

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
 Data File : VU032848.D
 Acq On : 19 Jun 2019 11:10
 Operator : JC/SP
 Sample : K3413-21MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALG8MS

Quant Time: Jun 20 05:17:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 20 05:14:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	96384	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	94100	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	49562	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	31153	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.68	69	26119	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.27	63	67058	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.40%
20) 2-Butanone-d5	4.18	46	104512	59.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.52%
24) Chloroform-d	4.64	84	65215	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.00%
26) 1,2-Dichloroethane-d4	5.30	65	37742	6.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	128.80%
32) Benzene-d6	5.33	84	125716	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.32	67	40677	5.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.80%
41) Toluene-d8	7.56	98	113382	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	7.85	79	17573	5.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	114.00%
46) 2-Hexanone-d5	8.31	63	81140	52.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.10%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	34025	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	49105	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.28	96	28468	4.649 ug/L	89
13) Acetone	2.32	43	2680	1.974 ug/L	88
27) 1,2-Dichloroethane	5.38	62	1450	0.183 ug/L #	76
33) Benzene	5.38	78	137961	4.973 ug/L	100
34) Trichloroethene	6.18	95	37960	4.757 ug/L	98
35) Methylcyclohexane	6.32	83	9723	0.758 ug/L #	19
37) 1,2-Dichloropropane	6.32	63	4807	0.670 ug/L #	89
42) Toluene	7.63	91	147600	4.773 ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	797	0.091 ug/L	96
45) 1,1,2-Trichloroethane	8.22	97	1055	0.202 ug/L #	3
47) Tetrachloroethene	8.22	164	121046	19.275 ug/L	97
48) 2-Hexanone	8.37	43	3875	1.061 ug/L #	74
49) Dibromochloromethane	8.22	129	115638	17.311 ug/L #	12
51) Chlorobenzene	9.11	112	98418	5.077 ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	5841	1.239 ug/L #	83

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 20 05:14:15 2019
Response via : Initial Calibration

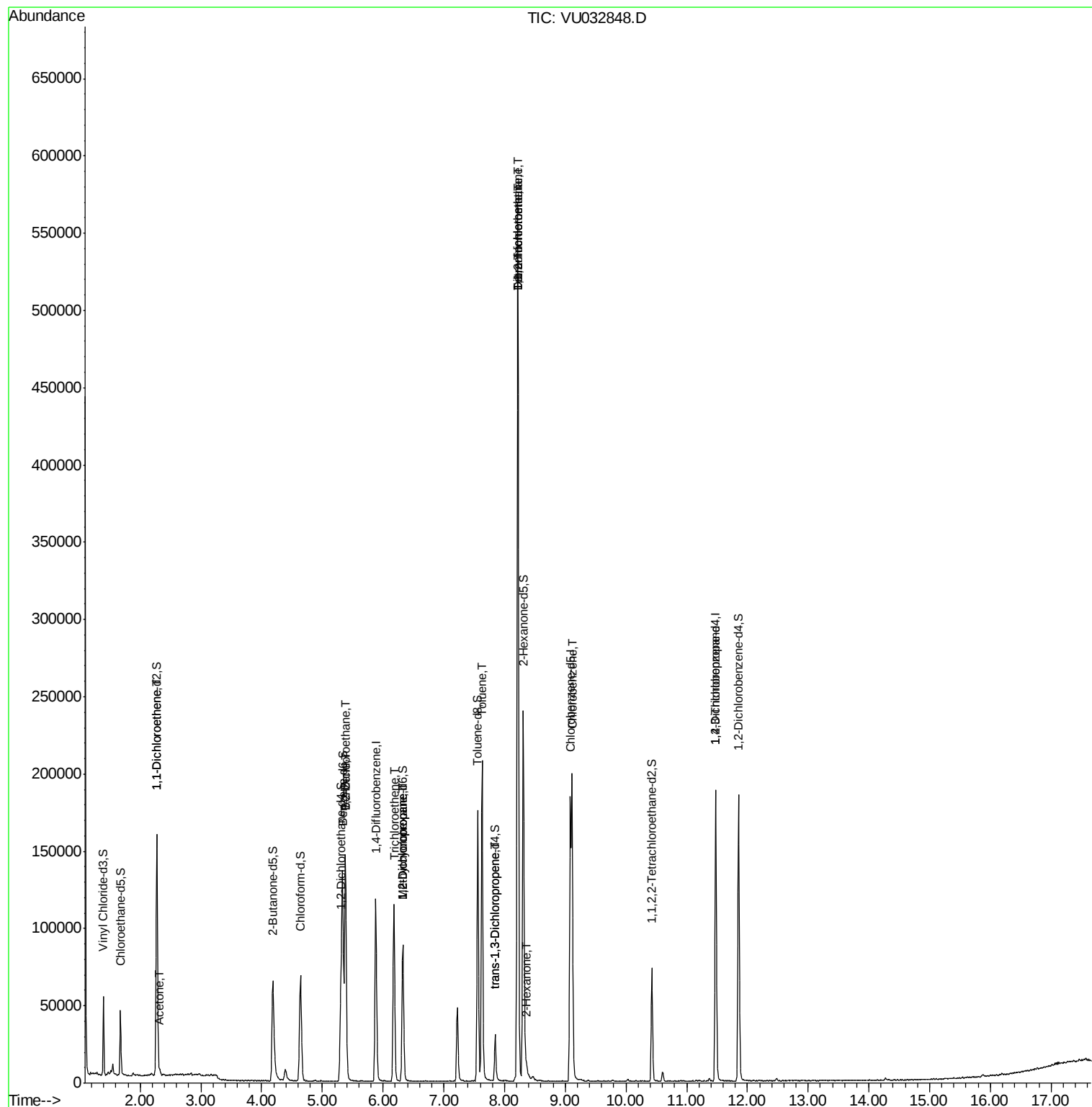
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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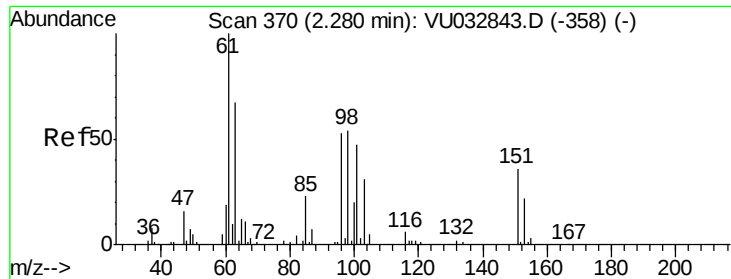
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
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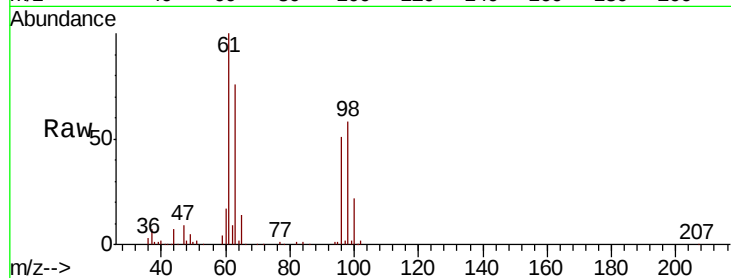




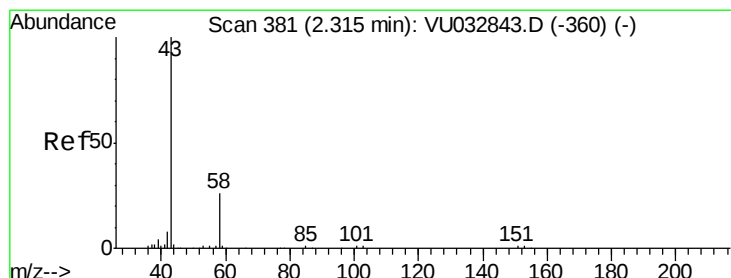
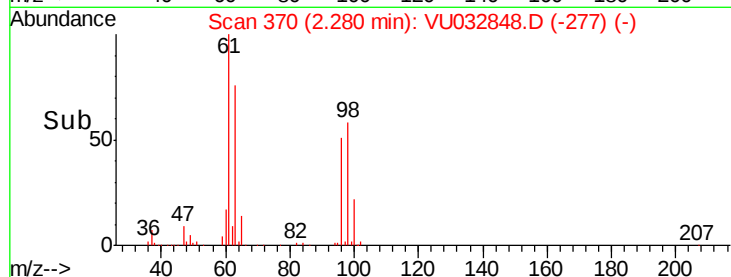
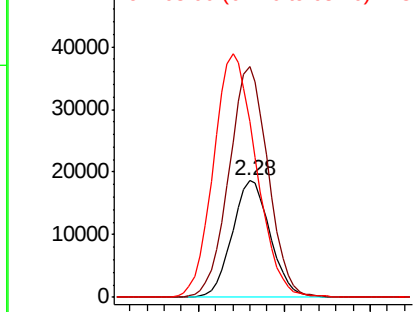
#12
 1,1-Dichloroethene
 Concen: 4.649 ug/L
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU032848.D
 Acq: 19 Jun 2019 11:10

Instrument :
 MSVOA_U
 ClientSampleId :
 GALG8MS

Tgt Ion: 96 Resp: 28468
 Ion Ratio Lower Upper
 96 100
 61 197.5 131.8 244.8
 63 150.5 90.1 167.3

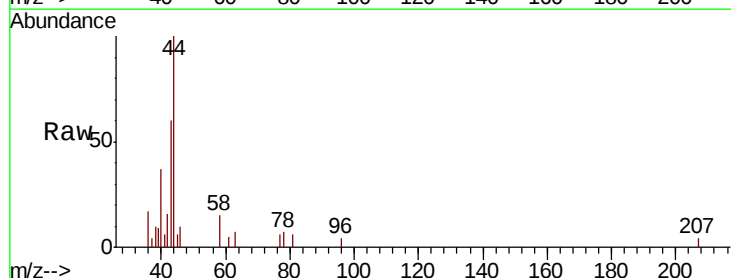


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 63.00 (62.70 to 63.70): VU0

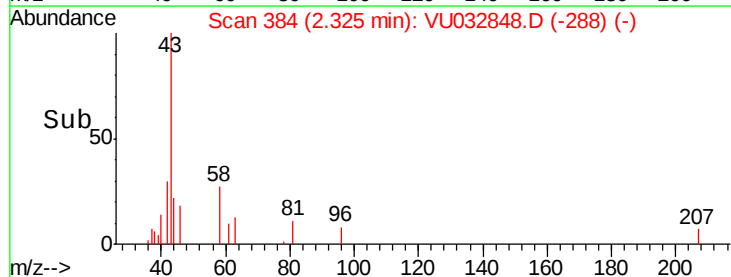
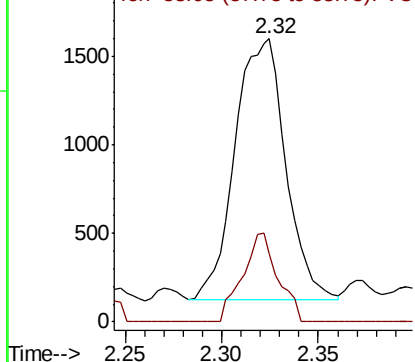


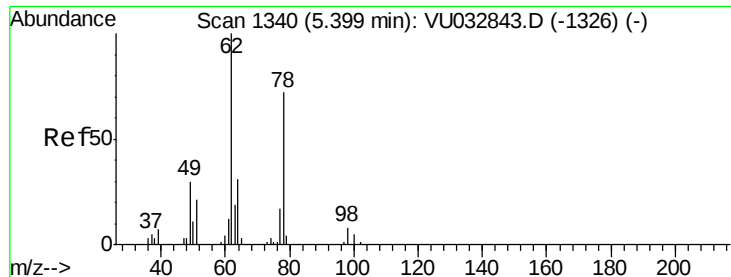
#13
 Acetone
 Concen: 1.974 ug/L
 RT: 2.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VU032848.D
 Acq: 19 Jun 2019 11:10

Tgt Ion: 43 Resp: 2680
 Ion Ratio Lower Upper
 43 100
 58 23.9 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0





#27

1,2-Dichloroethane

Concen: 0.183 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VU032848.D

Acq: 19 Jun 2019 11:10

Instrument :

MSVOA_U

ClientSampleId :

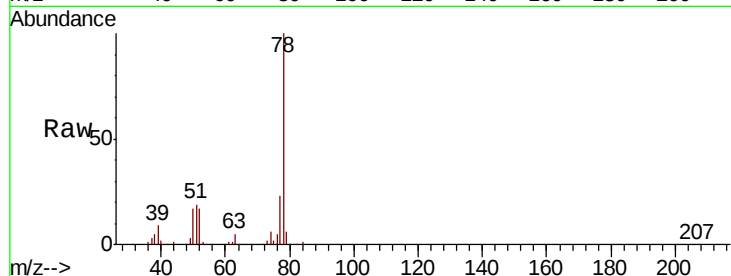
GALG8MS

Tgt Ion: 62 Resp: 1450

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.6#



Abundance Ion 62.00 (61.70 to 62.70): VU032848.D (-1335) (-)

Ion 98.05 (97.75 to 98.75): VU032848.D (-1335) (-)

5.38

600

400

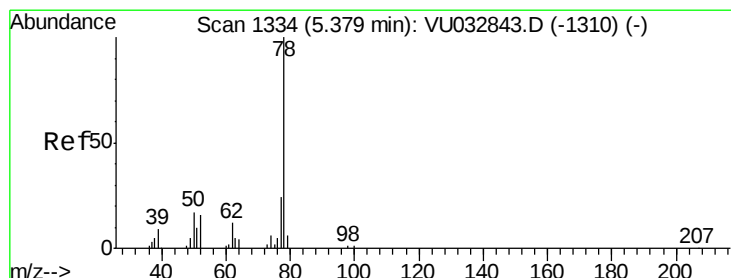
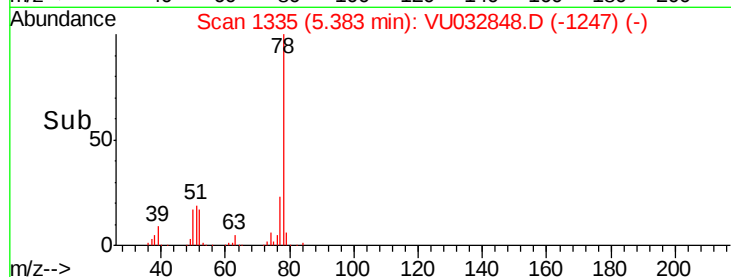
200

0

5.35

5.40

Time-->



#33

Benzene

Concen: 4.973 ug/L

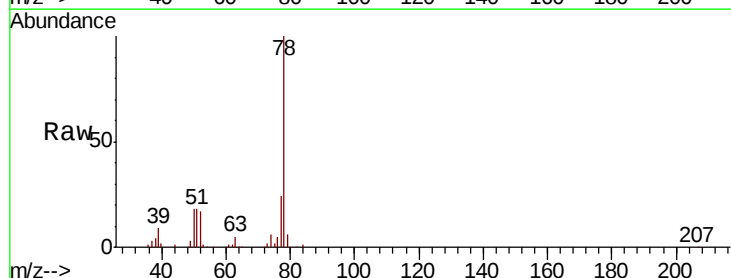
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VU032848.D

Acq: 19 Jun 2019 11:10

Tgt Ion: 78 Resp: 137961



Abundance Ion 78.10 (77.80 to 78.80): VU032848.D (-1334) (-)

5.38

60000

40000

20000

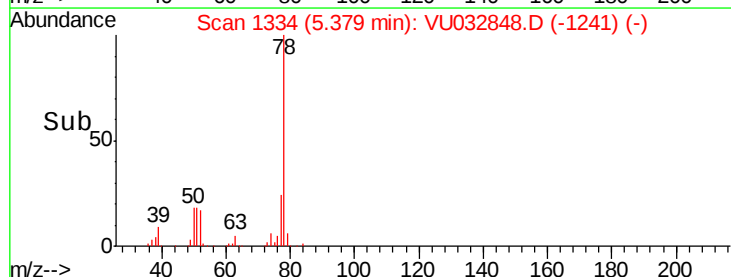
0

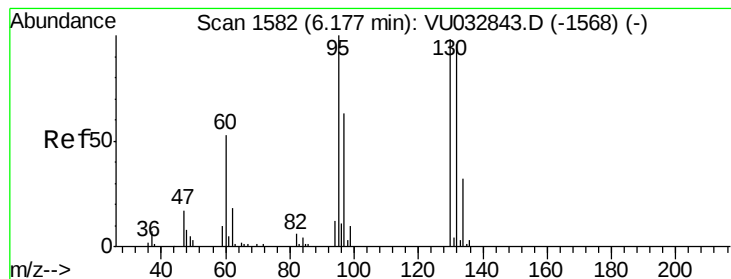
5.30

5.40

5.50

Time-->





#34

Trichloroethene

Concen: 4.757 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032848.D

Acq: 19 Jun 2019 11:10

Instrument :

MSVOA_U

ClientSampleId :

GALG8MS

Tgt Ion: 95 Resp: 37960

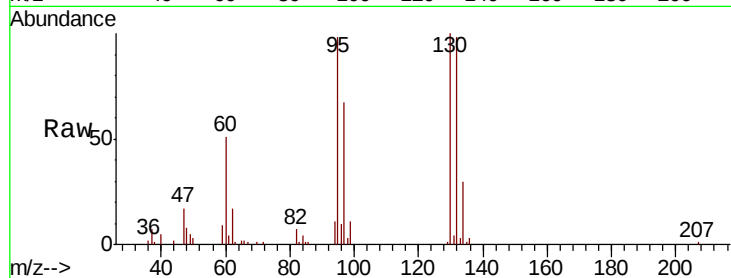
Ion Ratio Lower Upper

95 100

97 68.3 44.1 81.9

132 99.9 68.8 127.8

130 102.0 71.0 131.8

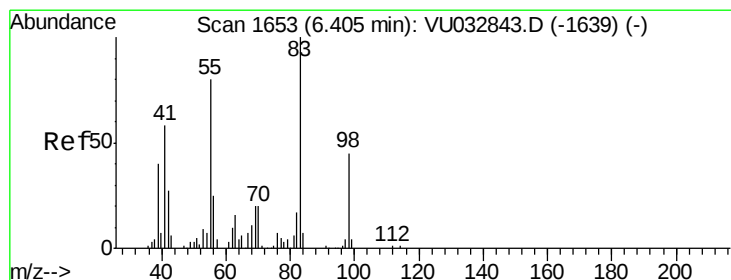
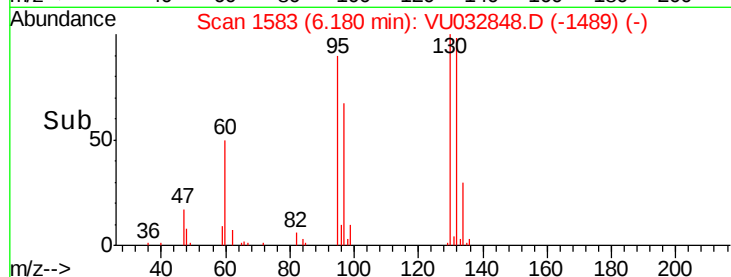
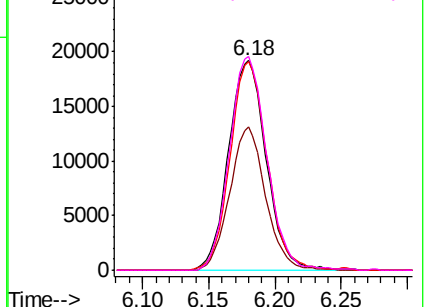


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.758 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.08 min

Lab File: VU032848.D

Acq: 19 Jun 2019 11:10

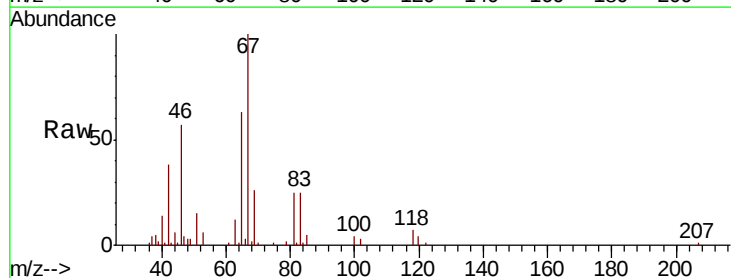
Tgt Ion: 83 Resp: 9723

Ion Ratio Lower Upper

83 100

55 0.0 60.0 90.0#

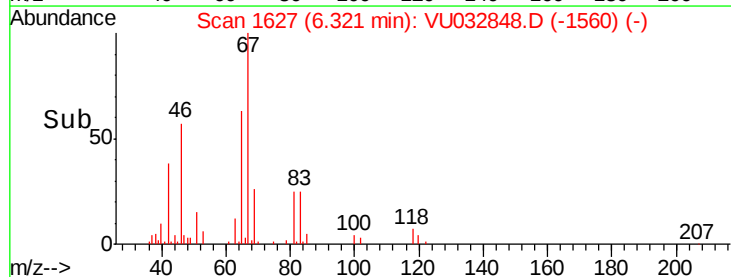
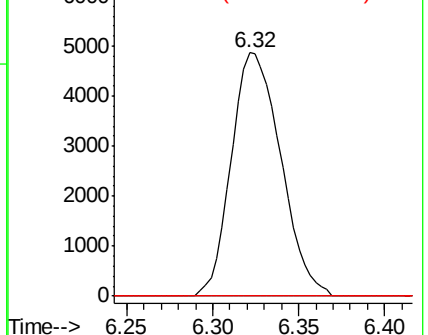
98 0.0 37.8 56.8#

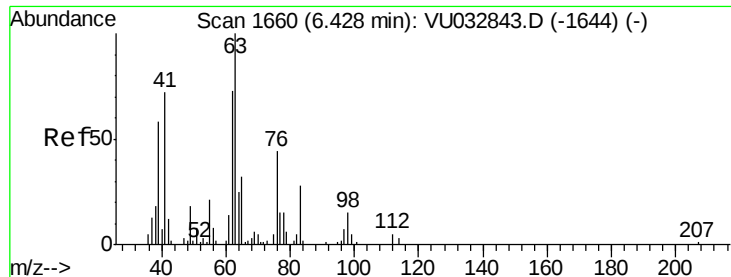


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.670 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.11 min

Lab File: VU032848.D

Acq: 19 Jun 2019 11:10

Instrument :

MSVOA_U

ClientSampleId :

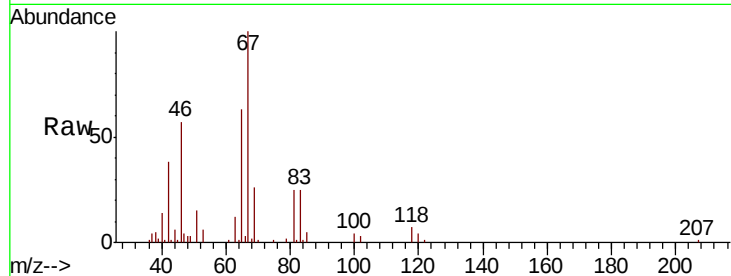
GALG8MS

Tgt Ion: 63 Resp: 4807

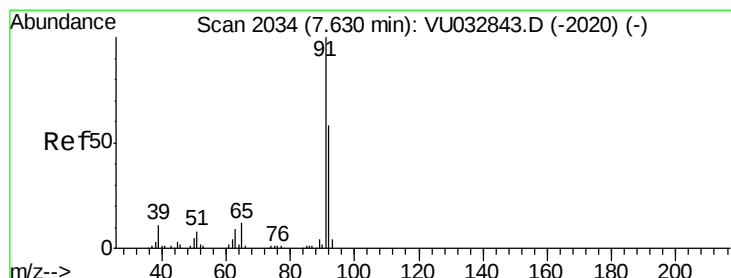
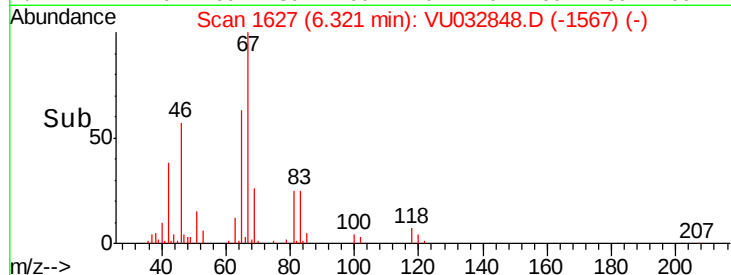
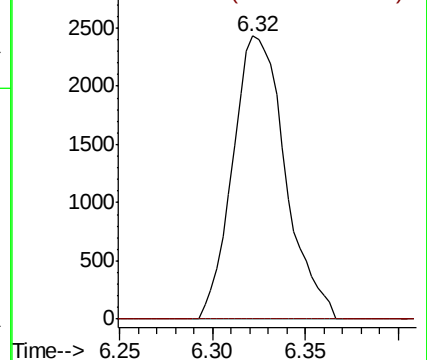
Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VU032848.D (-1644) (-)



#42

Toluene

Concen: 4.773 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032848.D

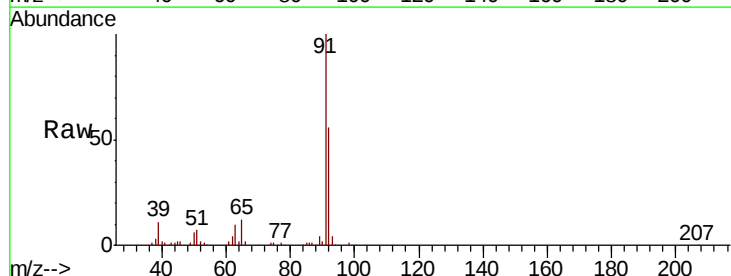
Acq: 19 Jun 2019 11:10

Tgt Ion: 91 Resp: 147600

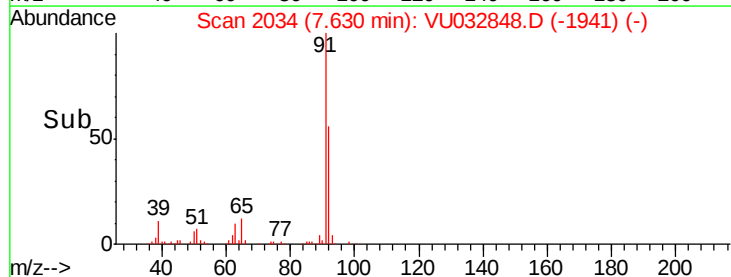
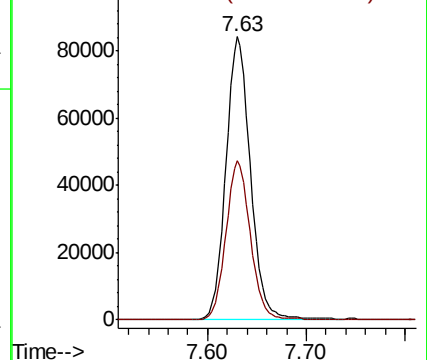
Ion Ratio Lower Upper

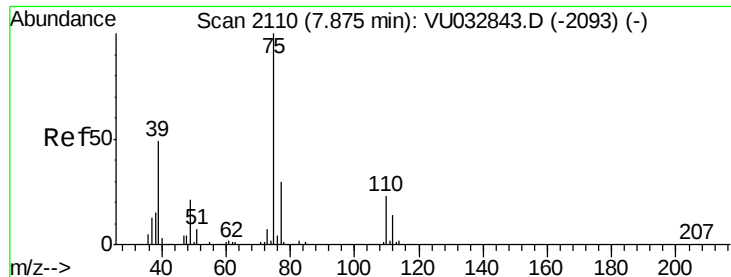
91 100

92 56.1 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032848.D (-1941) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032848.D

Acq: 19 Jun 2019 11:10

Instrument :

MSVOA_U

ClientSampleId :

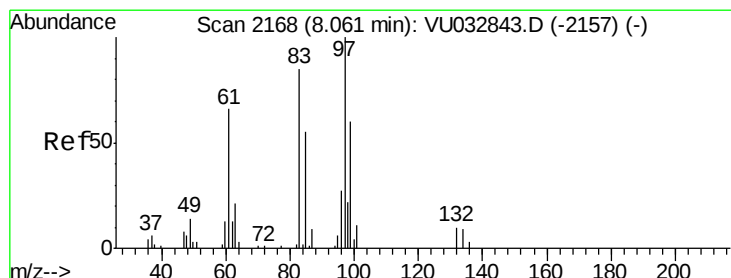
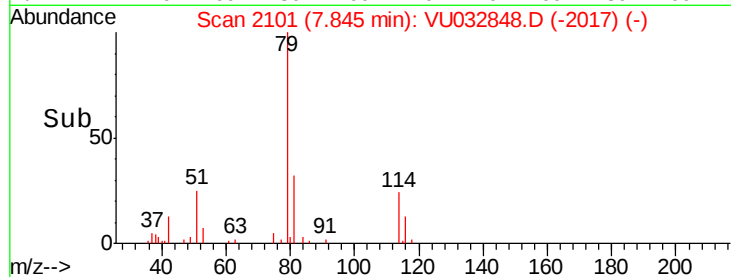
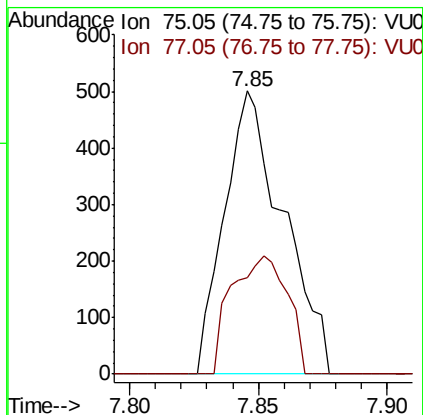
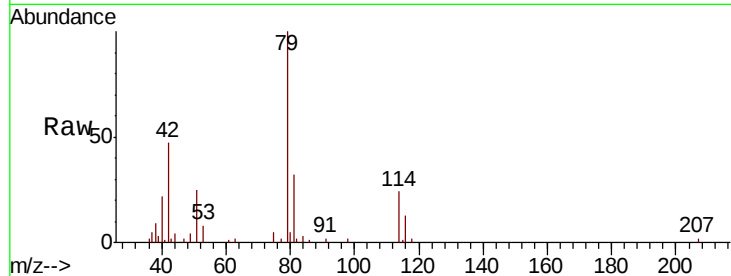
GALG8MS

Tgt Ion: 75 Resp: 797

Ion Ratio Lower Upper

75 100

77 34.1 22.5 41.7



#45

1,1,2-Trichloroethane

Concen: 0.202 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU032848.D

Acq: 19 Jun 2019 11:10

Tgt Ion: 97 Resp: 1055

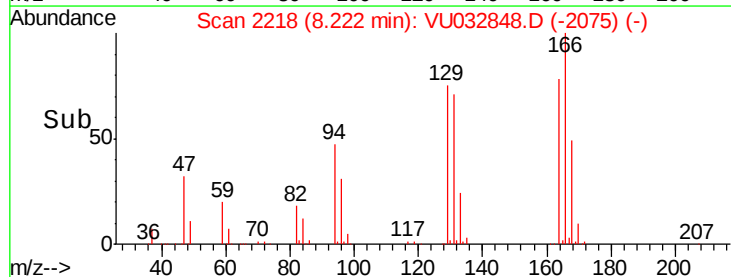
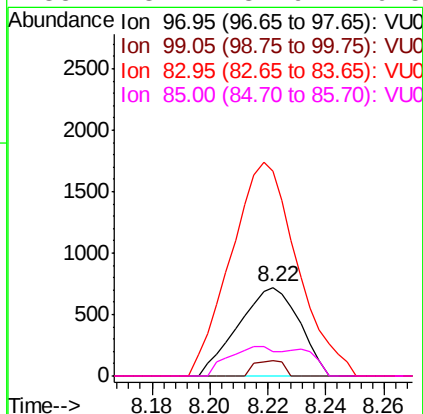
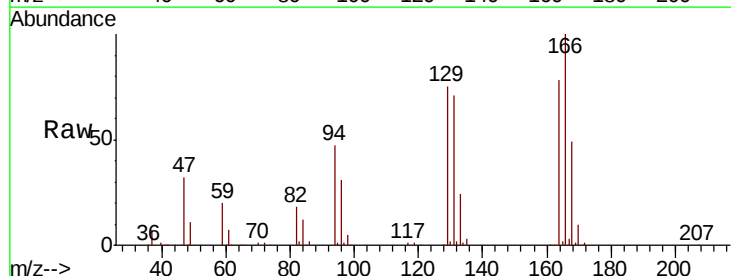
Ion Ratio Lower Upper

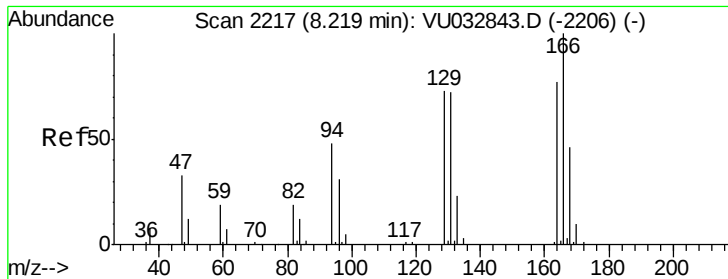
97 100

99 17.1 44.9 83.3#

83 231.9 58.7 108.9#

85 28.2 37.9 70.5#





#47

Tetrachloroethene

Concen: 19.275 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032848.D

Acq: 19 Jun 2019 11:10

Instrument :

MSVOA_U

ClientSampleId :

GALG8MS

Tgt Ion:164 Resp: 121046

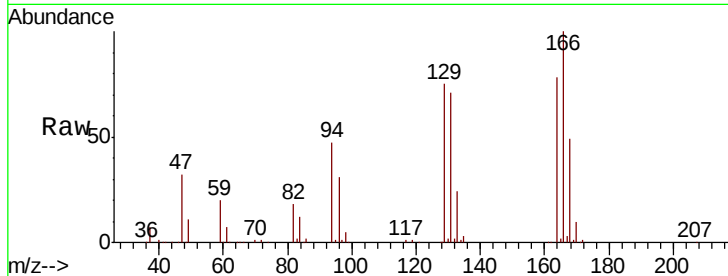
Ion Ratio Lower Upper

164 100

129 95.6 66.1 122.7

131 91.1 65.6 121.8

166 127.9 93.2 173.2

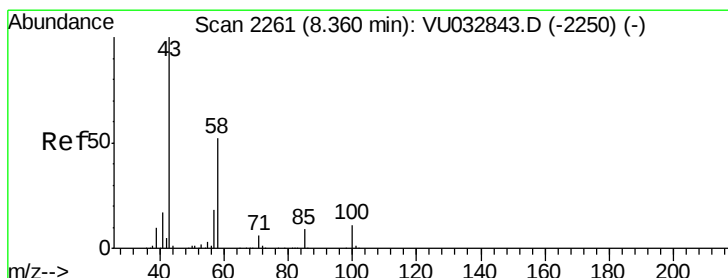
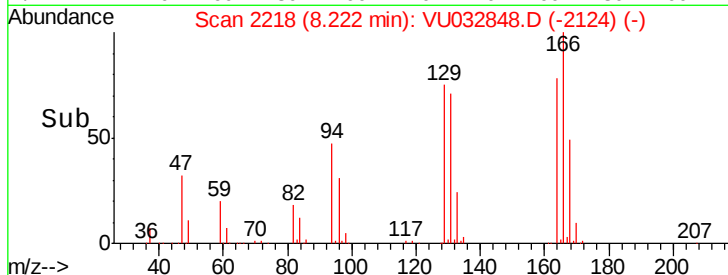
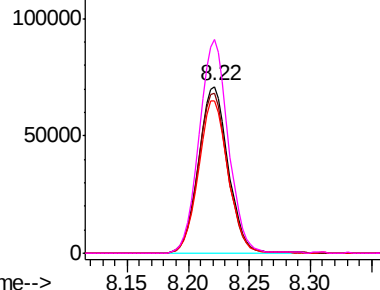


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.061 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU032848.D

Acq: 19 Jun 2019 11:10

Tgt Ion: 43 Resp: 3875

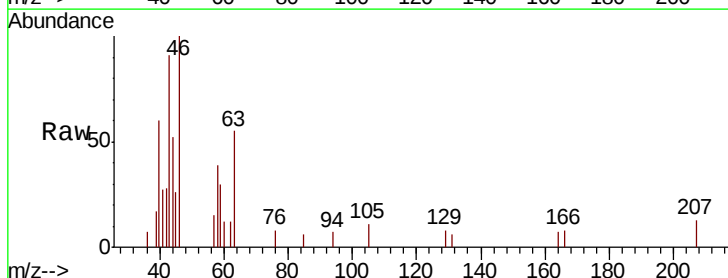
Ion Ratio Lower Upper

43 100

58 32.9 41.9 62.9#

57 9.3 15.1 22.7#

100 0.0 9.0 13.6#

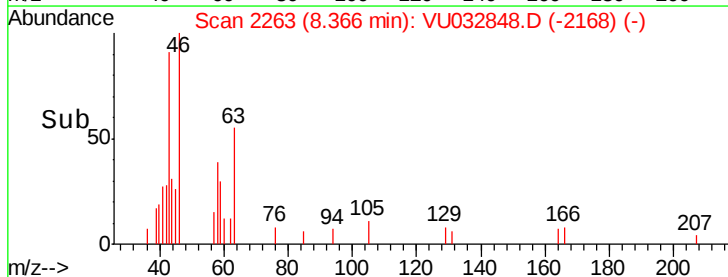
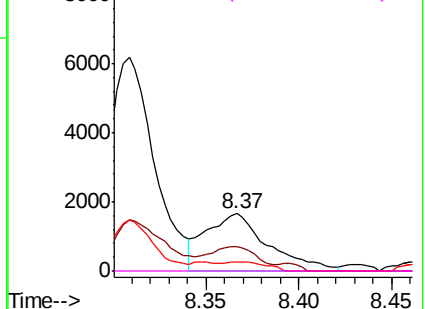


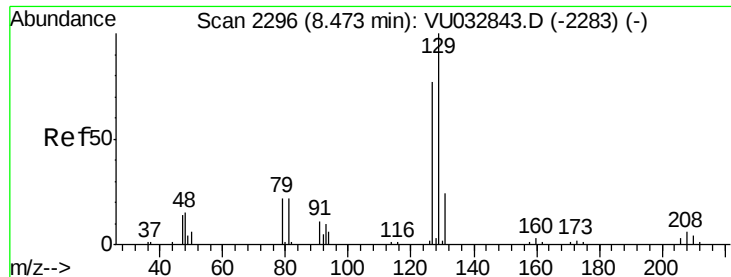
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 17.311 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032848.D

Acq: 19 Jun 2019 11:10

Instrument :

MSVOA_U

ClientSampleId :

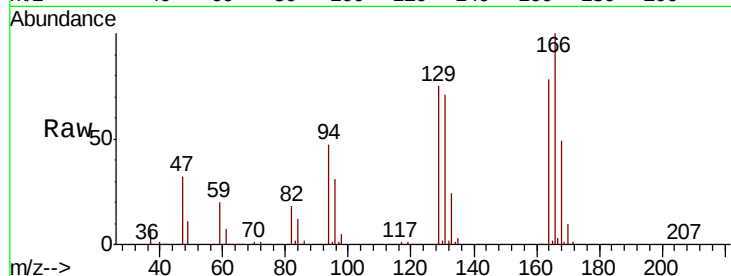
GALG8MS

Tgt Ion:129 Resp: 115638

Ion Ratio Lower Upper

129 100

127 0.3 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

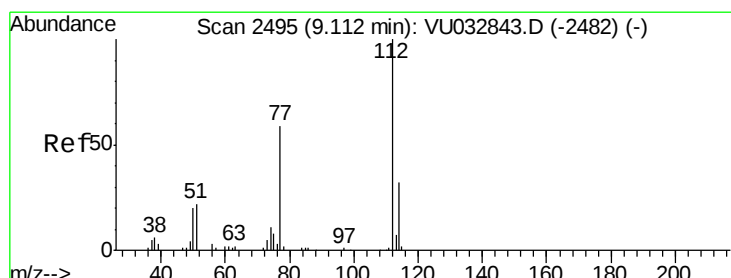
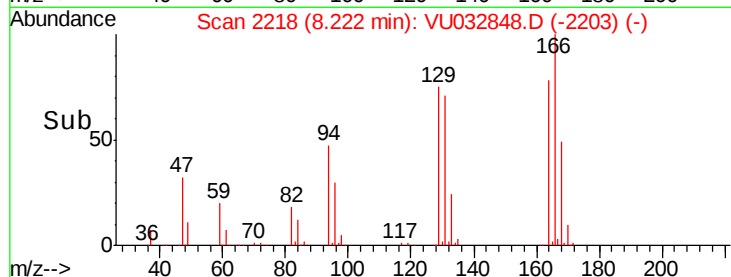
60000

40000

20000

0

Time--> 8.15 8.20 8.25 8.30 8.35



#51

Chlorobenzene

Concen: 5.077 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU032848.D

Acq: 19 Jun 2019 11:10

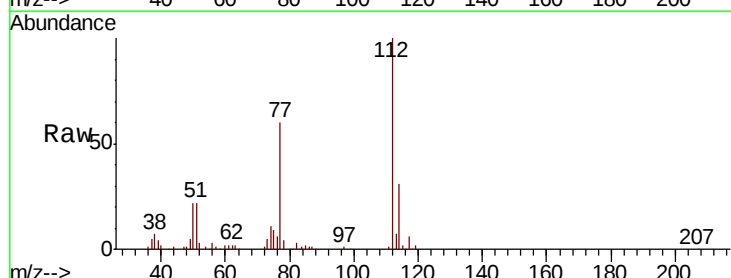
Tgt Ion:112 Resp: 98418

Ion Ratio Lower Upper

112 100

114 31.4 22.4 41.6

77 59.8 46.5 69.7



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

9.11

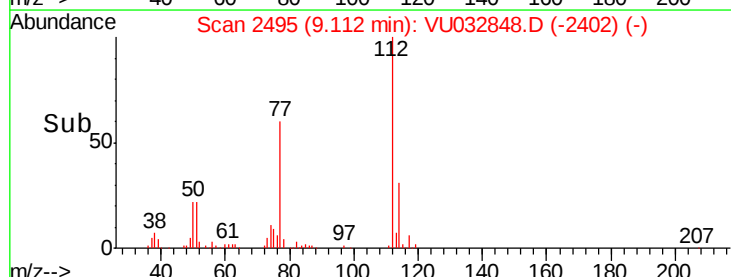
60000

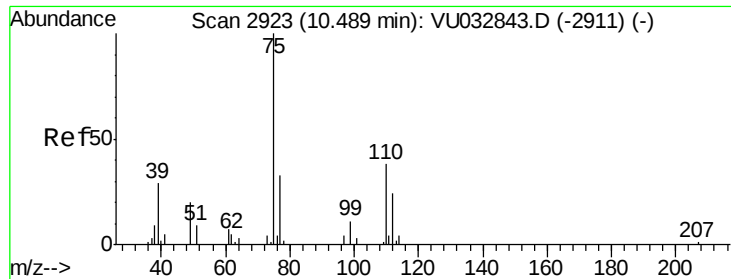
40000

20000

0

Time--> 9.05 9.10 9.15 9.20





#59

1,2,3-Trichloropropane

Concen: 1.239 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032848.D

Acq: 19 Jun 2019 11:10

Instrument :

MSVOA_U

ClientSampleId :

GALG8MS

Tgt Ion: 75 Resp: 5841

Ion Ratio Lower Upper

75 100

77 41.2 25.3 37.9#

