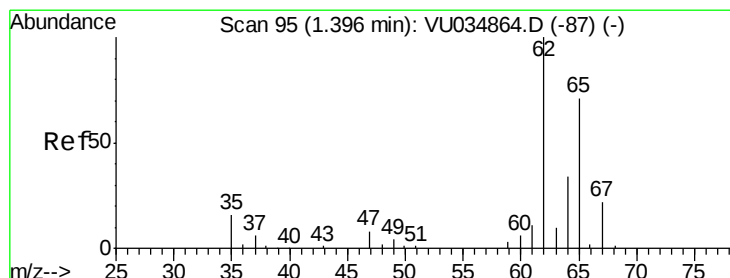
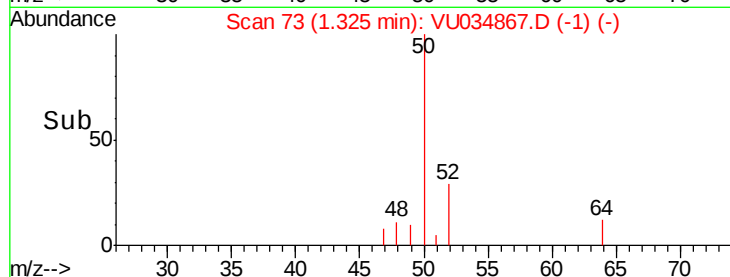
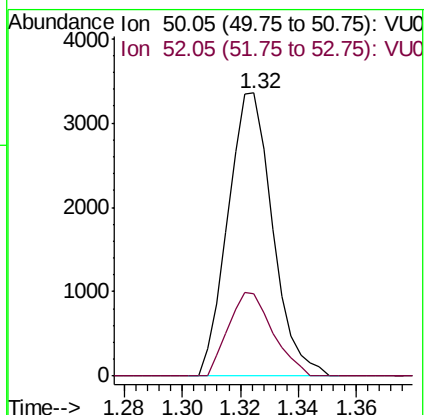
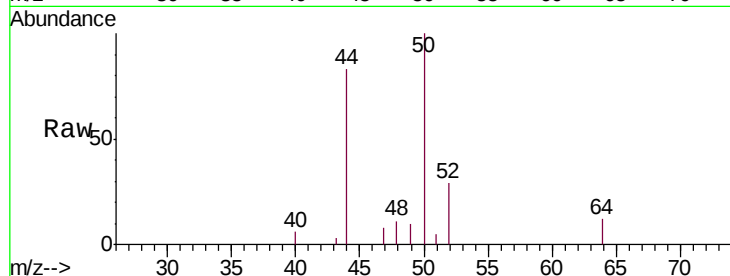
CWK38

Tgt Ion: 50 Resp: 3587

Ion Ratio Lower Upper

50 100

52 28.9 23.9 44.3



#5

Vinyl chloride

Concen: 0.219 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034867.D

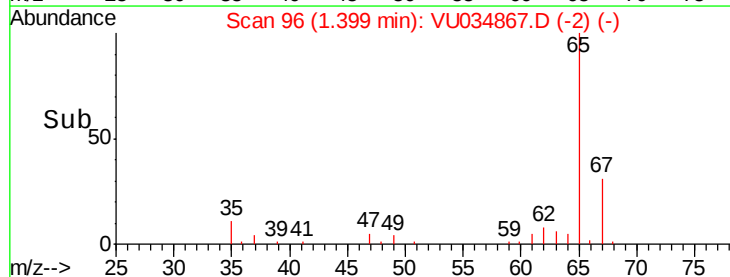
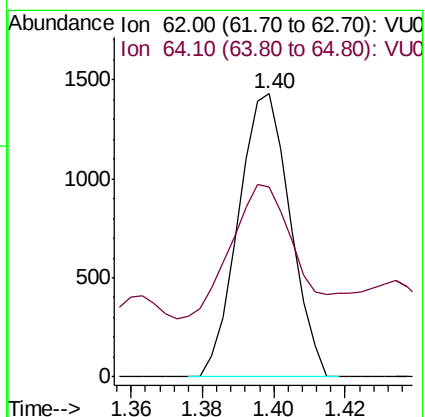
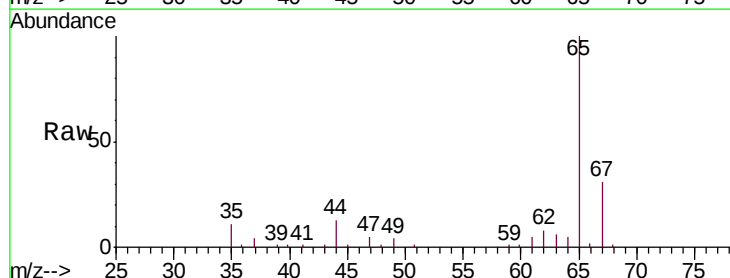
Acq: 27 Sep 2019 11:54

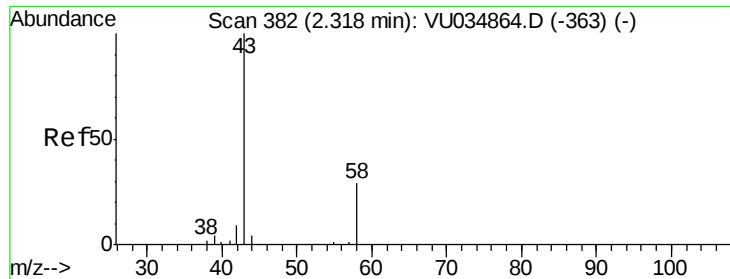
Tgt Ion: 62 Resp: 1431

Ion Ratio Lower Upper

62 100

64 66.9 22.7 42.1#





#13

Acetone

Concen: 1.478 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

Lab File: VU034867.D

Acq: 27 Sep 2019 11:54

Instrument :

MSVOA_U

ClientSampled :

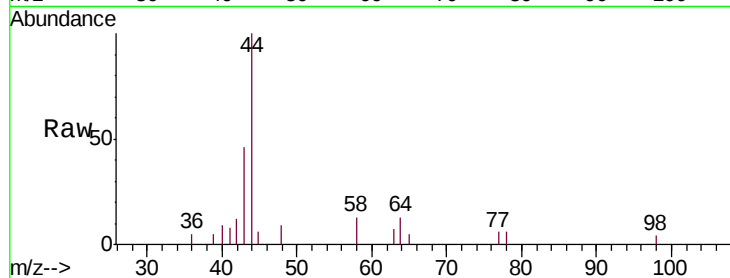
CWK38

Tgt Ion: 43 Resp: 1950

Ion Ratio Lower Upper

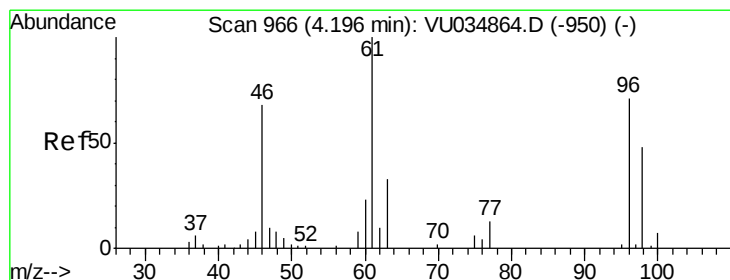
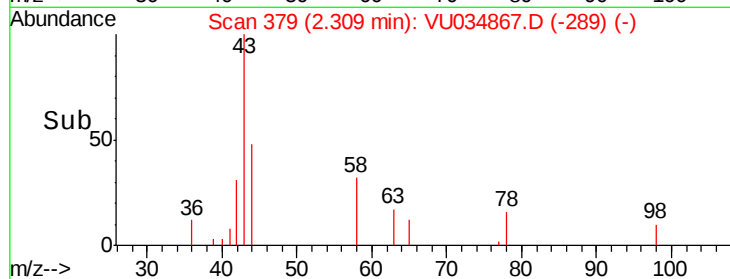
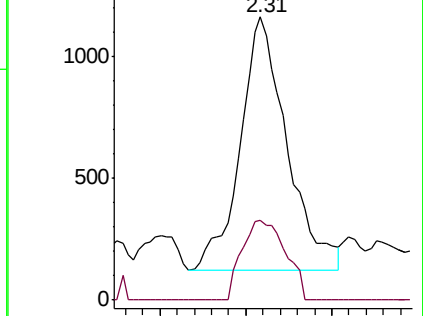
43 100

58 29.5 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU034867.D (-363) (-)

Ion 58.05 (57.75 to 58.75): VU034867.D (-363) (-)



#22

cis-1,2-Dichloroethene

Concen: 4.565 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034867.D

Acq: 27 Sep 2019 11:54

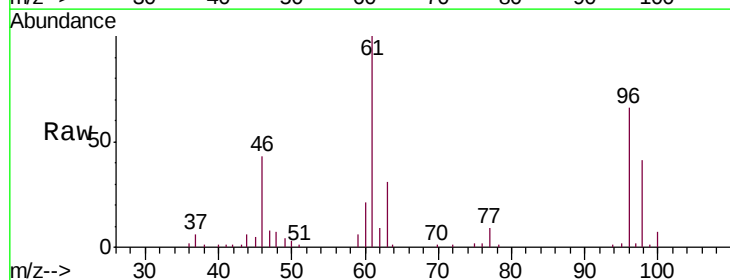
Tgt Ion: 96 Resp: 27316

Ion Ratio Lower Upper

96 100

61 151.6 100.0 185.8

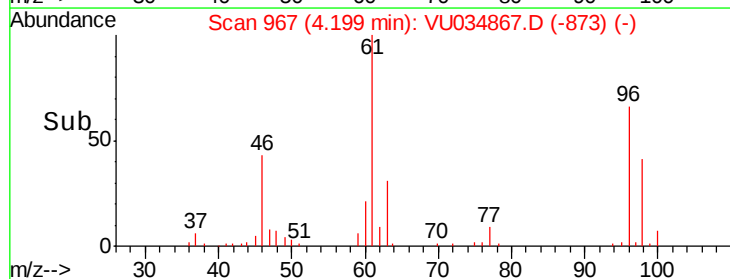
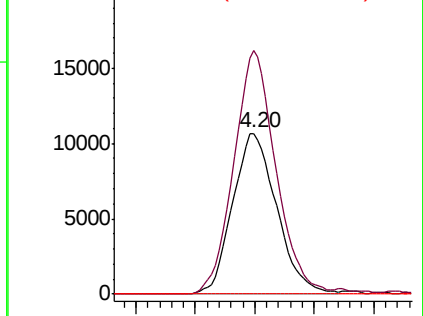
68 0.0 0.0 0.0

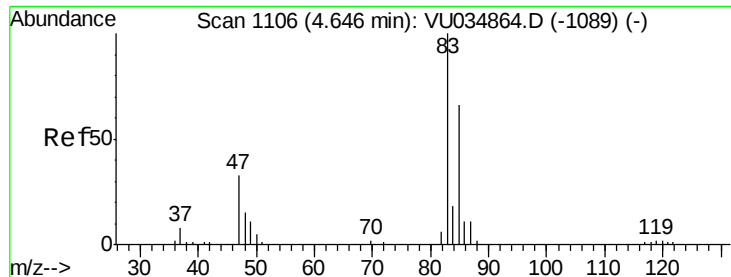


Abundance Ion 96.00 (95.70 to 96.70): VU034867.D (-873) (-)

Ion 61.05 (60.75 to 61.75): VU034867.D (-873) (-)

Ion 68.15 (67.85 to 68.85): VU034867.D (-873) (-)

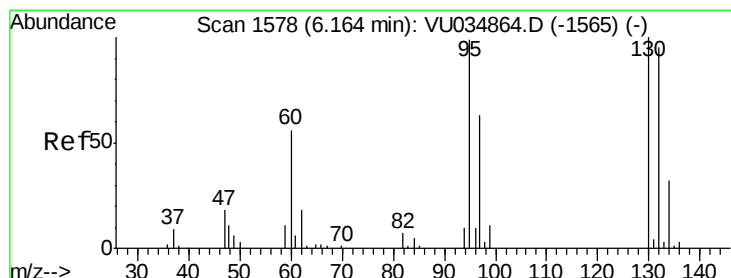
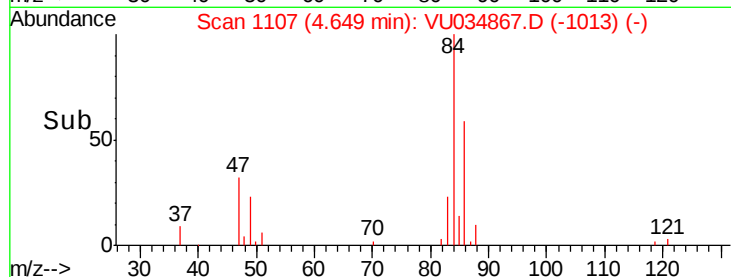
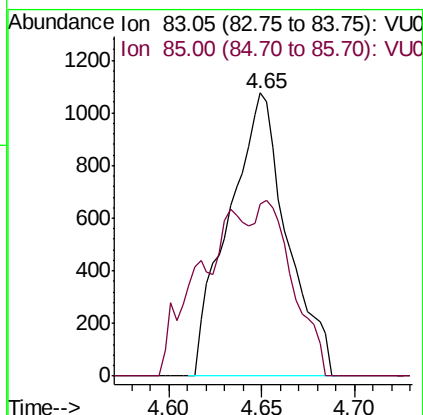
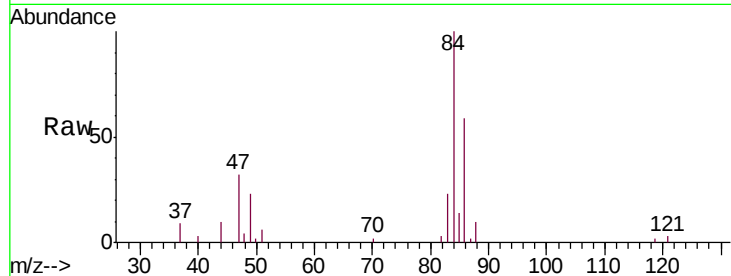




#25
Chloroform
Concen: 0.193 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034867.D
Acq: 27 Sep 2019 11:54

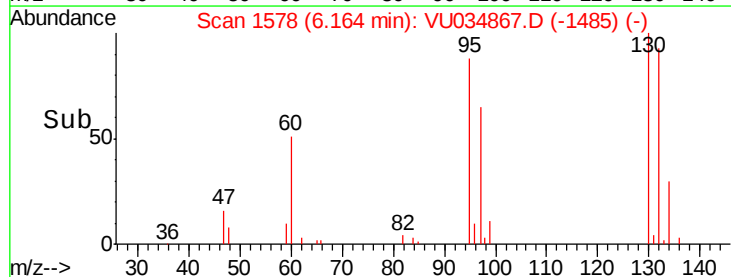
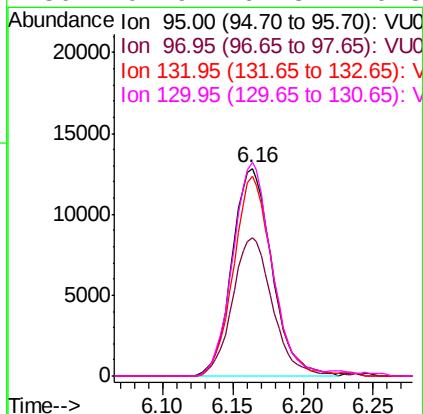
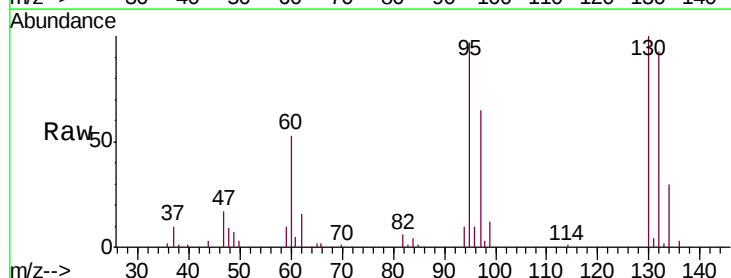
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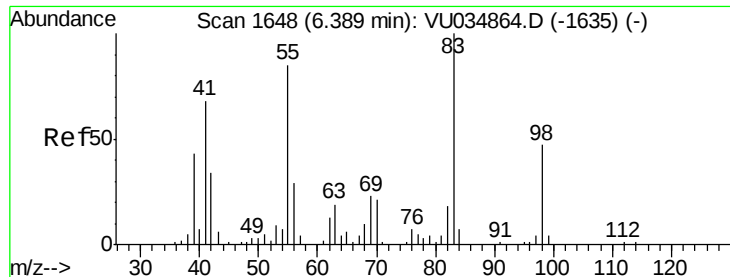
Tgt Ion: 83 Resp: 2363
Ion Ratio Lower Upper
83 100
85 60.7 42.8 79.4



#34
Trichloroethene
Concen: 4.536 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034867.D
Acq: 27 Sep 2019 11:54

Tgt Ion: 95 Resp: 25426
Ion Ratio Lower Upper
95 100
97 66.8 45.2 84.0
132 96.0 60.9 113.1
130 102.9 64.3 119.3

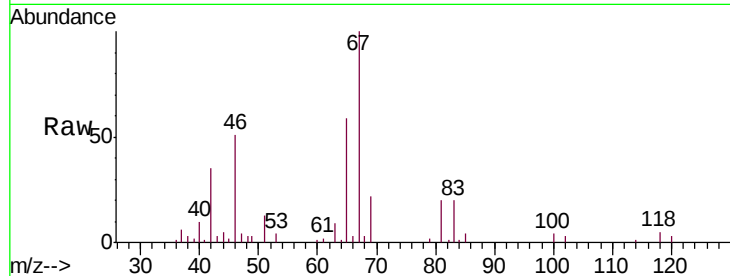




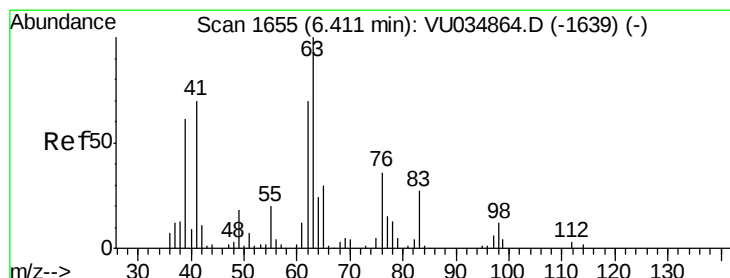
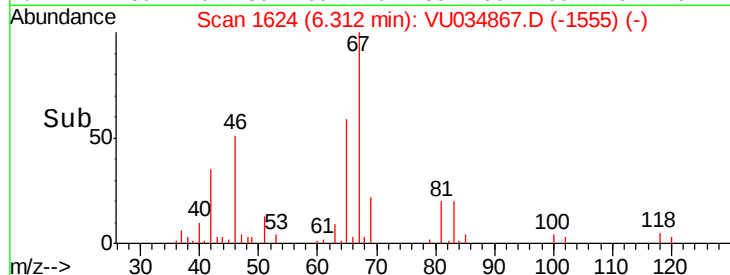
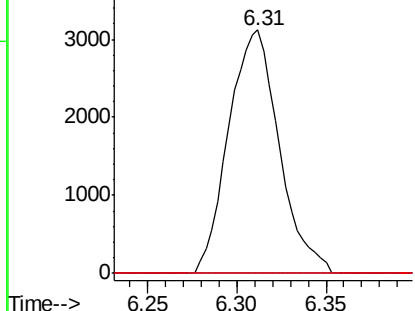
#35
Methylcyclohexane
Concen: 0.679 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU034867.D
Acq: 27 Sep 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
CWK38

Tgt Ion: 83 Resp: 6143
Ion Ratio Lower Upper
83 100
55 0.0 66.8 100.2#
98 0.8 35.4 53.0#

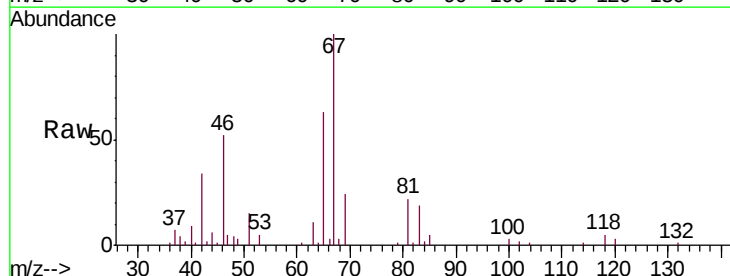


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

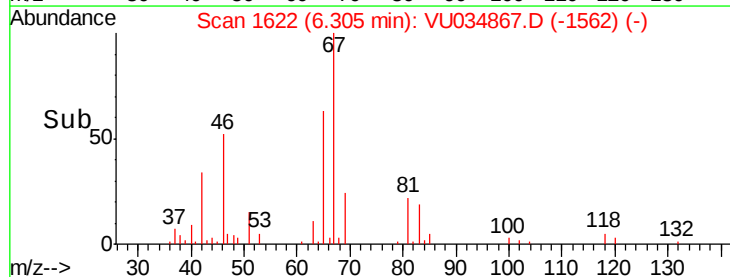
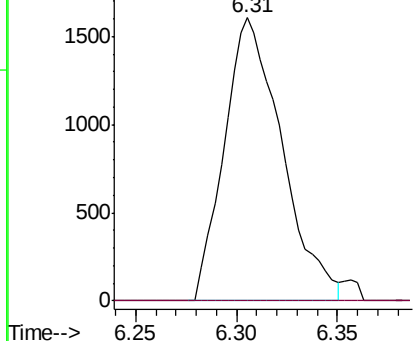


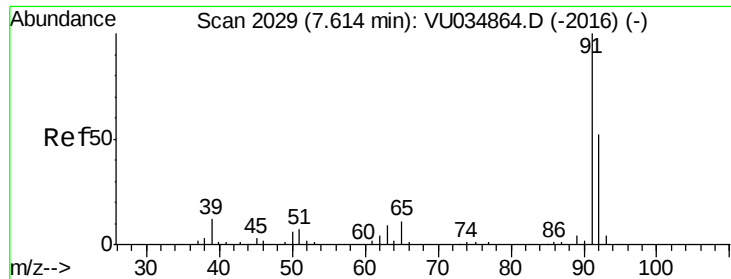
#37
1,2-Dichloropropane
Concen: 0.461 ug/L
RT: 6.31 min Scan# 1622
Delta R.T. -0.11 min
Lab File: VU034867.D
Acq: 27 Sep 2019 11:54

Tgt Ion: 63 Resp: 3200
Ion Ratio Lower Upper
63 100
112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 18.477 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034867.D

Acq: 27 Sep 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

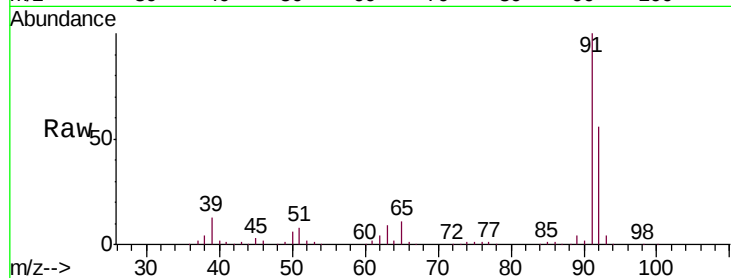
CWK38

Tgt Ion: 91 Resp: 449008

Ion Ratio Lower Upper

91 100

92 56.1 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034867.D (-2120) (-)

Ion 92.15 (91.85 to 92.85): VU034867.D (-2120) (-)

7.61

250000

200000

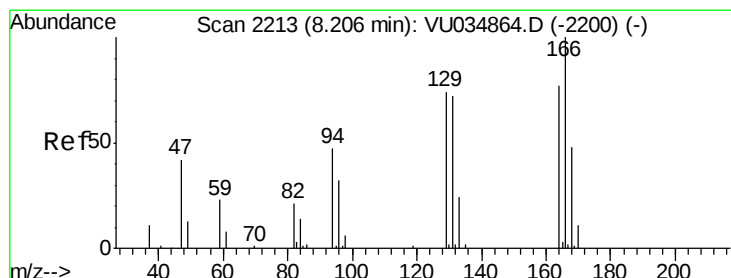
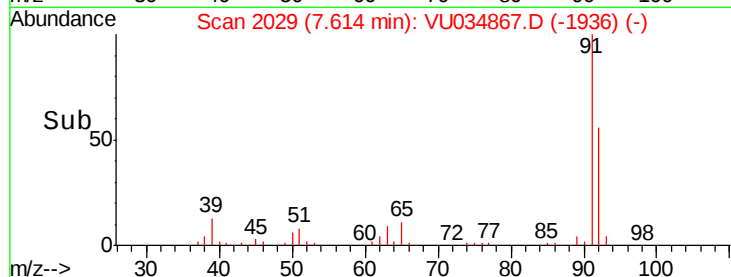
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 1.449 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034867.D

Acq: 27 Sep 2019 11:54

Tgt Ion: 164 Resp: 4923

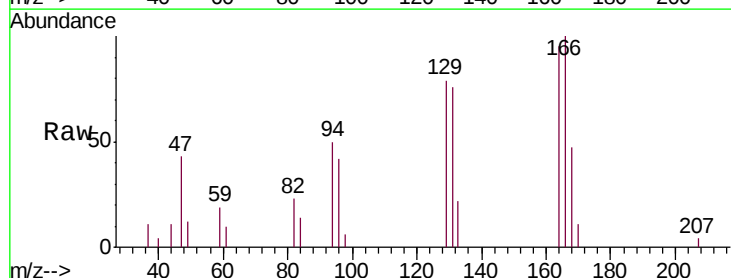
Ion Ratio Lower Upper

164 100

129 82.7 73.6 136.8

131 79.8 73.4 136.4

166 105.2 90.6 168.3



Abundance Ion 163.90 (163.60 to 164.60): VU034867.D (-2120) (-)

Ion 128.95 (128.65 to 129.65): VU034867.D (-2120) (-)

Ion 130.95 (130.65 to 131.65): VU034867.D (-2120) (-)

Ion 165.90 (165.60 to 166.60): VU034867.D (-2120) (-)

8.21

5000

4000

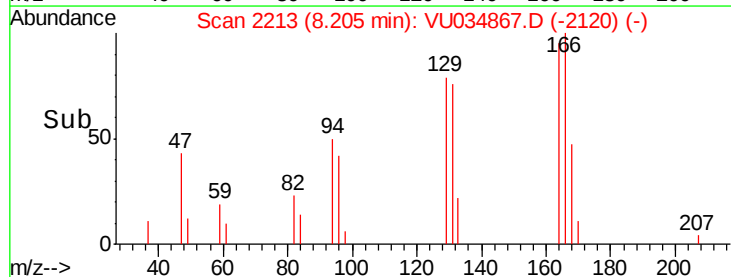
3000

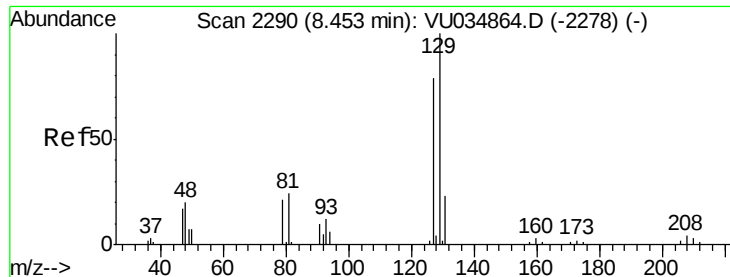
2000

1000

0

Time-->





#49

Dibromochloromethane

Concen: 0.893 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.24 min

Lab File: VU034867.D

Acq: 27 Sep 2019 11:54

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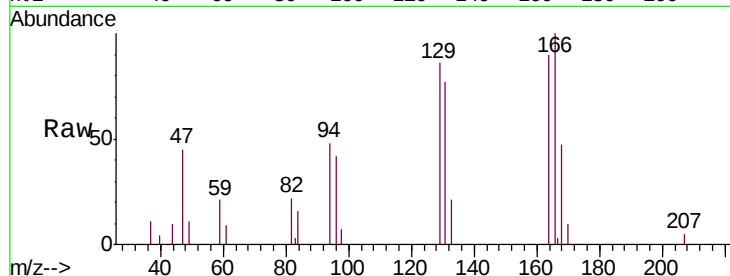
CWK38

Tgt Ion:129 Resp: 4624

Ion Ratio Lower Upper

129 100

127 0.0 53.0 98.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.21

2500

2000

1500

1000

500

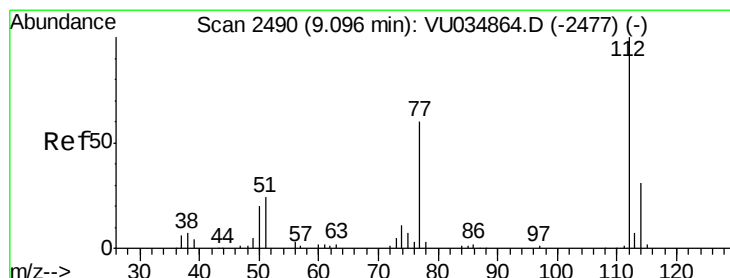
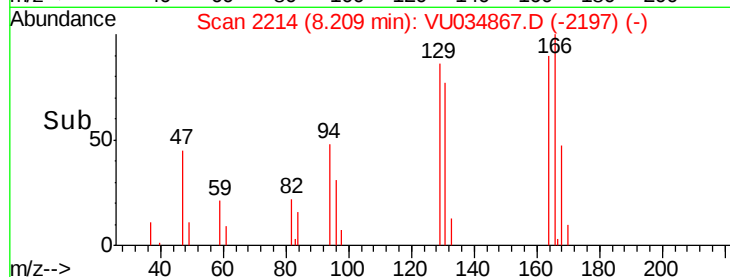
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Time-->

8.15

8.20

8.25



#51

Chlorobenzene

Concen: 0.095 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034867.D

Acq: 27 Sep 2019 11:54

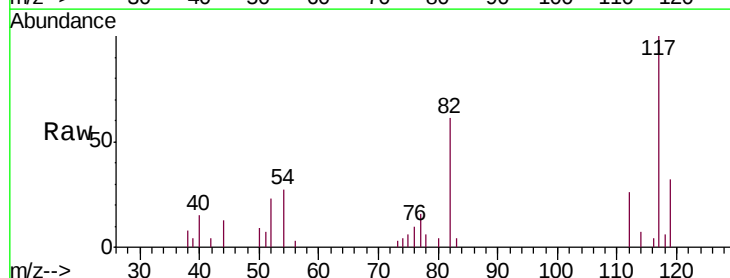
Tgt Ion:112 Resp: 1453

Ion Ratio Lower Upper

112 100

114 26.4 22.5 41.7

77 60.9 50.3 75.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

1200

1000

800

600

400

200

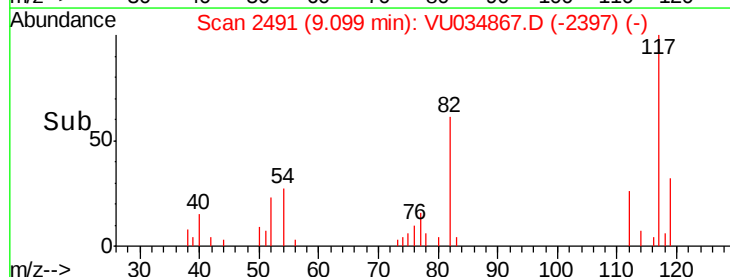
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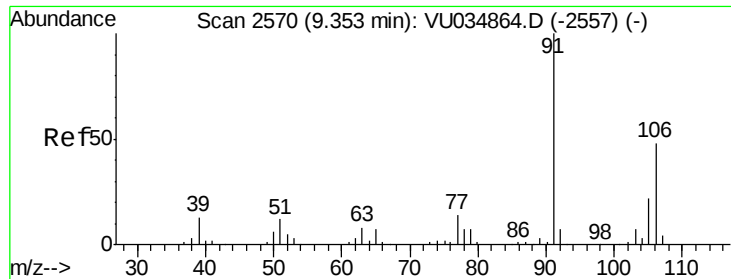
Time-->

9.05

9.10

9.15





#53

m,p-Xylene

Concen: 0.105 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034867.D

Acq: 27 Sep 2019 11:54

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ClientSampleId :

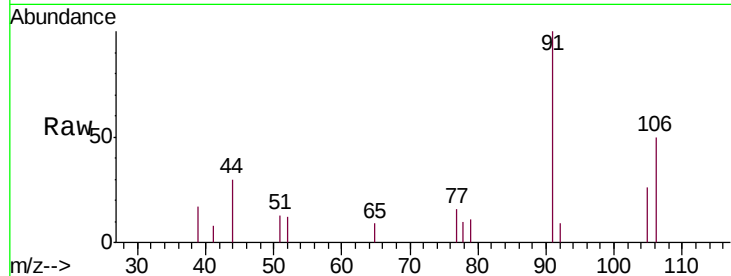
CWK38

Tgt Ion: 106 Resp: 1043

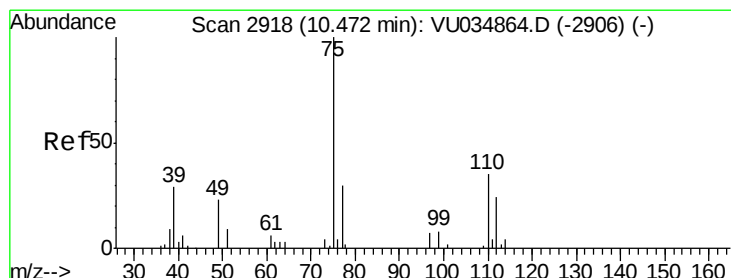
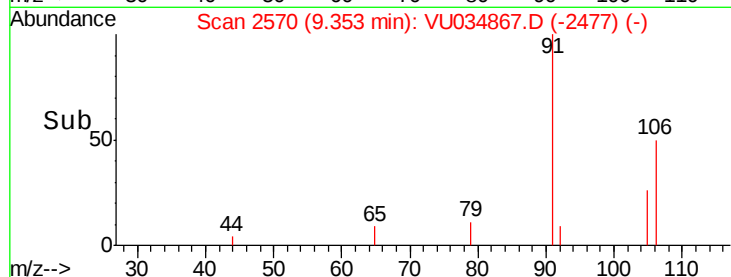
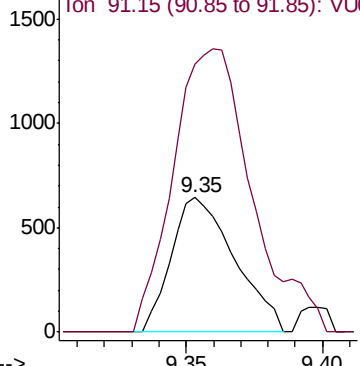
Ion Ratio Lower Upper

106 100

91 198.8 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VU034867.D (-2477) (-)



#59

1,2,3-Trichloropropane

Concen: 1.273 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU034867.D

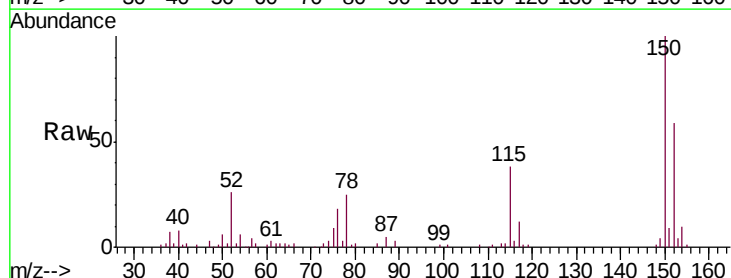
Acq: 27 Sep 2019 11:54

Tgt Ion: 75 Resp: 5772

Ion Ratio Lower Upper

75 100

77 34.2 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU034867.D (-2296) (-)

