

Data File : VU033648.D
Acq On : 08 Aug 2019 19:19
Operator : JC/SP
Sample : K4161-02MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETOD7MS

Quant Time: Aug 09 07:44:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 09 07:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	289180	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	289678	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	133355	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	146769	44.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.92%
7) Chloroethane-d5	1.67	69	130340	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.34%
11) 1,1-Dichloroethene-d2	2.26	63	246803	46.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.54%
21) 2-Butanone-d5	4.15	46	246548	103.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.12%
24) Chloroform-d	4.62	84	256162	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
26) 1,2-Dichloroethane-d4	5.28	65	174016	49.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.76%
32) Benzene-d6	5.32	84	528654	48.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.88%
36) 1,2-Dichloropropane-d6	6.31	67	173405	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.98%
41) Toluene-d8	7.55	98	477063	47.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.54%
43) trans-1,3-Dichloropropene-	7.83	79	81339	48.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.76%
47) 2-Hexanone-d5	8.29	63	177668	103.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.32%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	257932	48.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	185277	50.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.70%

Target Compounds

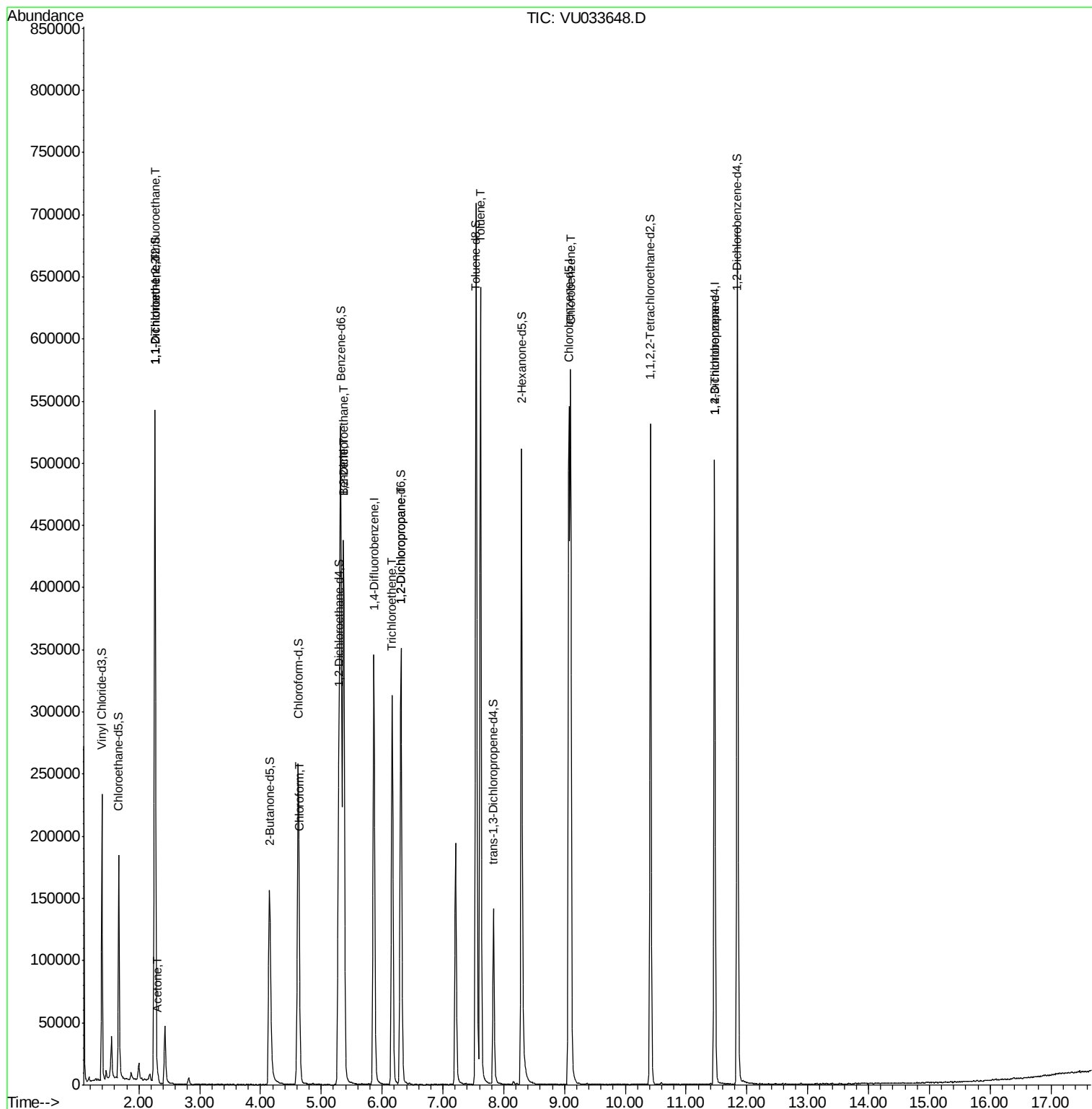
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1952	0.911	ug/L #	19
12) 1,1-Dichloroethene	2.27	96	94544	46.218	ug/L	95
13) Acetone	2.31	43	5102	3.137	ug/L	99
25) Chloroform	4.65	83	4085	0.938	ug/L	98
27) 1,2-Dichloroethane	5.36	62	3802	1.126	ug/L #	74
33) Benzene	5.37	78	435025	47.572	ug/L	100
34) Trichloroethene	6.16	95	108080	46.077	ug/L	98
37) 1,2-Dichloropropane	6.31	63	18877	7.638	ug/L #	88
42) Toluene	7.62	91	471143	48.042	ug/L	99
51) Chlorobenzene	9.10	112	303971	47.393	ug/L	98
59) 1,2,3-Trichloropropane	11.47	75	15860	4.700	ug/L	90

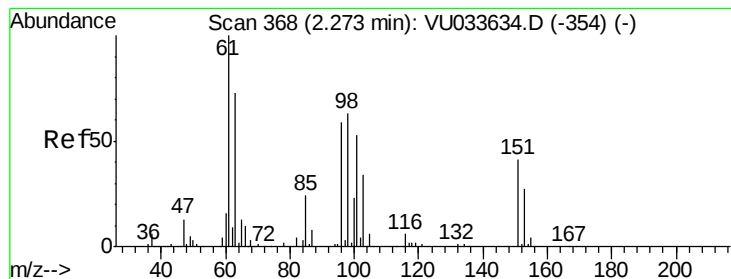
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.911 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033648.D

Acq: 08 Aug 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

ETOD7MS

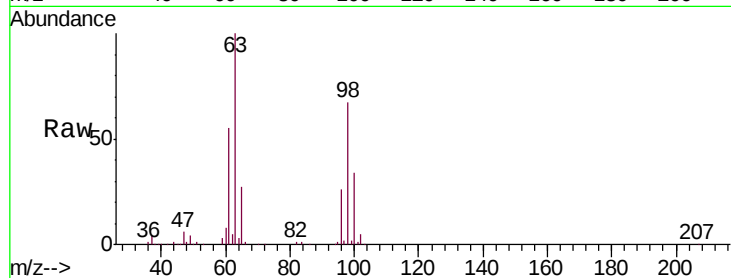
Tgt Ion: 101 Resp: 1952

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

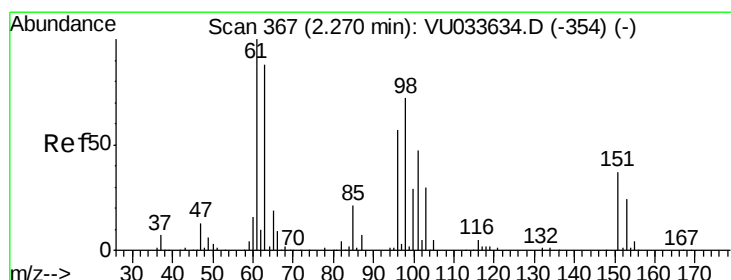
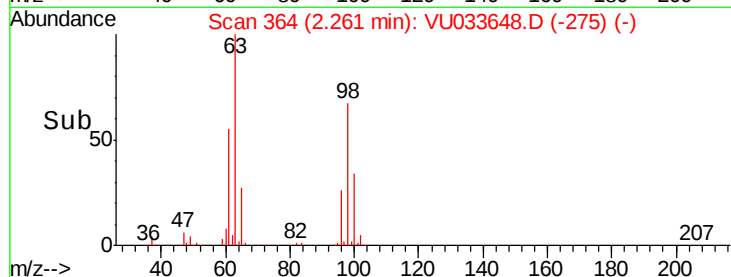
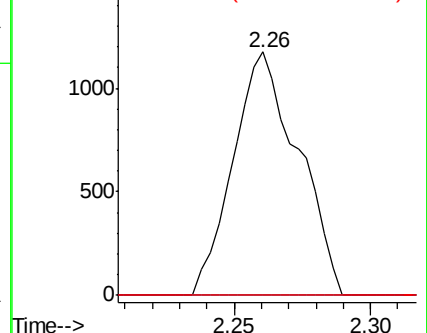
151 0.0 60.4 90.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.218 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033648.D

Acq: 08 Aug 2019 19:19

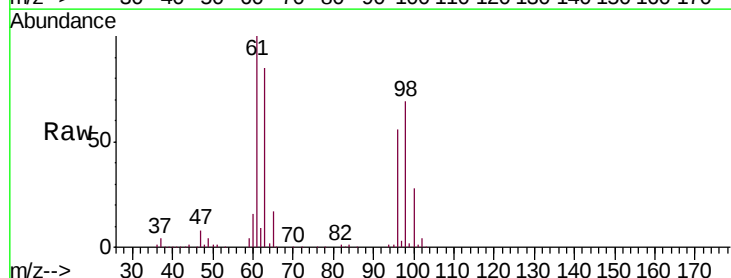
Tgt Ion: 96 Resp: 94544

Ion Ratio Lower Upper

96 100

61 178.5 124.0 230.2

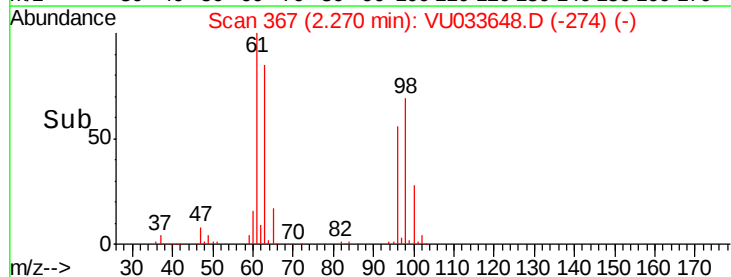
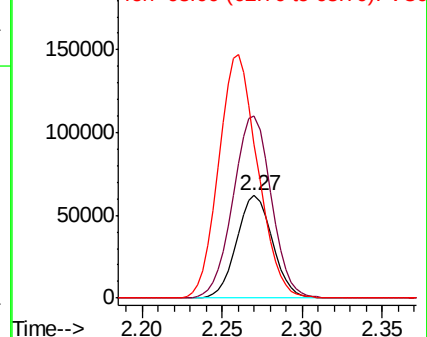
63 151.1 114.9 213.5

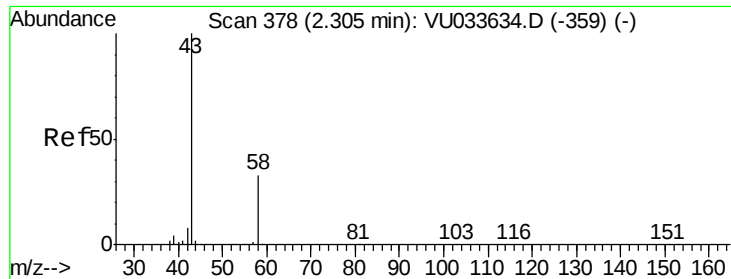


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.137 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033648.D

Acq: 08 Aug 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

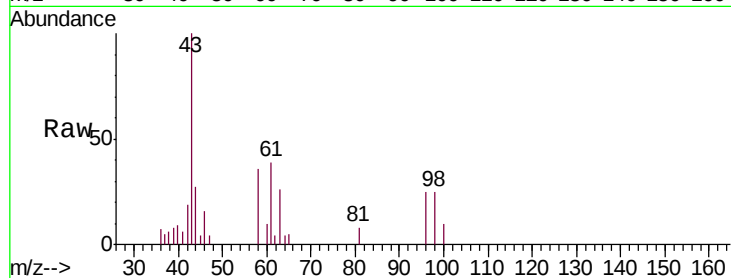
ETOD7MS

Tgt Ion: 43 Resp: 5102

Ion Ratio Lower Upper

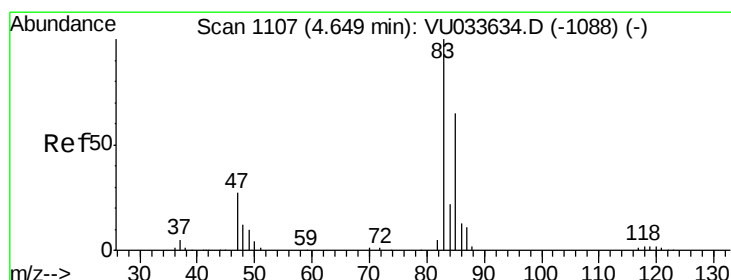
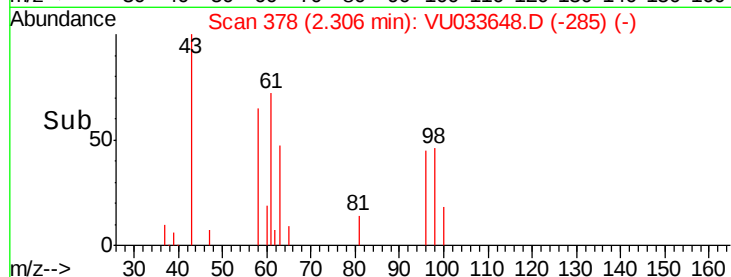
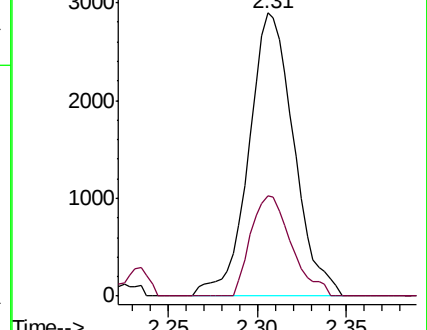
43 100

58 31.9 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU033634.D (-359) (-)

Ion 58.00 (57.70 to 58.70): VU033634.D (-359) (-)



#25

Chloroform

Concen: 0.938 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033648.D

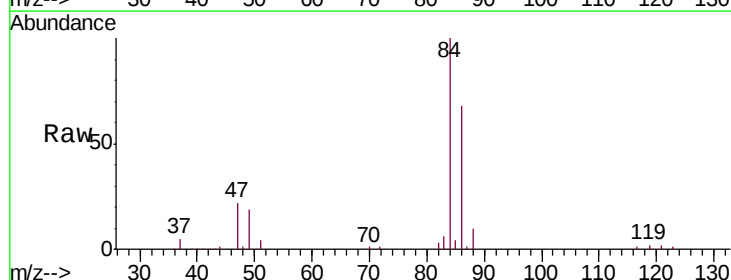
Acq: 08 Aug 2019 19:19

Tgt Ion: 83 Resp: 4085

Ion Ratio Lower Upper

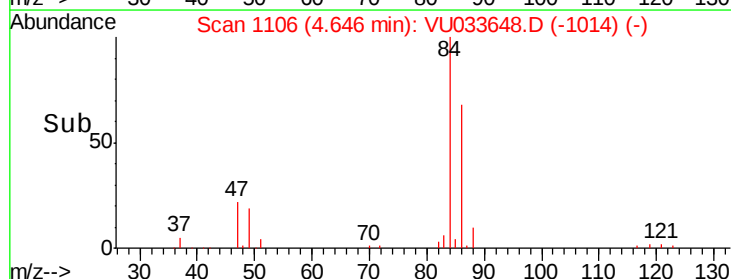
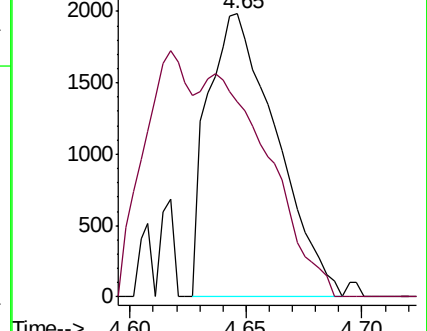
83 100

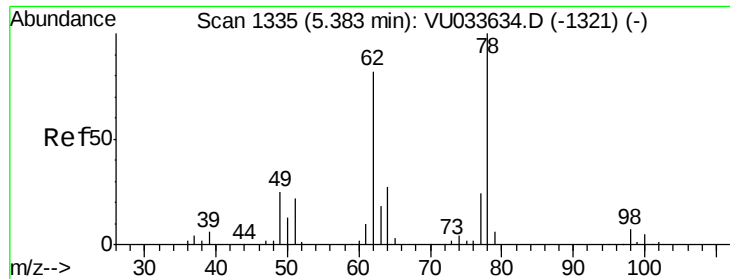
85 68.9 47.2 87.6



Abundance Ion 83.00 (82.70 to 83.70): VU033634.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU033634.D (-1088) (-)





#27

1,2-Dichloroethane

Concen: 1.126 ug/L

RT: 5.36 min Scan# 1329

Delta R.T. -0.02 min

Lab File: VU033648.D

Acq: 08 Aug 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

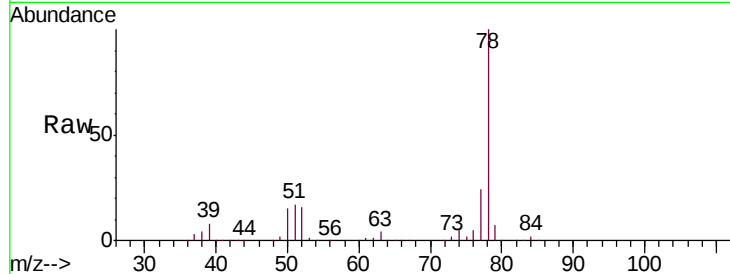
ETOD7MS

Tgt Ion: 62 Resp: 3802

Ion Ratio Lower Upper

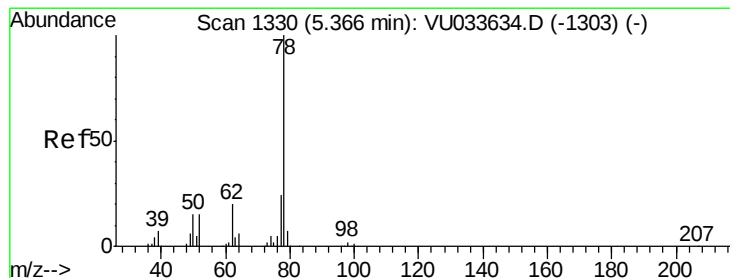
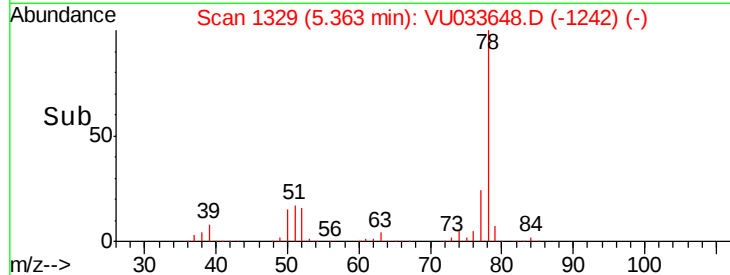
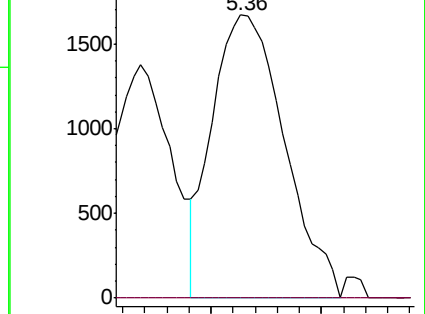
62 100

98 0.0 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#33

Benzene

Concen: 47.572 ug/L

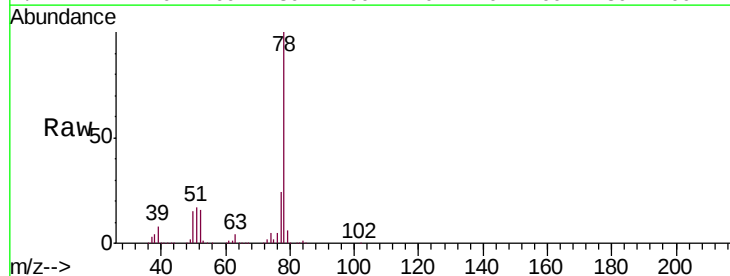
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

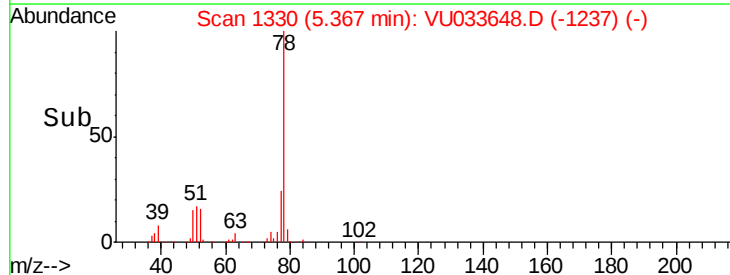
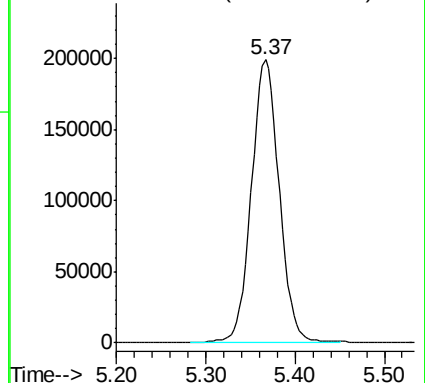
Lab File: VU033648.D

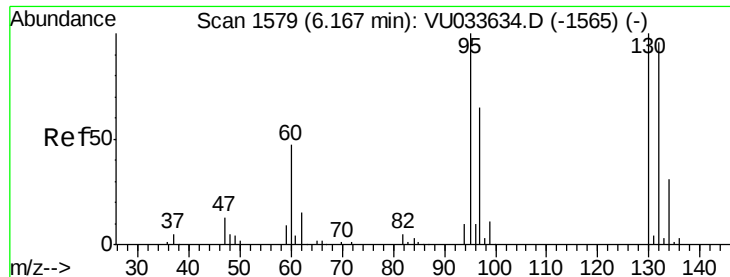
Acq: 08 Aug 2019 19:19

Tgt Ion: 78 Resp: 435025



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 46.077 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033648.D

Acq: 08 Aug 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

ETOD7MS

Tgt Ion: 95 Resp: 108080

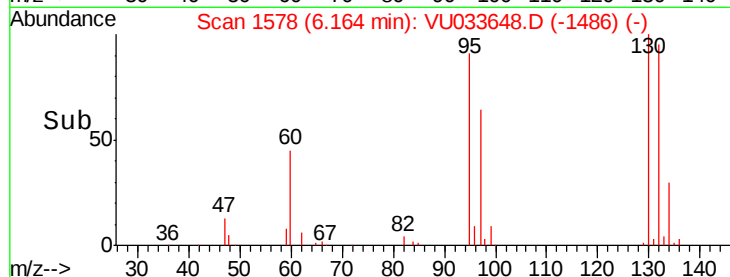
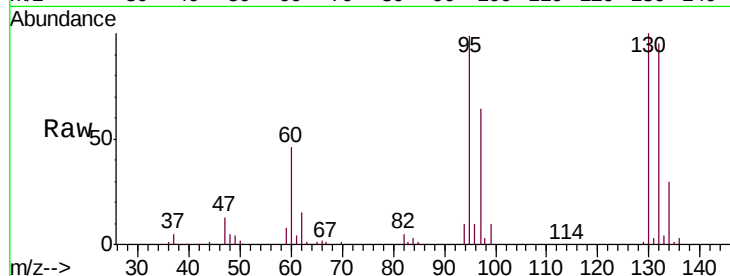
Ion Ratio Lower Upper

95 100

97 65.0 44.4 82.5

132 96.5 69.1 128.3

130 101.4 71.7 133.3

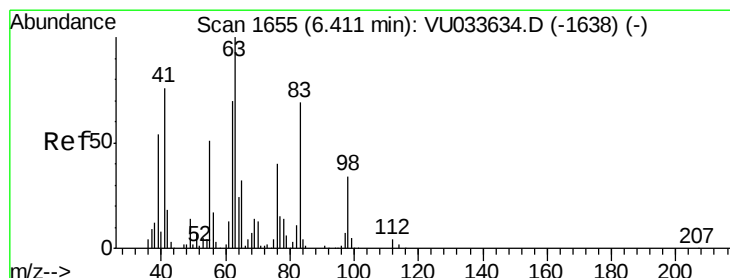
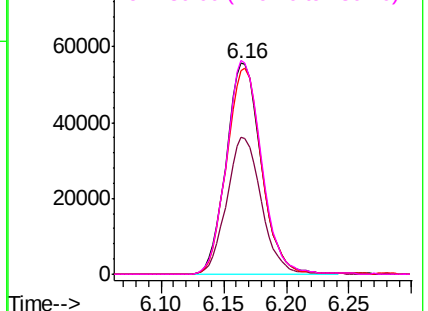


Abundance Ion 95.00 (94.70 to 95.70): VU033648.D (-1486) (-)

Ion 97.00 (96.70 to 97.70): VU033648.D (-1486) (-)

Ion 132.00 (131.70 to 132.70): VU033648.D (-1486) (-)

Ion 130.00 (129.70 to 130.70): VU033648.D (-1486) (-)



#37

1,2-Dichloropropane

Concen: 7.638 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033648.D

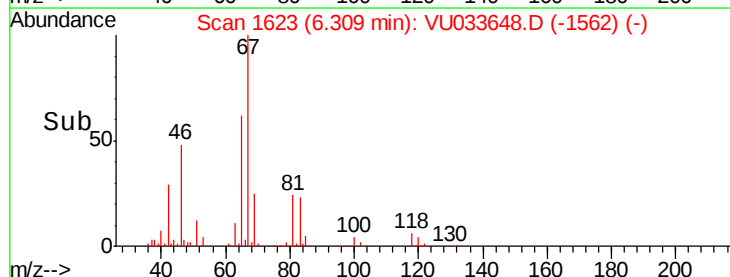
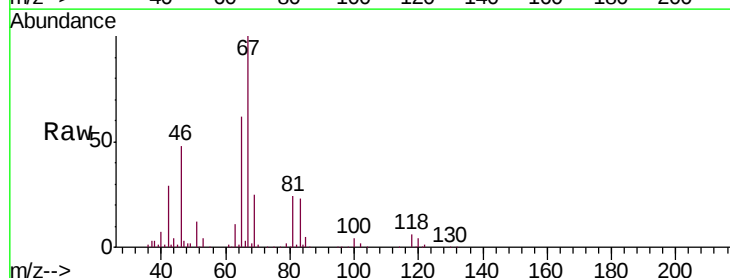
Acq: 08 Aug 2019 19:19

Tgt Ion: 63 Resp: 18877

Ion Ratio Lower Upper

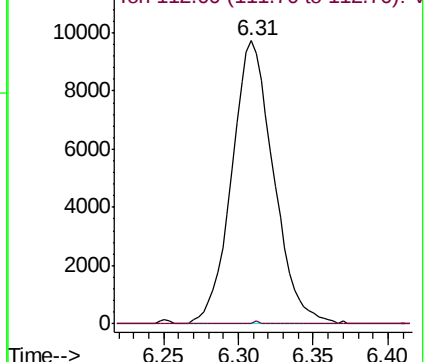
63 100

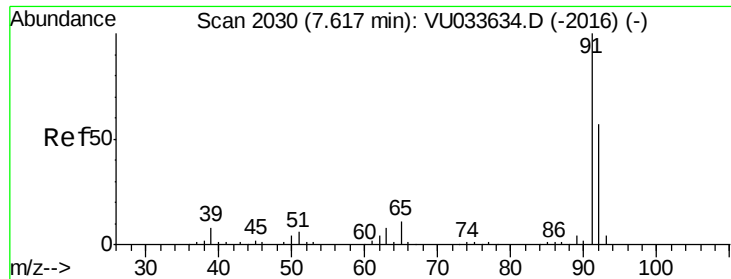
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU033648.D (-1562) (-)

Ion 112.00 (111.70 to 112.70): VU033648.D (-1562) (-)





#42

Toluene

Concen: 48.042 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033648.D

Acq: 08 Aug 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

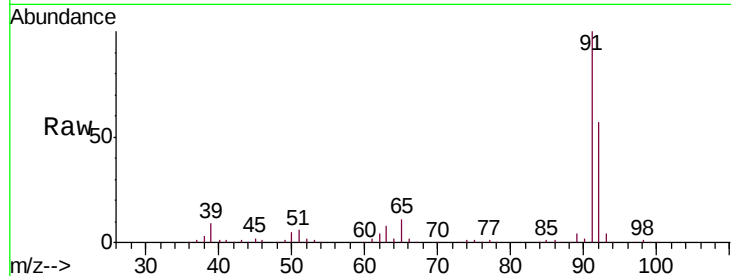
ETOD7MS

Tgt Ion: 91 Resp: 471143

Ion Ratio Lower Upper

91 100

92 57.5 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VU033648.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033648.D (-2016) (-)

7.62

300000

250000

200000

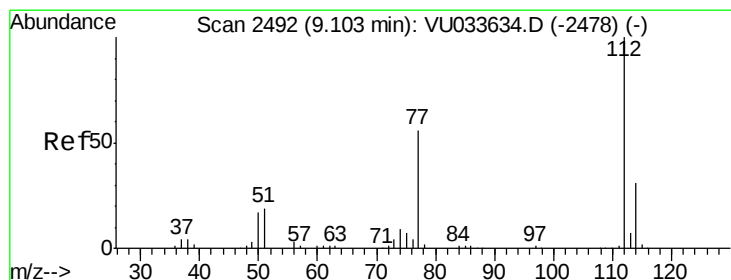
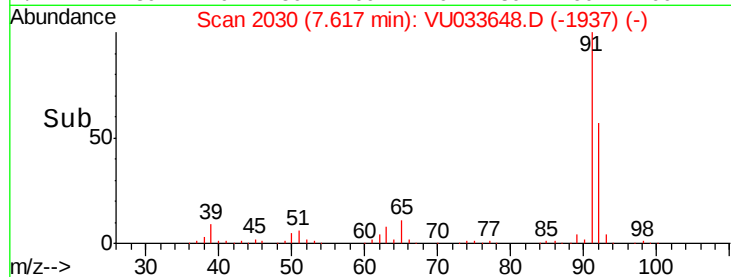
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#51

Chlorobenzene

Concen: 47.393 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU033648.D

Acq: 08 Aug 2019 19:19

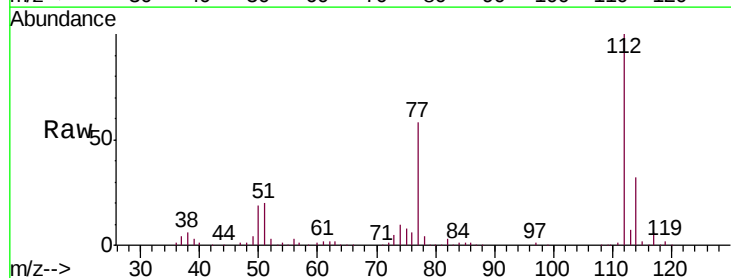
Tgt Ion: 112 Resp: 303971

Ion Ratio Lower Upper

112 100

114 31.6 22.7 42.1

77 57.6 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): VU033648.D (-2399) (-)

Ion 114.00 (113.70 to 114.70): VU033648.D (-2399) (-)

Ion 77.00 (76.70 to 77.70): VU033648.D (-2399) (-)

9.10

200000

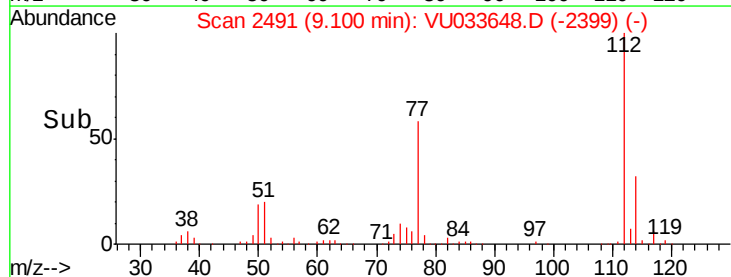
150000

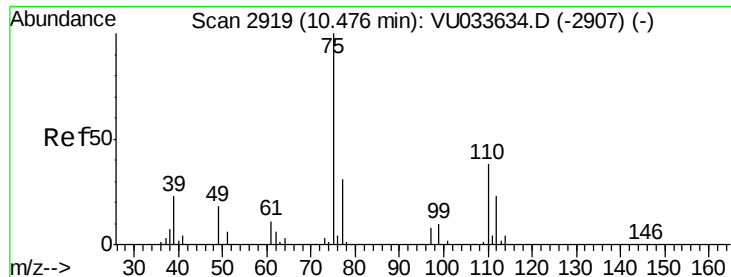
100000

50000

0

Time--> 9.00 9.10 9.20





#59

1,2,3-Trichloropropane

Concen: 4.700 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033648.D

Acq: 08 Aug 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

ETOD7MS

Tgt Ion: 75 Resp: 15860

Ion Ratio Lower Upper

75 100

77 37.7 25.5 38.3

