

Data File : VU032587.D
Acq On : 10 Jun 2019 23:51
Operator : JC/SP
Sample : K3277-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8C8

Quant Time: Jun 11 05:44:32 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	188429	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	172732	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88084	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58936	48.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.42%
7) Chloroethane-d5	1.68	69	48226	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.18%
11) 1,1-Dichloroethene-d2	2.27	63	90101	37.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.28%
21) 2-Butanone-d5	4.17	46	101469	99.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.18%
24) Chloroform-d	4.64	84	112890	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.02%
26) 1,2-Dichloroethane-d4	5.30	65	74786	52.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.14%
32) Benzene-d6	5.33	84	232760	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.82%
36) 1,2-Dichloropropane-d6	6.32	67	72808	51.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.56%
41) Toluene-d8	7.56	98	213697	50.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.52%
43) trans-1,3-Dichloropropene-	7.85	79	32939	48.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.90%
47) 2-Hexanone-d5	8.31	63	63474	93.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	102991	50.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	87299	51.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.48%

Target Compounds

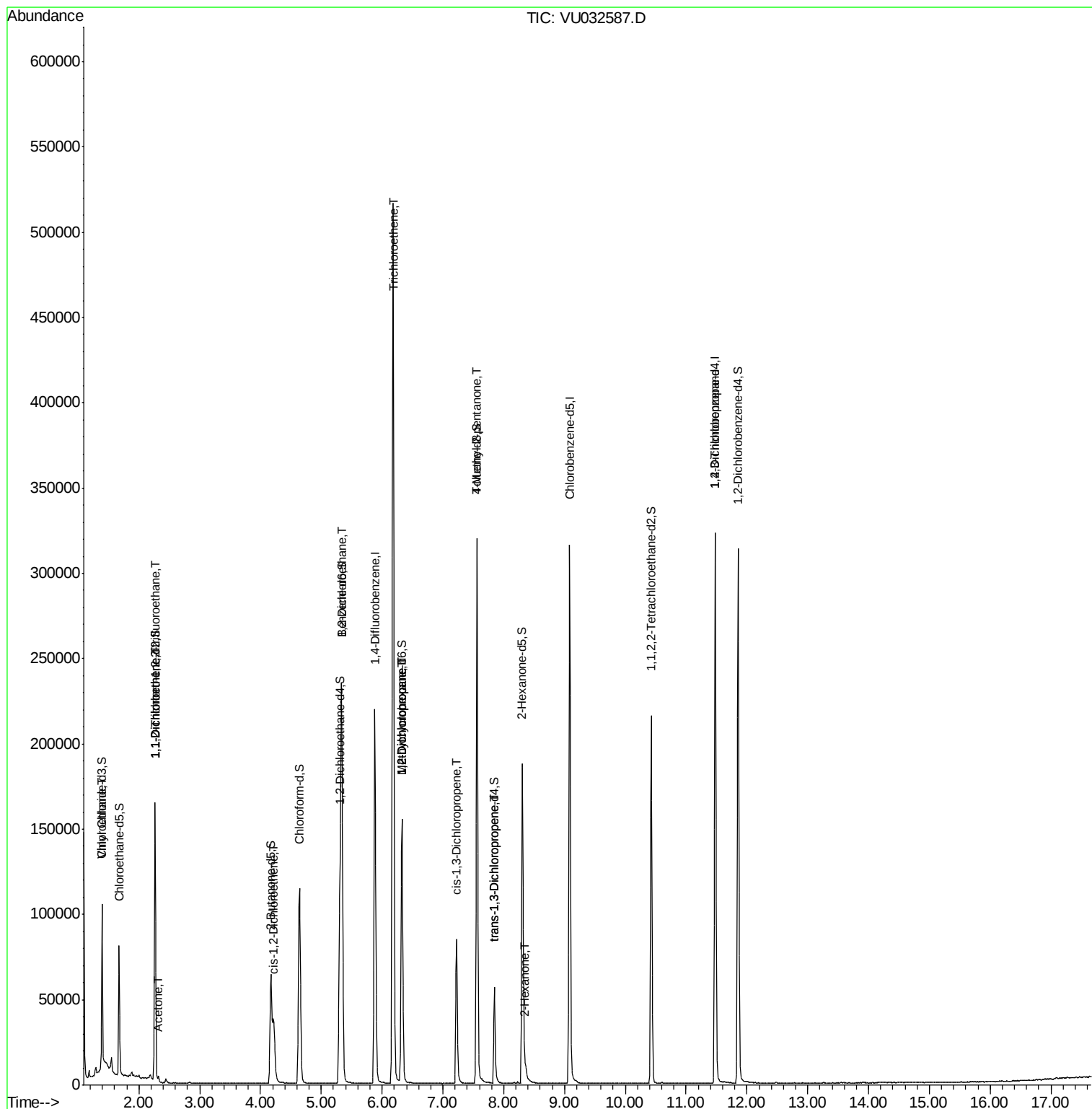
						Qvalue
8) Chloroethane	1.40	64	10527	10.801	ug/L	84
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	837	0.727	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	823	0.736	ug/L #	1
13) Acetone	2.32	43	2698	2.556	ug/L	87
20) cis-1,2-Dichloroethene	4.22	96	17664	12.882	ug/L	94
27) 1,2-Dichloroethane	5.33	62	1350	0.749	ug/L #	75
34) Trichloroethene	6.18	95	171644	129.996	ug/L	99
35) Methylcyclohexane	6.32	83	16847	7.881	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	8180	6.358	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2249	1.108	ug/L #	72
40) 4-Methyl-2-pentanone	7.56	43	1091	0.527	ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1439	0.799	ug/L	92
48) 2-Hexanone	8.36	43	3443	2.025	ug/L #	90
59) 1,2,3-Trichloropropane	11.48	75	10361	6.195	ug/L	93

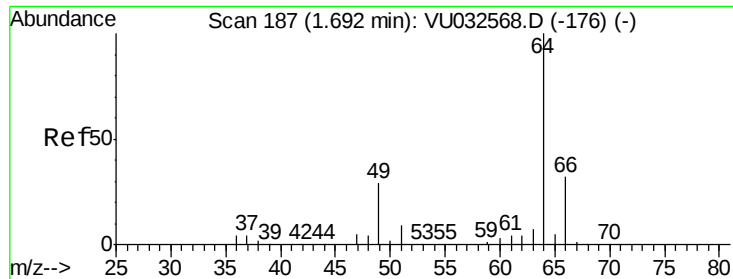
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 10.801 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.29 min

Lab File: VU032587.D

Acq: 10 Jun 2019 23:51

Instrument :

MSVOA_U

ClientSampleId :

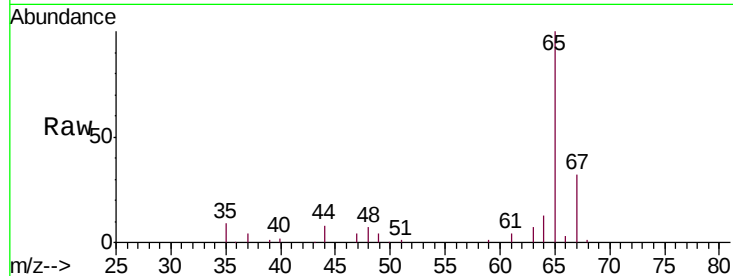
DB8C8

Tgt Ion: 64 Resp: 10527

Ion Ratio Lower Upper

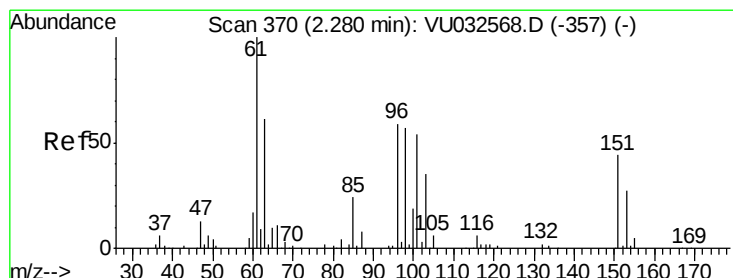
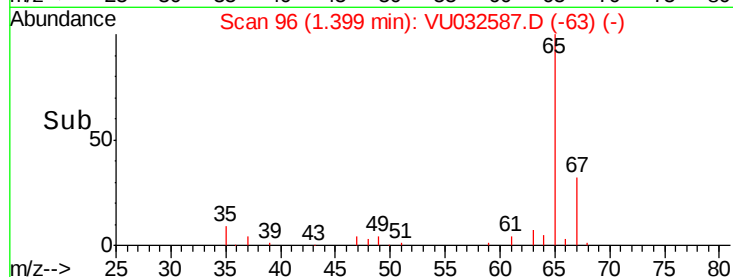
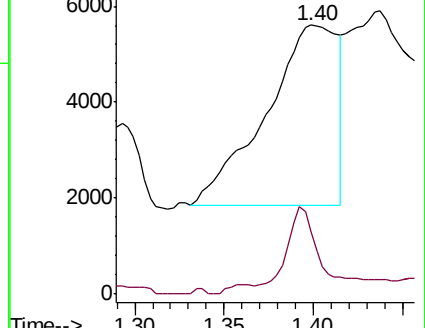
64 100

66 23.4 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU032568.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU032568.D (-176) (-)



#10

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

Concen: 0.727 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032587.D

Acq: 10 Jun 2019 23:51

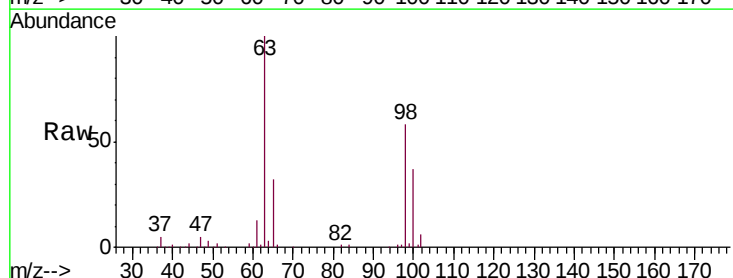
Tgt Ion: 101 Resp: 837

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

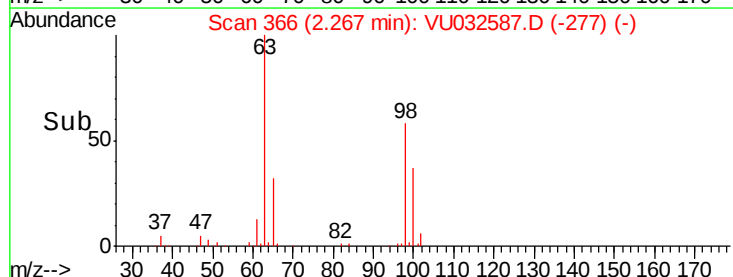
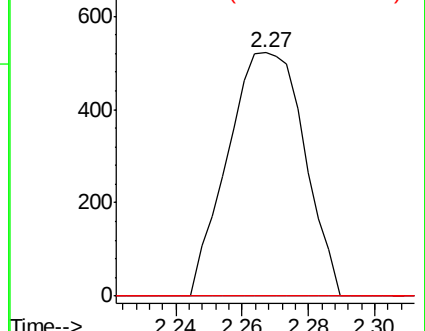
151 0.0 63.0 94.4#

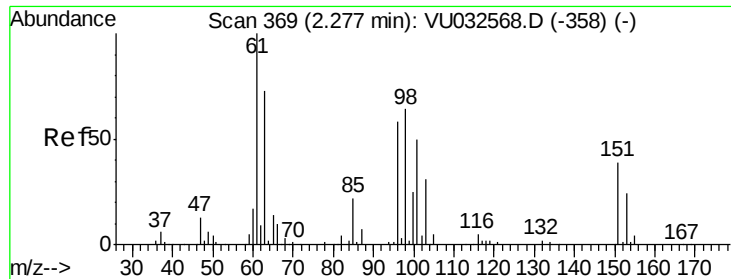


Abundance Ion 101.00 (100.70 to 101.70): VU032568.D (-357) (-)

Ion 85.00 (84.70 to 85.70): VU032568.D (-357) (-)

Ion 151.00 (150.70 to 151.70): VU032568.D (-357) (-)

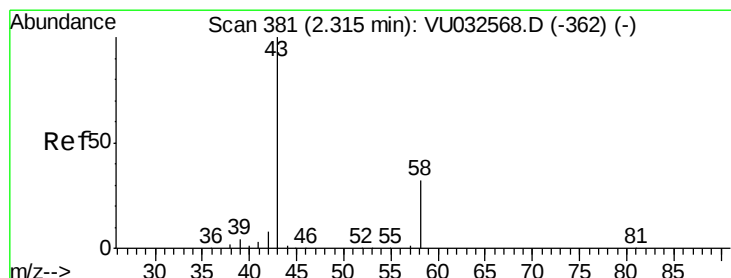
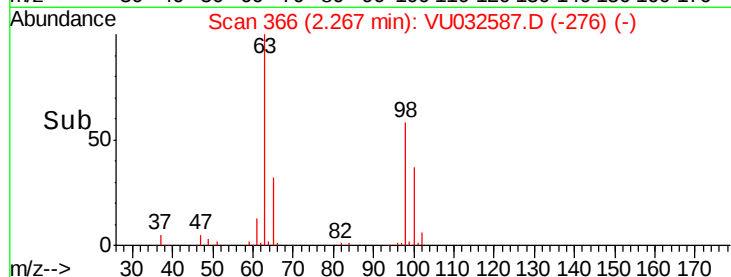
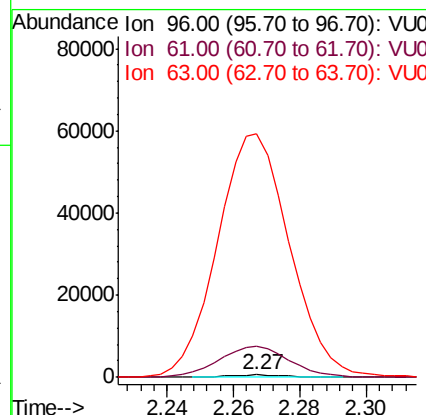
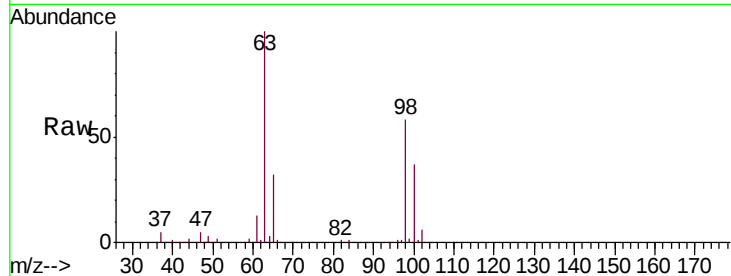




#12
 1,1-Dichloroethene
 Concen: 0.736 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VU032587.D
 Acq: 10 Jun 2019 23:51

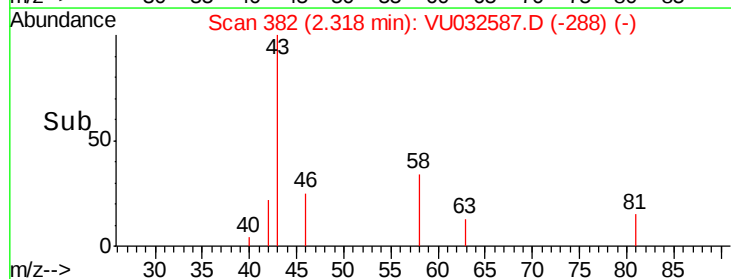
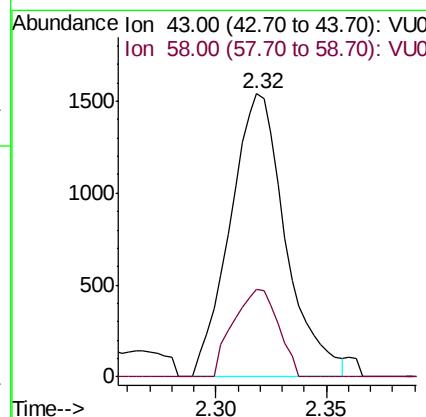
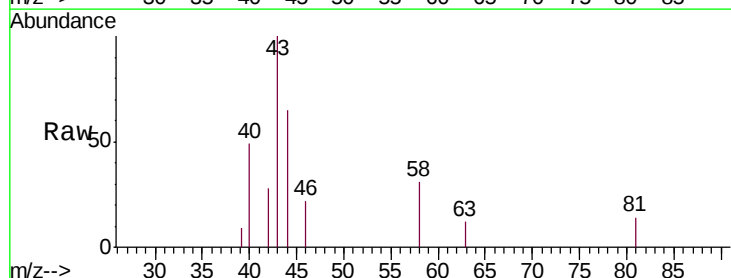
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8C8

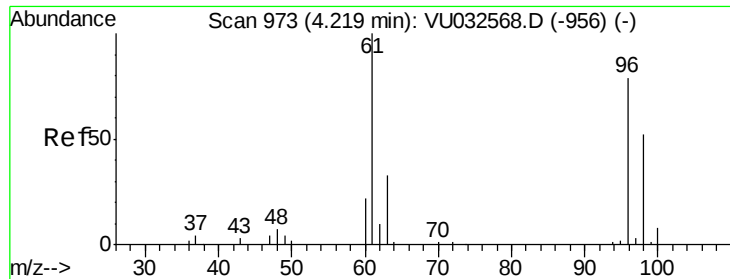
Tgt Ion: 96 Resp: 823
 Ion Ratio Lower Upper
 96 100
 61 1279.4 129.5 240.5#
 63 10078.9 103.4 192.0#



#13
 Acetone
 Concen: 2.556 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU032587.D
 Acq: 10 Jun 2019 23:51

Tgt Ion: 43 Resp: 2698
 Ion Ratio Lower Upper
 43 100
 58 24.9 0.0 64.0

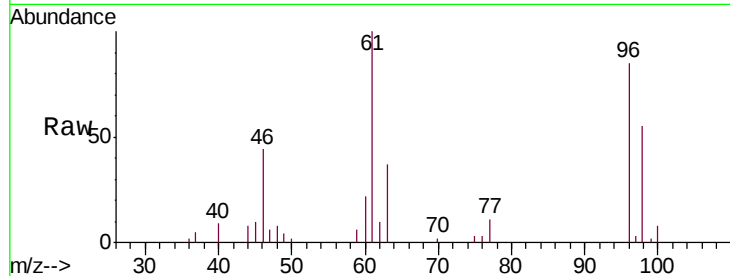




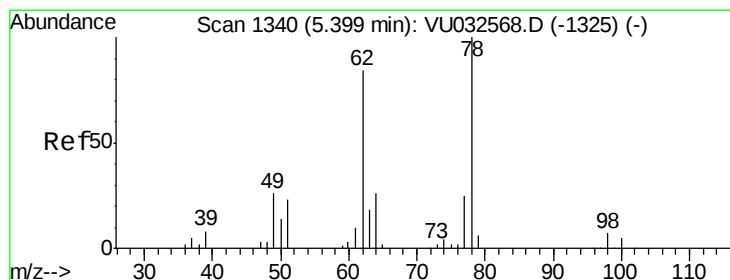
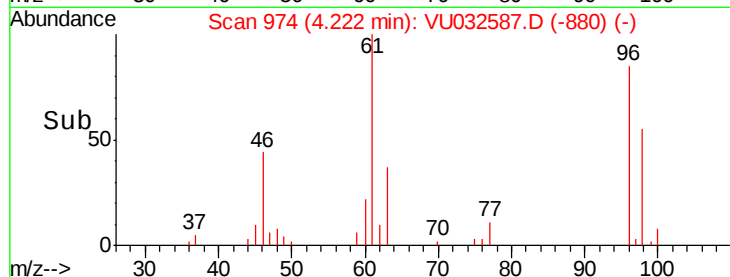
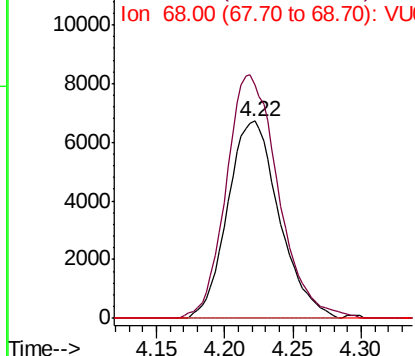
#20
 cis-1,2-Dichloroethene
 Concen: 12.882 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU032587.D
 Acq: 10 Jun 2019 23:51

Instrument :
 MSVOA_U
 ClientSampled :
 DB8C8

Tgt Ion: 96 Resp: 17664
 Ion Ratio Lower Upper
 96 100
 61 118.3 87.2 162.0
 68 0.0 0.0 0.0

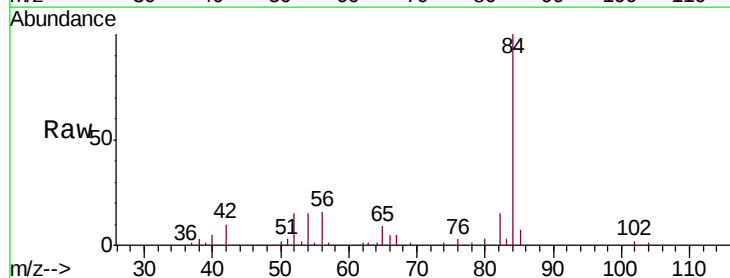


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

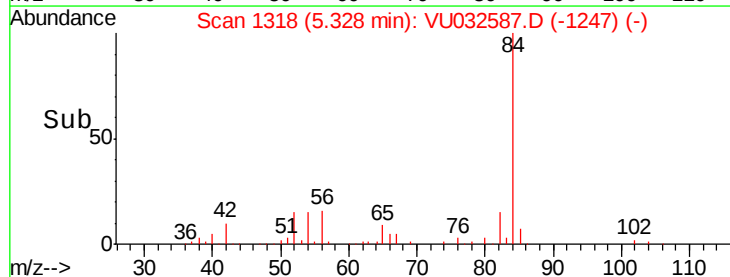
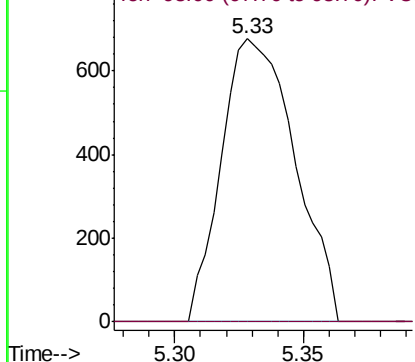


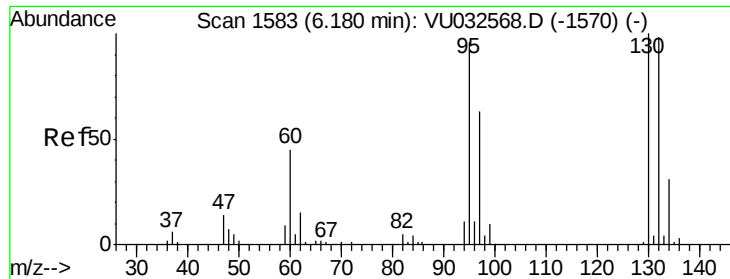
#27
 1,2-Dichloroethane
 Concen: 0.749 ug/L
 RT: 5.33 min Scan# 1318
 Delta R.T. -0.07 min
 Lab File: VU032587.D
 Acq: 10 Jun 2019 23:51

Tgt Ion: 62 Resp: 1350
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#34

Trichloroethene

Concen: 129.996 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032587.D

Acq: 10 Jun 2019 23:51

Instrument :

MSVOA_U

ClientSampleId :

DB8C8

Tgt Ion: 95 Resp: 171644

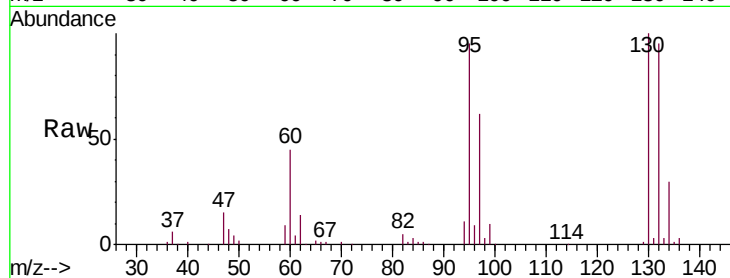
Ion Ratio Lower Upper

95 100

97 65.2 45.8 85.2

132 100.0 71.0 131.8

130 105.1 73.4 136.2



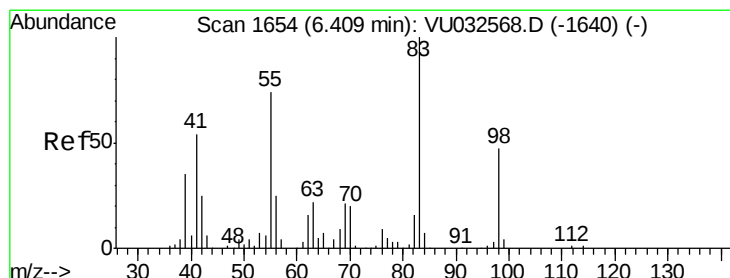
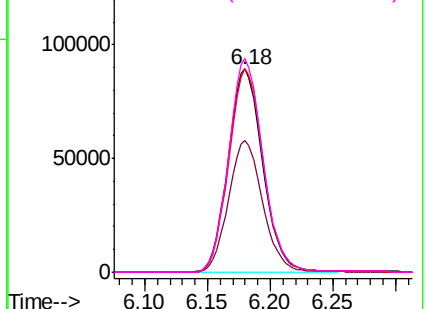
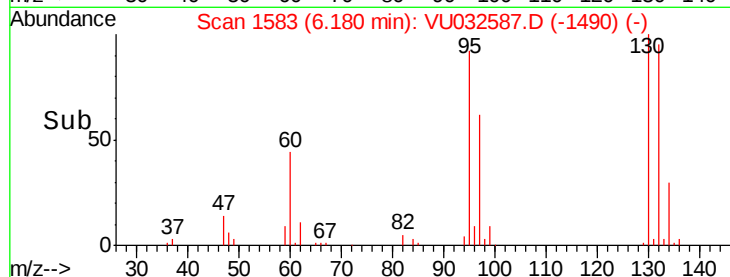
Abundance

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



#35

Methylcyclohexane

Concen: 7.881 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032587.D

Acq: 10 Jun 2019 23:51

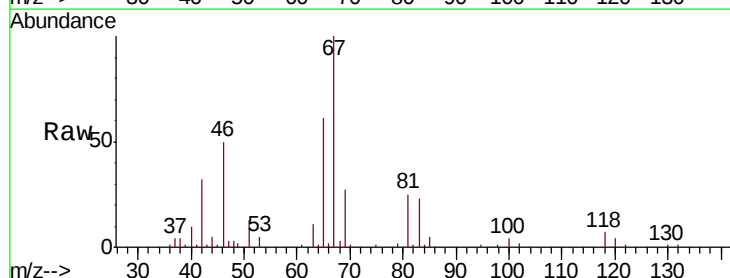
Tgt Ion: 83 Resp: 16847

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.4#

98 1.1 37.4 56.2#

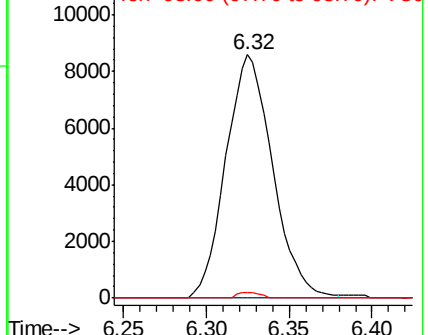
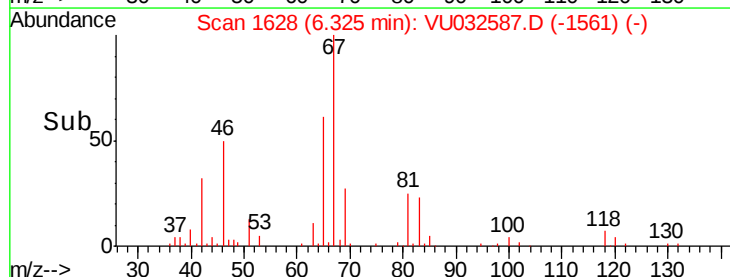


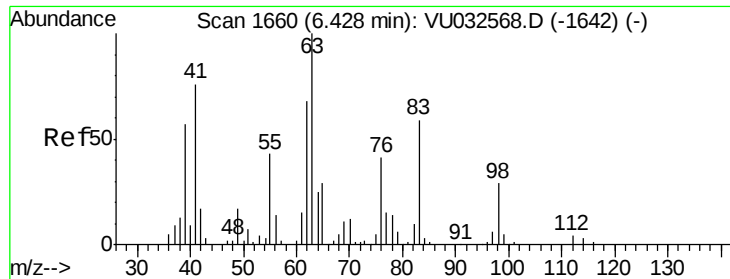
Abundance

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

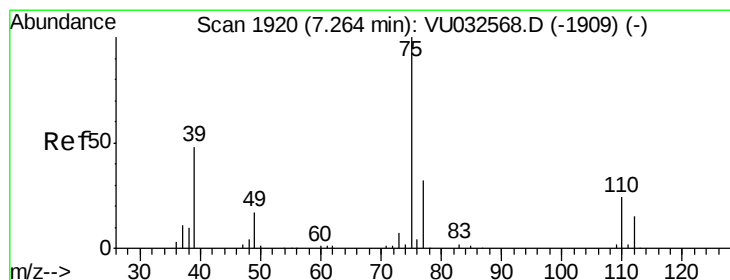
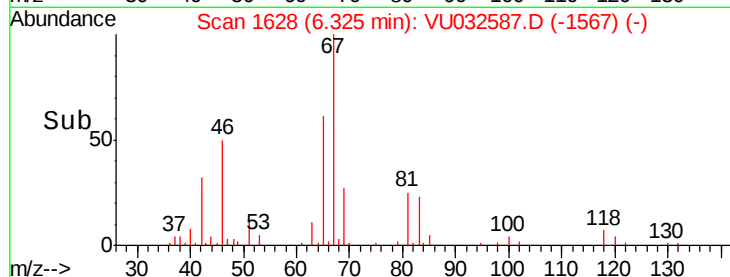
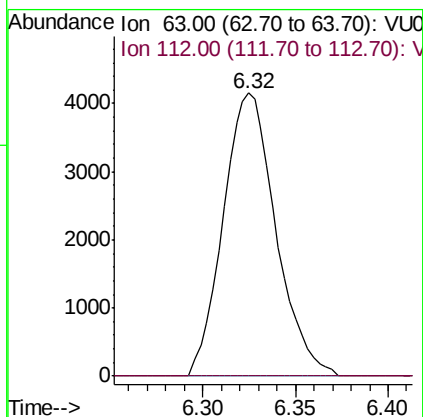
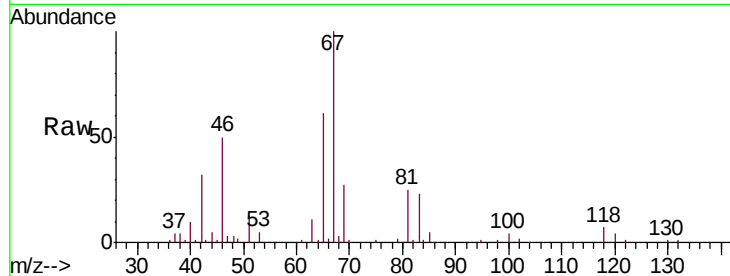




#37
 1,2-Dichloropropane
 Concen: 6.358 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032587.D
 Acq: 10 Jun 2019 23:51

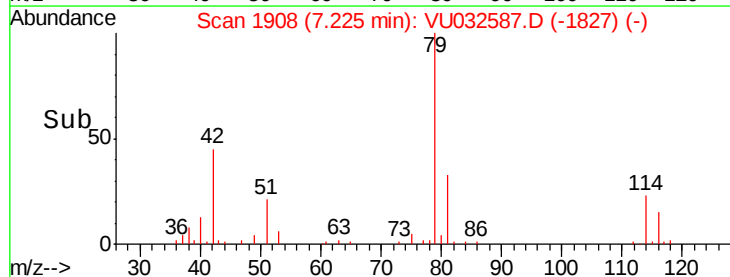
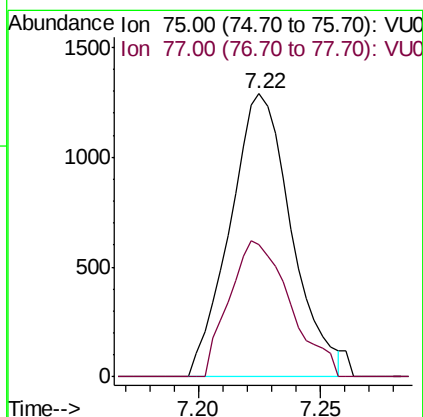
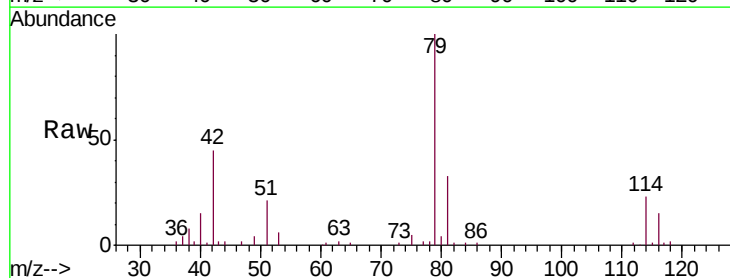
Instrument :
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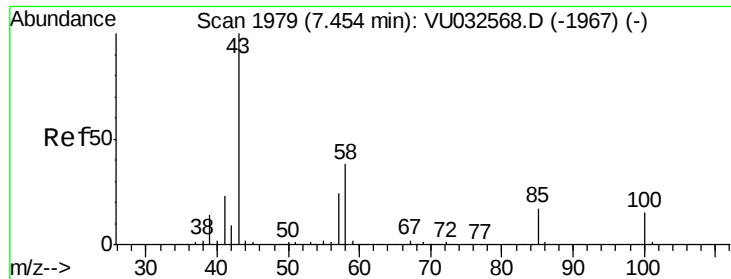
Tgt Ion: 63 Resp: 8180
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.108 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032587.D
 Acq: 10 Jun 2019 23:51

Tgt Ion: 75 Resp: 2249
 Ion Ratio Lower Upper
 75 100
 77 47.0 22.0 41.0#

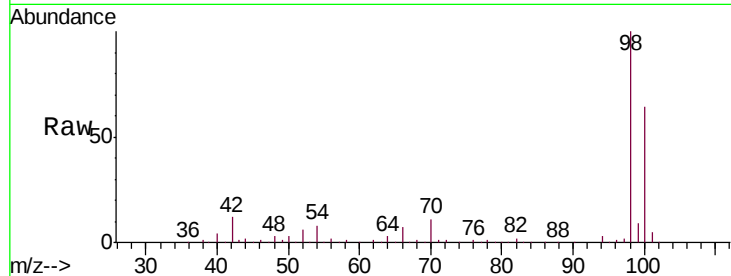




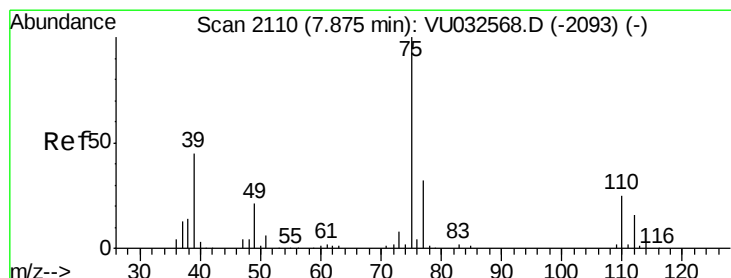
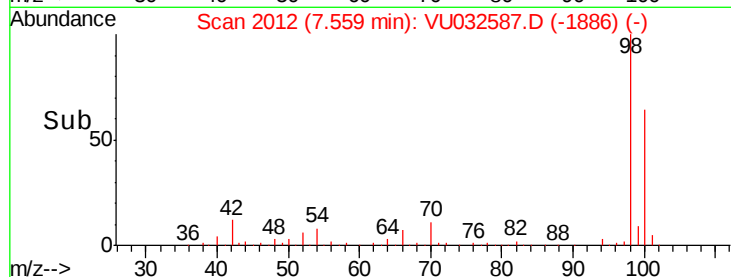
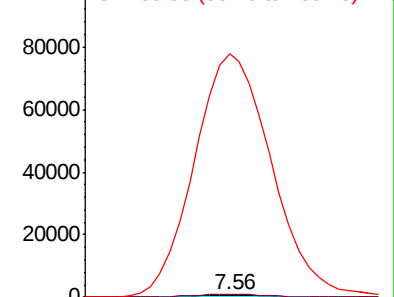
#40
4-Methyl-2-pentanone
Concen: 0.527 ug/L
RT: 7.56 min Scan# 2012
Delta R.T. 0.11 min
Lab File: VU032587.D
Acq: 10 Jun 2019 23:51

Instrument :
MSVOA_U
ClientSampled :
DB8C8

Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
58 149.3 30.8 46.2#
100 12666.4 12.1 18.1#

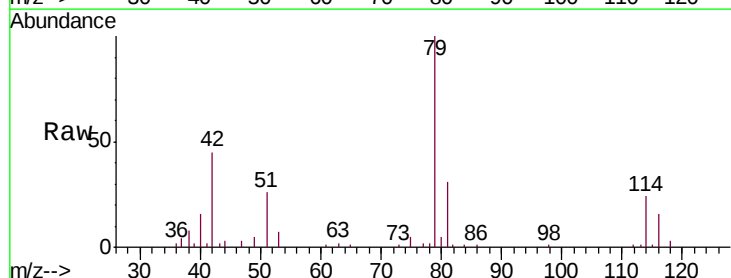


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

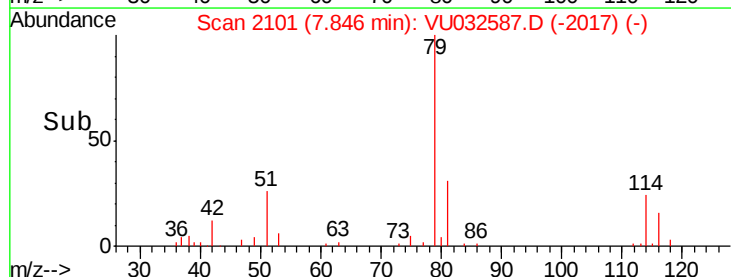
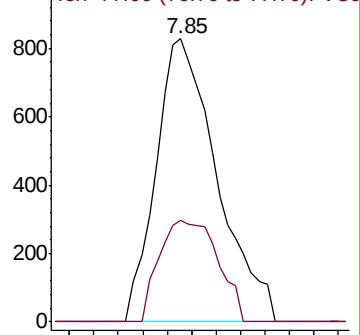


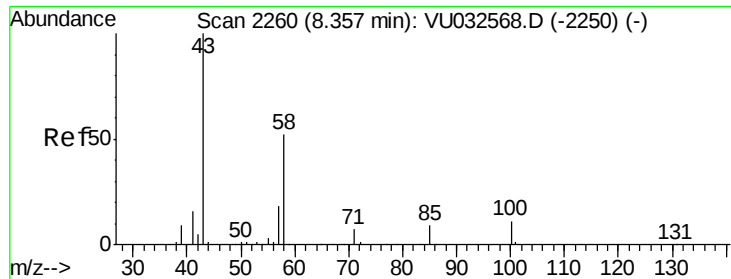
#44
trans-1,3-Dichloropropene
Concen: 0.799 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032587.D
Acq: 10 Jun 2019 23:51

Tgt Ion: 75 Resp: 1439
Ion Ratio Lower Upper
75 100
77 35.9 22.1 41.1



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

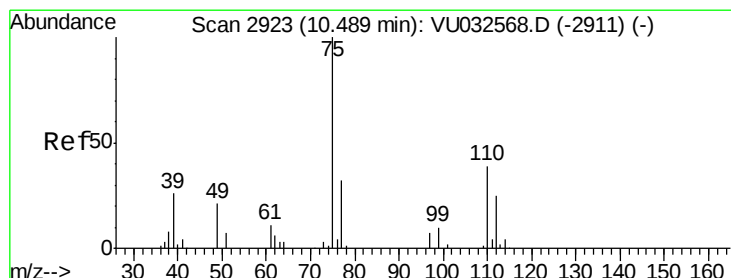
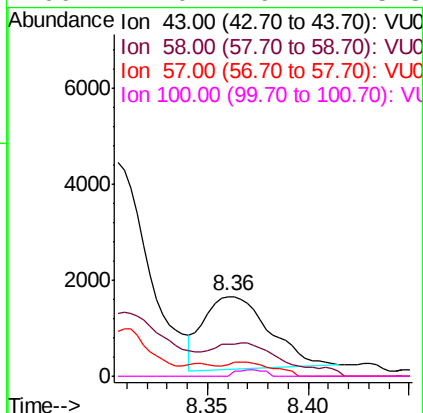
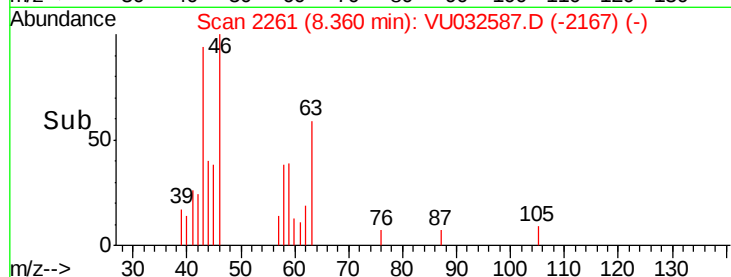
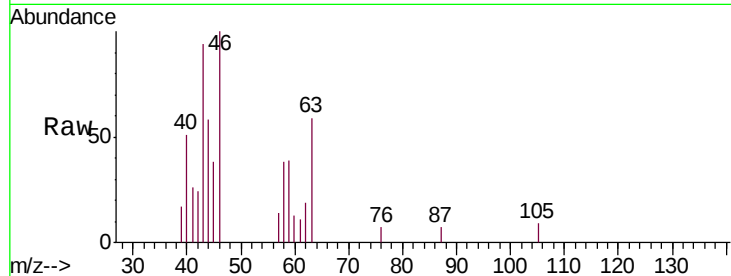




#48
2-Hexanone
Concen: 2.025 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032587.D
Acq: 10 Jun 2019 23:51

Instrument :
MSVOA_U
ClientSampleId :
DB8C8

Tgt Ion: 43 Resp: 3443
Ion Ratio Lower Upper
43 100
58 46.4 42.0 63.0
57 14.6 14.6 22.0#
100 4.0 9.2 13.8#



#59
1,2,3-Trichloropropane
Concen: 6.195 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032587.D
Acq: 10 Jun 2019 23:51

Tgt Ion: 75 Resp: 10361
Ion Ratio Lower Upper
75 100
77 35.8 25.6 38.4

