

Data File : VU032497.D
Acq On : 06 Jun 2019 15:16
Operator : JC/SP
Sample : K3224-01 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0C57

Quant Time: Jun 07 04:11:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 04:06:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	211911	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	200402	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	108785	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42744	31.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.18%
7) Chloroethane-d5	1.68	69	39754	35.98	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.96%
11) 1,1-Dichloroethene-d2	2.27	63	70240	26.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.18%#
21) 2-Butanone-d5	4.17	46	107064	93.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.05%
24) Chloroform-d	4.64	84	107606	41.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.94%
26) 1,2-Dichloroethane-d4	5.31	65	74620	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
32) Benzene-d6	5.33	84	221948	42.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.32%
36) 1,2-Dichloropropane-d6	6.32	67	72743	44.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.18%
41) Toluene-d8	7.56	98	208938	42.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.70%
43) trans-1,3-Dichloropropene-	7.85	79	34760	44.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.04%
47) 2-Hexanone-d5	8.31	63	71549	90.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	109412	46.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.58%
64) 1,2-Dichlorobenzene-d4	11.85	152	96968	46.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.08%

Target Compounds

					Qvalue
13) Acetone	2.32	43	1295	1.091 ug/L	79
25) Chloroform	4.67	83	5387	2.102 ug/L	99
27) 1,2-Dichloroethane	5.39	62	2446	1.207 ug/L #	75
33) Benzene	5.38	78	277620	49.305 ug/L	100
35) Methylcyclohexane	6.32	83	16823	6.784 ug/L #	19
37) 1,2-Dichloropropane	6.33	63	8326	5.578 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2354	1.000 ug/L #	63
44) trans-1,3-Dichloropropene	7.85	75	1562	0.747 ug/L	97
51) Chlorobenzene	9.11	112	828118	208.443 ug/L	100
59) 1,2,3-Trichloropropane	11.41	75	12093	6.232 ug/L #	43
62) 1,3-Dichlorobenzene	11.41	146	42225	12.830 ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	364383	108.294 ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	464200	139.506 ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	71299	27.844 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	71299	32.867 ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	19359	8.575 ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Jun 07 04:06:44 2019
Response via : Initial Calibration

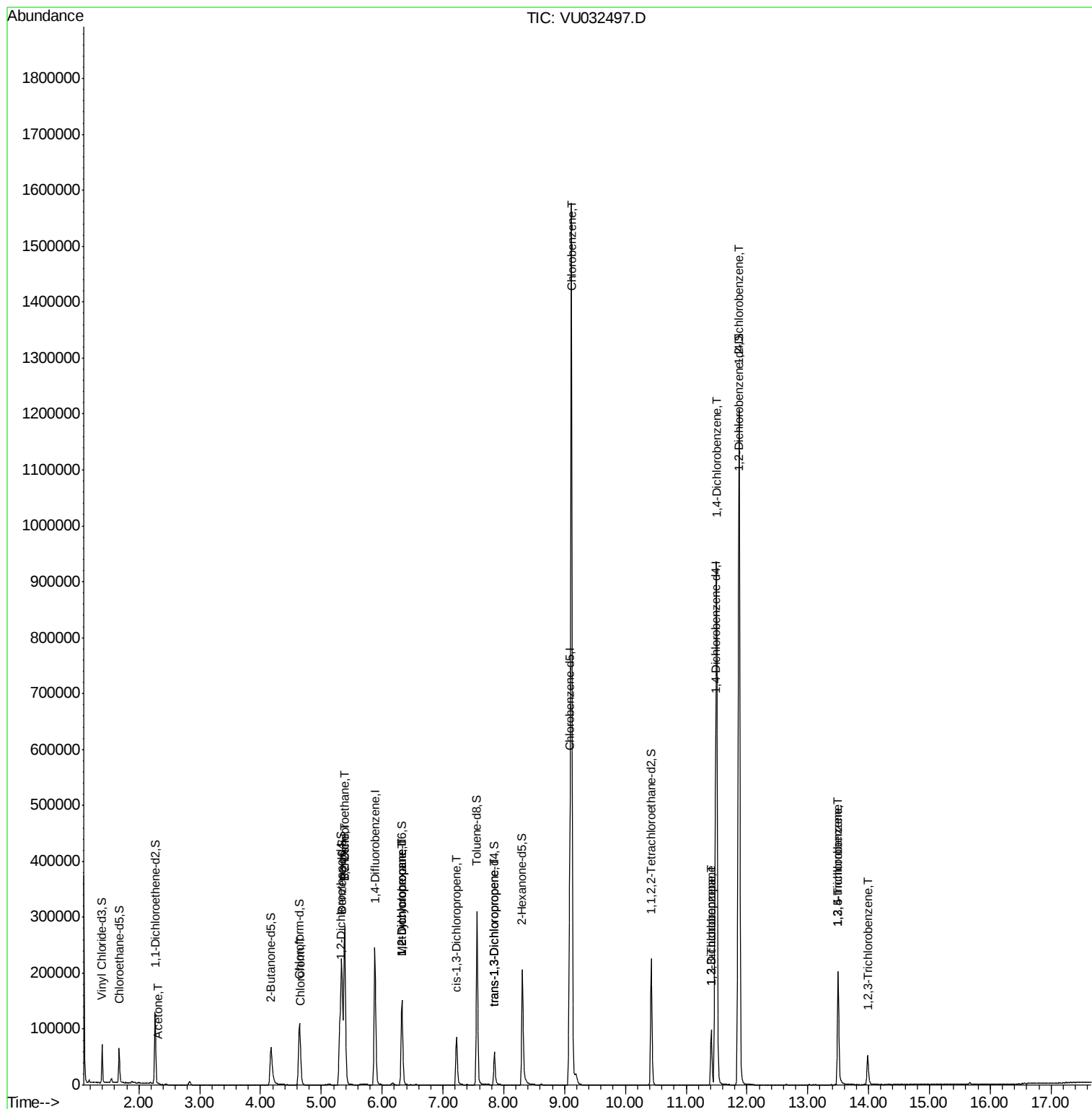
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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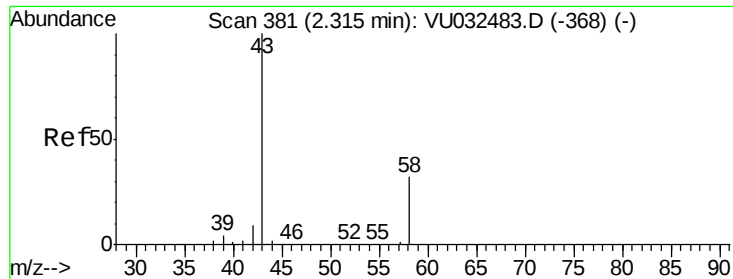
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.091 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VU032497.D

Acq: 06 Jun 2019 15:16

Instrument :

MSVOA_U

ClientSampled :

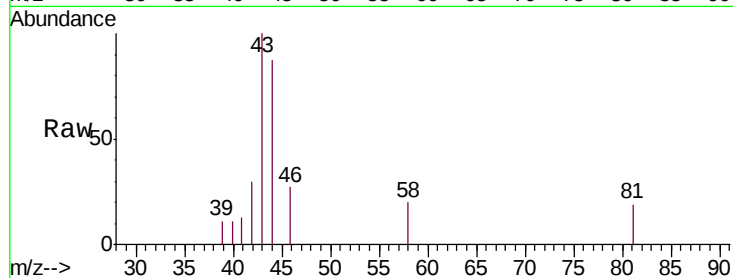
C0C57

Tgt Ion: 43 Resp: 1295

Ion Ratio Lower Upper

43 100

58 20.2 0.0 64.0



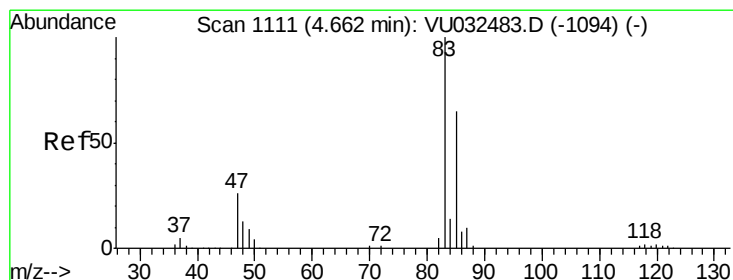
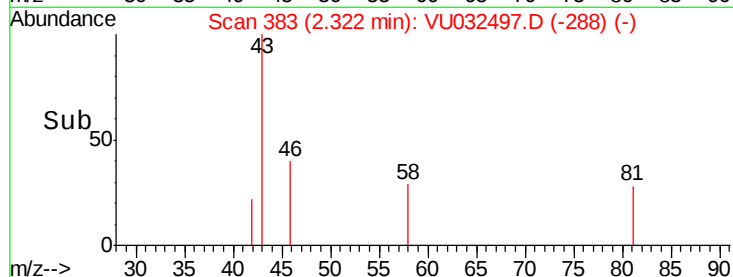
Abundance Ion 43.00 (42.70 to 43.70): VU032483.D (-368) (-)

Ion 58.00 (57.70 to 58.70): VU032483.D (-368) (-)

2.32

2.35

Time-->



#25

Chloroform

Concen: 2.102 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VU032497.D

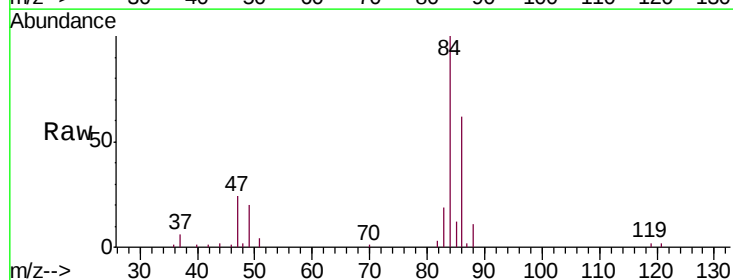
Acq: 06 Jun 2019 15:16

Tgt Ion: 83 Resp: 5387

Ion Ratio Lower Upper

83 100

85 64.6 44.7 82.9



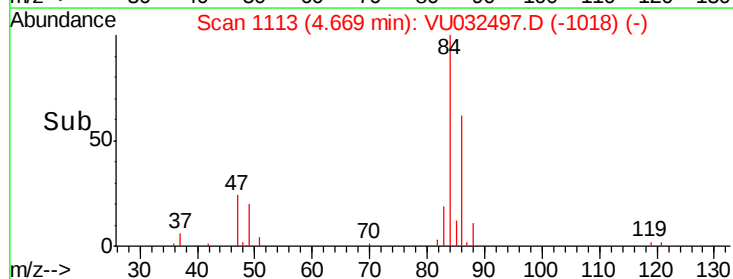
Abundance Ion 83.00 (82.70 to 83.70): VU032483.D (-1094) (-)

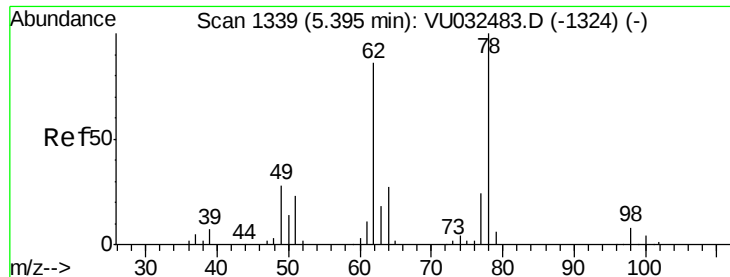
Ion 85.00 (84.70 to 85.70): VU032483.D (-1094) (-)

4.67

4.75

Time-->





#27

1,2-Dichloroethane

Concen: 1.207 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VU032497.D

Acq: 06 Jun 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

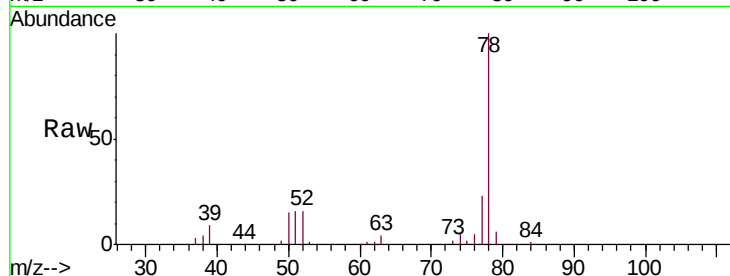
C0C57

Tgt Ion: 62 Resp: 2446

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032483.D (-1324) (-)

Ion 98.00 (97.70 to 98.70): VU032483.D (-1324) (-)

5.39

1200

1000

800

600

400

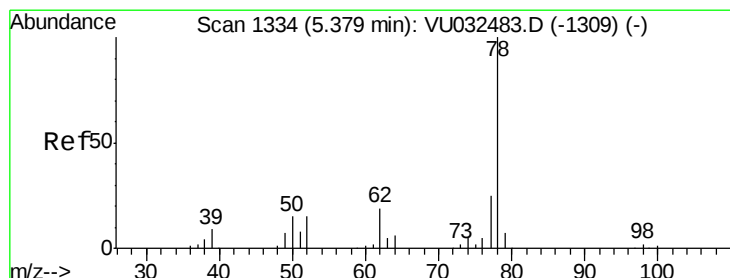
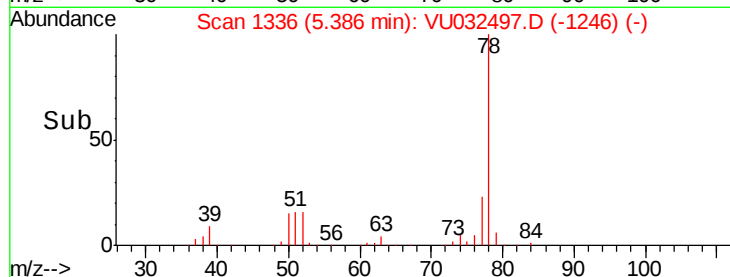
200

0

5.35

5.40

Time-->



#33

Benzene

Concen: 49.305 ug/L

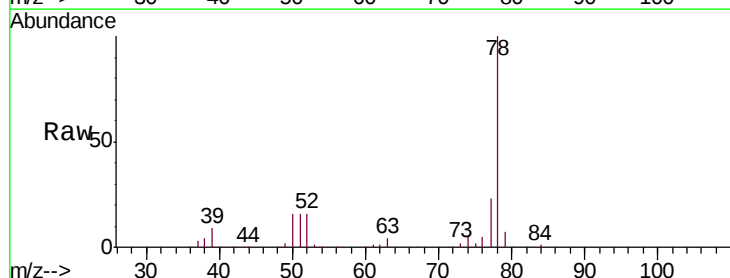
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU032497.D

Acq: 06 Jun 2019 15:16

Tgt Ion: 78 Resp: 277620



Abundance Ion 78.00 (77.70 to 78.70): VU032483.D (-1309) (-)

150000

100000

50000

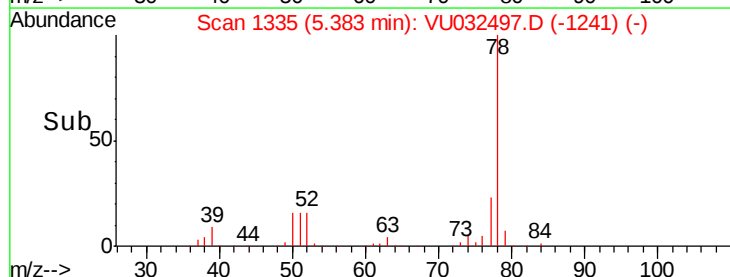
0

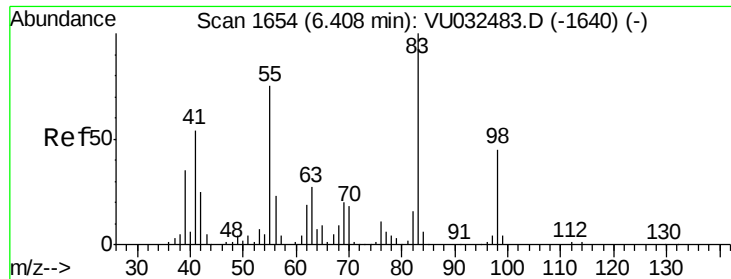
5.30

5.40

5.50

Time-->

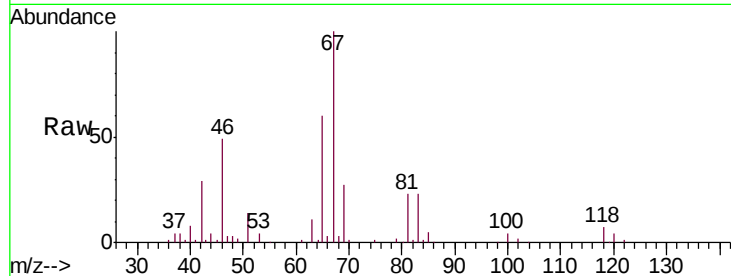




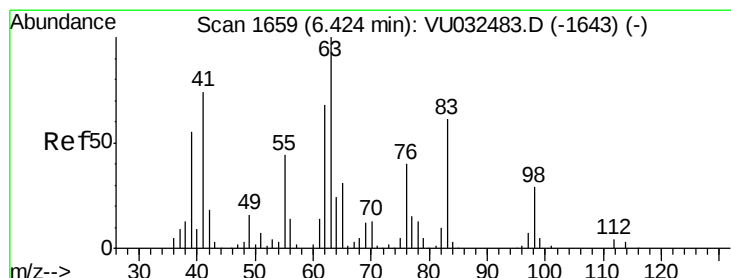
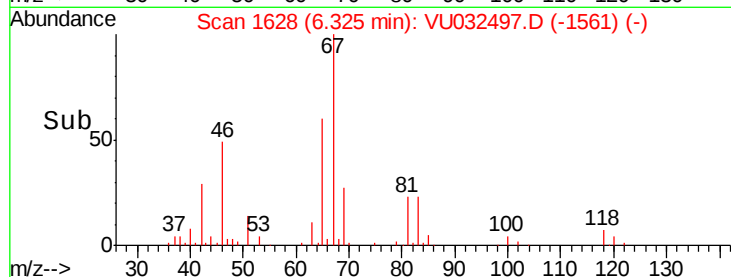
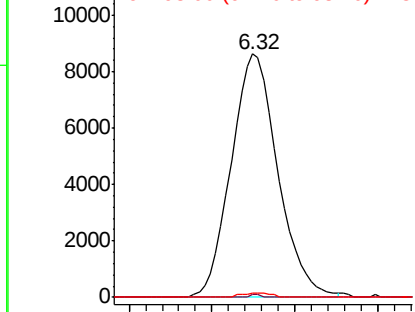
#35
Methylcyclohexane
Concen: 6.784 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032497.D
Acq: 06 Jun 2019 15:16

Instrument :
MSVOA_U
ClientSampleId :
C0C57

Tgt Ion: 83 Resp: 16823
Ion Ratio Lower Upper
83 100
55 0.2 60.2 90.4#
98 0.9 37.4 56.2#

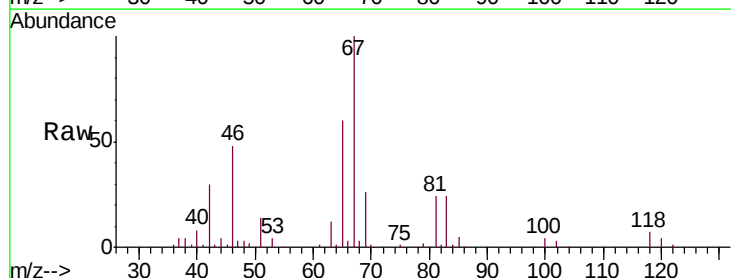


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

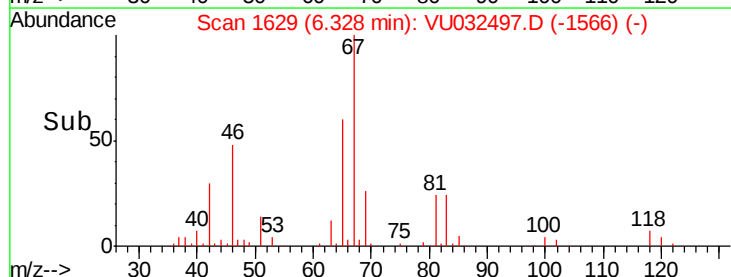
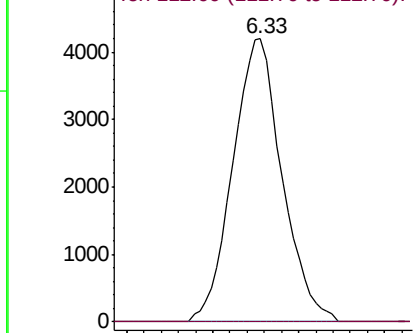


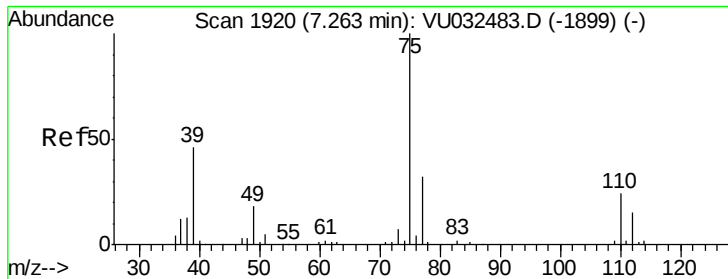
#37
1,2-Dichloropropane
Concen: 5.578 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU032497.D
Acq: 06 Jun 2019 15:16

Tgt Ion: 63 Resp: 8326
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

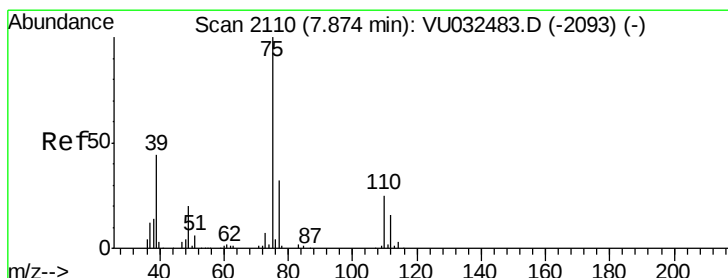
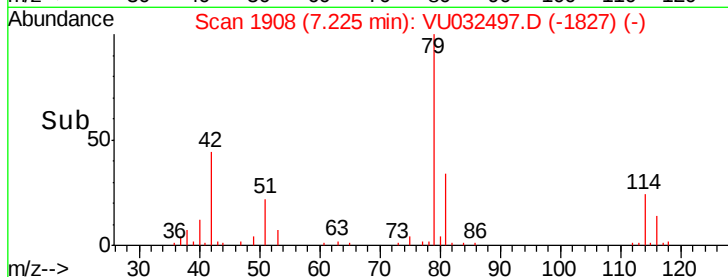
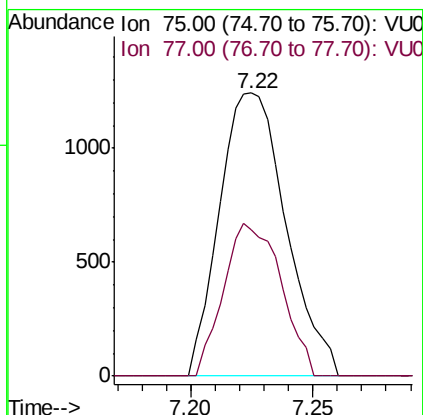
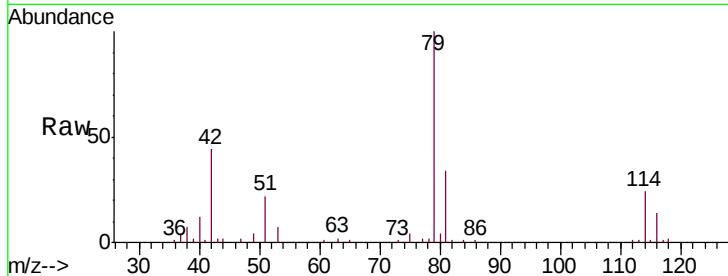




#39
cis-1,3-Dichloropropene
Concen: 1.000 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU032497.D
Acq: 06 Jun 2019 15:16

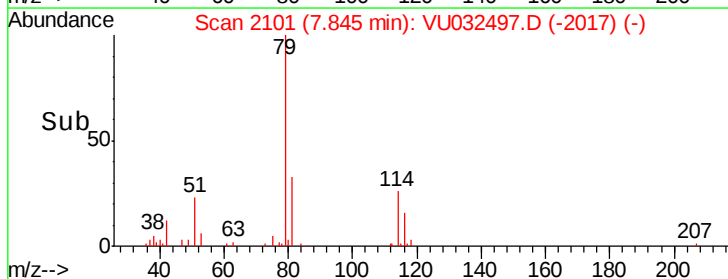
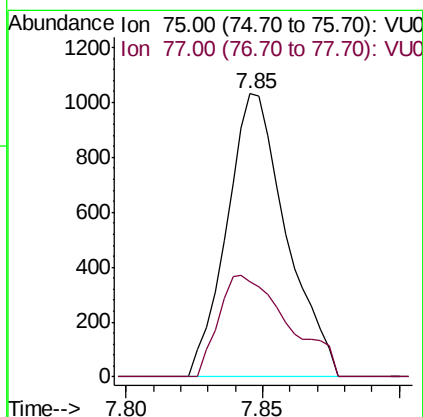
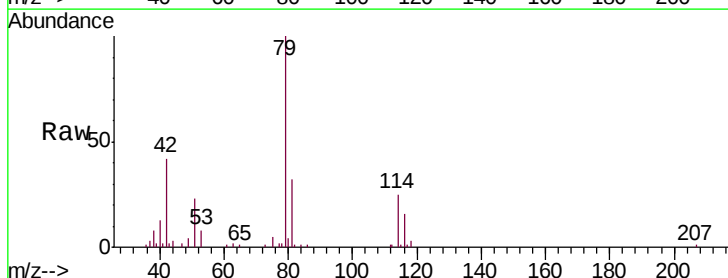
Instrument :
MSVOA_U
ClientSampleId :
C0C57

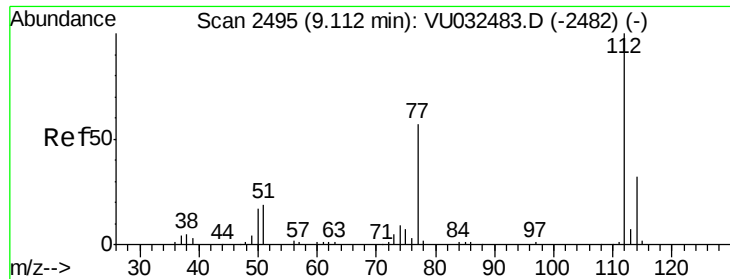
Tgt Ion: 75 Resp: 2354
Ion Ratio Lower Upper
75 100
77 51.8 22.0 41.0#



#44
trans-1,3-Dichloropropene
Concen: 0.747 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032497.D
Acq: 06 Jun 2019 15:16

Tgt Ion: 75 Resp: 1562
Ion Ratio Lower Upper
75 100
77 33.4 22.1 41.1





#51

Chlorobenzene

Concen: 208.443 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. 0.00 min

Lab File: VU032497.D

Acq: 06 Jun 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

C0C57

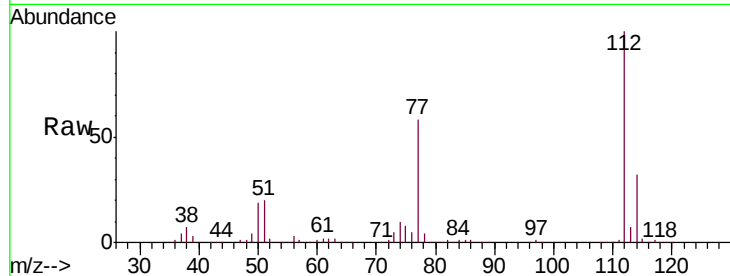
Tgt Ion: 112 Resp: 828118

Ion Ratio Lower Upper

112 100

114 32.0 22.6 42.0

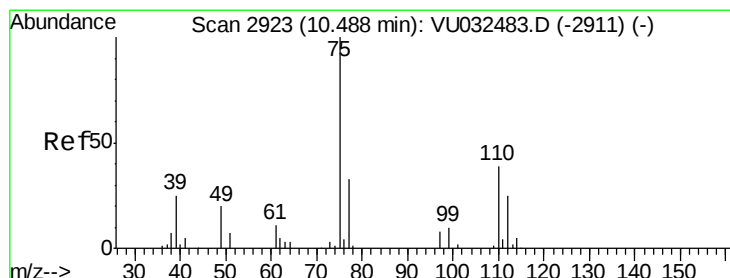
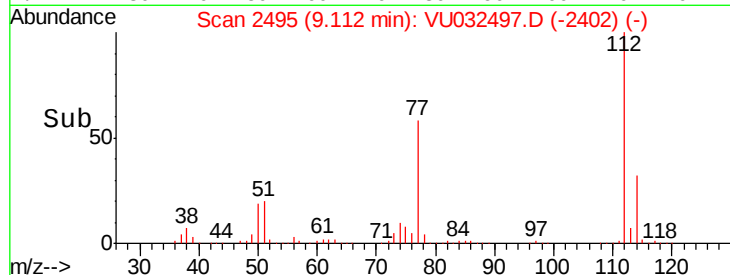
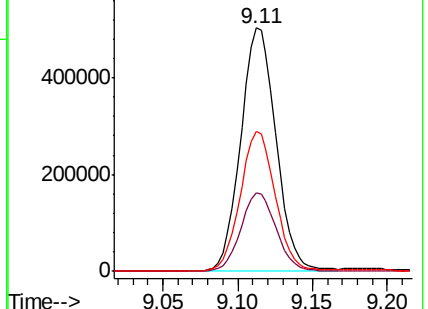
77 57.6 46.1 69.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU



#59

1,2,3-Trichloropropane

Concen: 6.232 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.93 min

Lab File: VU032497.D

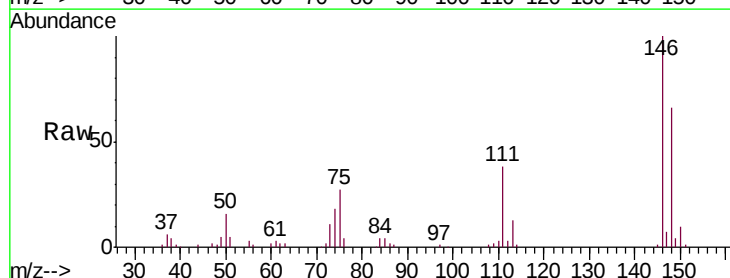
Acq: 06 Jun 2019 15:16

Tgt Ion: 75 Resp: 12093

Ion Ratio Lower Upper

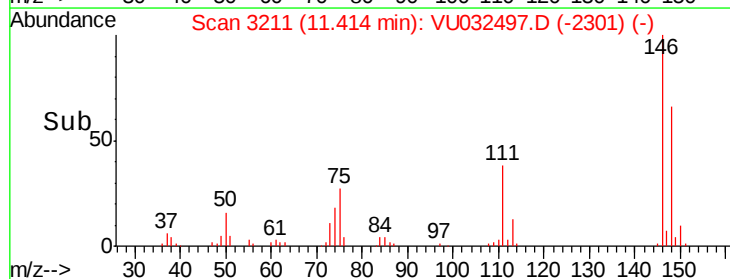
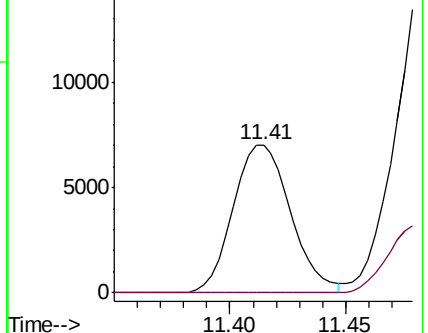
75 100

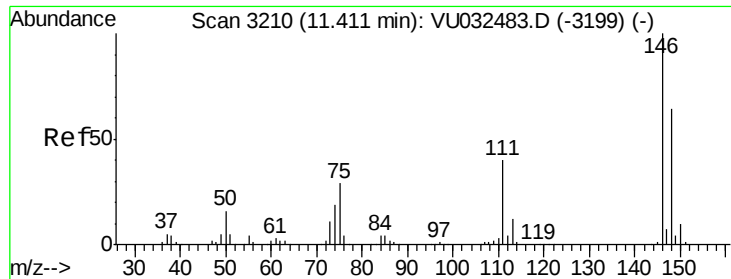
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

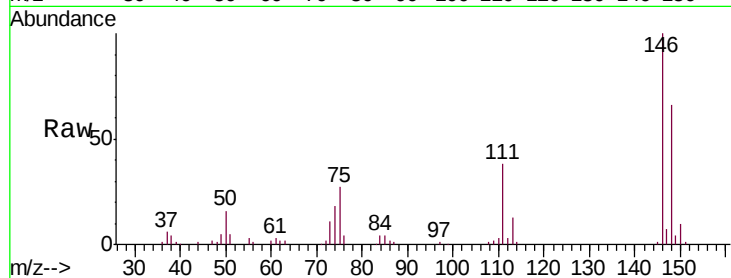




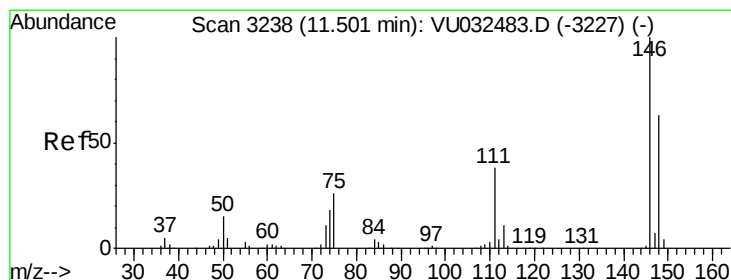
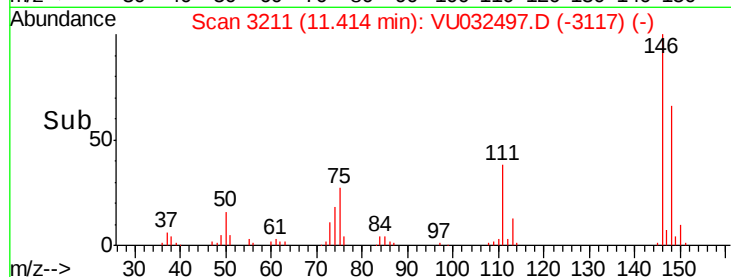
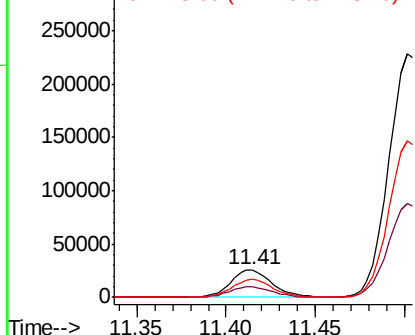
#62
 1,3-Dichlorobenzene
 Concen: 12.830 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU032497.D
 Acq: 06 Jun 2019 15:16

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C57

Tgt Ion:146 Resp: 42225
 Ion Ratio Lower Upper
 146 100
 111 38.1 27.3 50.7
 148 65.5 44.4 82.5

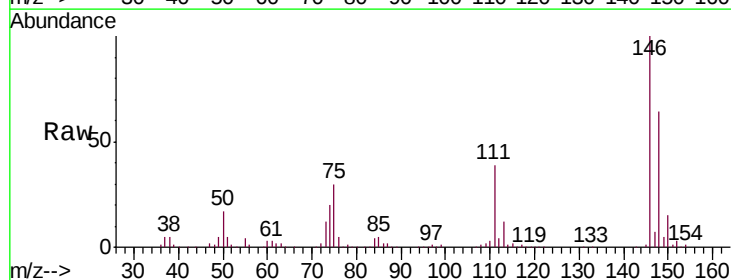


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

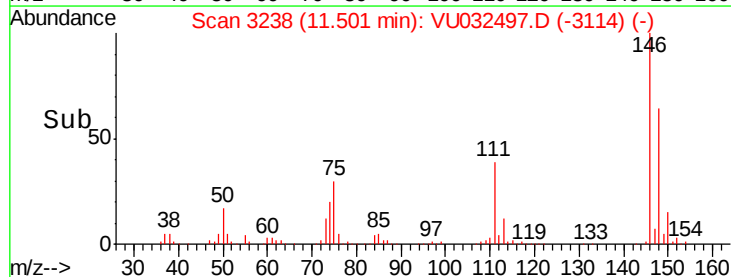
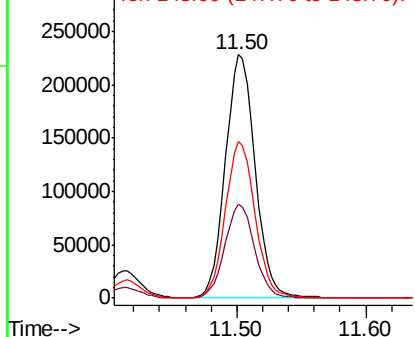


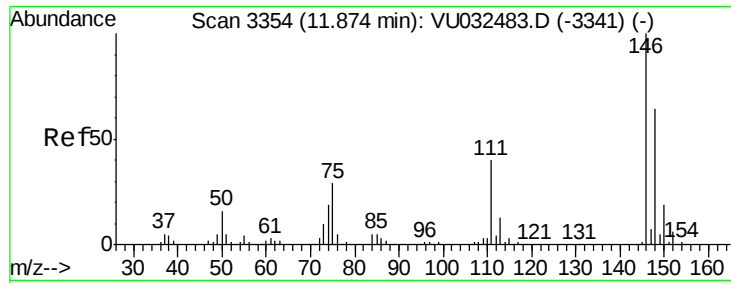
#63
 1,4-Dichlorobenzene
 Concen: 108.294 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032497.D
 Acq: 06 Jun 2019 15:16

Tgt Ion:146 Resp: 364383
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.6 49.4
 148 64.1 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 139.506 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032497.D

Acq: 06 Jun 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

C0C57

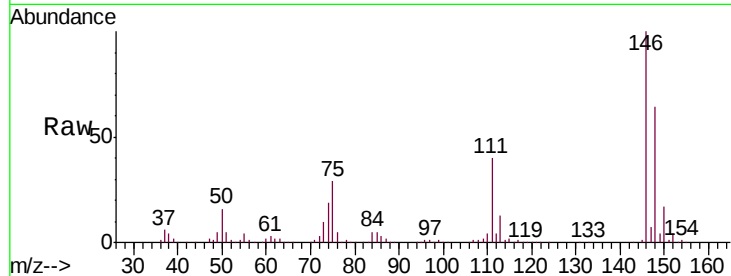
Tgt Ion:146 Resp: 464200

Ion Ratio Lower Upper

146 100

111 39.7 32.6 48.8

148 63.9 50.5 75.7

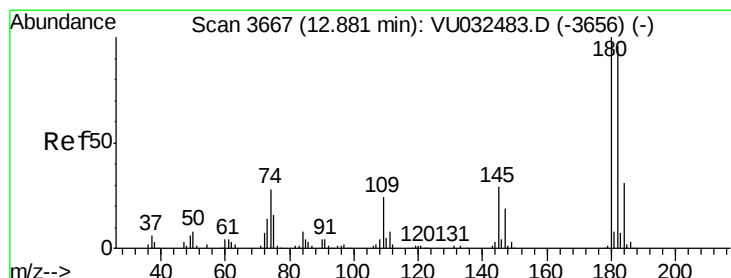
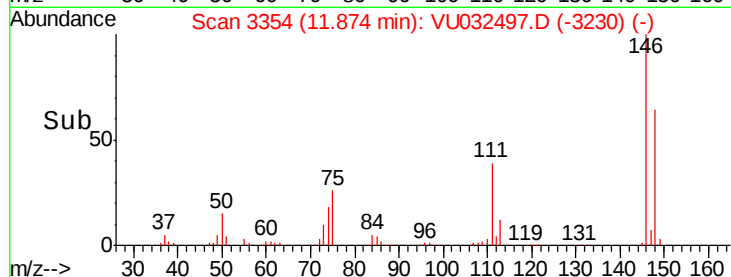
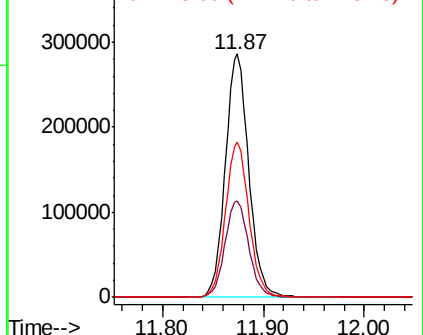


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 27.844 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. 0.62 min

Lab File: VU032497.D

Acq: 06 Jun 2019 15:16

Tgt Ion:180 Resp: 71299

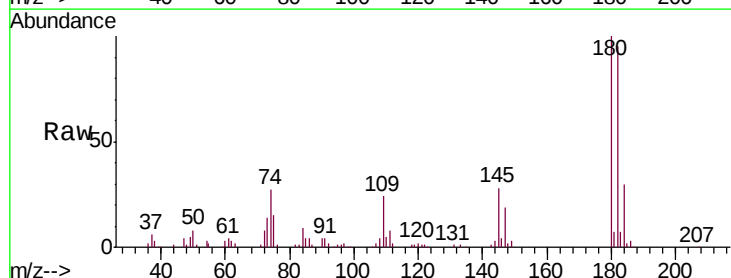
Ion Ratio Lower Upper

180 100

182 95.8 78.2 117.4

184 30.2 24.2 36.2

145 29.2 23.9 35.9



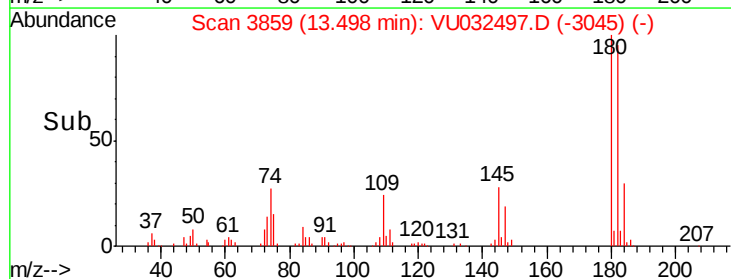
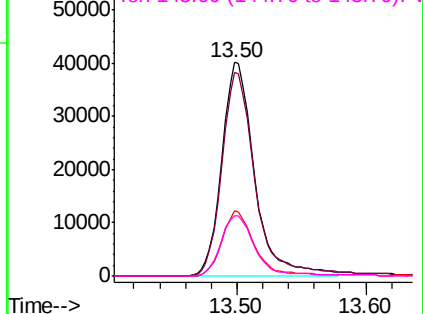
Abundance

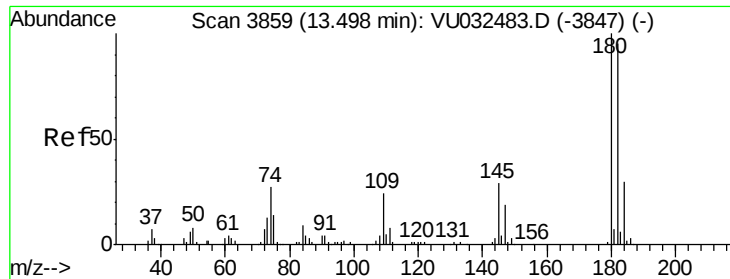
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

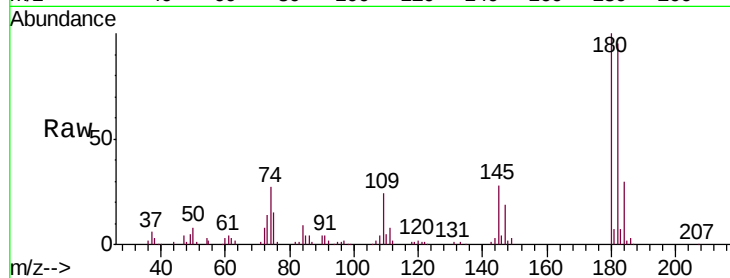




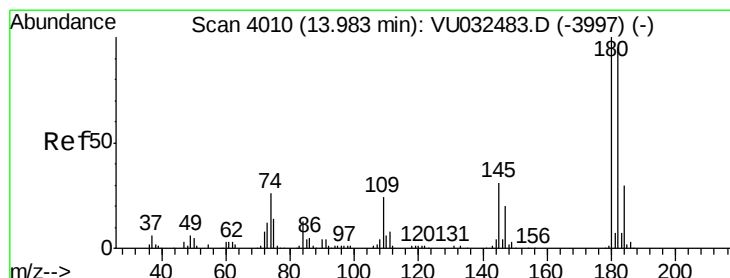
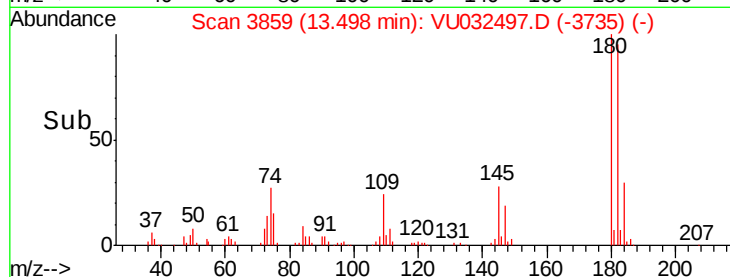
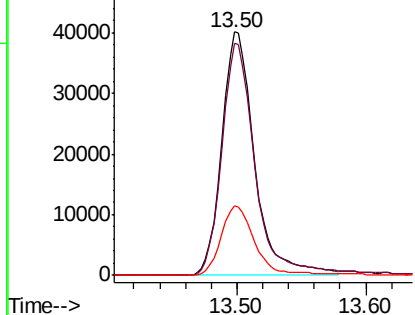
#68
 1,2,4-trichlorobenzene
 Concen: 32.867 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032497.D
 Acq: 06 Jun 2019 15:16

Instrument :
 MSVOA_U
 ClientSampled :
 C0C57

Tgt Ion:180 Resp: 71299
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.5 114.7
 145 29.2 23.8 35.6

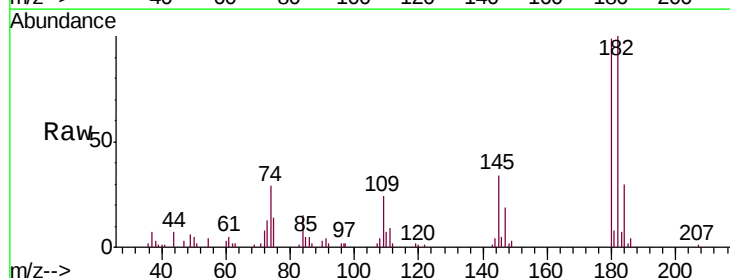


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 8.575 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU032497.D
 Acq: 06 Jun 2019 15:16

Tgt Ion:180 Resp: 19359
 Ion Ratio Lower Upper
 180 100
 182 101.4 76.7 115.1
 145 31.6 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

