

Data File : VU032560.D
Acq On : 10 Jun 2019 12:57
Operator : JC/SP
Sample : K3278-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8C9

Quant Time: Jun 11 04:44:57 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	178904	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	167012	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87641	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64267	55.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.74%
7) Chloroethane-d5	1.68	69	52351	56.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.26%
11) 1,1-Dichloroethene-d2	2.27	63	97452	42.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.76%
21) 2-Butanone-d5	4.17	46	122300	125.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.91%
24) Chloroform-d	4.64	84	122721	56.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.38%
26) 1,2-Dichloroethane-d4	5.30	65	82334	60.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	120.74%
32) Benzene-d6	5.33	84	258573	59.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.28%
36) 1,2-Dichloropropane-d6	6.32	67	81570	60.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	120.00%
41) Toluene-d8	7.56	98	239113	58.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.32%
43) trans-1,3-Dichloropropene-	7.85	79	38781	59.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	119.22%
47) 2-Hexanone-d5	8.31	63	78595	119.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.18%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114968	58.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	116.72%
64) 1,2-Dichlorobenzene-d4	11.85	152	100419	59.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.64%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	887	0.811	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	895	0.843	ug/L #	1
13) Acetone	2.32	43	3152	3.145	ug/L	99
27) 1,2-Dichloroethane	5.33	62	1380	0.807	ug/L #	75
34) Trichloroethene	6.19	95	926	0.725	ug/L	81
37) 1,2-Dichloropropane	6.33	63	8843	7.109	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2681	1.366	ug/L #	61
40) 4-Methyl-2-pentanone	7.56	43	1175	0.587	ug/L #	1
42) Toluene	7.64	91	6605	1.285	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	1888	1.084	ug/L	87
48) 2-Hexanone	8.36	43	4514	2.746	ug/L #	89
53) m,p-Xylene	9.38	106	2022	0.928	ug/L	89
54) o-xylene	9.78	106	1208	0.559	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	10050	6.215	ug/L	90
69) Naphthalene	13.75	128	11706	2.124	ug/L #	89

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

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QLast Update : Tue Jun 11 04:40:52 2019
Response via : Initial Calibration

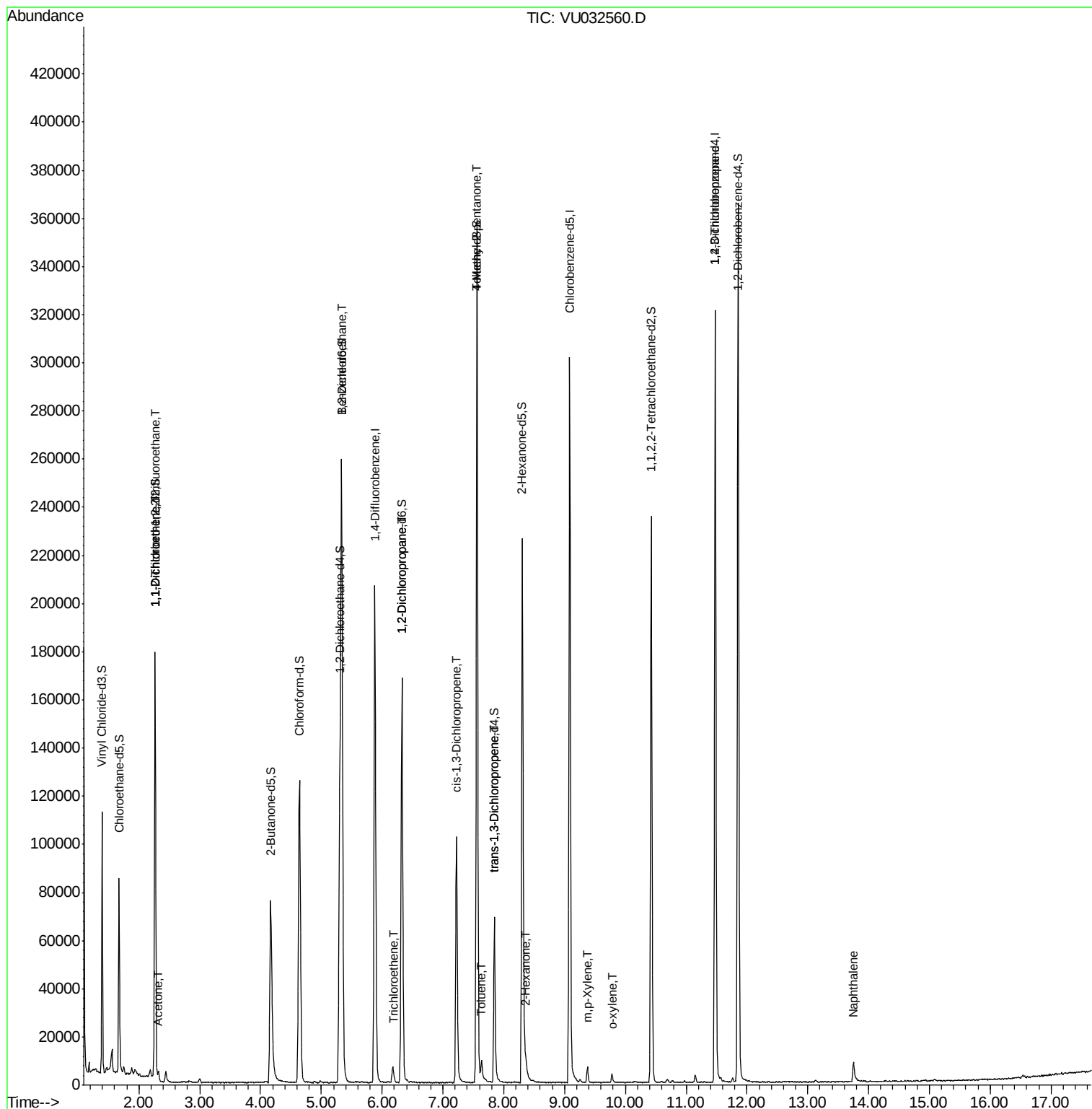
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

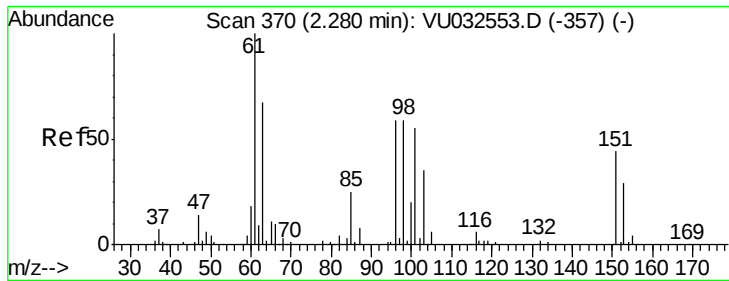
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#10

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

Concen: 0.811 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032560.D

Acq: 10 Jun 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

DB8C9

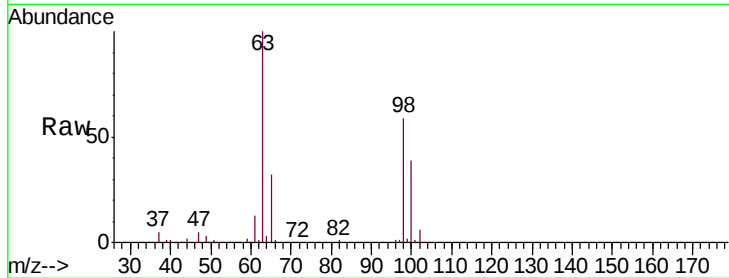
Tgt Ion: 101 Resp: 887

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): VUC

Ion 151.00 (150.70 to 151.70): V

2.27

800

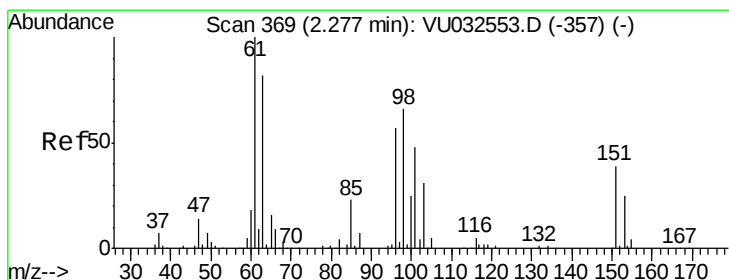
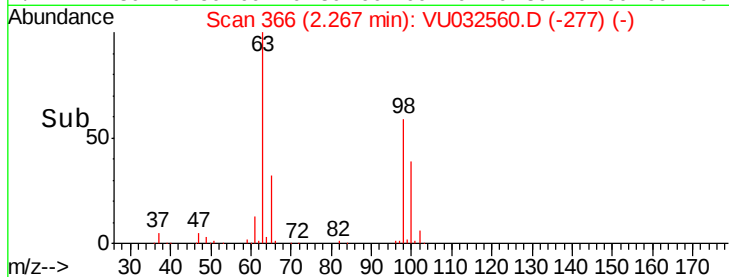
600

400

200

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.843 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032560.D

Acq: 10 Jun 2019 12:57

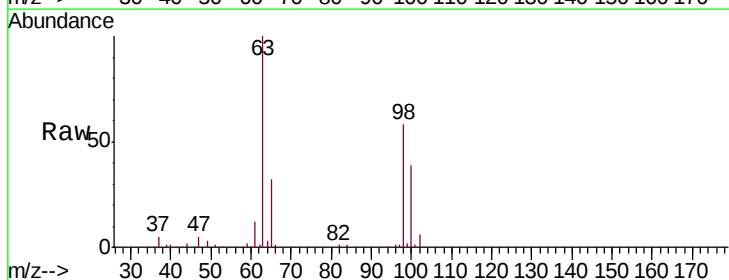
Tgt Ion: 96 Resp: 895

Ion Ratio Lower Upper

96 100

61 1273.4 129.5 240.5#

63 10287.5 103.4 192.0#



Abundance Ion 96.00 (95.70 to 96.70): VUC

Ion 61.00 (60.70 to 61.70): VUC

Ion 63.00 (62.70 to 63.70): VUC

80000

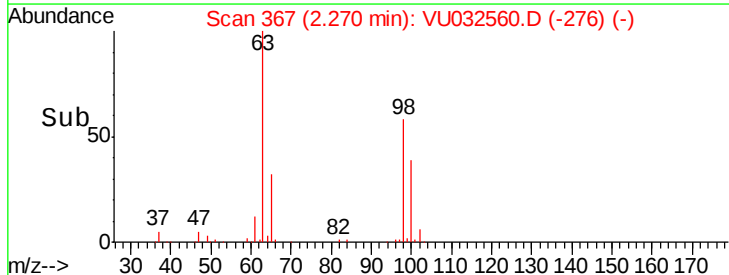
60000

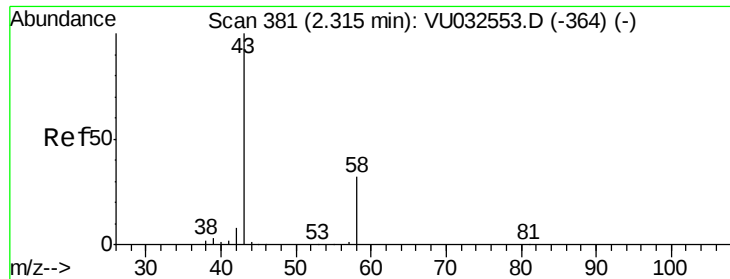
40000

20000

0

Time-->





#13

Acetone

Concen: 3.145 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032560.D

Acq: 10 Jun 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

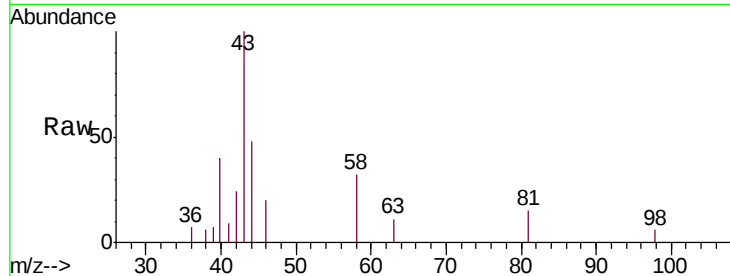
DB8C9

Tgt Ion: 43 Resp: 3152

Ion Ratio Lower Upper

43 100

58 31.2 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) (-)

2000

1500

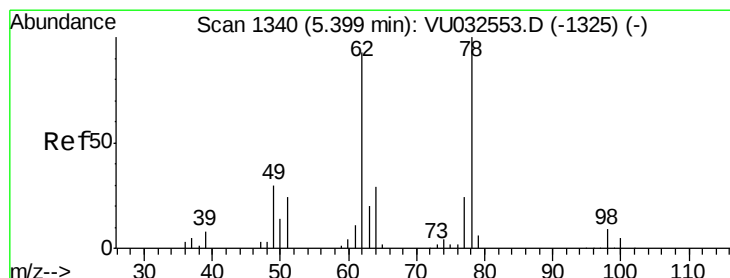
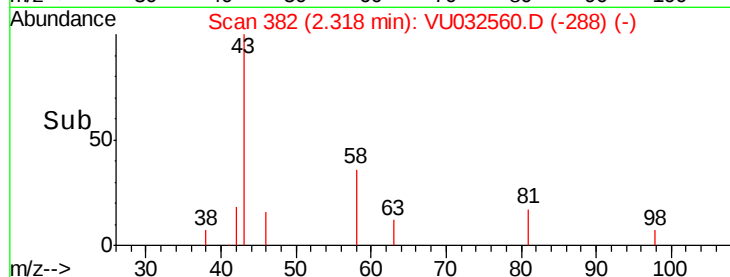
1000

500

0

2.25 2.30 2.35

Time-->



#27

1,2-Dichloroethane

Concen: 0.807 ug/L

RT: 5.33 min Scan# 1319

Delta R.T. -0.07 min

Lab File: VU032560.D

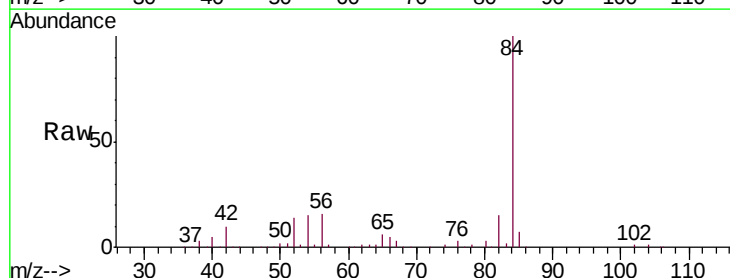
Acq: 10 Jun 2019 12:57

Tgt Ion: 62 Resp: 1380

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) (-)

600

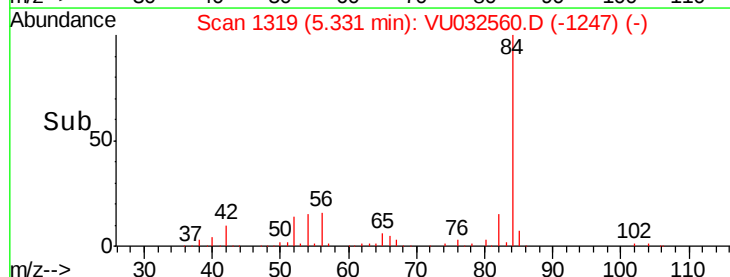
400

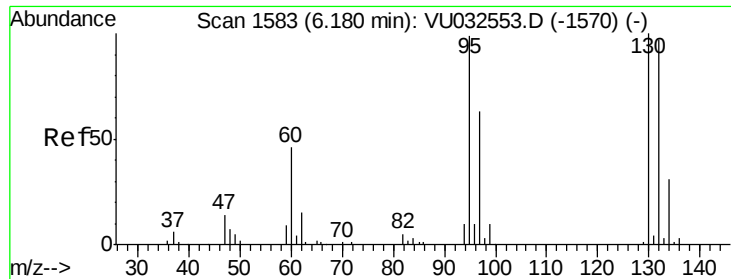
200

0

5.30 5.35

Time-->

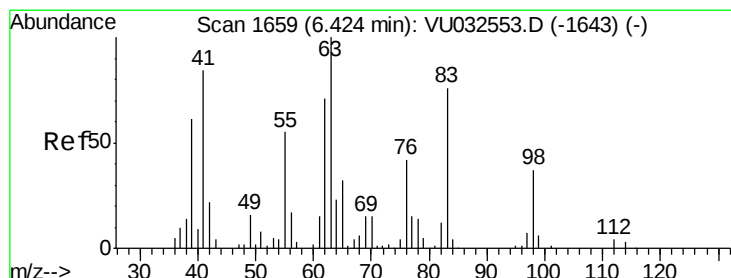
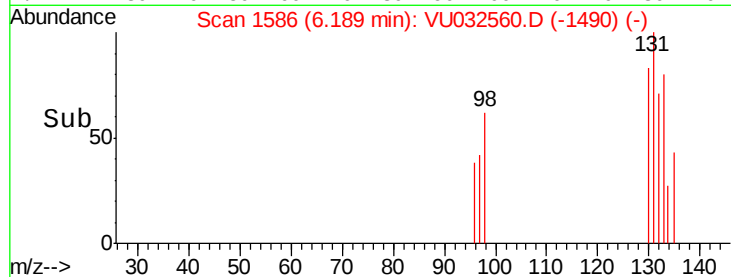
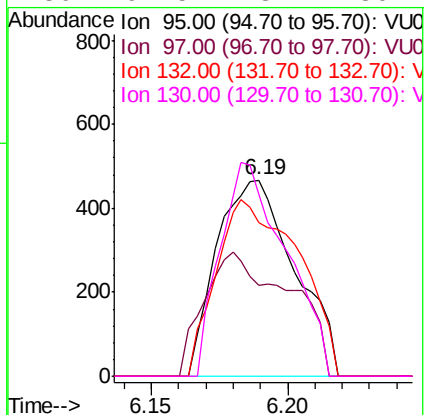
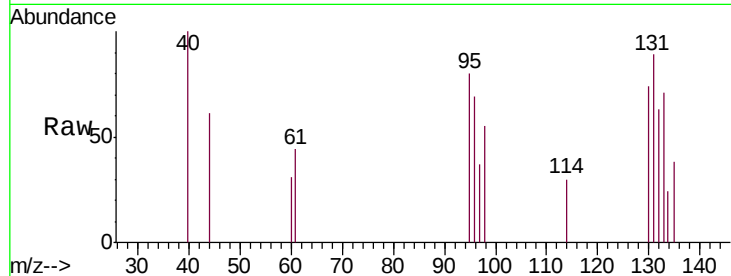




#34
 Trichloroethene
 Concen: 0.725 ug/L
 RT: 6.19 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VU032560.D
 Acq: 10 Jun 2019 12:57

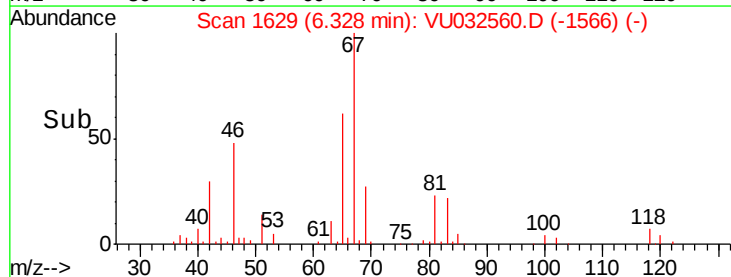
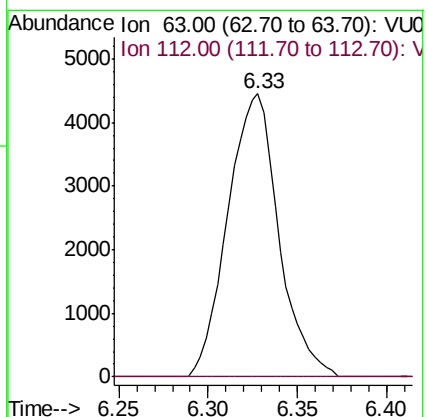
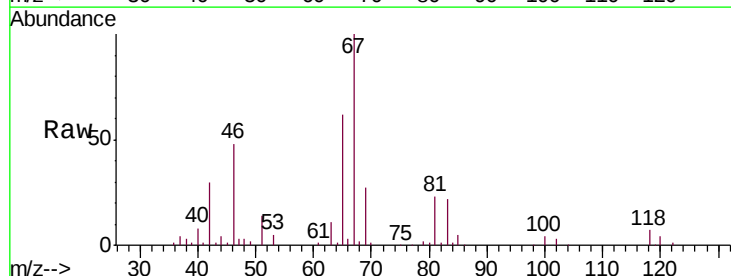
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8C9

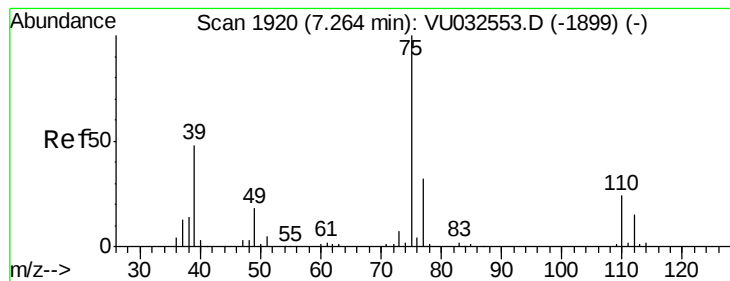
Tgt Ion: 95 Resp: 926
 Ion Ratio Lower Upper
 95 100
 97 46.5 45.8 85.2
 132 78.4 71.0 131.8
 130 92.5 73.4 136.2



#37
 1,2-Dichloropropane
 Concen: 7.109 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU032560.D
 Acq: 10 Jun 2019 12:57

Tgt Ion: 63 Resp: 8843
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



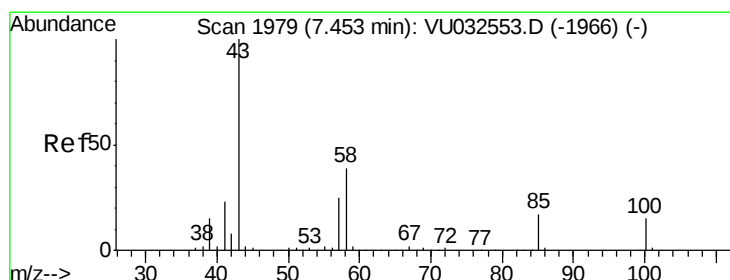
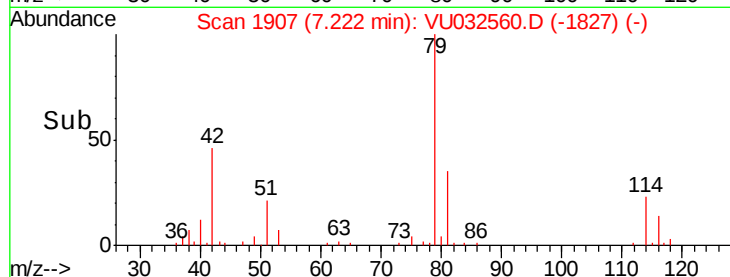
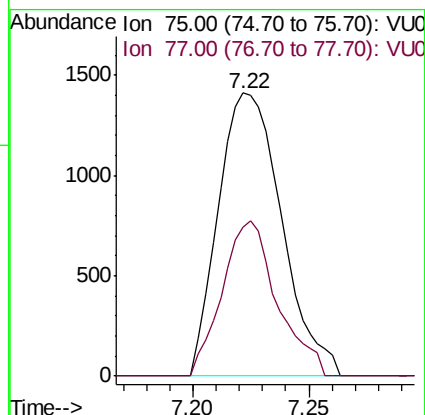
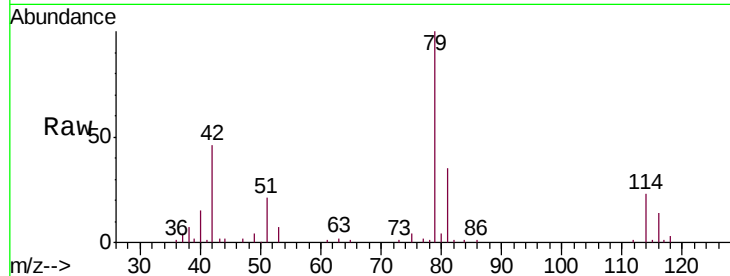


#39

cis-1,3-Dichloropropene
 Concen: 1.366 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032560.D
 Acq: 10 Jun 2019 12:57

Instrument :
 MSVOA_U
 ClientSampleID :
 DB8C9

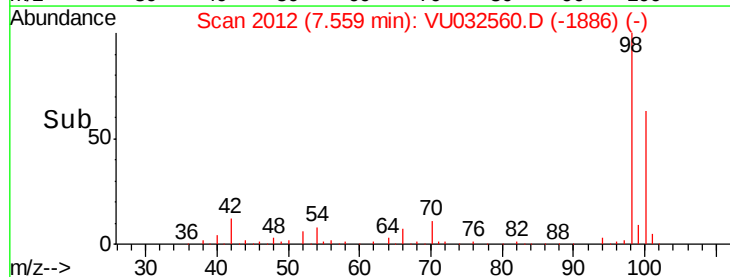
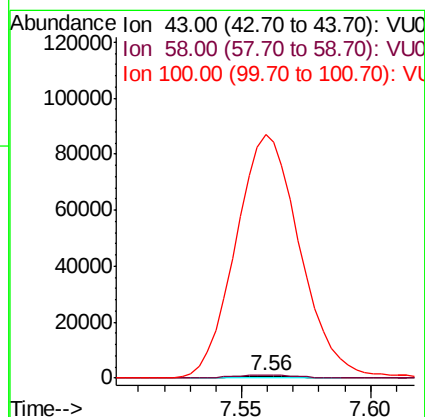
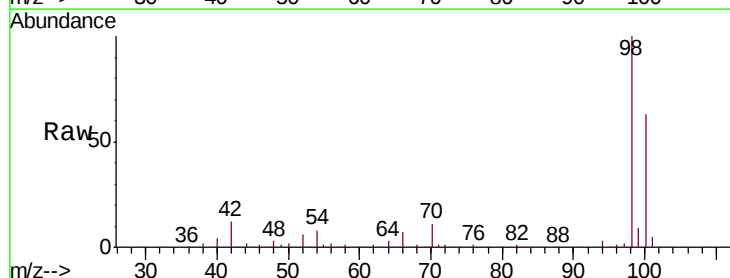
Tgt Ion: 75 Resp: 2681
 Ion Ratio Lower Upper
 75 100
 77 52.8 22.0 41.0#

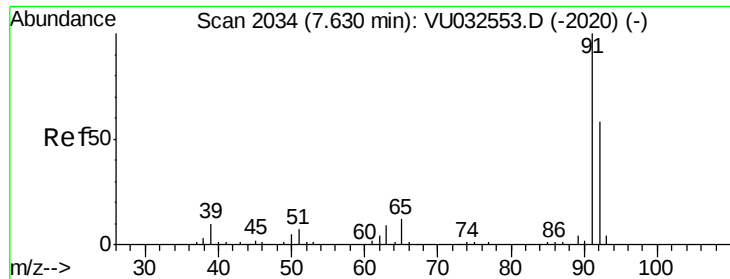


#40

4-Methyl-2-pentanone
 Concen: 0.587 ug/L
 RT: 7.56 min Scan# 2012
 Delta R.T. 0.11 min
 Lab File: VU032560.D
 Acq: 10 Jun 2019 12:57

Tgt Ion: 43 Resp: 1175
 Ion Ratio Lower Upper
 43 100
 58 158.7 30.8 46.2#
 100 13024.8 12.1 18.1#





#42

Toluene

Concen: 1.285 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VU032560.D

Acq: 10 Jun 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

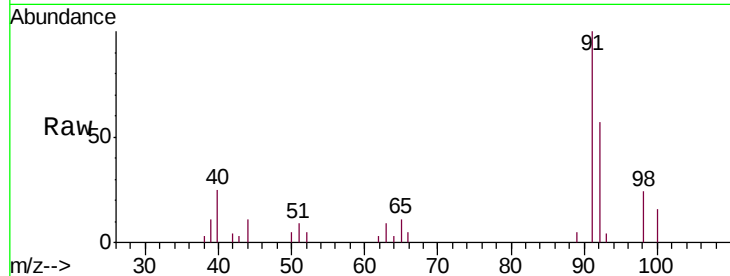
DB8C9

Tgt Ion: 91 Resp: 6605

Ion Ratio Lower Upper

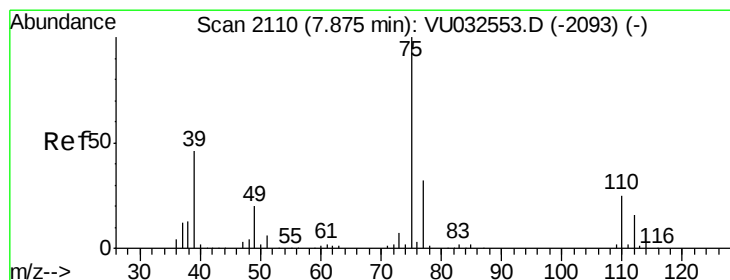
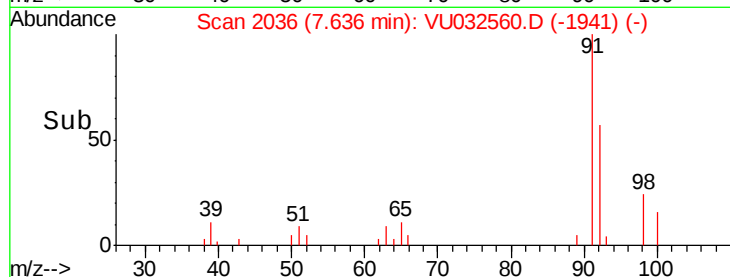
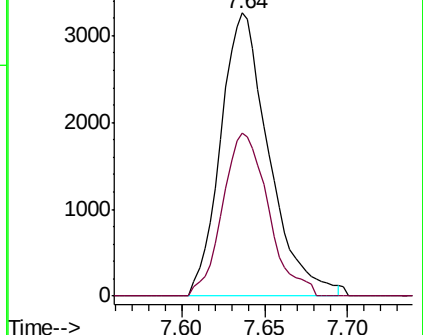
91 100

92 57.5 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032553.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032553.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.084 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032560.D

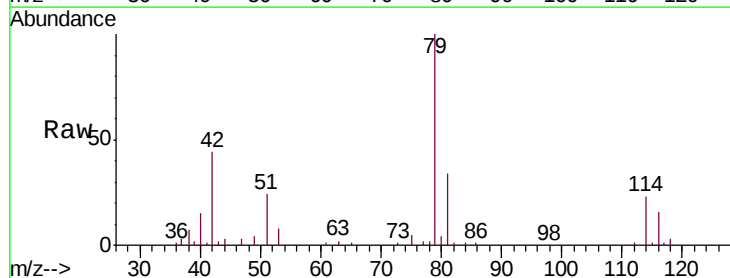
Acq: 10 Jun 2019 12:57

Tgt Ion: 75 Resp: 1888

Ion Ratio Lower Upper

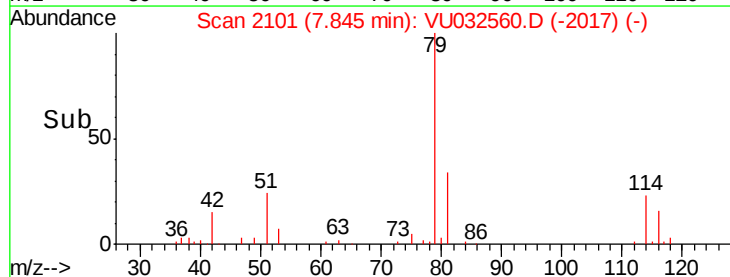
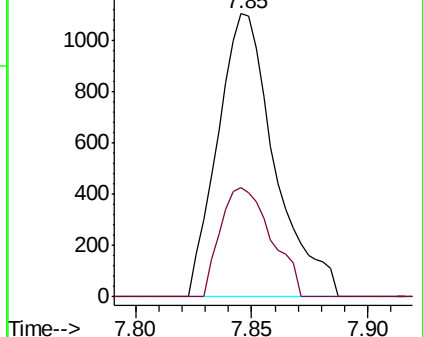
75 100

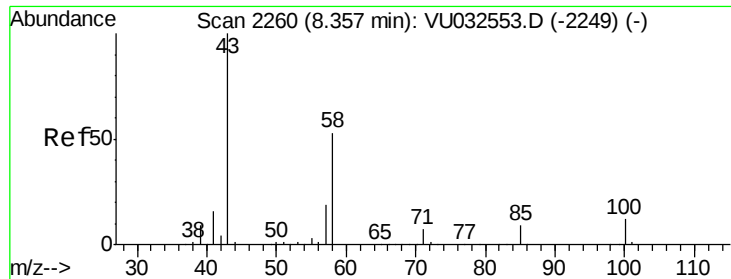
77 38.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032553.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032553.D (-2093) (-)

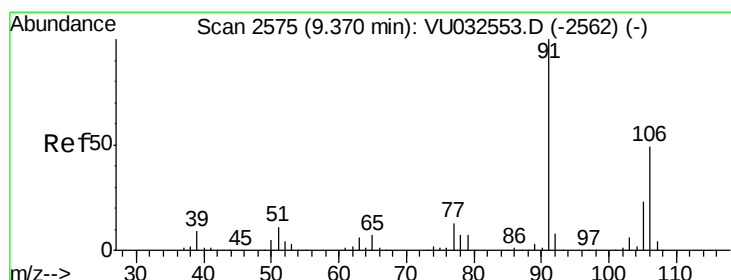
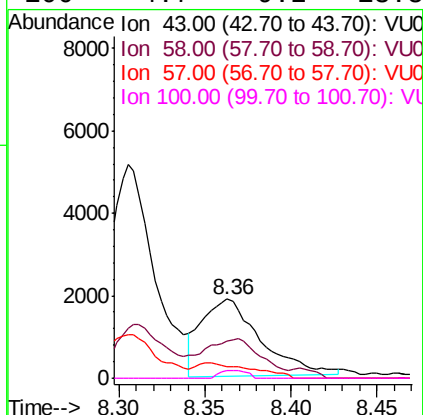
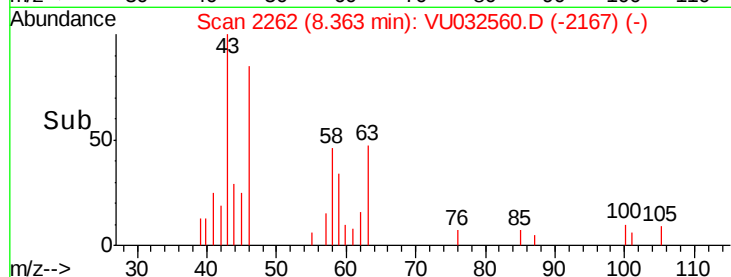
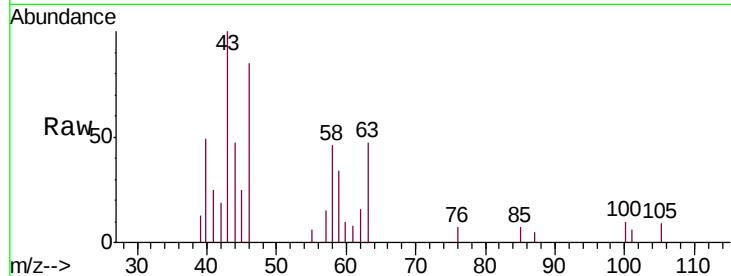




#48
2-Hexanone
Concen: 2.746 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU032560.D
Acq: 10 Jun 2019 12:57

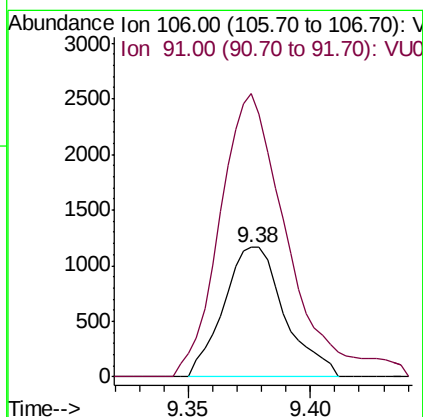
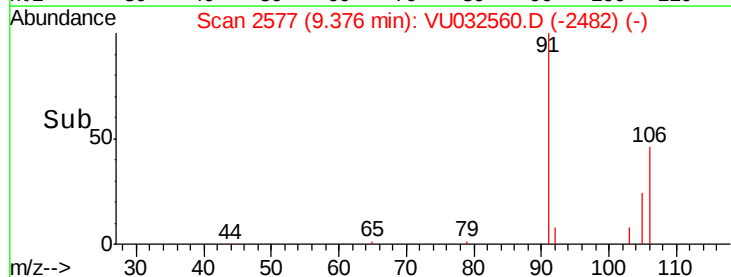
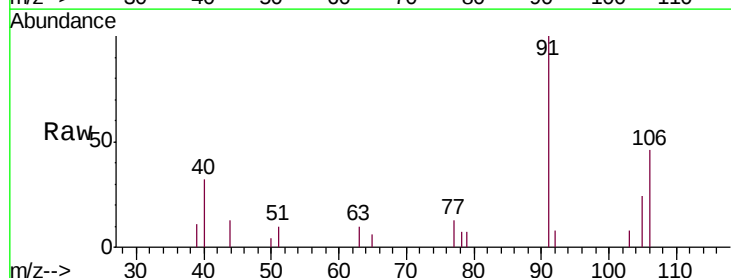
Instrument :
MSVOA_U
ClientSampleId :
DB8C9

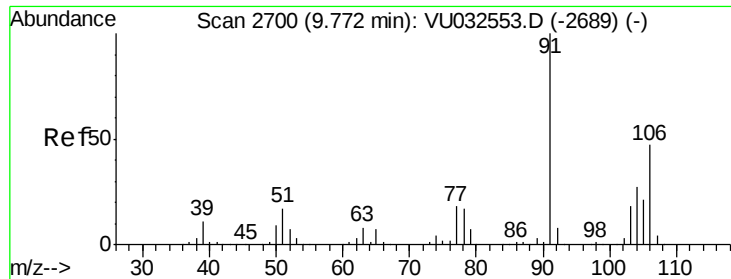
Tgt Ion: 43 Resp: 4514
Ion Ratio Lower Upper
43 100
58 46.3 42.0 63.0
57 12.3 14.6 22.0#
100 4.7 9.2 13.8#



#53
m,p-Xylene
Concen: 0.928 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.01 min
Lab File: VU032560.D
Acq: 10 Jun 2019 12:57

Tgt Ion: 106 Resp: 2022
Ion Ratio Lower Upper
106 100
91 218.6 141.7 263.1

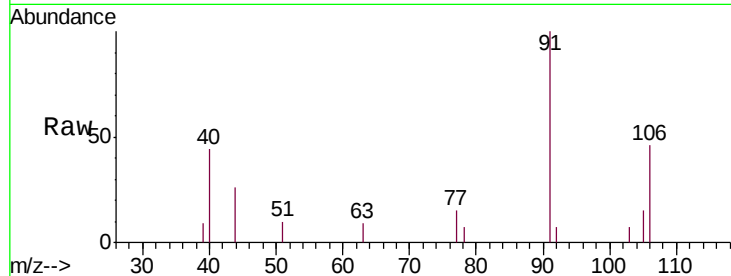




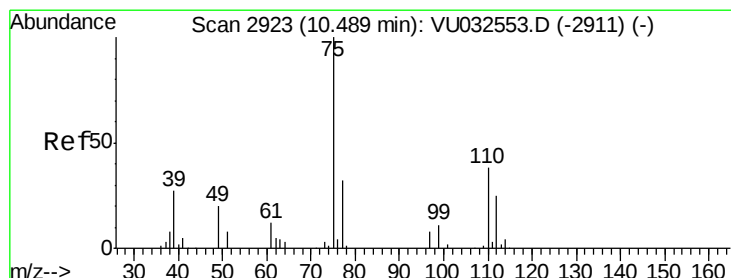
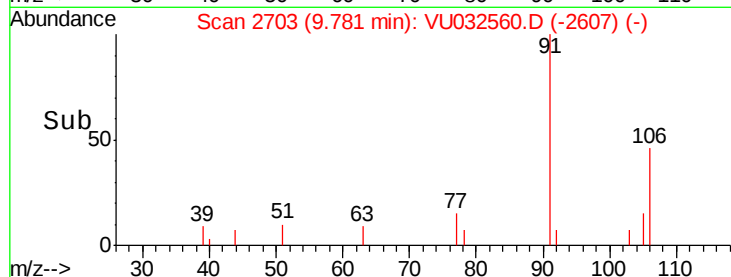
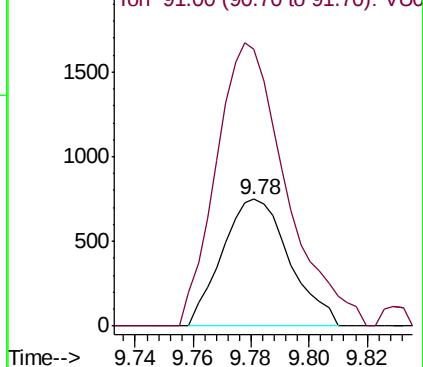
#54
o-xylene
Concen: 0.559 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU032560.D
Acq: 10 Jun 2019 12:57

Instrument :
MSVOA_U
ClientSampleId :
DB8C9

Tgt Ion: 106 Resp: 1208
Ion Ratio Lower Upper
106 100
91 217.9 150.1 278.7

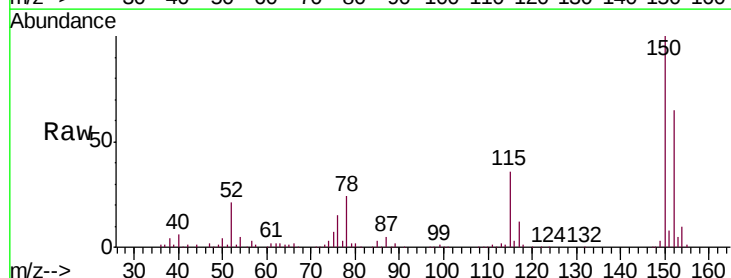


Abundance Ion 106.00 (105.70 to 106.70): VU032553.D (-2689) (-)
Ion 91.00 (90.70 to 91.70): VU032553.D (-2689) (-)

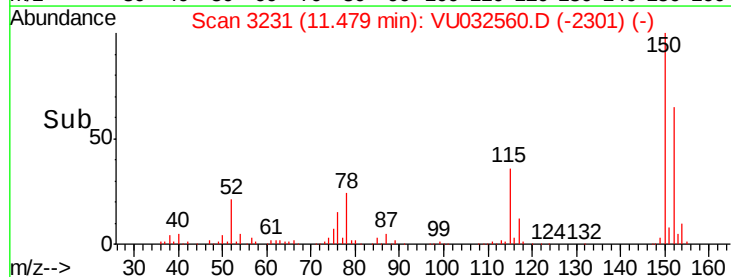
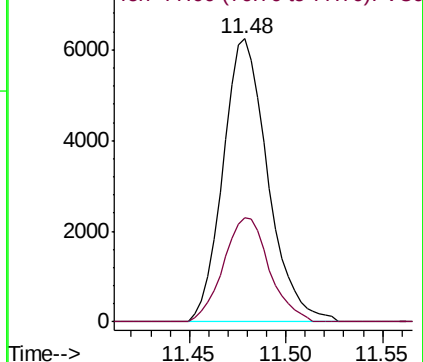


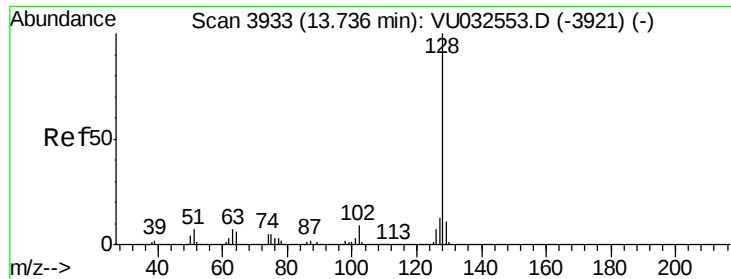
#59
1,2,3-Trichloropropane
Concen: 6.215 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032560.D
Acq: 10 Jun 2019 12:57

Tgt Ion: 75 Resp: 10050
Ion Ratio Lower Upper
75 100
77 37.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU032553.D (-2911) (-)
Ion 77.00 (76.70 to 77.70): VU032553.D (-2911) (-)





#69

Naphthalene

Concen: 2.124 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.02 min

Lab File: VU032560.D

Acq: 10 Jun 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

DB8C9

Tgt Ion:128 Resp: 11706

Ion Ratio Lower Upper

128 100

127 9.2 10.4 15.6#

129 6.0 8.5 12.7#

