

Data File : VU032561.D
Acq On : 10 Jun 2019 13:20
Operator : JC/SP
Sample : K3278-02MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8C9MS

Quant Time: Jun 11 04:45:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 04:40:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	199907	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	187847	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	97489	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	63551	49.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.00%
7) Chloroethane-d5	1.67	69	51588	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.27	63	124066	48.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.72%
21) 2-Butanone-d5	4.17	46	107052	98.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.63%
24) Chloroform-d	4.64	84	117095	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.82%
26) 1,2-Dichloroethane-d4	5.30	65	78157	51.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.58%
32) Benzene-d6	5.33	84	247270	50.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.32	67	77999	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.02%
41) Toluene-d8	7.56	98	232010	50.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.36%
43) trans-1,3-Dichloropropene-	7.85	79	38441	52.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.06%
47) 2-Hexanone-d5	8.31	63	71789	96.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.79%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	108540	48.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.98%
64) 1,2-Dichlorobenzene-d4	11.85	152	96133	51.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.96%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1117	0.914	ug/L #	18
12) 1,1-Dichloroethene	2.28	96	56382	47.532	ug/L	97
13) Acetone	2.32	43	3415	3.049	ug/L	88
27) 1,2-Dichloroethane	5.38	62	2320	1.214	ug/L #	75
33) Benzene	5.38	78	253208	47.975	ug/L	100
34) Trichloroethene	6.18	95	66674	46.433	ug/L	99
37) 1,2-Dichloropropane	6.32	63	8563	6.120	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2542	1.152	ug/L #	77
40) 4-Methyl-2-pentanone	7.56	43	1071	0.476	ug/L #	1
42) Toluene	7.63	91	278371	48.160	ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	1697	0.866	ug/L	86
48) 2-Hexanone	8.36	43	4993	2.701	ug/L #	64
51) Chlorobenzene	9.11	112	179326	48.154	ug/L	99
53) m,p-Xylene	9.37	106	2621	1.070	ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	11799	6.487	ug/L	92
69) Naphthalene	13.76	128	12421	2.026	ug/L #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061019\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
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Response via : Initial Calibration

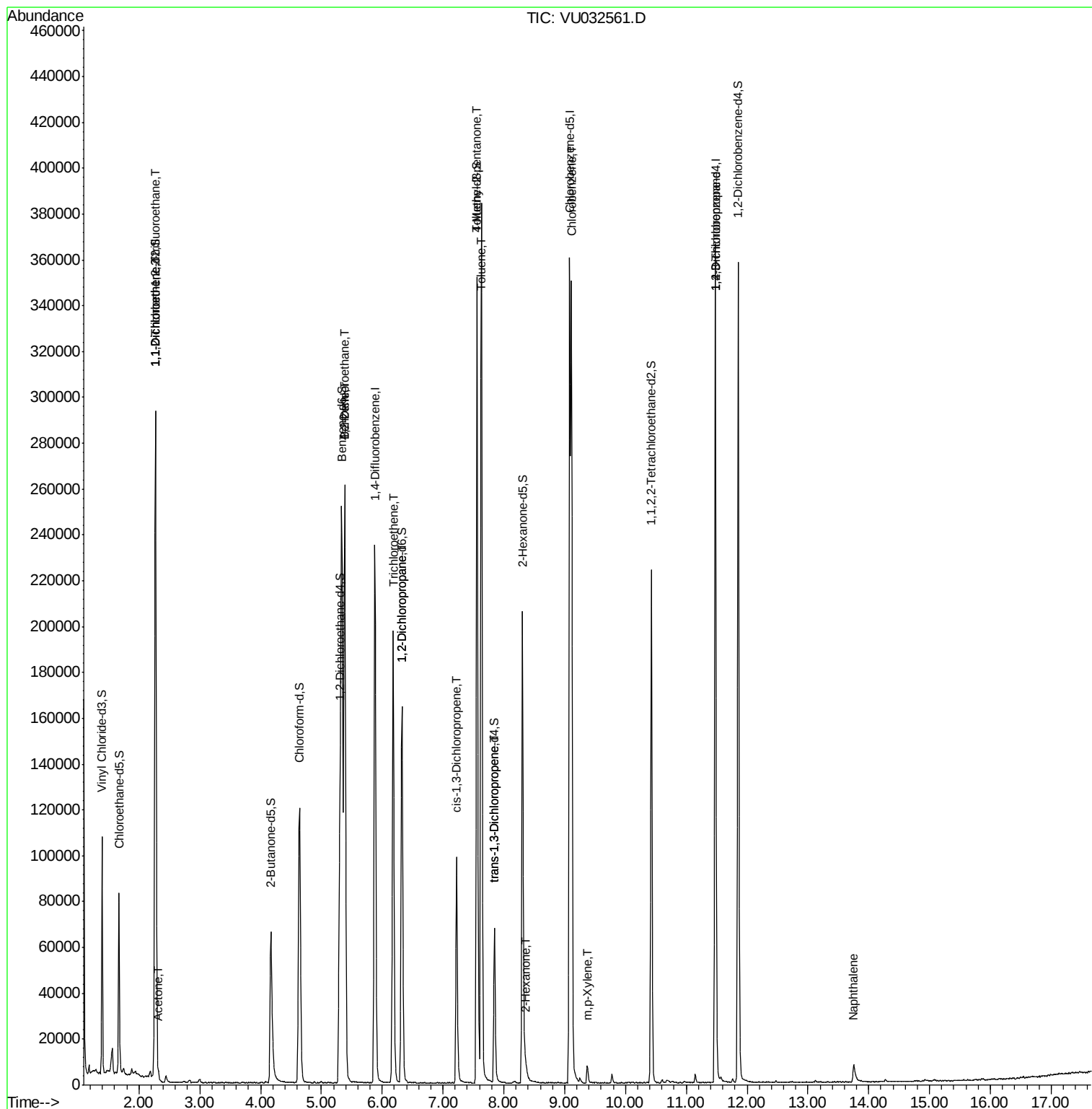
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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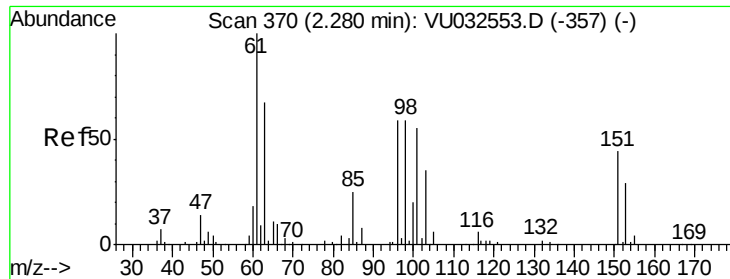
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.914 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032561.D

Acq: 10 Jun 2019 13:20

Instrument :

MSVOA_U

ClientSampleId :

DB8C9MS

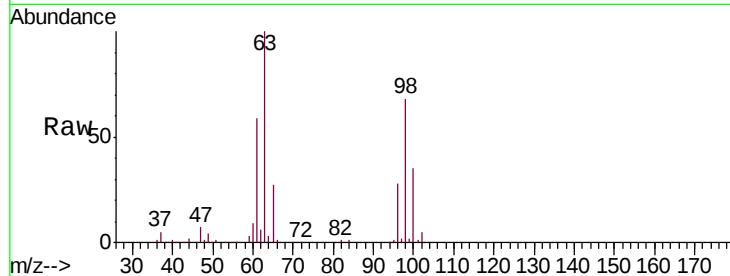
Tgt Ion: 101 Resp: 1117

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

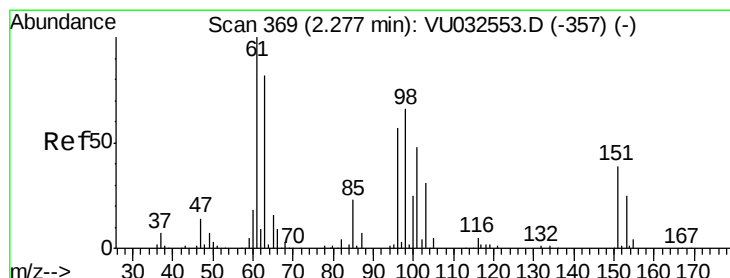
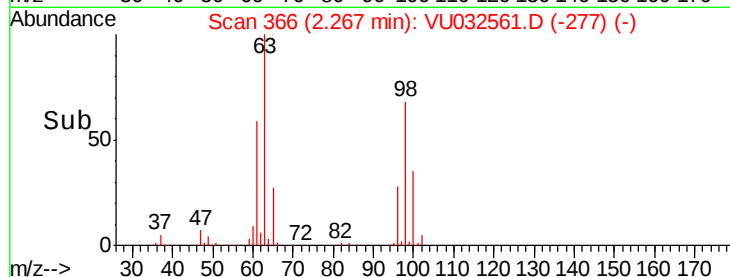
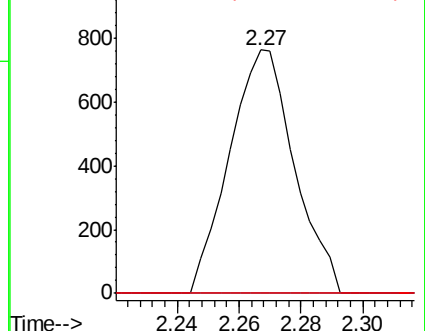
151 0.0 63.0 94.4#



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: 47.532 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032561.D

Acq: 10 Jun 2019 13:20

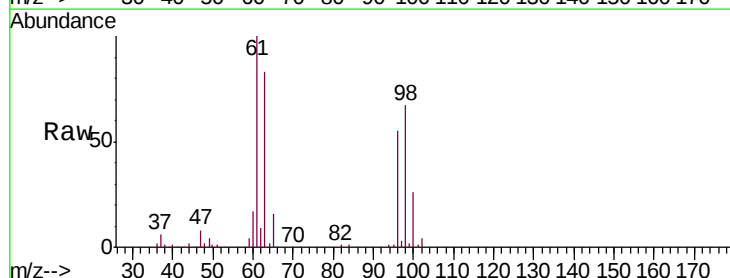
Tgt Ion: 96 Resp: 56382

Ion Ratio Lower Upper

96 100

61 180.3 129.5 240.5

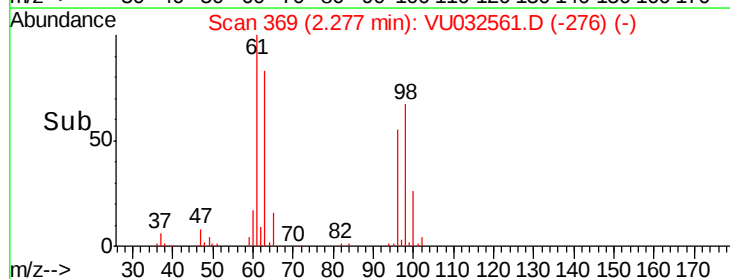
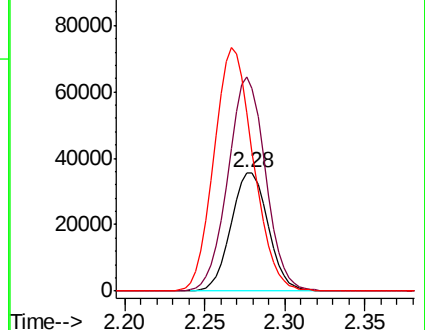
63 150.4 103.4 192.0

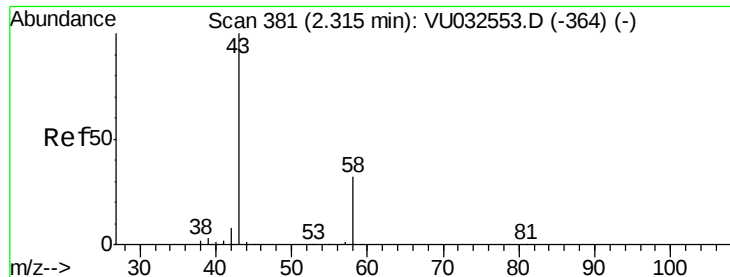


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.049 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032561.D

Acq: 10 Jun 2019 13:20

Instrument :

MSVOA_U

ClientSampleId :

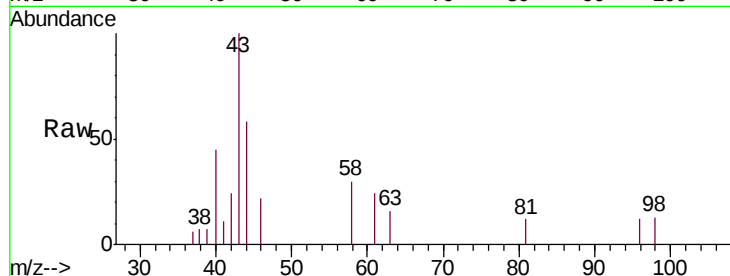
DB8C9MS

Tgt Ion: 43 Resp: 3415

Ion Ratio Lower Upper

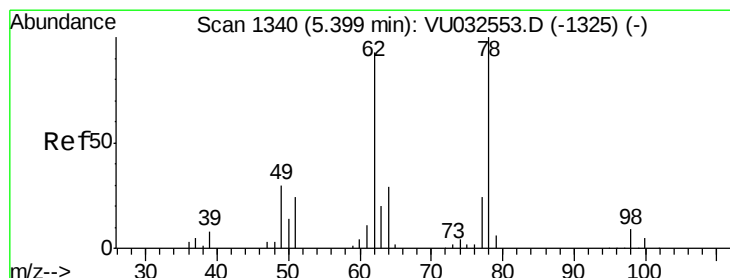
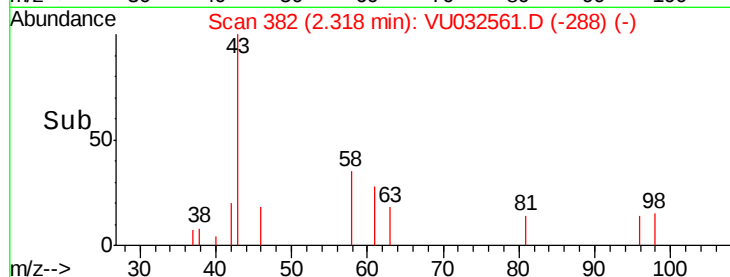
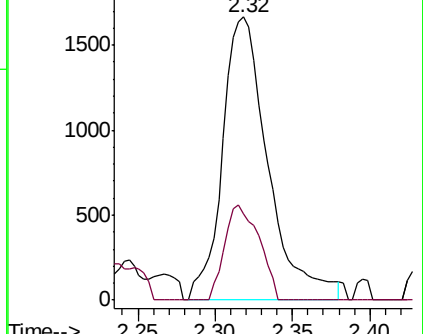
43 100

58 25.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032553.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU032553.D (-364) (-)



#27

1,2-Dichloroethane

Concen: 1.214 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VU032561.D

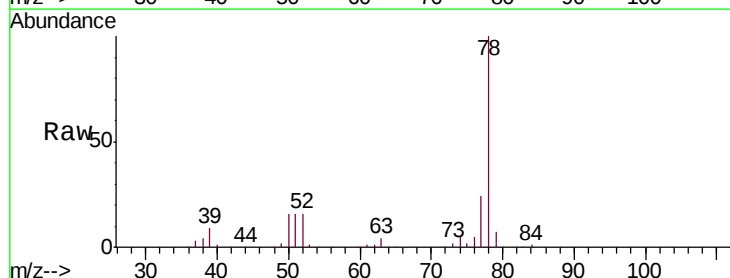
Acq: 10 Jun 2019 13:20

Tgt Ion: 62 Resp: 2320

Ion Ratio Lower Upper

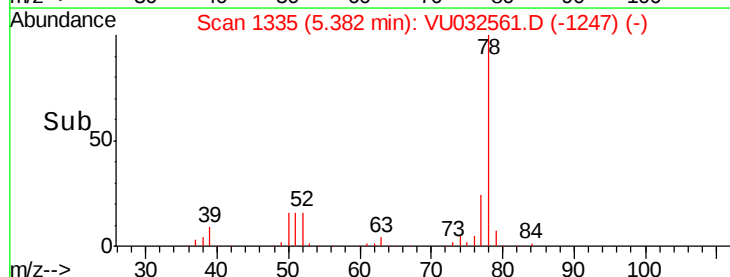
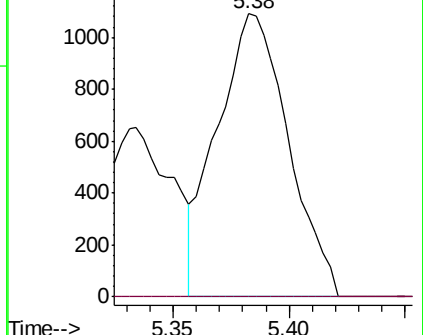
62 100

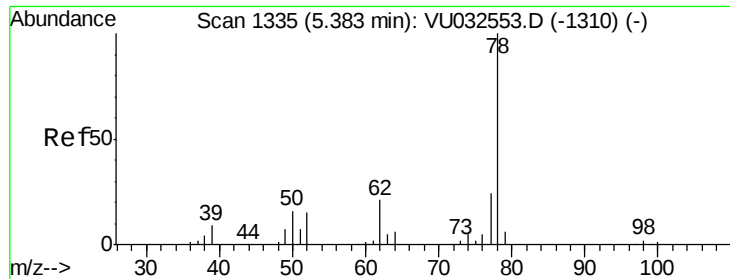
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032553.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032553.D (-1325) (-)

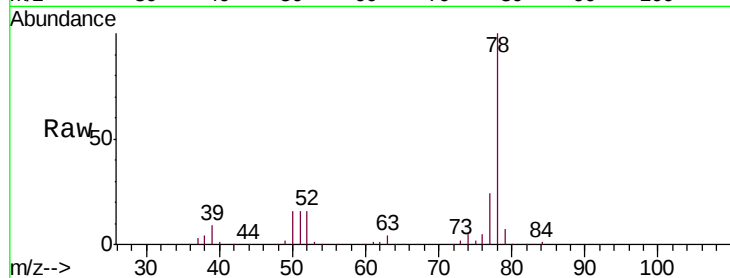




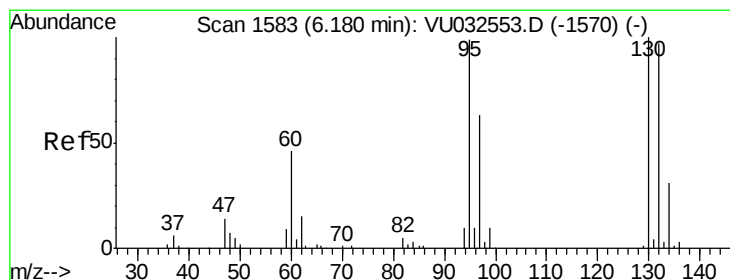
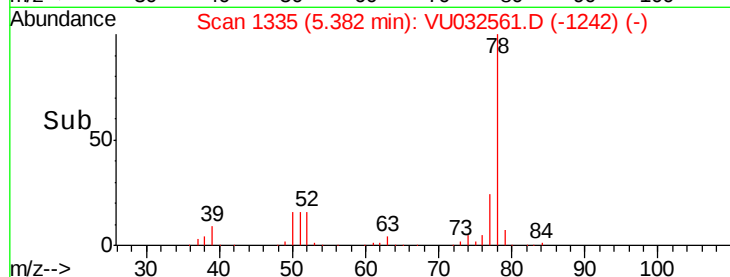
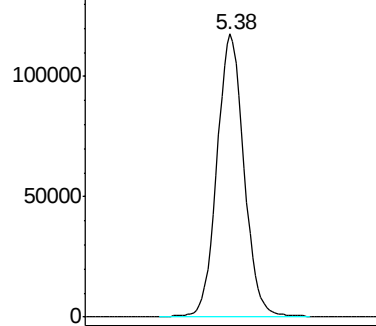
#33
Benzene
Concen: 47.975 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU032561.D
Acq: 10 Jun 2019 13:20

Instrument :
MSVOA_U
ClientSampleId :
DB8C9MS

Tgt Ion: 78 Resp: 253208

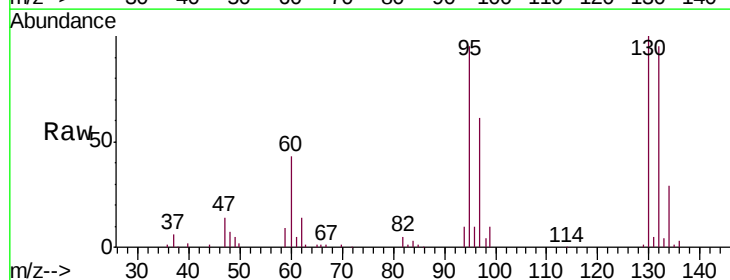


Abundance Ion 78.00 (77.70 to 78.70): VU0



#34
Trichloroethene
Concen: 46.433 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU032561.D
Acq: 10 Jun 2019 13:20

Tgt Ion: 95 Resp: 66674
Ion Ratio Lower Upper
95 100
97 64.2 45.8 85.2
132 99.4 71.0 131.8
130 105.1 73.4 136.2

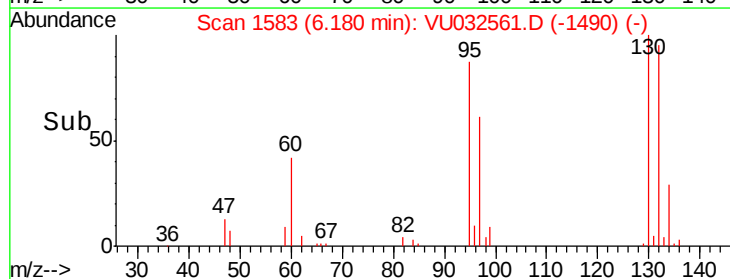
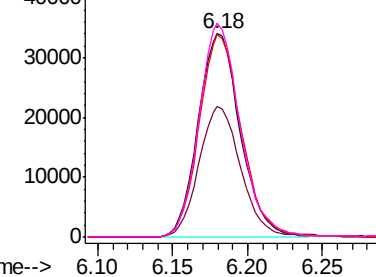


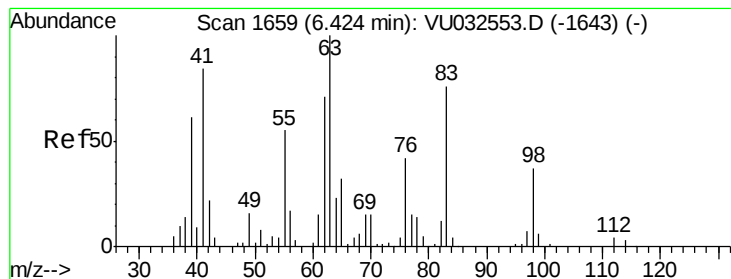
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#37

1,2-Dichloropropane

Concen: 6.120 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032561.D

Acq: 10 Jun 2019 13:20

Instrument :

MSVOA_U

ClientSampleId :

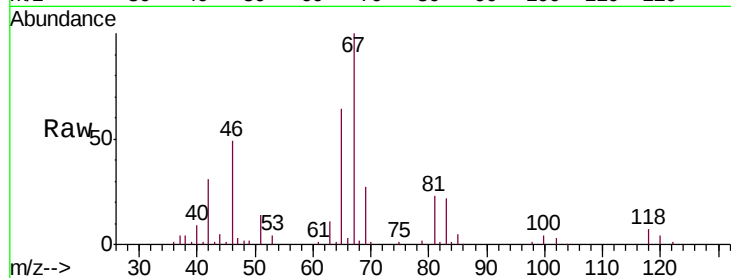
DB8C9MS

Tgt Ion: 63 Resp: 8563

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU032553.D (-1643) (-)

Ion 112.00 (111.70 to 112.70): VU032553.D (-1643) (-)

5000

4000

3000

2000

1000

0

6.25

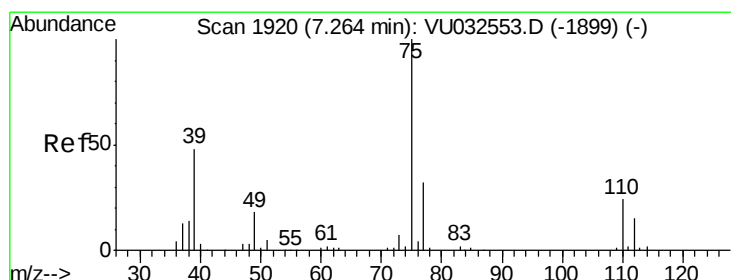
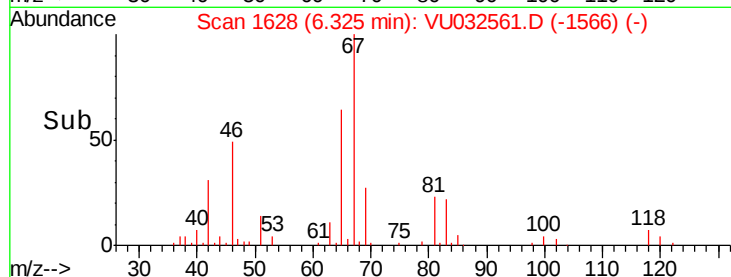
6.30

6.32

6.35

6.40

Time-->



#39

cis-1,3-Dichloropropene

Concen: 1.152 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU032561.D

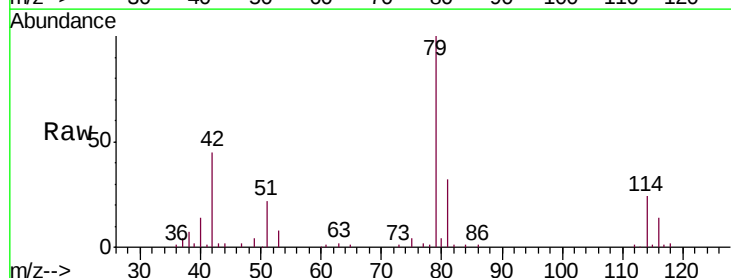
Acq: 10 Jun 2019 13:20

Tgt Ion: 75 Resp: 2542

Ion Ratio Lower Upper

75 100

77 44.1 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU032553.D (-1899) (-)

Ion 77.00 (76.70 to 77.70): VU032553.D (-1899) (-)

1500

1000

500

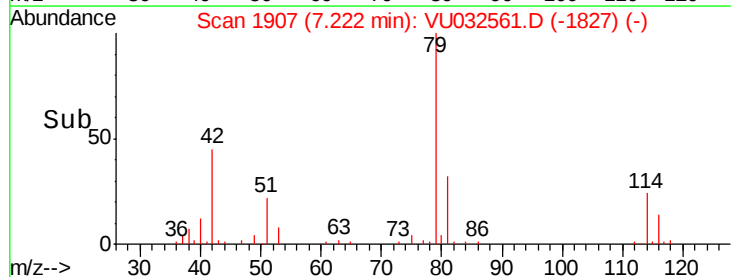
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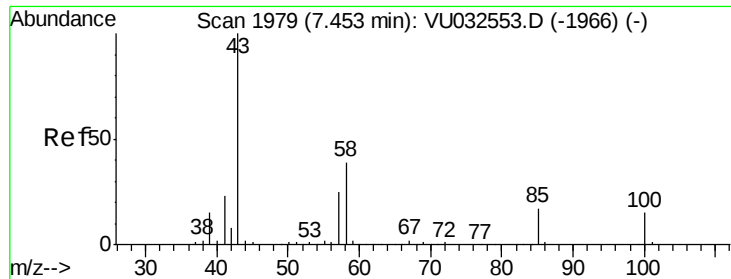
7.20

7.22

7.25

Time-->

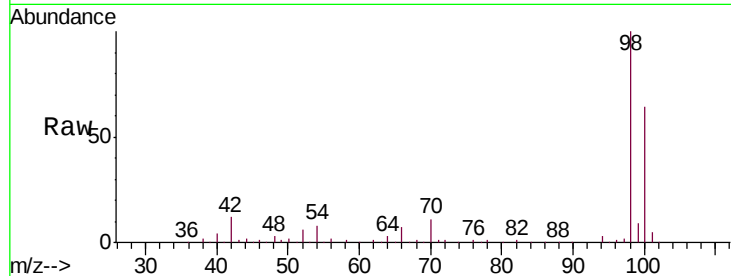




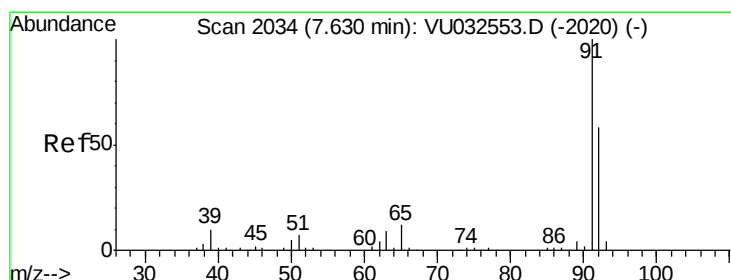
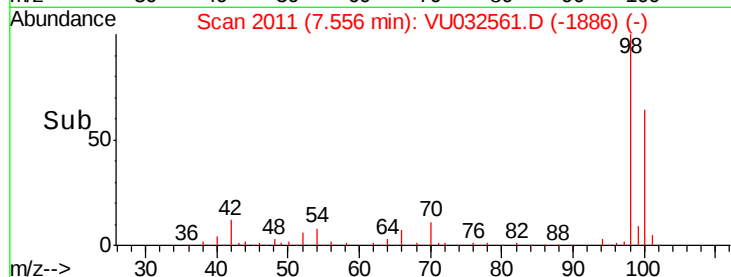
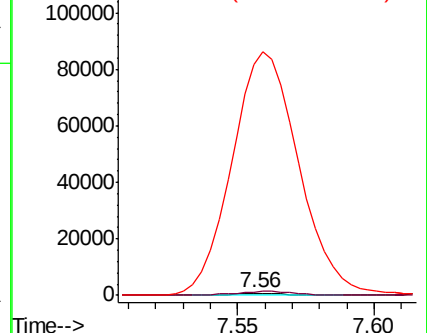
#40
4-Methyl-2-pentanone
Concen: 0.476 ug/L
RT: 7.56 min Scan# 2011
Delta R.T. 0.10 min
Lab File: VU032561.D
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Instrument :
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DB8C9MS

Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
58 192.5 30.8 46.2#
100 13810.6 12.1 18.1#

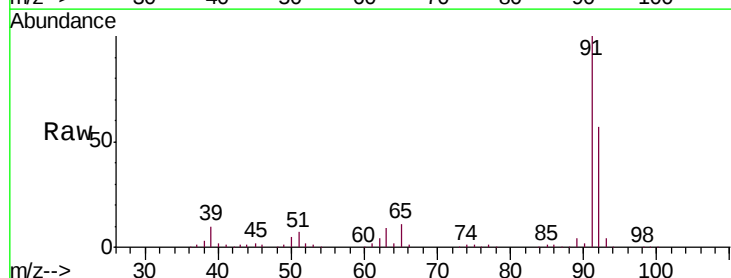


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

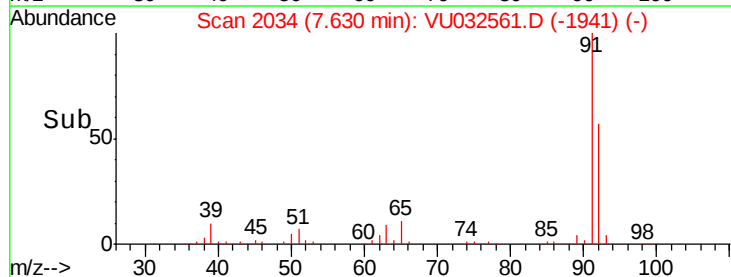
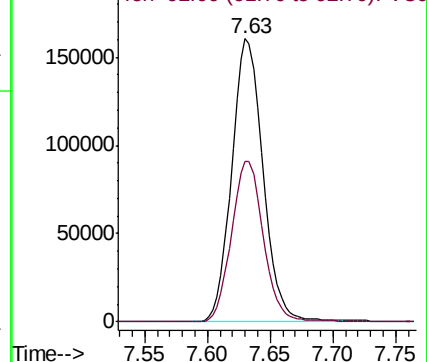


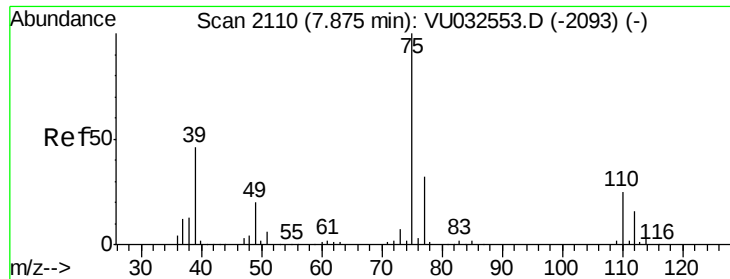
#42
Toluene
Concen: 48.160 ug/L
RT: 7.63 min Scan# 2034
Delta R.T. -0.00 min
Lab File: VU032561.D
Acq: 10 Jun 2019 13:20

Tgt Ion: 91 Resp: 278371
Ion Ratio Lower Upper
91 100
92 56.8 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0

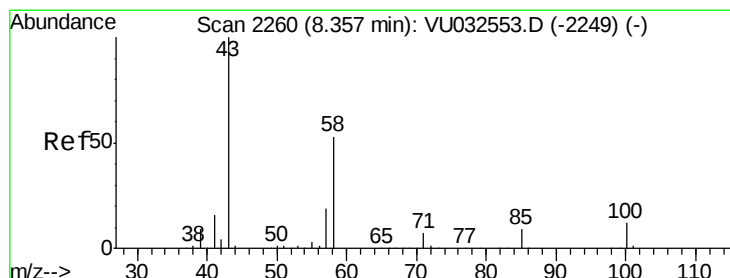
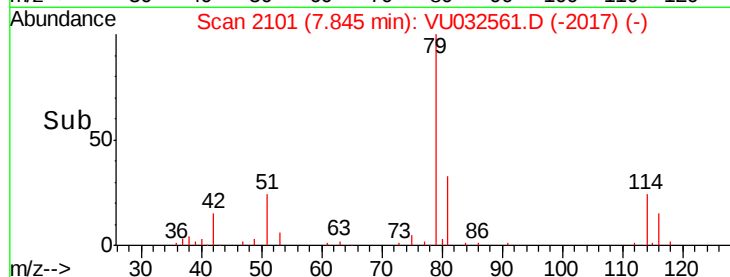
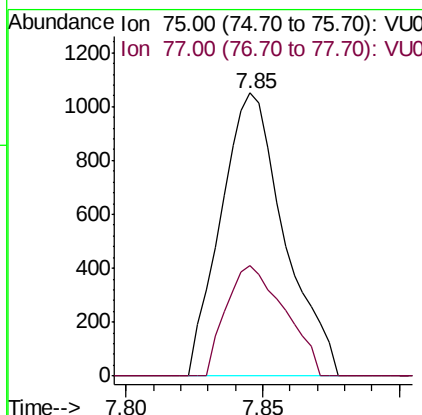
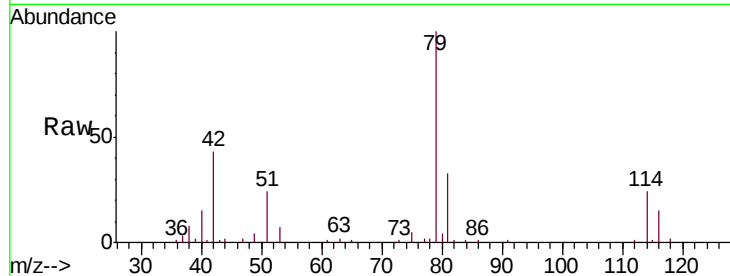




#44
trans-1,3-Dichloropropene
Concen: 0.866 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032561.D
Acq: 10 Jun 2019 13:20

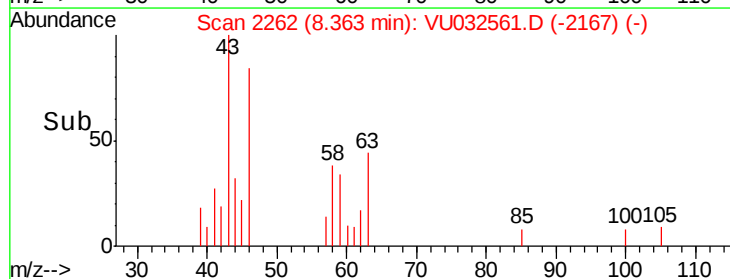
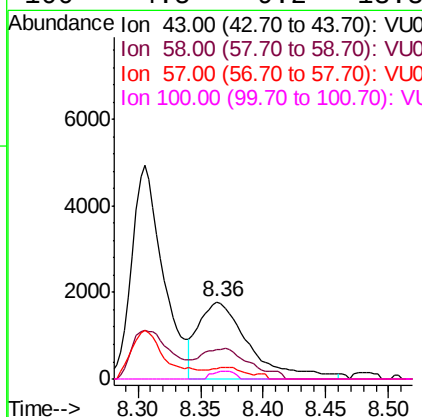
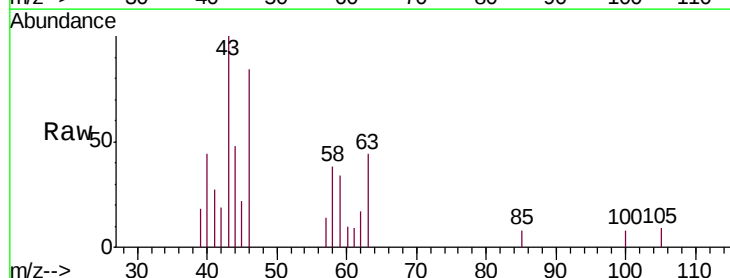
Instrument :
MSVOA_U
ClientSampleId :
DB8C9MS

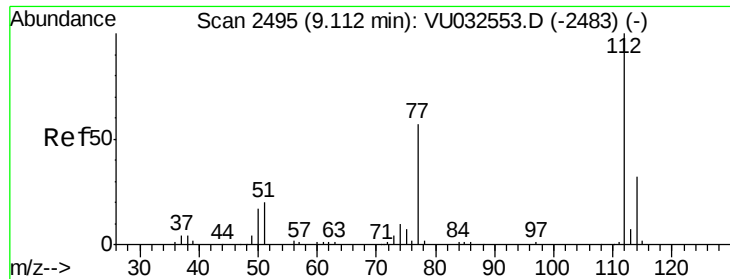
Tgt Ion: 75 Resp: 1697
Ion Ratio Lower Upper
75 100
77 39.2 22.1 41.1



#48
2-Hexanone
Concen: 2.701 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU032561.D
Acq: 10 Jun 2019 13:20

Tgt Ion: 43 Resp: 4993
Ion Ratio Lower Upper
43 100
58 26.0 42.0 63.0#
57 0.0 14.6 22.0#
100 4.5 9.2 13.8#

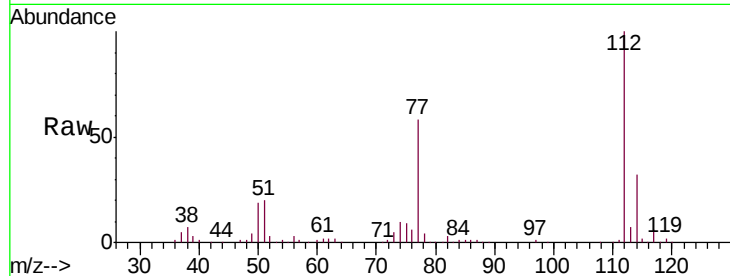




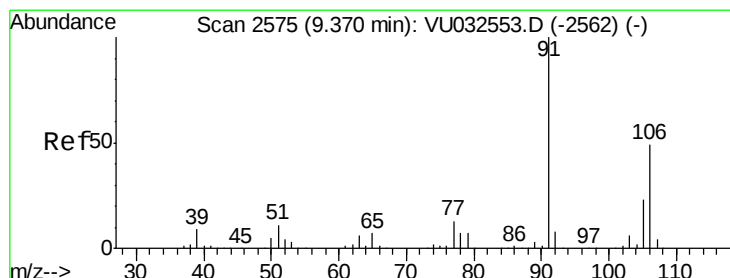
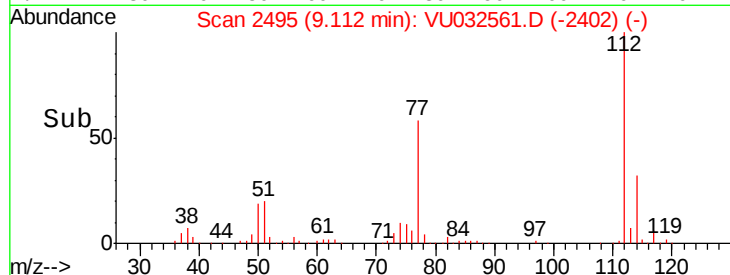
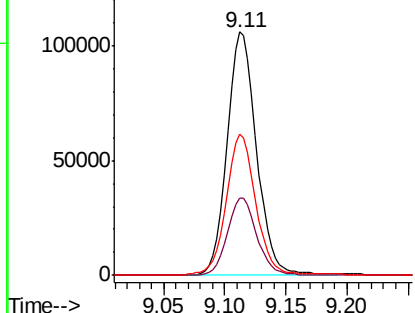
#51
Chlorobenzene
Concen: 48.154 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032561.D
Acq: 10 Jun 2019 13:20

Instrument :
MSVOA_U
ClientSampleId :
DB8C9MS

Tgt Ion:112 Resp: 179326
Ion Ratio Lower Upper
112 100
114 31.8 22.6 42.0
77 58.2 46.1 69.1

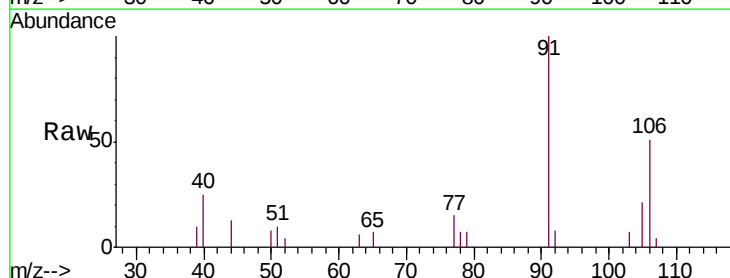


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU

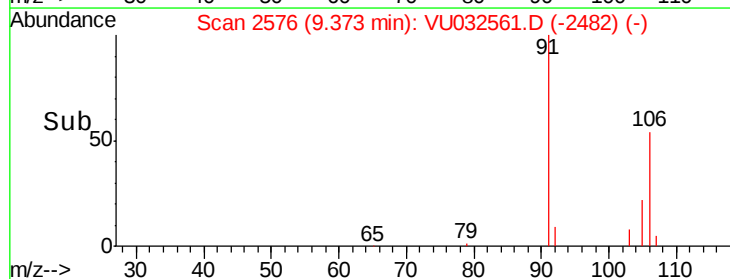
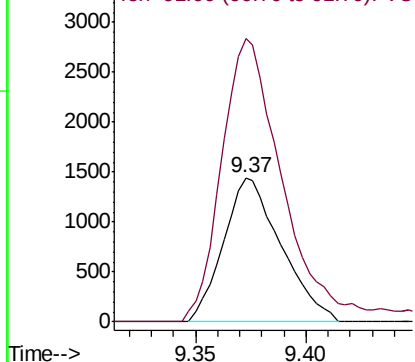


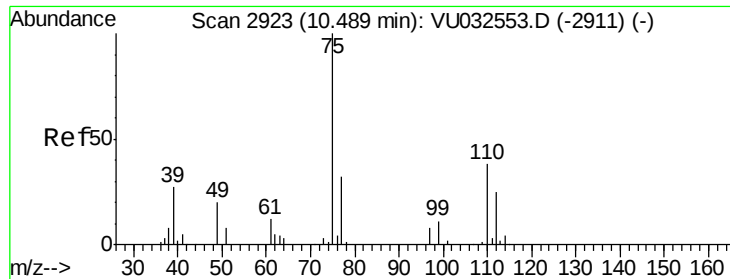
#53
m,p-Xylene
Concen: 1.070 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU032561.D
Acq: 10 Jun 2019 13:20

Tgt Ion:106 Resp: 2621
Ion Ratio Lower Upper
106 100
91 196.0 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU

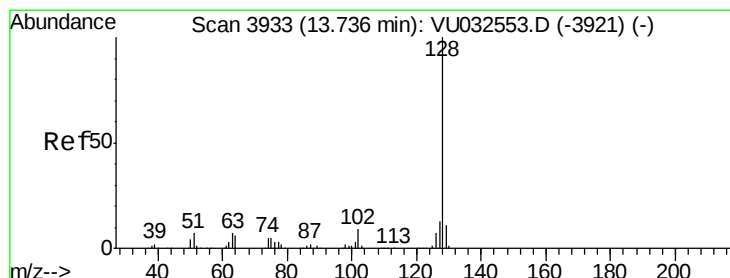
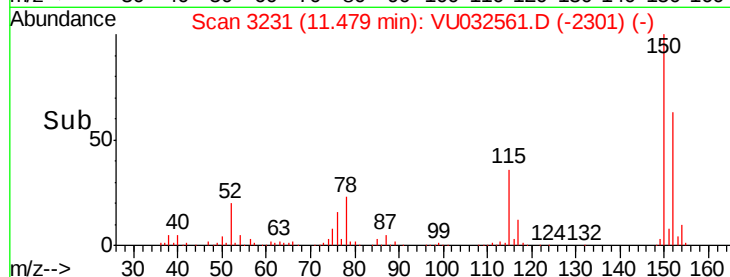
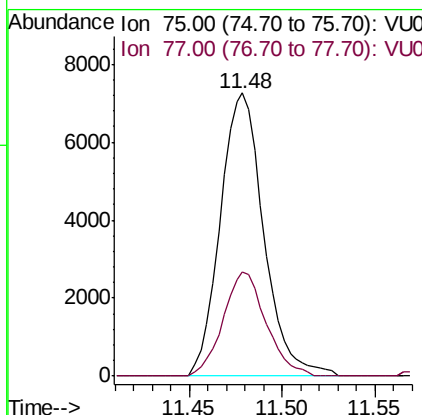
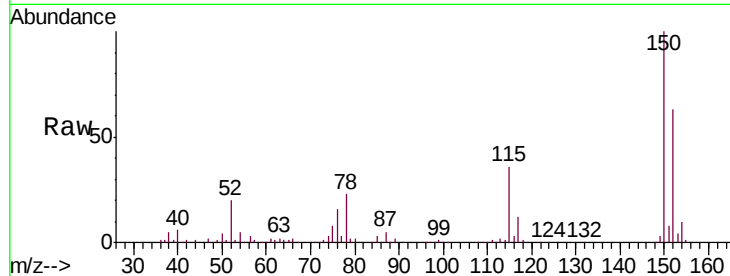




#59
 1,2,3-Trichloropropane
 Concen: 6.487 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032561.D
 Acq: 10 Jun 2019 13:20

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8C9MS

Tgt Ion: 75 Resp: 11799
 Ion Ratio Lower Upper
 75 100
 77 36.4 25.6 38.4



#69
 Naphthalene
 Concen: 2.026 ug/L
 RT: 13.76 min Scan# 3939
 Delta R.T. 0.02 min
 Lab File: VU032561.D
 Acq: 10 Jun 2019 13:20

Tgt Ion: 128 Resp: 12421
 Ion Ratio Lower Upper
 128 100
 127 7.0 10.4 15.6#
 129 6.1 8.5 12.7#

