

Data File : VU034858.D
Acq On : 26 Sep 2019 21:40
Operator : JC/SP
Sample : K5044-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWK37

Quant Time: Sep 27 05:15:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 27 05:10:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	90156	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	89288	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	40742	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	33455	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.68	69	27838	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.26	63	48892	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	4.17	46	84881	48.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.26%
24) Chloroform-d	4.62	84	50194	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.29	65	26585	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
32) Benzene-d6	5.31	84	104194	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.31	67	35491	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.54	98	98197	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	7.83	79	12450	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.30	63	64102	44.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.80%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	25782	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	32621	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	3152	0.490 ug/L	98
5) Vinyl chloride	1.40	62	2022	0.300 ug/L #	67
8) Chloroethane	1.69	64	441	0.112 ug/L #	42
12) 1,1-Dichloroethene	2.27	96	546	0.123 ug/L #	1
13) Acetone	2.31	43	2400	1.762 ug/L	94
18) trans-1,2-Dichloroethene	2.96	96	525	0.114 ug/L	99
22) cis-1,2-Dichloroethene	4.20	96	50448	8.162 ug/L	95
25) Chloroform	4.65	83	2642	0.209 ug/L	92
34) Trichloroethene	6.16	95	256649	42.647 ug/L	98
37) 1,2-Dichloropropane	6.31	63	3979	0.534 ug/L #	92
42) Toluene	7.61	91	737181	28.256 ug/L	99
47) Tetrachloroethene	8.21	164	5596	1.534 ug/L	95
49) Dibromochloromethane	8.21	129	5450	0.980 ug/L #	12
51) Chlorobenzene	9.10	112	2716	0.166 ug/L	93
52) Ethylbenzene	9.36	91	4502	0.149 ug/L	87
53) m,p-Xylene	9.35	106	1893	0.177 ug/L	75
59) 1,2,3-Trichloropropane	11.46	75	6365	1.307 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092719\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 27 05:10:18 2019
Response via : Initial Calibration

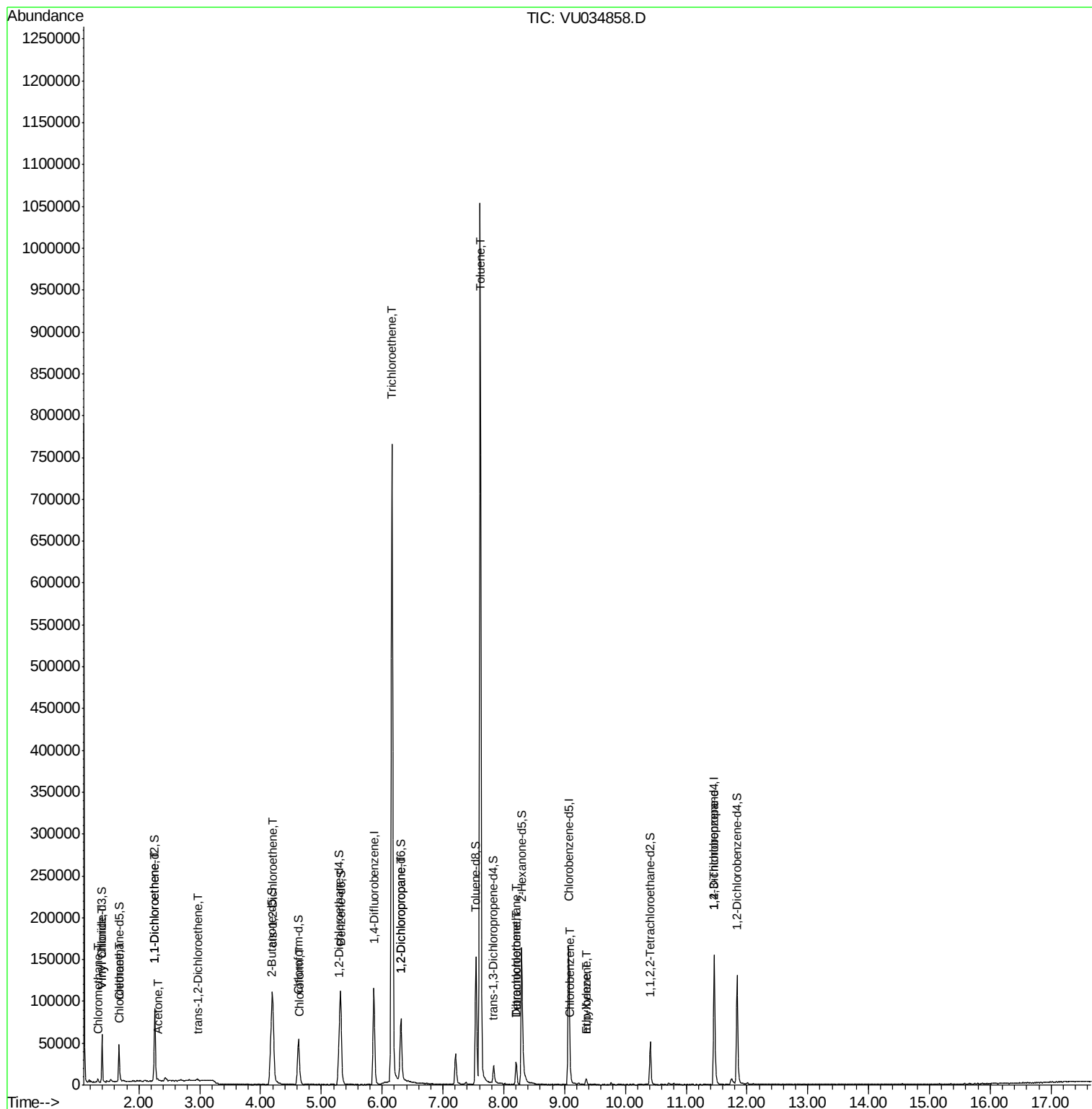
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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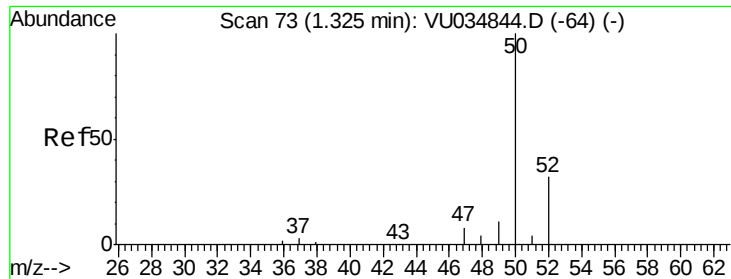
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.490 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

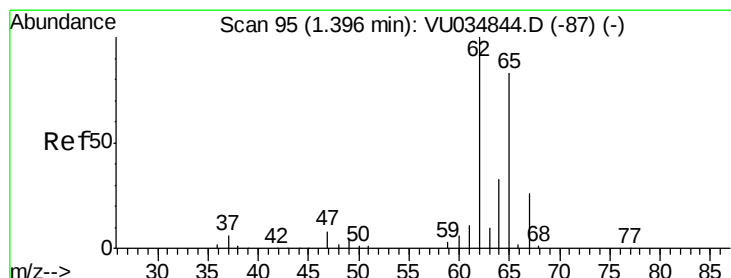
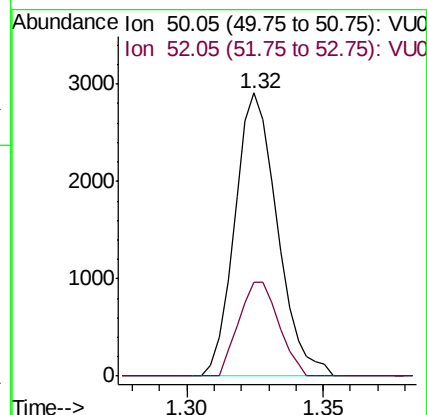
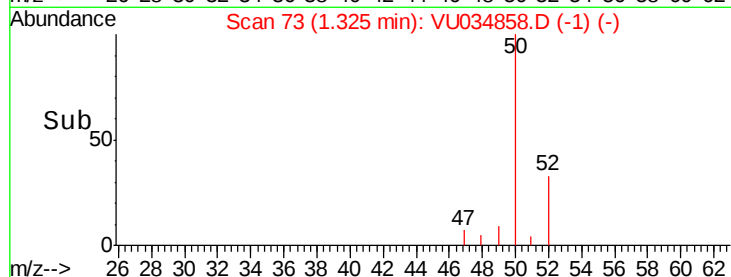
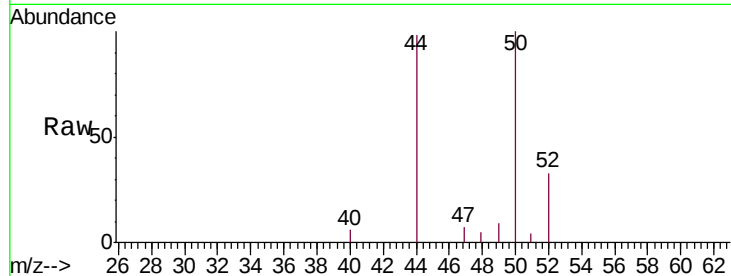
CWK37

Tgt Ion: 50 Resp: 3152

Ion Ratio Lower Upper

50 100

52 33.0 23.9 44.3



#5

Vinyl chloride

Concen: 0.300 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034858.D

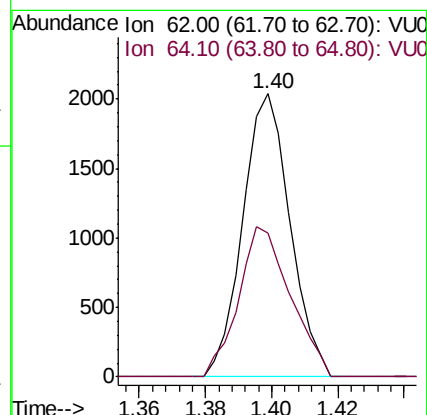
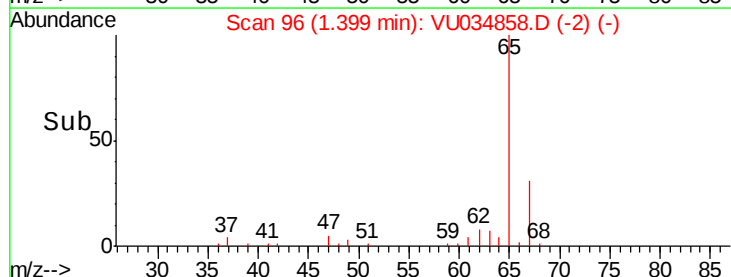
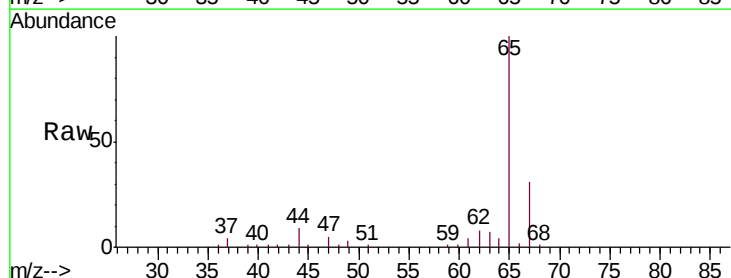
Acq: 26 Sep 2019 21:40

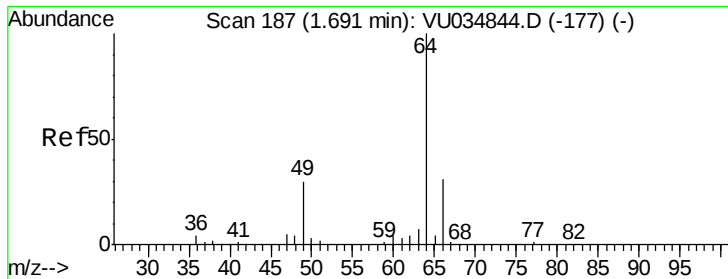
Tgt Ion: 62 Resp: 2022

Ion Ratio Lower Upper

62 100

64 50.9 22.7 42.1#





#8

Chloroethane

Concen: 0.112 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

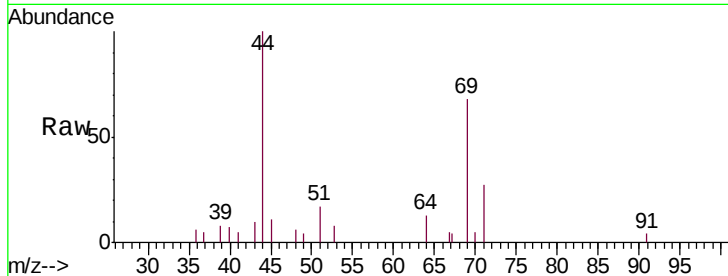
CWK37

Tgt Ion: 64 Resp: 441

Ion Ratio Lower Upper

64 100

66 0.0 22.6 42.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.69

400

300

200

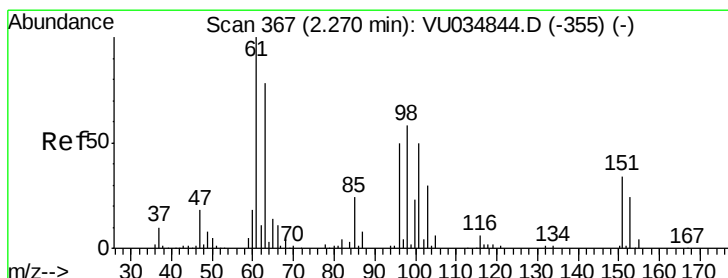
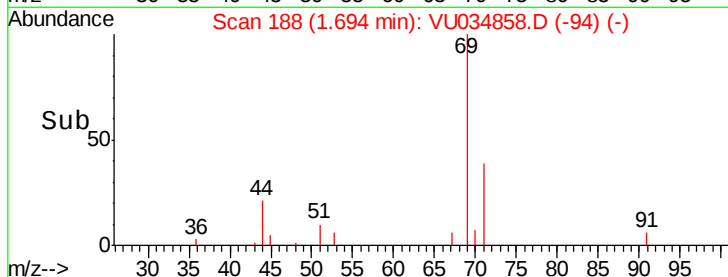
100

0

1.68

1.70

Time-->



#12

1,1-Dichloroethene

Concen: 0.123 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

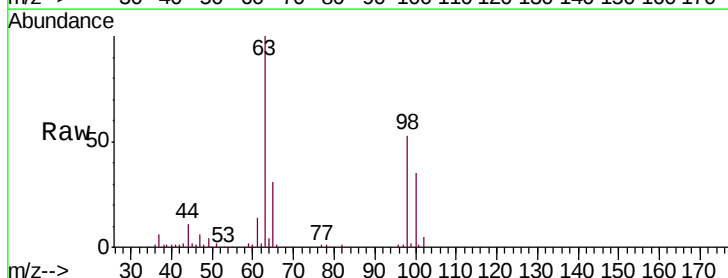
Tgt Ion: 96 Resp: 546

Ion Ratio Lower Upper

96 100

61 1051.4 144.4 268.2#

63 7588.4 111.5 207.1#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

40000

30000

20000

10000

0

2.22

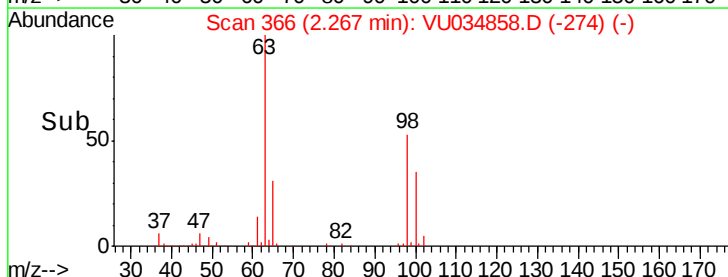
2.24

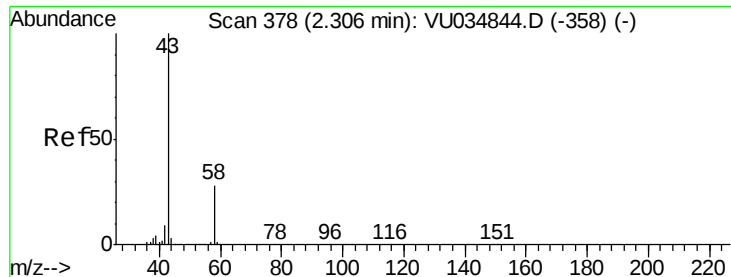
2.26

2.28

2.30

Time-->





#13

Acetone

Concen: 1.762 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

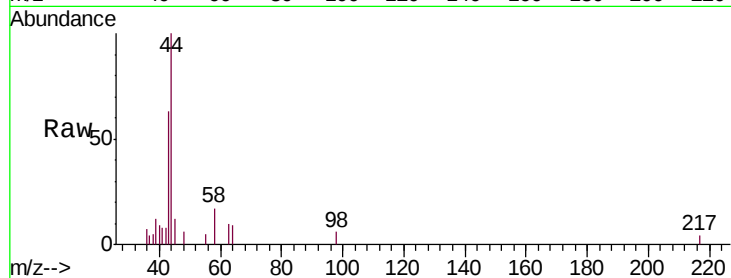
CWK37

Tgt Ion: 43 Resp: 2400

Ion Ratio Lower Upper

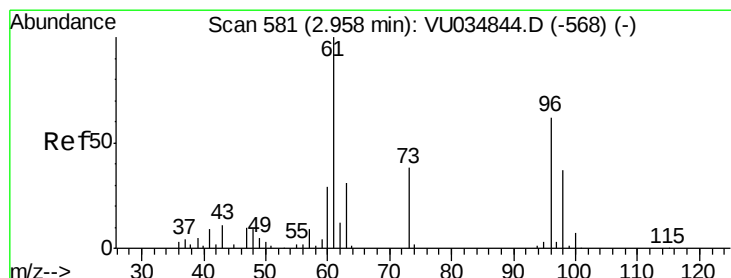
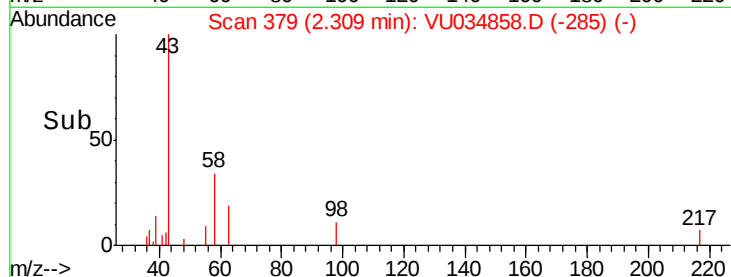
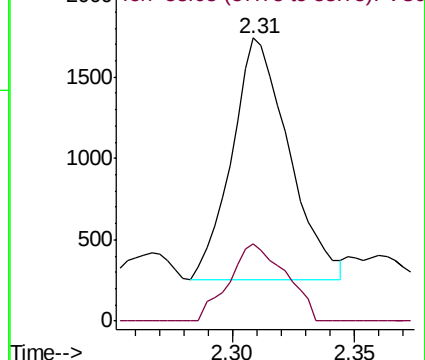
43 100

58 32.1 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU034844.D (-358) (-)

Ion 58.05 (57.75 to 58.75): VU034844.D (-358) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.114 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

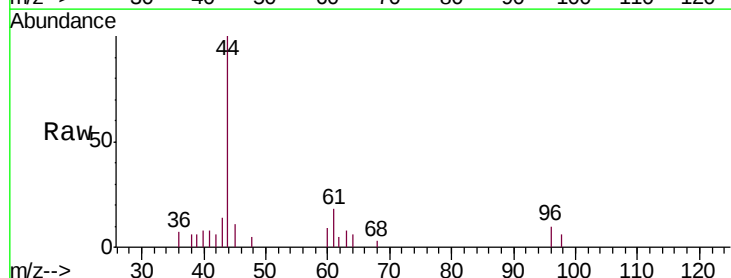
Tgt Ion: 96 Resp: 525

Ion Ratio Lower Upper

96 100

61 170.7 118.2 219.6

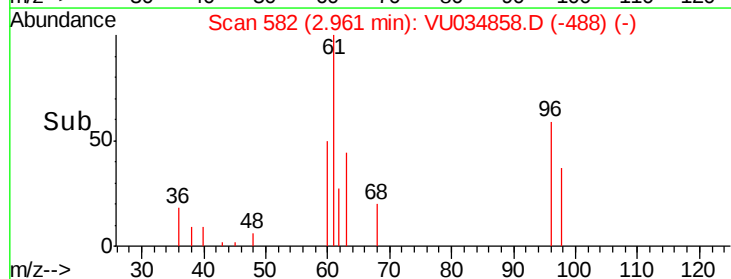
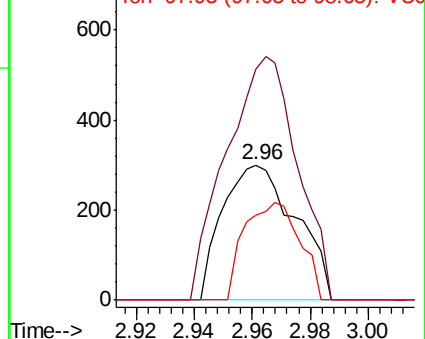
98 63.0 44.8 83.2

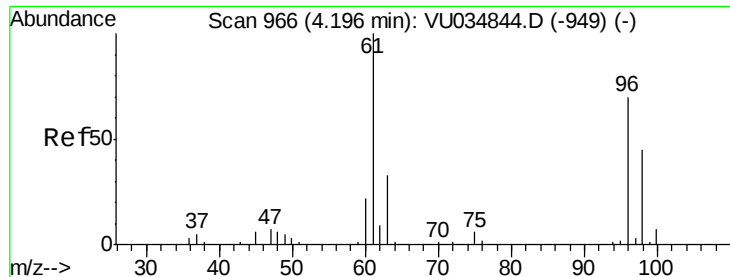


Abundance Ion 96.00 (95.70 to 96.70): VU034844.D (-568) (-)

Ion 61.05 (60.75 to 61.75): VU034844.D (-568) (-)

Ion 97.95 (97.65 to 98.65): VU034844.D (-568) (-)



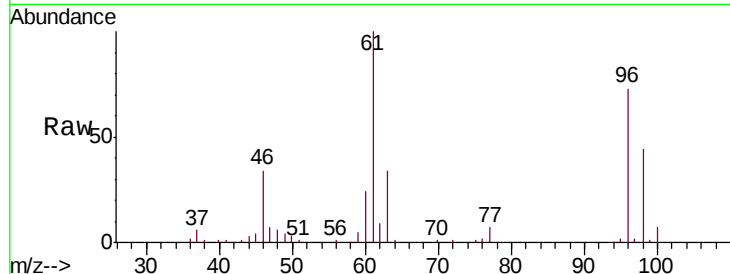


#22

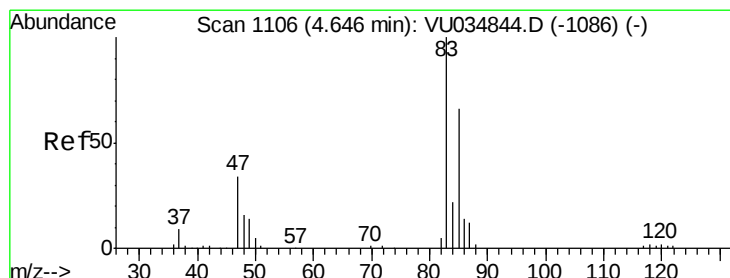
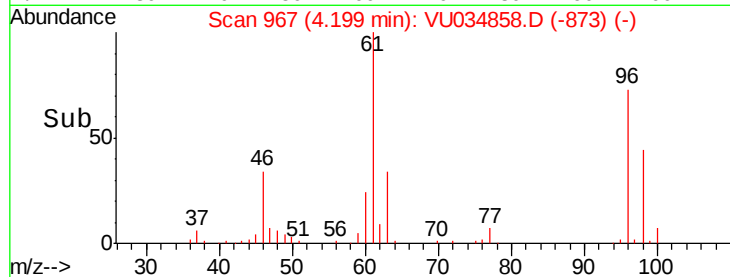
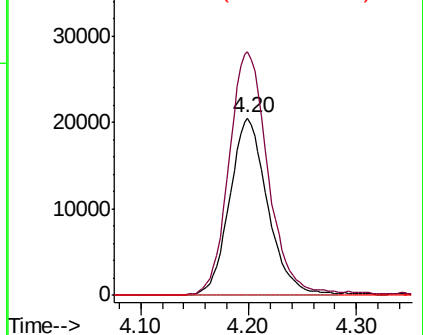
cis-1,2-Dichloroethene
 Concen: 8.162 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034858.D
 Acq: 26 Sep 2019 21:40

Instrument :
 MSVOA_U
 ClientSampleId :
 CWK37

Tgt Ion: 96 Resp: 50448
 Ion Ratio Lower Upper
 96 100
 61 137.2 100.0 185.8
 68 0.0 0.0 0.0



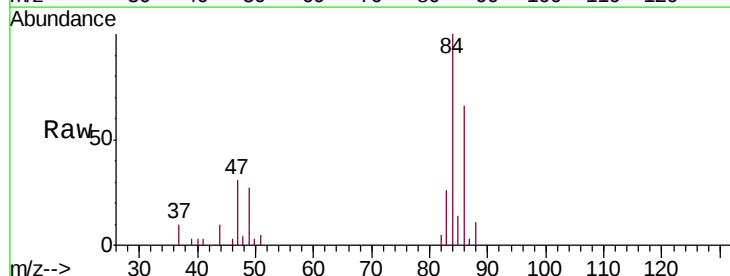
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



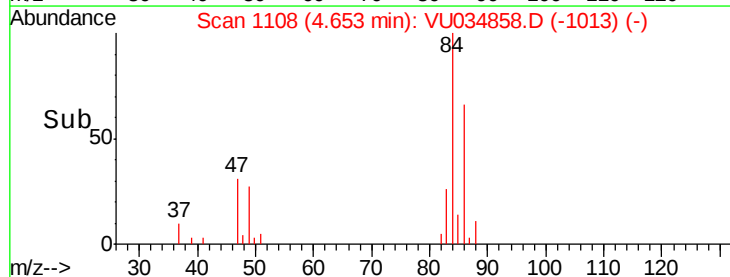
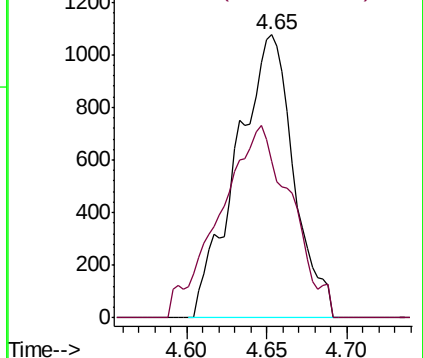
#25

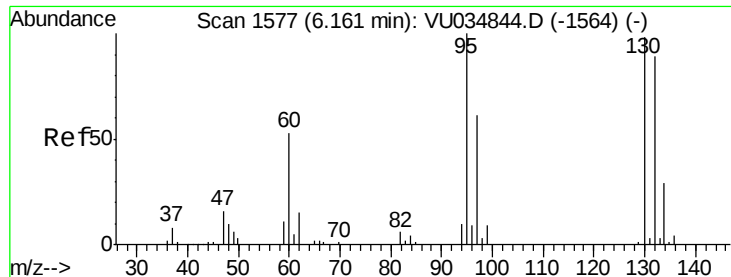
Chloroform
 Concen: 0.209 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: VU034858.D
 Acq: 26 Sep 2019 21:40

Tgt Ion: 83 Resp: 2642
 Ion Ratio Lower Upper
 83 100
 85 55.3 42.8 79.4



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

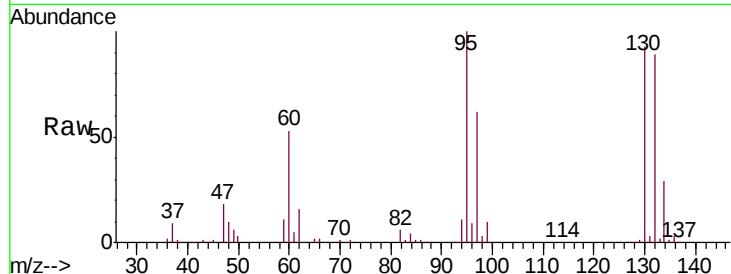




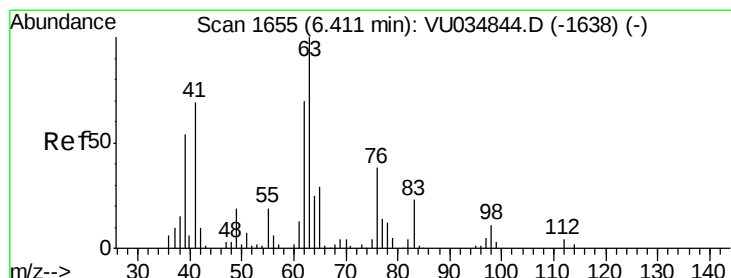
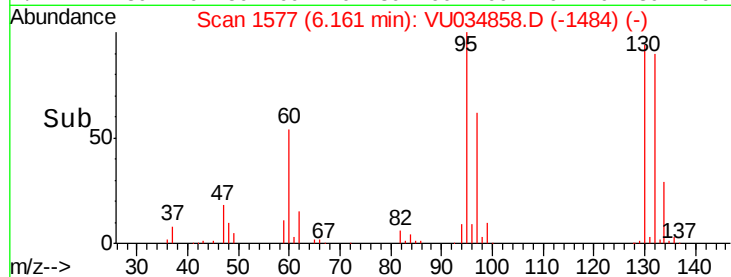
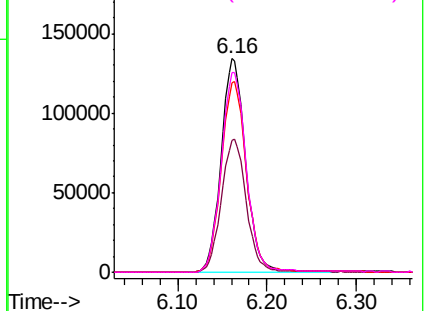
#34
 Trichloroethene
 Concen: 42.647 ug/L
 RT: 6.16 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VU034858.D
 Acq: 26 Sep 2019 21:40

Instrument :
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 CWK37

Tgt Ion: 95 Resp: 256649
 Ion Ratio Lower Upper
 95 100
 97 61.6 45.2 84.0
 132 88.7 60.9 113.1
 130 93.4 64.3 119.3

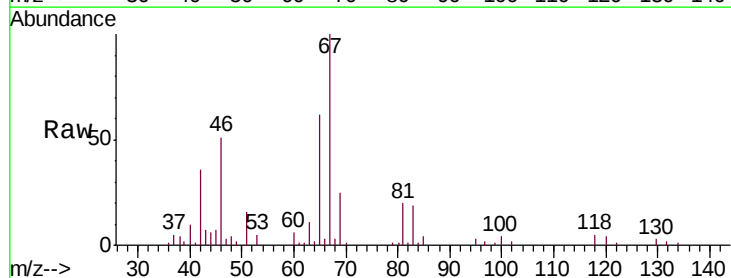


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

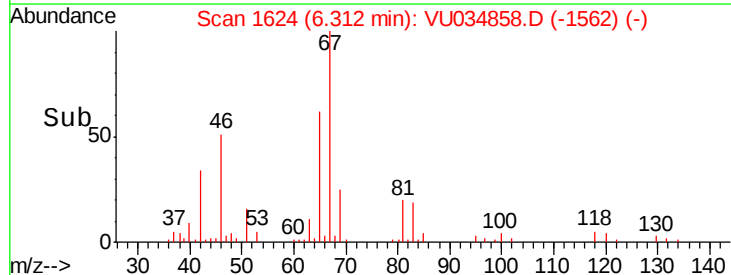
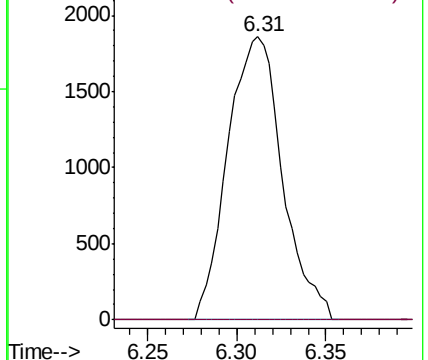


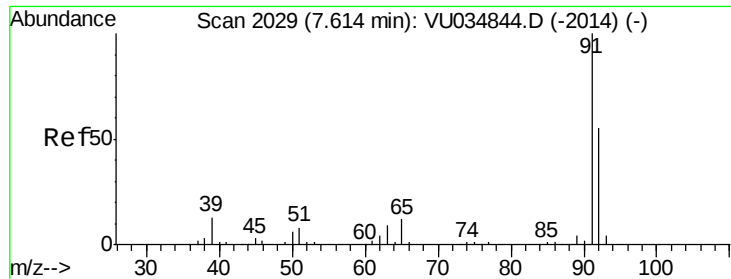
#37
 1,2-Dichloropropane
 Concen: 0.534 ug/L
 RT: 6.31 min Scan# 1624
 Delta R.T. -0.10 min
 Lab File: VU034858.D
 Acq: 26 Sep 2019 21:40

Tgt Ion: 63 Resp: 3979
 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: 28.256 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

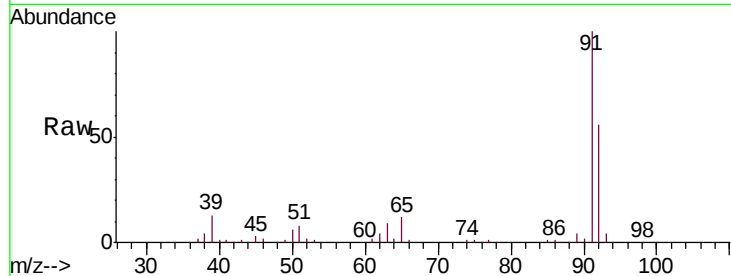
CWK37

Tgt Ion: 91 Resp: 737181

Ion Ratio Lower Upper

91 100

92 55.9 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034844.D (-2014) (-)

Ion 92.15 (91.85 to 92.85): VU034844.D (-2014) (-)

7.61

400000

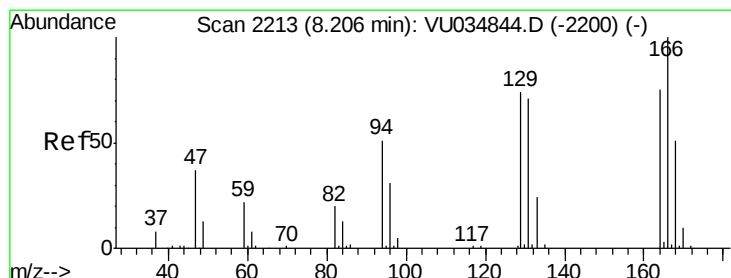
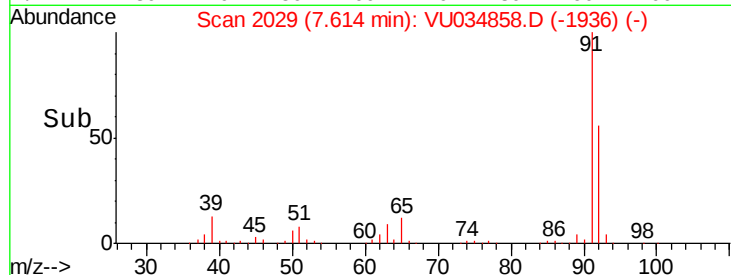
300000

200000

100000

0

Time-->



#47

Tetrachloroethene

Concen: 1.534 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

Tgt Ion: 164 Resp: 5596

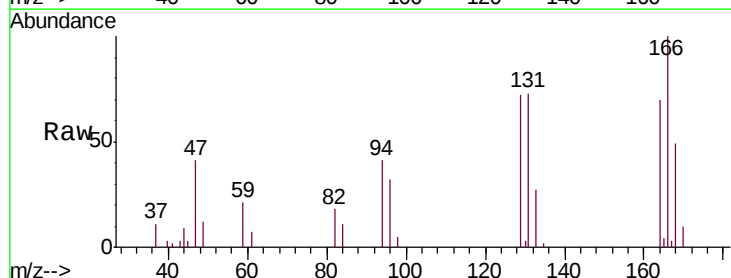
Ion Ratio Lower Upper

164 100

129 102.9 73.6 136.8

131 104.8 73.4 136.4

166 143.8 90.6 168.3



Abundance Ion 163.90 (163.60 to 164.60): VU034844.D (-2200) (-)

Ion 128.95 (128.65 to 129.65): VU034844.D (-2200) (-)

Ion 130.95 (130.65 to 131.65): VU034844.D (-2200) (-)

Ion 165.90 (165.60 to 166.60): VU034844.D (-2200) (-)

8.21

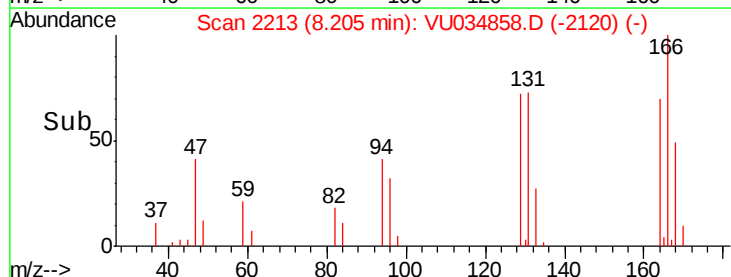
6000

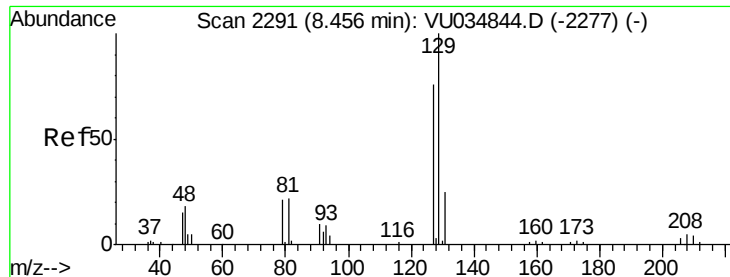
4000

2000

0

Time-->





#49

Dibromochloromethane

Concen: 0.980 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

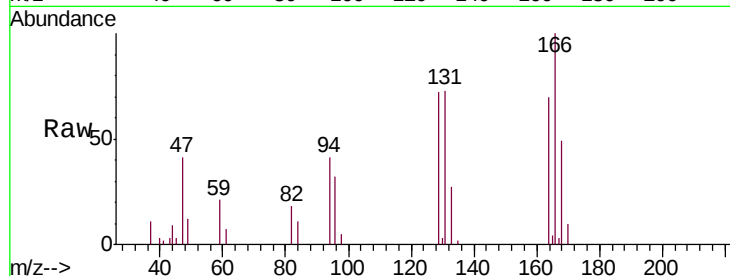
CWK37

Tgt Ion:129 Resp: 5450

Ion Ratio Lower Upper

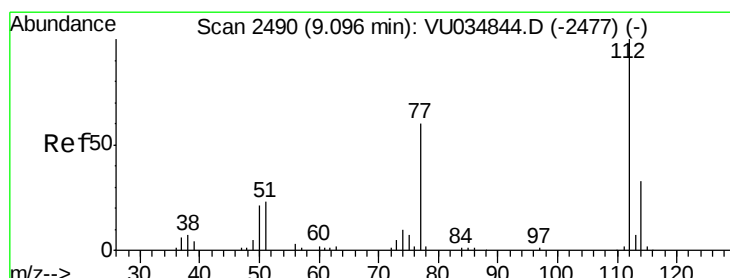
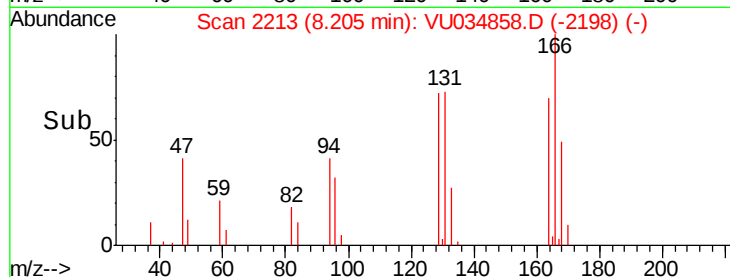
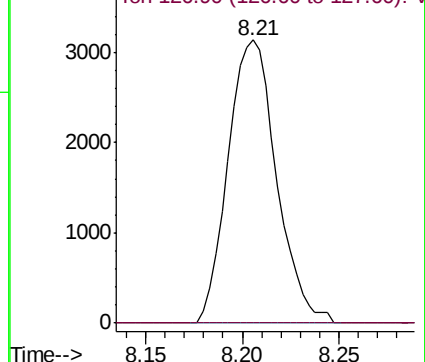
129 100

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



#51

Chlorobenzene

Concen: 0.166 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.01 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

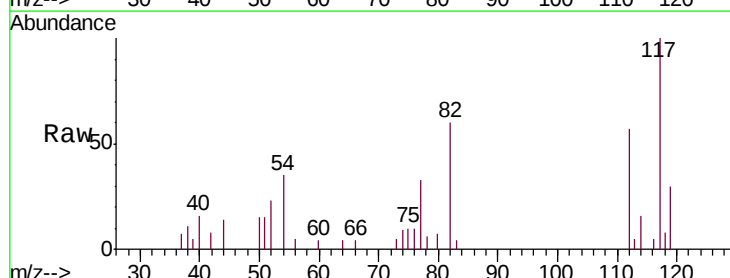
Tgt Ion:112 Resp: 2716

Ion Ratio Lower Upper

112 100

114 28.2 22.5 41.7

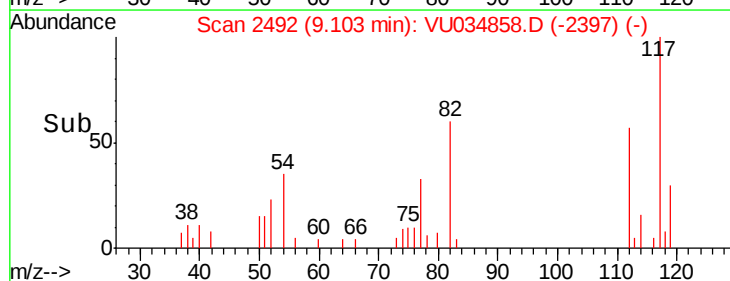
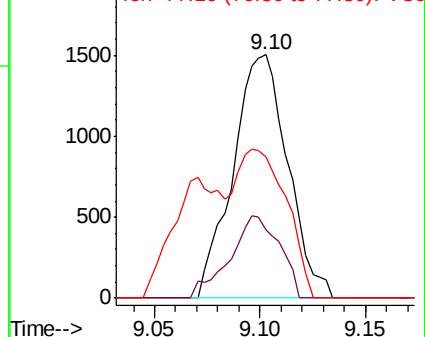
77 57.9 50.3 75.5

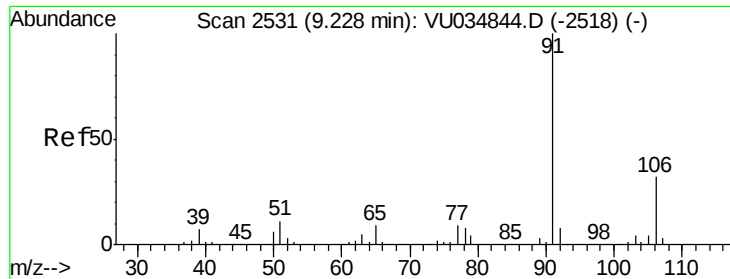


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 0.149 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.13 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

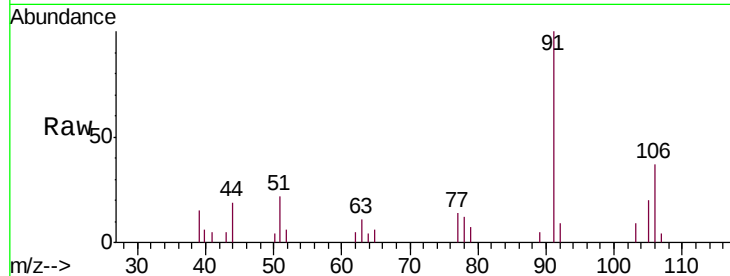
CWK37

Tgt Ion: 91 Resp: 4502

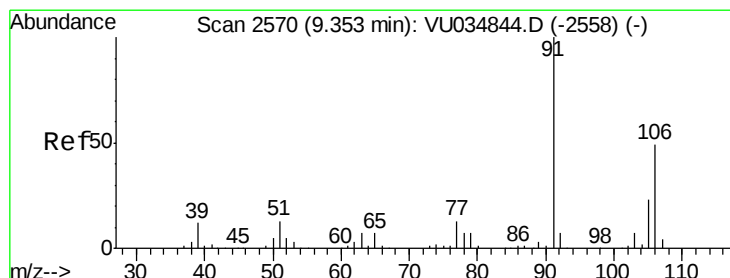
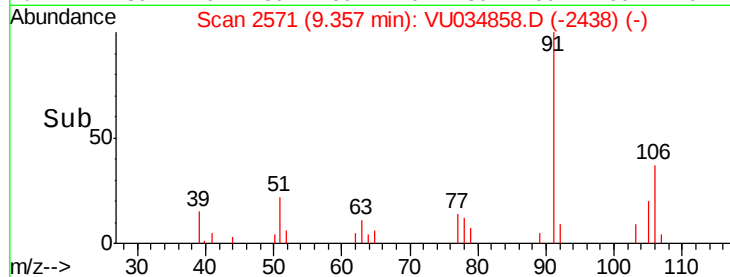
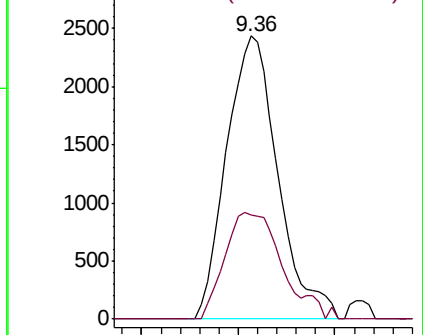
Ion Ratio Lower Upper

91 100

106 36.9 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU034844.D (-2518) (-)



#53

m,p-Xylene

Concen: 0.177 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034858.D

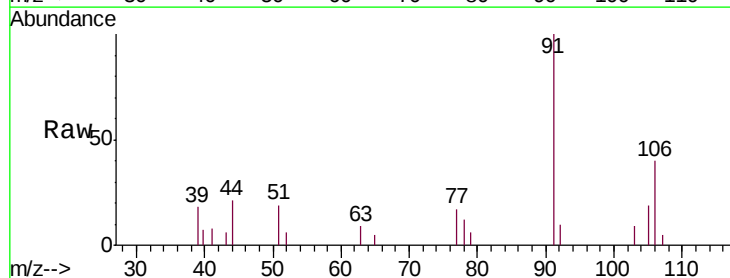
Acq: 26 Sep 2019 21:40

Tgt Ion: 106 Resp: 1893

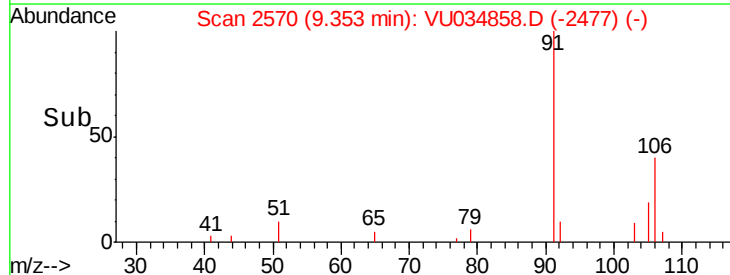
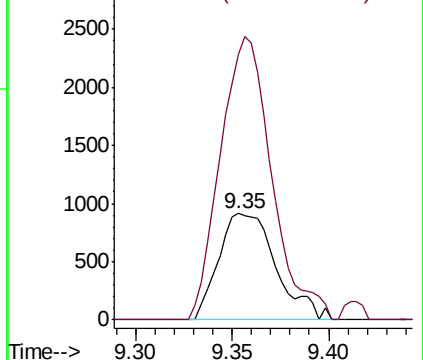
Ion Ratio Lower Upper

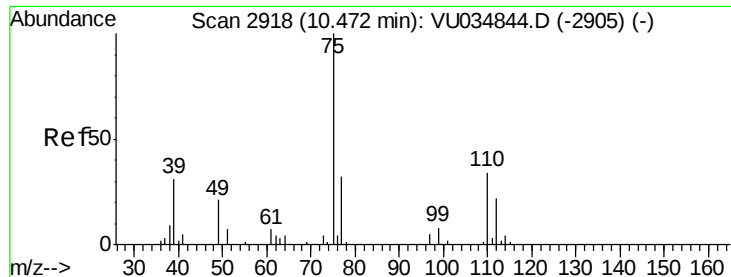
106 100

91 250.2 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VU034844.D (-2558) (-)





#59

1,2,3-Trichloropropane

Concen: 1.307 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

CWK37

Tgt Ion: 75 Resp: 6365

Ion Ratio Lower Upper

75 100

77 34.2 26.0 39.0

