

Data File : VU032581.D
Acq On : 10 Jun 2019 21:33
Operator : JC/SP
Sample : K3277-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8C2

Quant Time: Jun 11 05:43:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 05:38:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	189136	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	175924	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90162	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59999	48.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.78%
7) Chloroethane-d5	1.68	69	48323	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.27	63	87810	36.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.10%
21) 2-Butanone-d5	4.17	46	116659	113.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.60%
24) Chloroform-d	4.64	84	109948	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
26) 1,2-Dichloroethane-d4	5.31	65	73492	50.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.96%
32) Benzene-d6	5.33	84	228921	50.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.24%
36) 1,2-Dichloropropane-d6	6.32	67	72561	50.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.34%
41) Toluene-d8	7.56	98	213967	49.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.82%
43) trans-1,3-Dichloropropene-	7.85	79	33310	48.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.20%
47) 2-Hexanone-d5	8.31	63	73915	106.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	101439	48.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.76%
64) 1,2-Dichlorobenzene-d4	11.85	152	86820	50.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.54%

Target Compounds

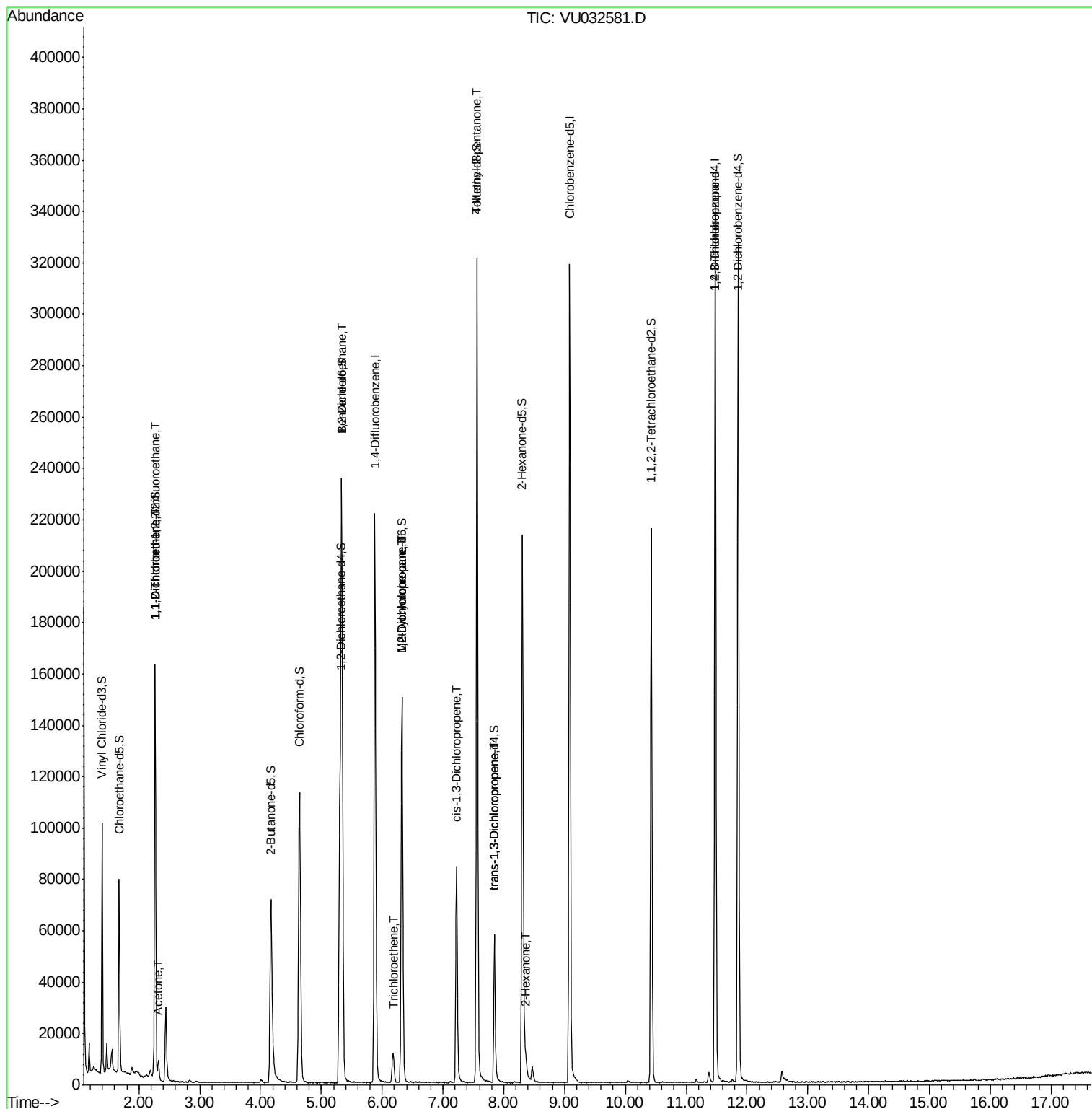
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	758	0.656 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	669	0.596 ug/L #	1
13) Acetone	2.32	43	7695	7.262 ug/L	100
27) 1,2-Dichloroethane	5.33	62	1175	0.650 ug/L #	75
34) Trichloroethene	6.19	95	2650	1.971 ug/L	92
35) Methylcyclohexane	6.32	83	16087	7.389 ug/L #	19
37) 1,2-Dichloropropane	6.32	63	8110	6.189 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2252	1.089 ug/L #	69
40) 4-Methyl-2-pentanone	7.56	43	1174	0.557 ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1591	0.867 ug/L	92
48) 2-Hexanone	8.37	43	4730	2.732 ug/L #	44
59) 1,2,3-Trichloropropane	11.48	75	11018	6.468 ug/L	94

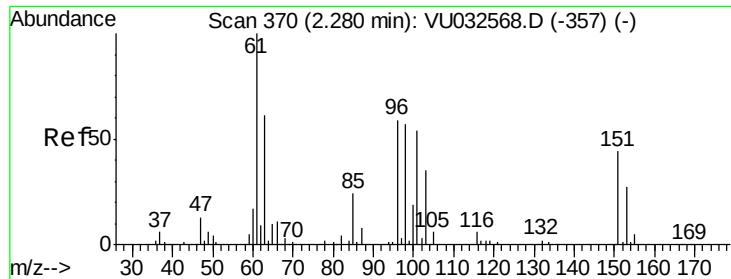
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.656 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032581.D

Acq: 10 Jun 2019 21:33

Instrument :

MSVOA_U

ClientSampleId :

DB8C2

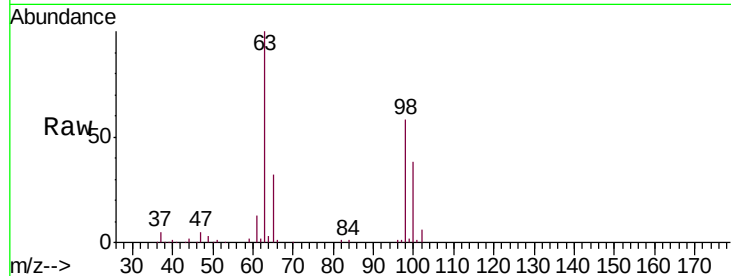
Tgt Ion: 101 Resp: 758

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 63.0 94.4#



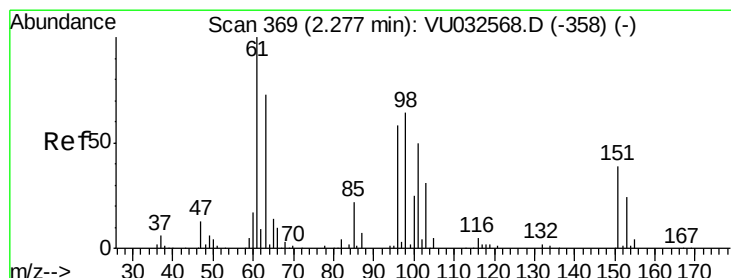
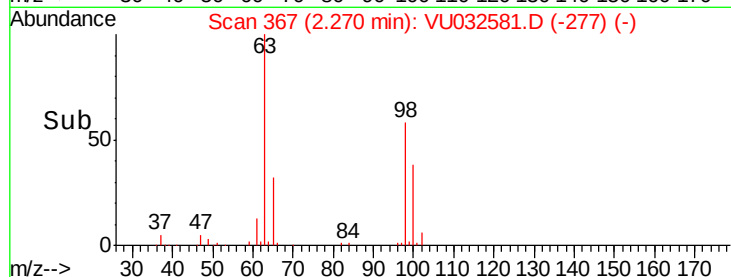
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.27

Time-->



#12

1,1-Dichloroethene

Concen: 0.596 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032581.D

Acq: 10 Jun 2019 21:33

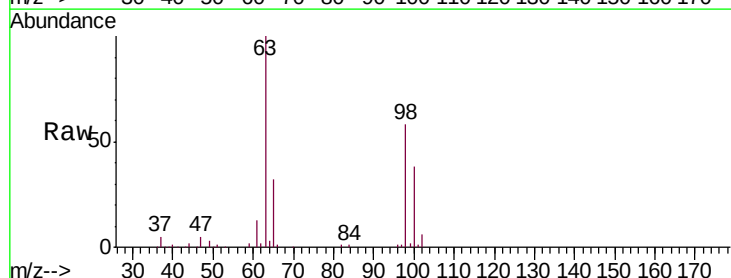
Tgt Ion: 96 Resp: 669

Ion Ratio Lower Upper

96 100

61 1308.3 129.5 240.5#

63 10368.9 103.4 192.0#



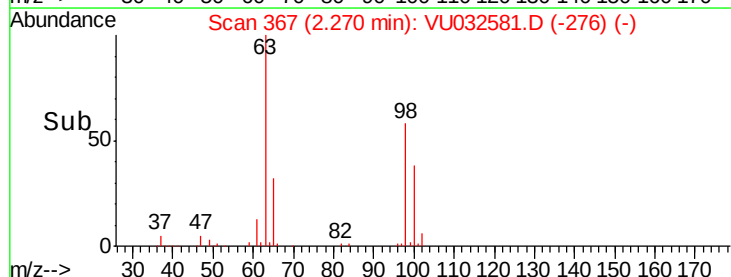
Abundance Ion 96.00 (95.70 to 96.70): VU0

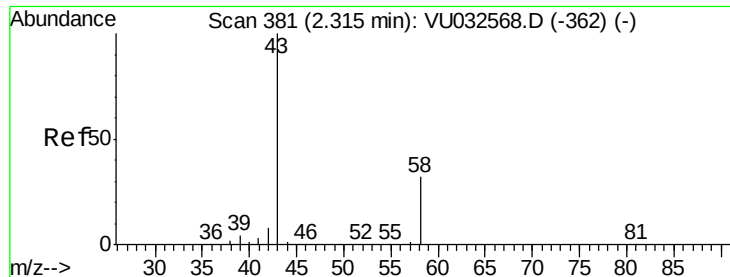
Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

2.27

Time-->





#13

Acetone

Concen: 7.262 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032581.D

Acq: 10 Jun 2019 21:33

Instrument :

MSVOA_U

ClientSampleID :

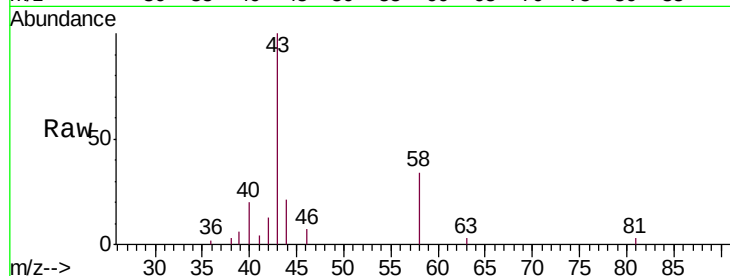
DB8C2

Tgt Ion: 43 Resp: 7695

Ion Ratio Lower Upper

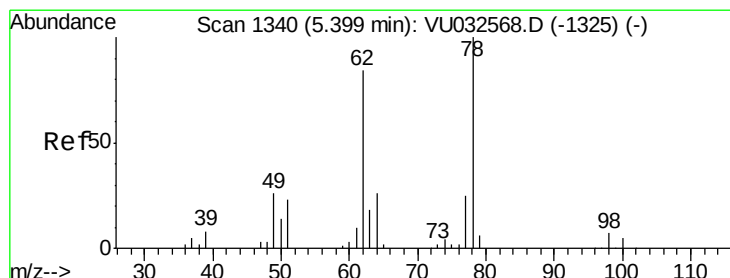
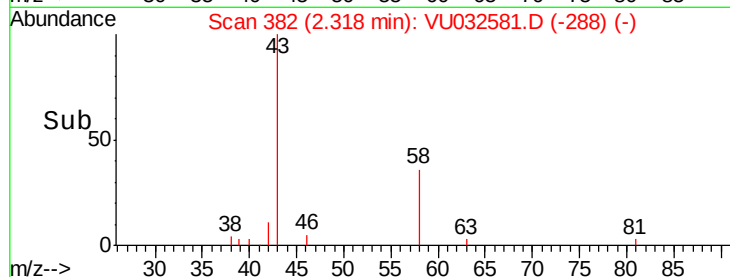
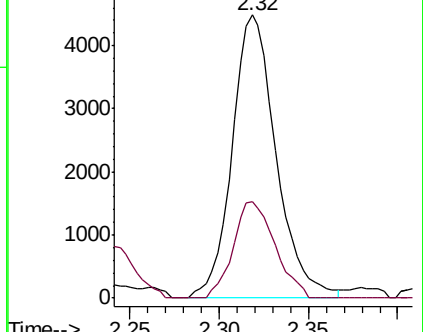
43 100

58 32.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032568.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU032568.D (-362) (-)



#27

1,2-Dichloroethane

Concen: 0.650 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032581.D

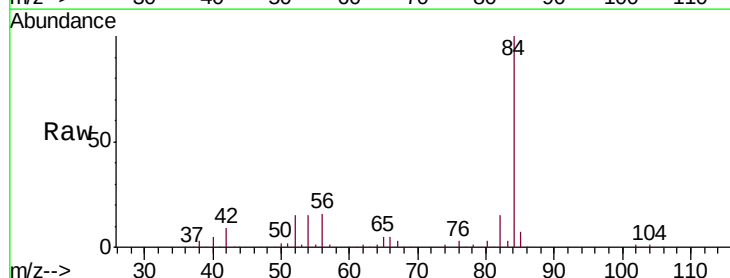
Acq: 10 Jun 2019 21:33

Tgt Ion: 62 Resp: 1175

Ion Ratio Lower Upper

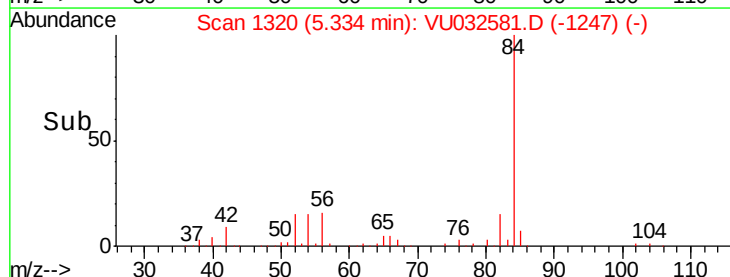
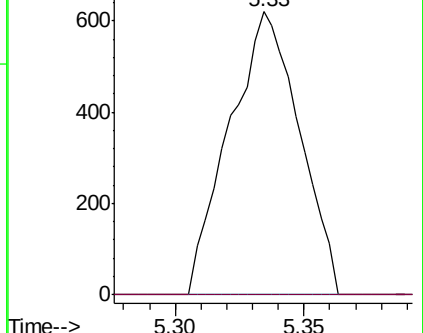
62 100

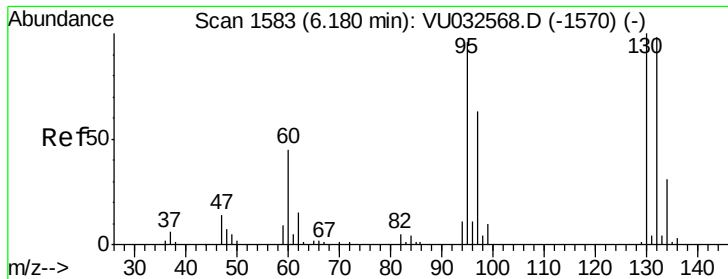
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032568.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032568.D (-1325) (-)





#34

Trichloroethene

Concen: 1.971 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU032581.D

Acq: 10 Jun 2019 21:33

Instrument :

MSVOA_U

ClientSampleId :

DB8C2

Tgt Ion: 95 Resp: 2650

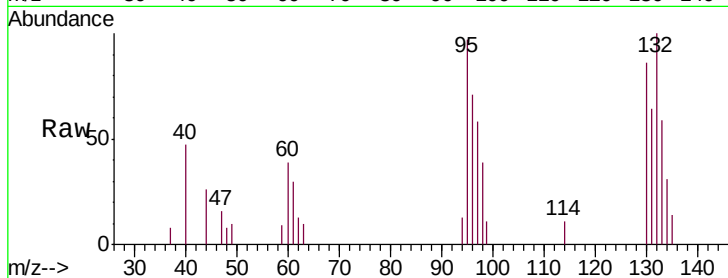
Ion Ratio Lower Upper

95 100

97 59.8 45.8 85.2

132 103.1 71.0 131.8

130 88.5 73.4 136.2

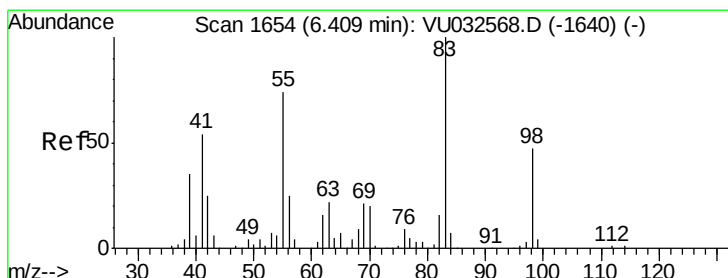
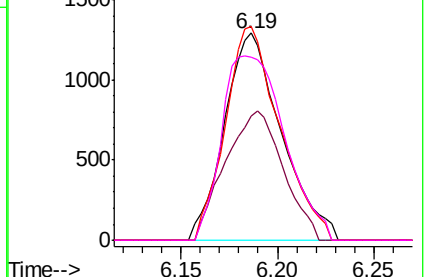
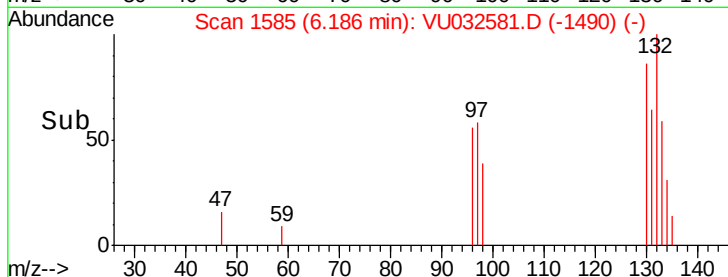


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 7.389 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032581.D

Acq: 10 Jun 2019 21:33

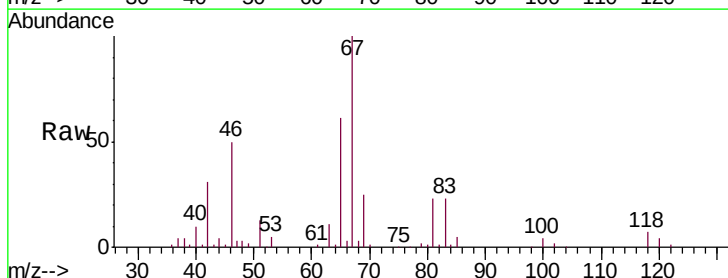
Tgt Ion: 83 Resp: 16087

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.4#

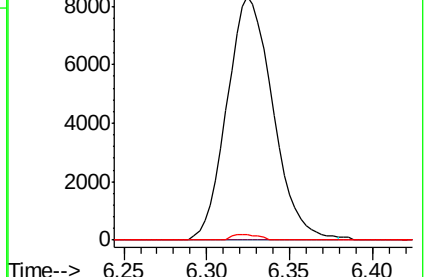
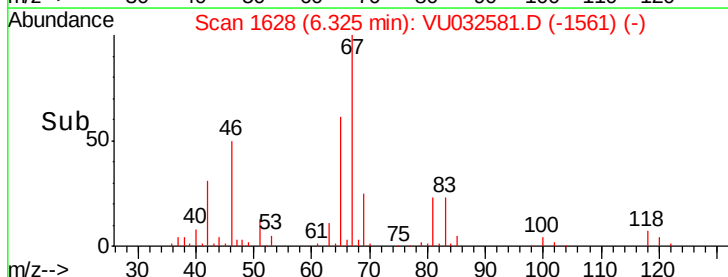
98 1.3 37.4 56.2#

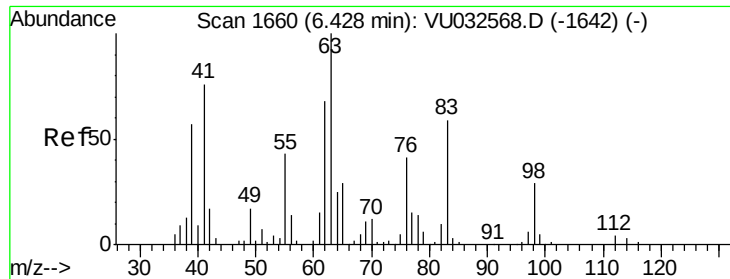


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

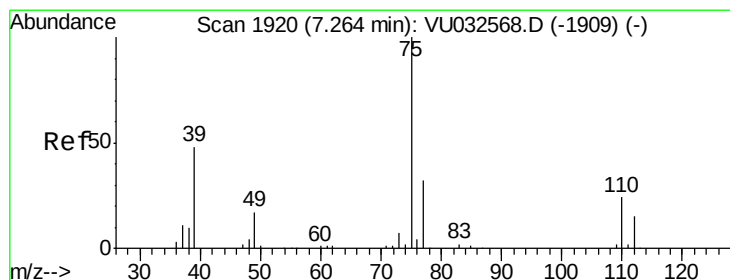
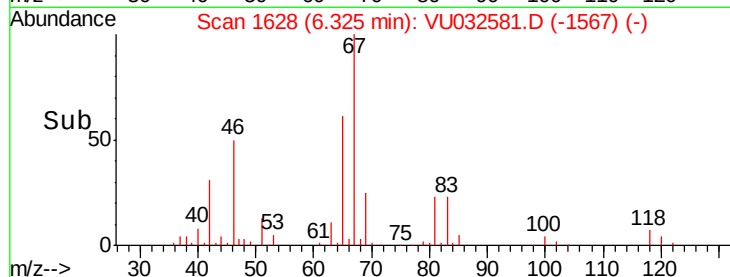
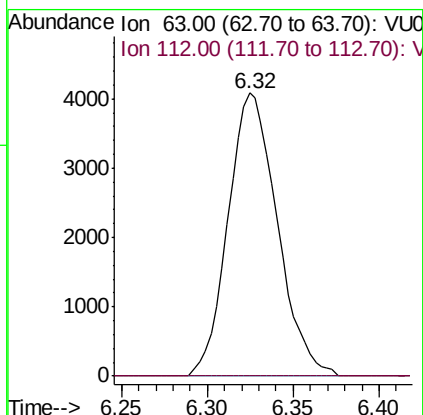
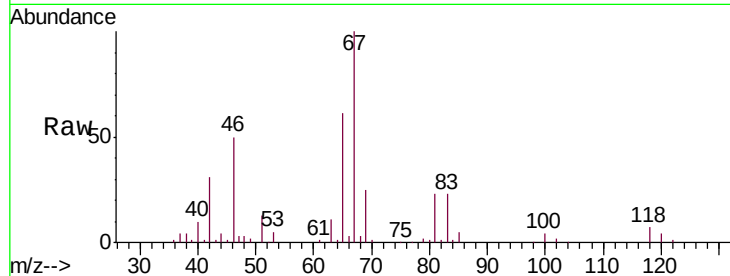




#37
 1,2-Dichloropropane
 Concen: 6.189 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032581.D
 Acq: 10 Jun 2019 21:33

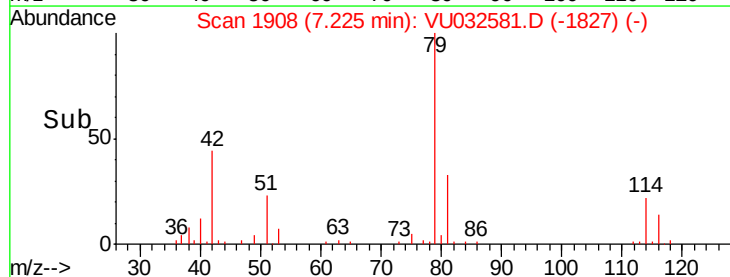
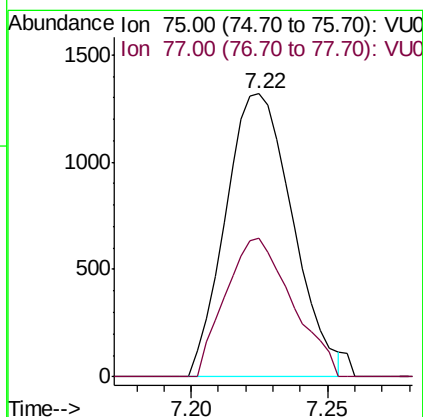
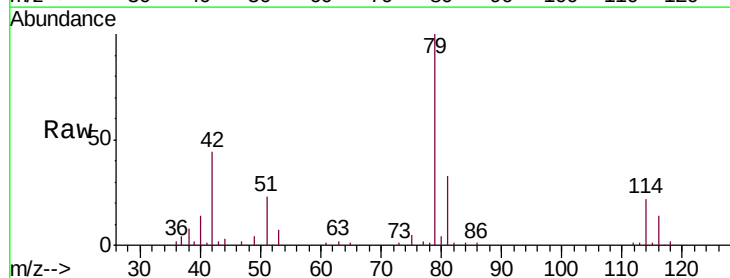
Instrument :
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 DB8C2

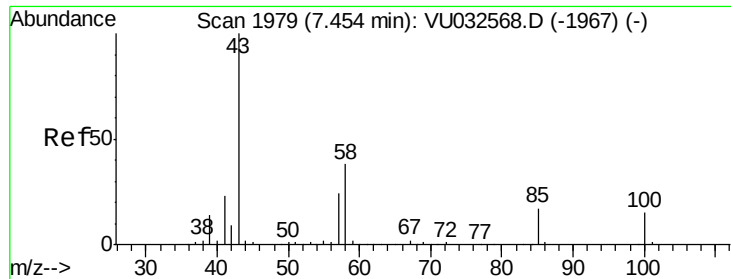
Tgt Ion: 63 Resp: 8110
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.089 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032581.D
 Acq: 10 Jun 2019 21:33

Tgt Ion: 75 Resp: 2252
 Ion Ratio Lower Upper
 75 100
 77 48.9 22.0 41.0#

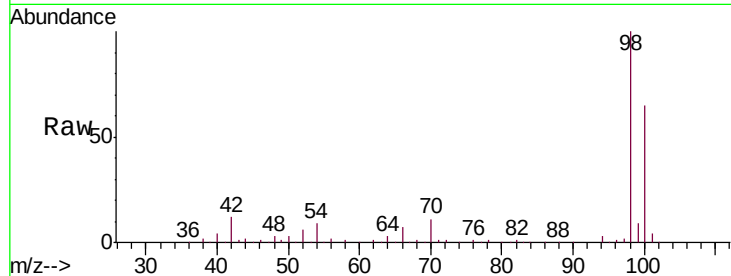




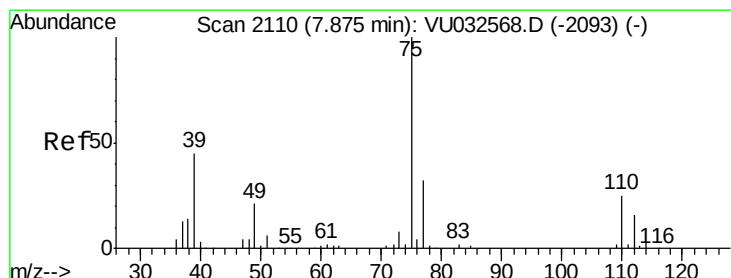
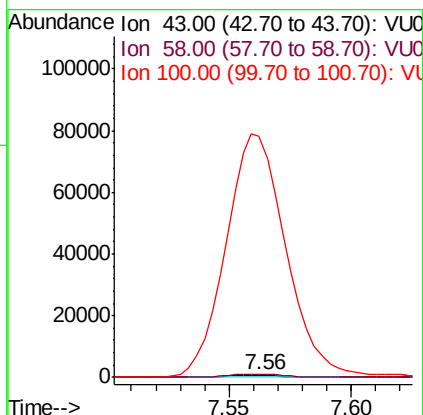
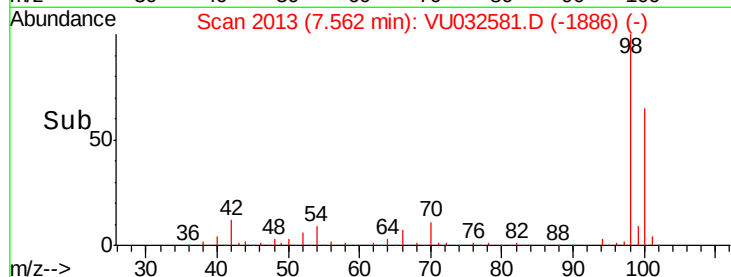
#40
 4-Methyl-2-pentanone
 Concen: 0.557 ug/L
 RT: 7.56 min Scan# 2013
 Delta R.T. 0.11 min
 Lab File: VU032581.D
 Acq: 10 Jun 2019 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8C2

Tgt Ion: 43 Resp: 1174
 Ion Ratio Lower Upper
 43 100
 58 153.2 30.8 46.2#
 100 11584.9 12.1 18.1#

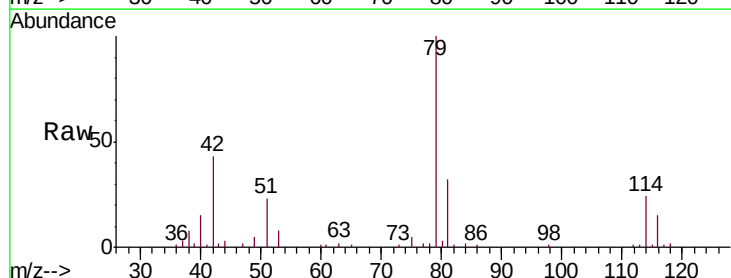


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

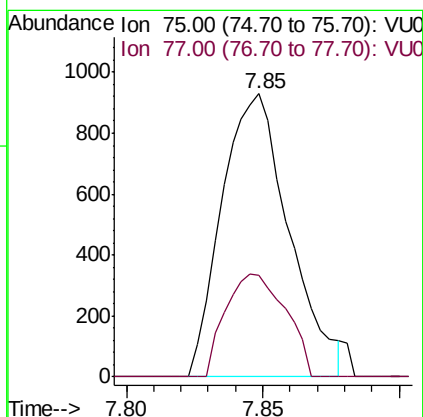
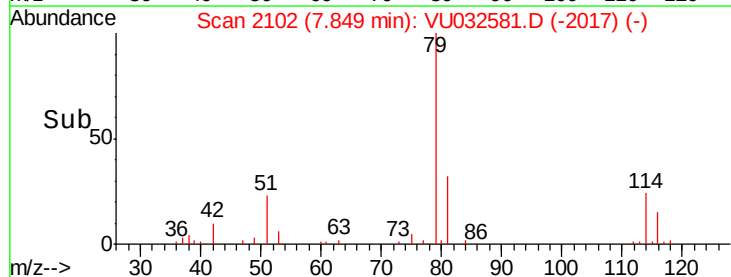


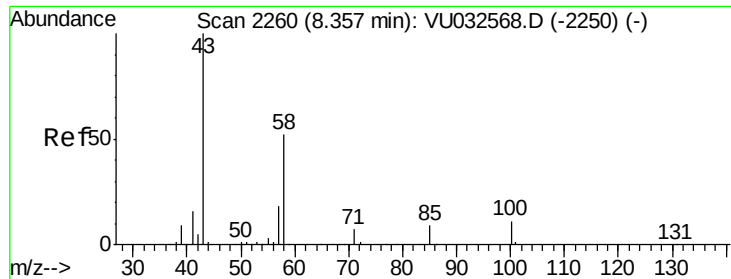
#44
 trans-1,3-Dichloropropene
 Concen: 0.867 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU032581.D
 Acq: 10 Jun 2019 21:33

Tgt Ion: 75 Resp: 1591
 Ion Ratio Lower Upper
 75 100
 77 35.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

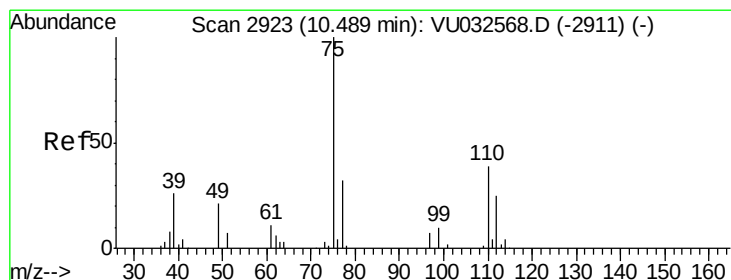
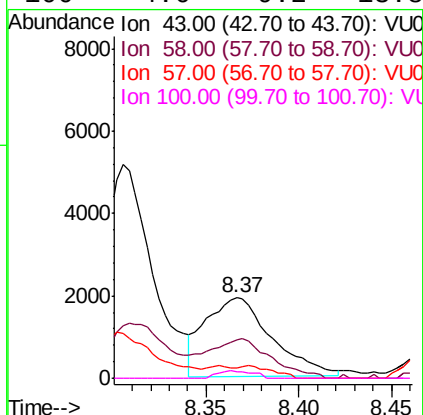
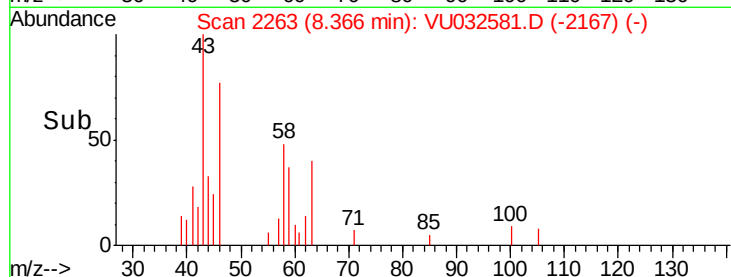
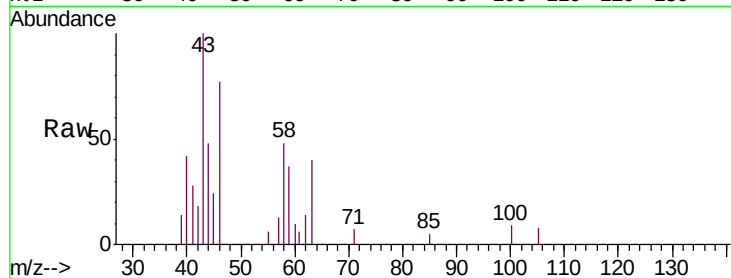




#48
 2-Hexanone
 Concen: 2.732 ug/L
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU032581.D
 Acq: 10 Jun 2019 21:33

Instrument :
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Tgt Ion:	43	Resp:	4730
Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.0	63.0#
57	6.6	14.6	22.0#
100	4.6	9.2	13.8#



#59
 1,2,3-Trichloropropane
 Concen: 6.468 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032581.D
 Acq: 10 Jun 2019 21:33

Tgt Ion:	75	Resp:	11018
Ion	Ratio	Lower	Upper
75	100		
77	35.5	25.6	38.4

