

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060819\
 Data File : VU032542.D
 Acq On : 08 Jun 2019 14:55
 Operator : JC/SP
 Sample : VU0608WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK53

Quant Time: Jun 08 23:15:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 23:12:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	220404	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	205680	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106800	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55702	38.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.90%
7) Chloroethane-d5	1.68	69	47353	41.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.42%
11) 1,1-Dichloroethene-d2	2.27	63	86846	31.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.04%
21) 2-Butanone-d5	4.17	46	115736	96.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.71%
24) Chloroform-d	4.64	84	117385	44.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.02%
26) 1,2-Dichloroethane-d4	5.30	65	78117	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.00%
32) Benzene-d6	5.33	84	239255	44.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.62%
36) 1,2-Dichloropropane-d6	6.32	67	77326	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.36%
41) Toluene-d8	7.56	98	222283	43.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.85	79	36625	45.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.42%
47) 2-Hexanone-d5	8.31	63	75111	92.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	113384	46.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.48%
64) 1,2-Dichlorobenzene-d4	11.85	152	95849	46.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.72%

Target Compounds

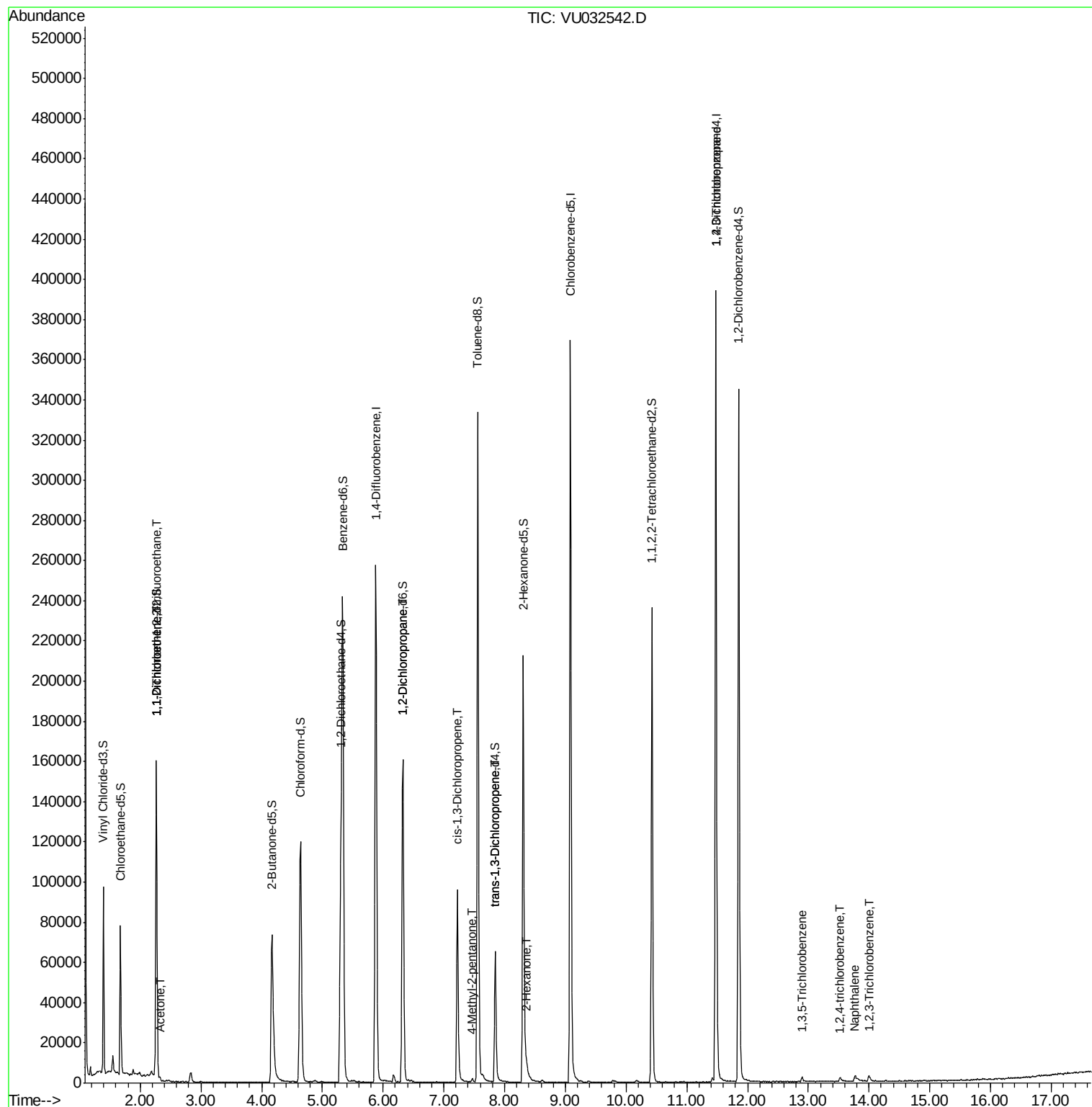
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	801	0.595	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	830	0.635	ug/L #	1
13) Acetone	2.32	43	808	0.654	ug/L	96
37) 1,2-Dichloropropane	6.32	63	8642	5.641	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2536	1.049	ug/L #	72
40) 4-Methyl-2-pentanone	7.47	43	1319	0.535	ug/L #	51
44) trans-1,3-Dichloropropene	7.85	75	1787	0.833	ug/L	87
48) 2-Hexanone	8.36	43	5681	2.807	ug/L #	75
59) 1,2,3-Trichloropropane	11.48	75	12795	6.425	ug/L	90
67) 1,3,5-Trichlorobenzene	12.90	180	1688	0.671	ug/L #	74
68) 1,2,4-trichlorobenzene	13.52	180	862	0.405	ug/L #	62
69) Naphthalene	13.77	128	5942	0.885	ug/L #	80
70) 1,2,3-Trichlorobenzene	14.00	180	1817	0.820	ug/L #	19

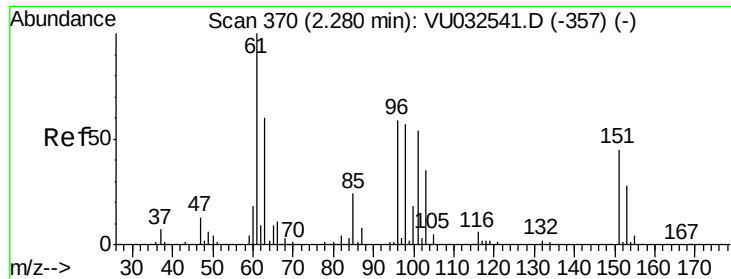
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 08 23:12:44 2019
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#10

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

Concen: 0.595 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032542.D

Acq: 08 Jun 2019 14:55

Instrument :

MSVOA_U

ClientSampleId :

VBLK53

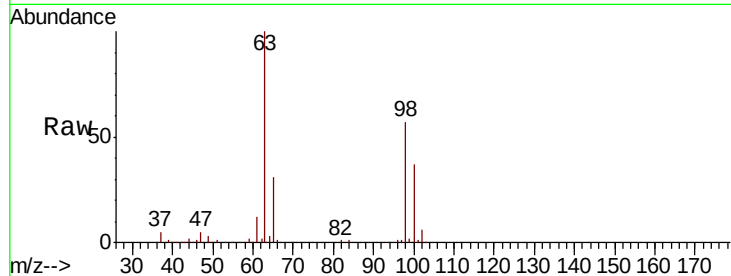
Tgt Ion: 101 Resp: 801

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

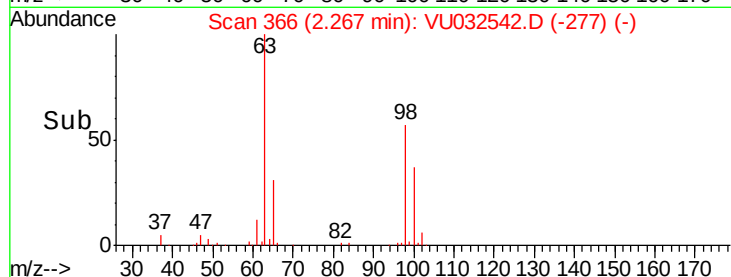
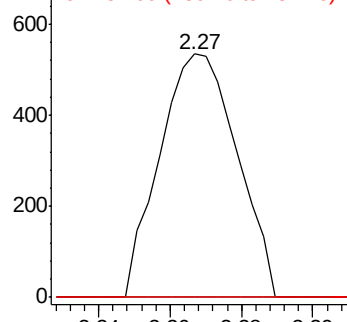
151 0.0 63.0 94.4#



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: 0.635 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032542.D

Acq: 08 Jun 2019 14:55

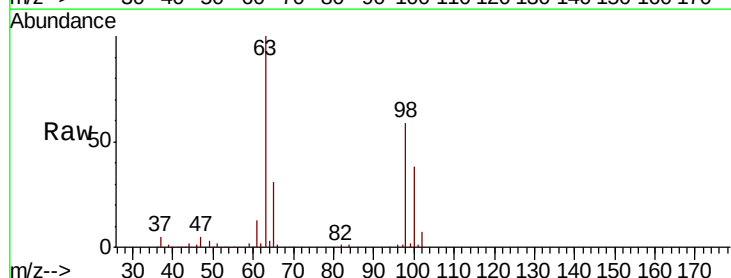
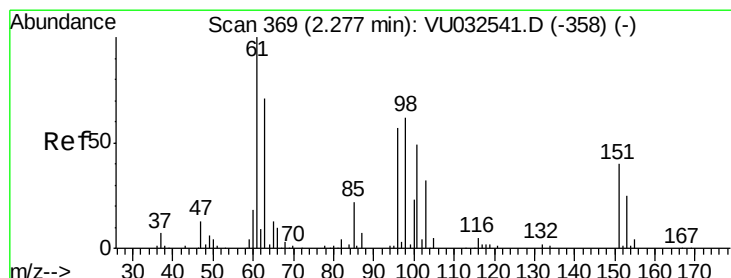
Tgt Ion: 96 Resp: 830

Ion Ratio Lower Upper

96 100

61 1309.4 129.5 240.5#

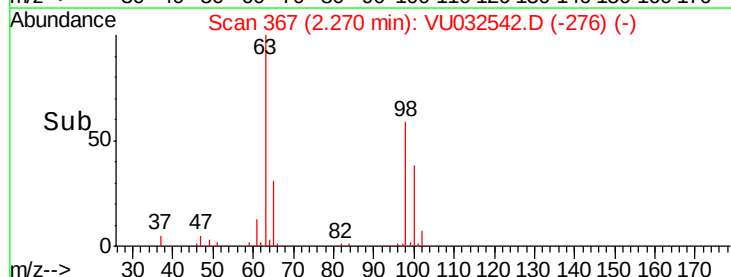
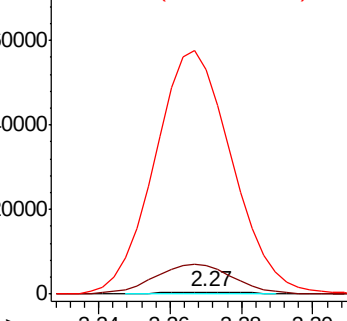
63 10211.1 103.4 192.0#

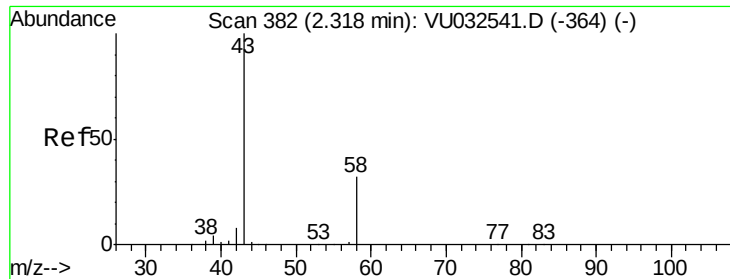


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.654 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032542.D

Acq: 08 Jun 2019 14:55

Instrument :

MSVOA_U

ClientSampleId :

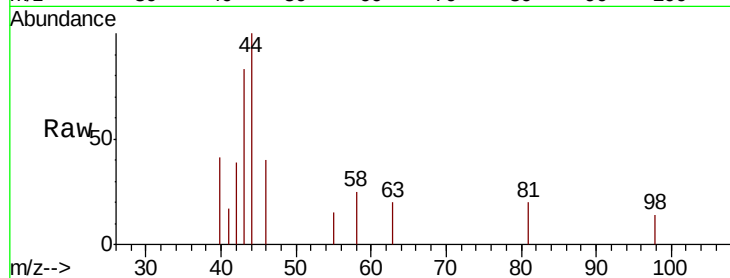
VBLK53

Tgt Ion: 43 Resp: 808

Ion Ratio Lower Upper

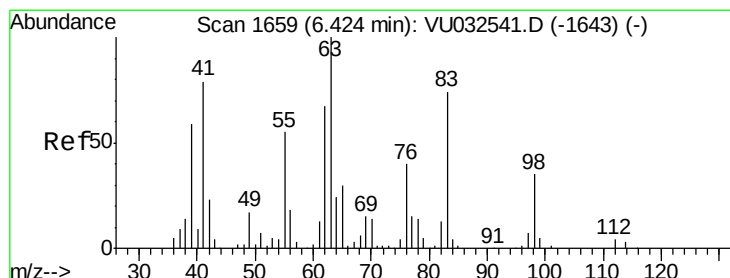
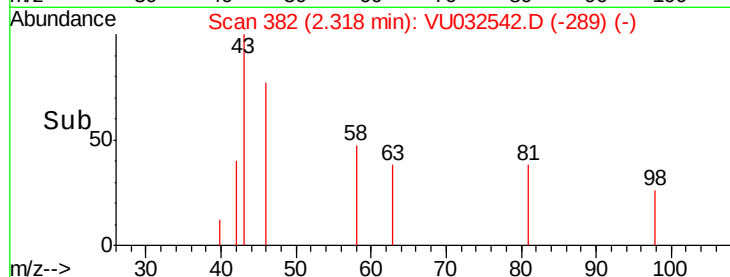
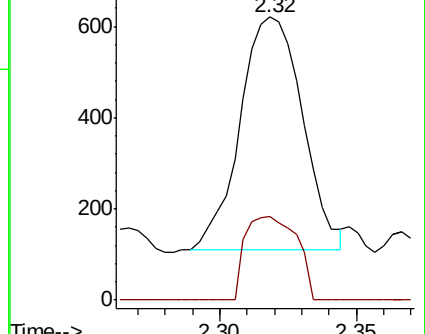
43 100

58 29.7 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032541.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU032541.D (-364) (-)



#37

1,2-Dichloropropane

Concen: 5.641 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.10 min

Lab File: VU032542.D

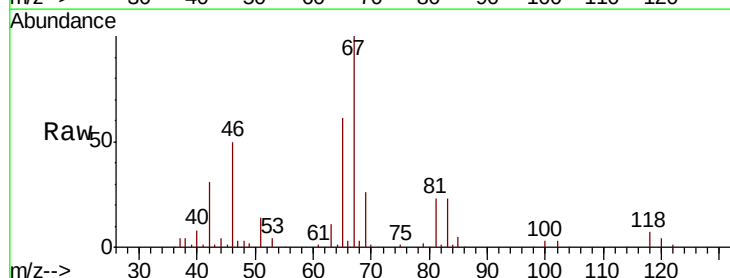
Acq: 08 Jun 2019 14:55

Tgt Ion: 63 Resp: 8642

Ion Ratio Lower Upper

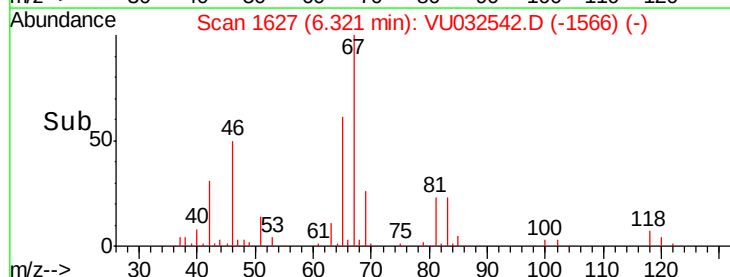
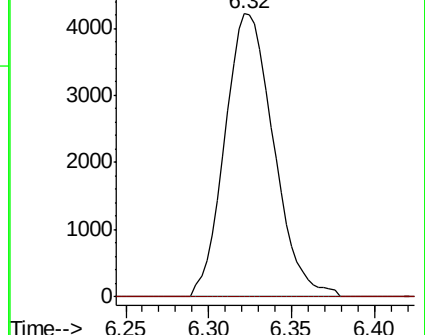
63 100

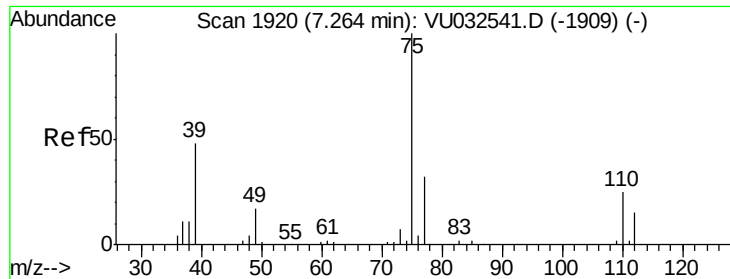
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU032541.D (-1643) (-)

Ion 112.00 (111.70 to 112.70): VU032541.D (-1643) (-)

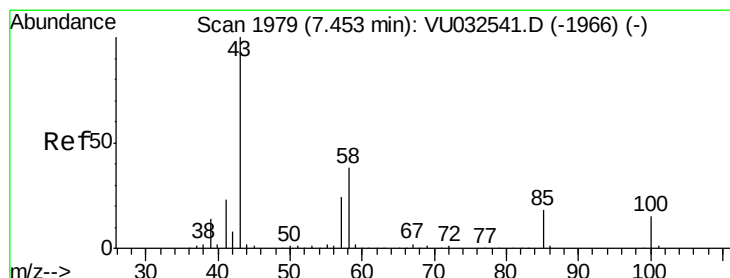
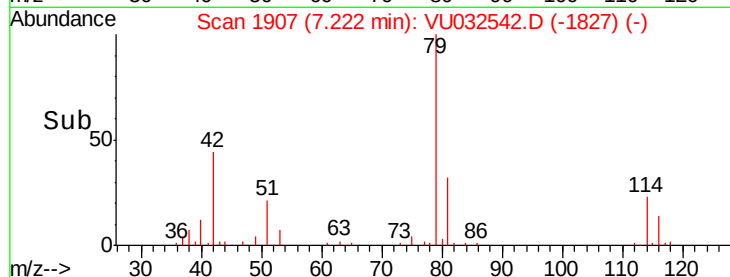
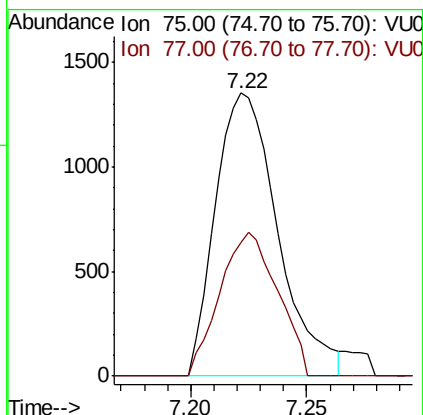
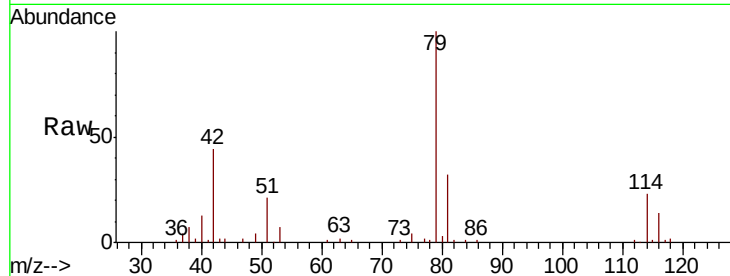




#39
 cis-1,3-Dichloropropene
 Concen: 1.049 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032542.D
 Acq: 08 Jun 2019 14:55

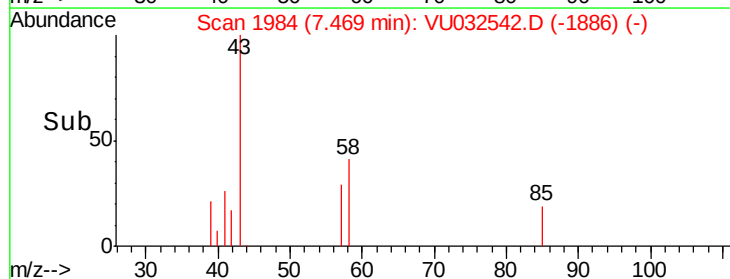
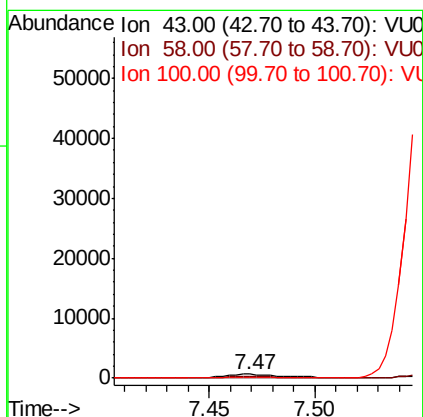
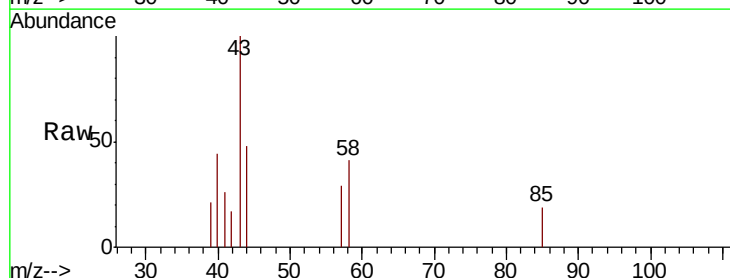
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK53

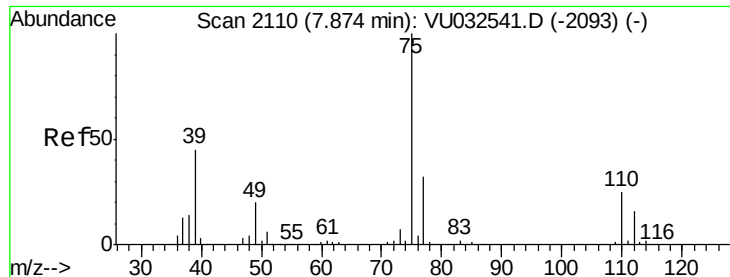
Tgt Ion: 75 Resp: 2536
 Ion Ratio Lower Upper
 75 100
 77 47.0 22.0 41.0#



#40
 4-Methyl-2-pentanone
 Concen: 0.535 ug/L
 RT: 7.47 min Scan# 1984
 Delta R.T. 0.02 min
 Lab File: VU032542.D
 Acq: 08 Jun 2019 14:55

Tgt Ion: 43 Resp: 1319
 Ion Ratio Lower Upper
 43 100
 58 5.5 30.8 46.2#
 100 0.0 12.1 18.1#

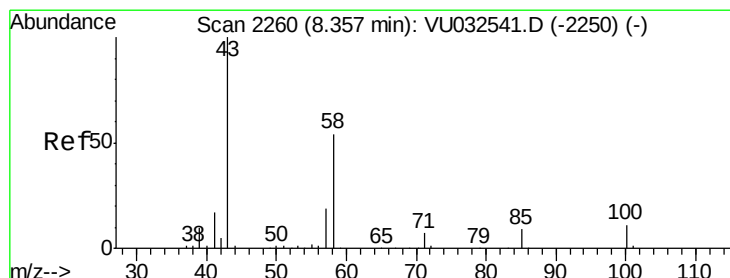
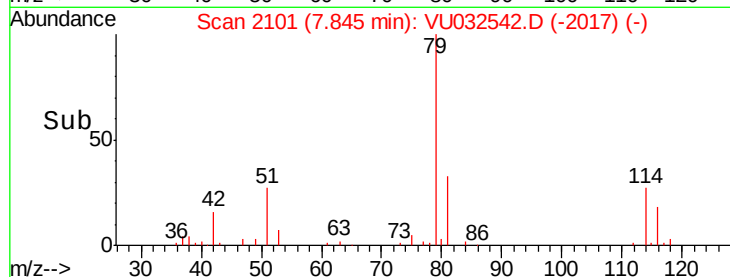
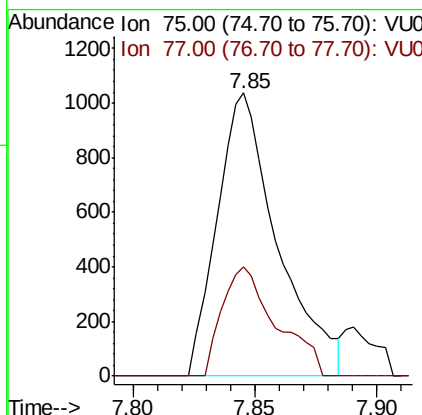
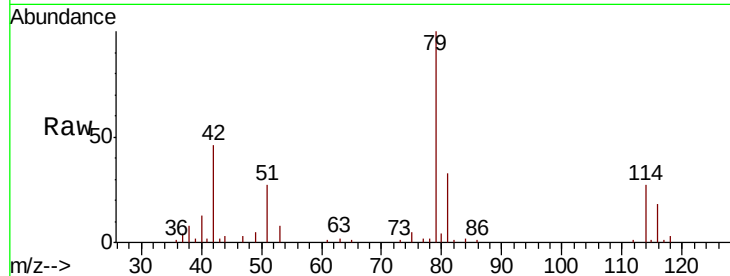




#44
trans-1,3-Dichloropropene
Concen: 0.833 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032542.D
Acq: 08 Jun 2019 14:55

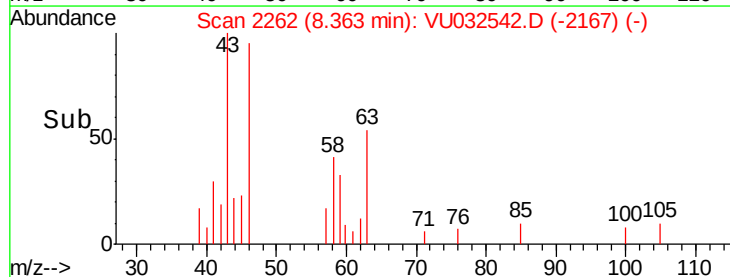
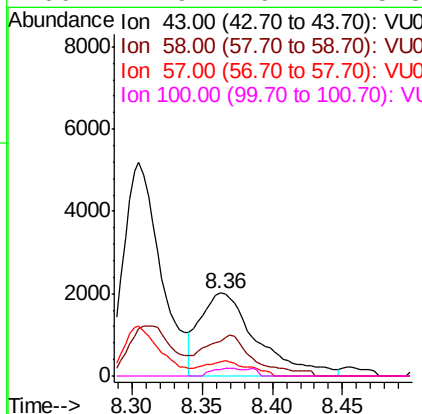
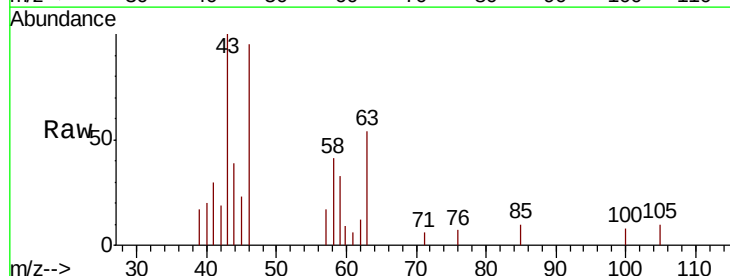
Instrument :
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ClientSampled :
VBLK53

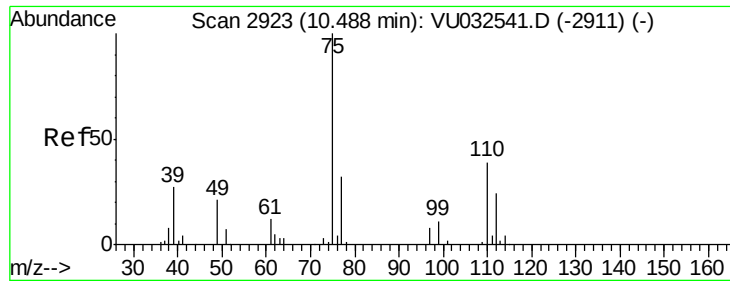
Tgt Ion: 75 Resp: 1787
Ion Ratio Lower Upper
75 100
77 38.6 22.1 41.1



#48
2-Hexanone
Concen: 2.807 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU032542.D
Acq: 08 Jun 2019 14:55

Tgt Ion: 43 Resp: 5681
Ion Ratio Lower Upper
43 100
58 35.6 42.0 63.0#
57 4.4 14.6 22.0#
100 4.9 9.2 13.8#

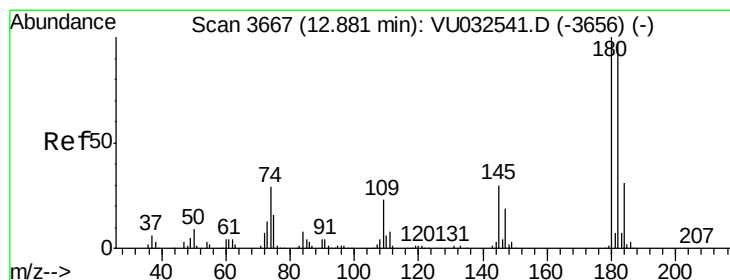
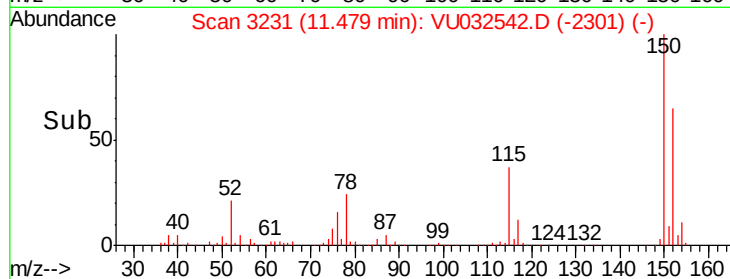
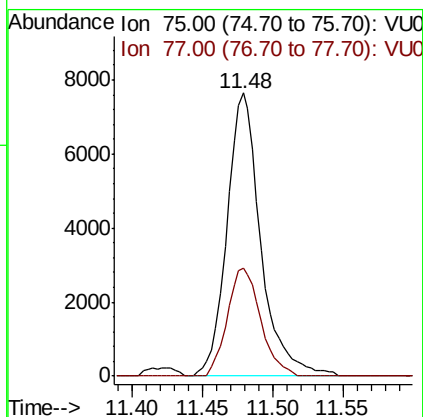
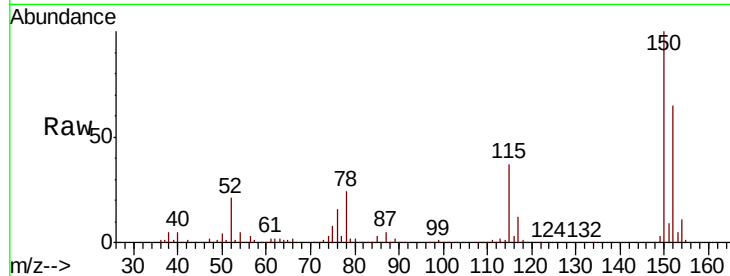




#59
 1,2,3-Trichloropropane
 Concen: 6.425 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032542.D
 Acq: 08 Jun 2019 14:55

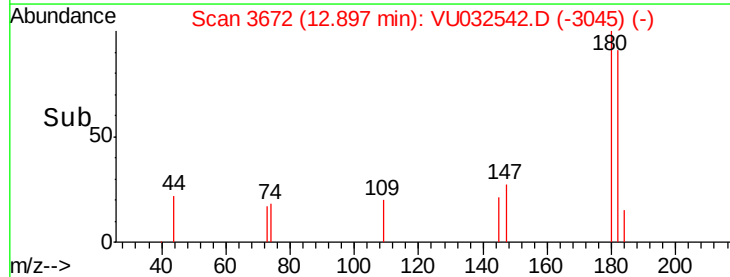
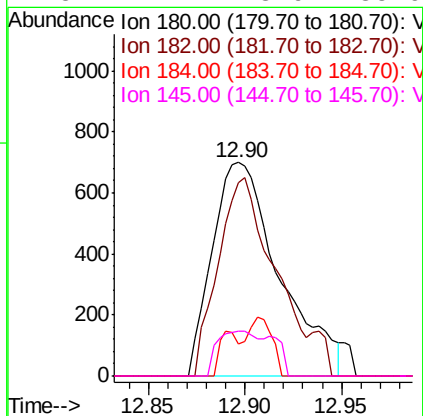
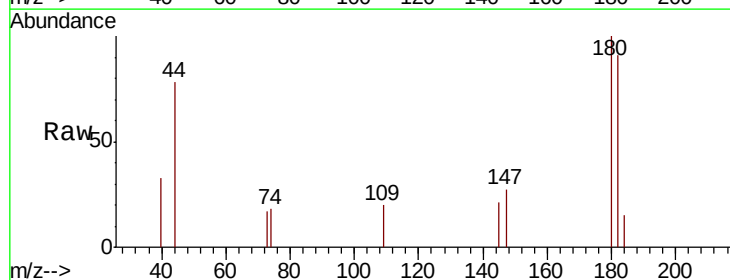
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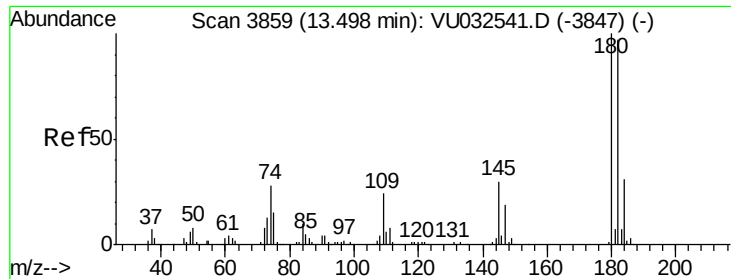
Tgt Ion: 75 Resp: 12795
 Ion Ratio Lower Upper
 75 100
 77 37.4 25.6 38.4



#67
 1,3,5-Trichlorobenzene
 Concen: 0.671 ug/L
 RT: 12.90 min Scan# 3672
 Delta R.T. 0.02 min
 Lab File: VU032542.D
 Acq: 08 Jun 2019 14:55

Tgt Ion: 180 Resp: 1688
 Ion Ratio Lower Upper
 180 100
 182 76.8 78.2 117.4#
 184 10.2 24.2 36.2#
 145 12.1 23.9 35.9#

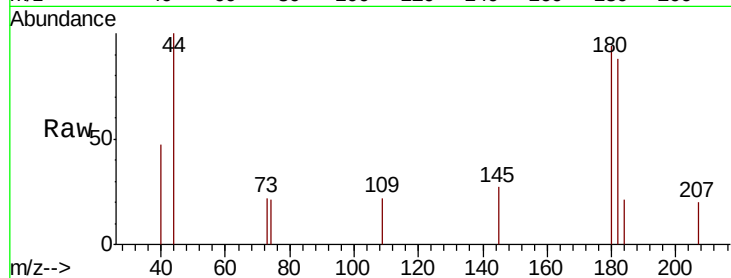




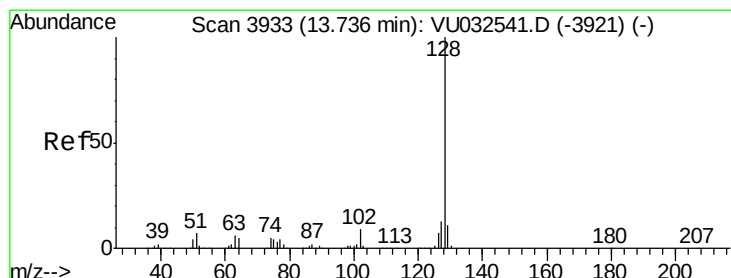
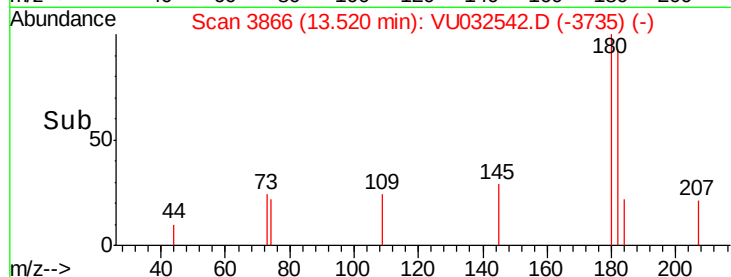
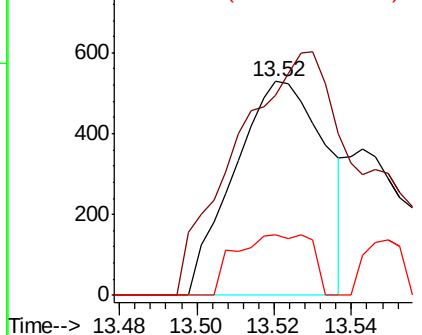
#68
 1,2,4-trichlorobenzene
 Concen: 0.405 ug/L
 RT: 13.52 min Scan# 3866
 Delta R.T. 0.02 min
 Lab File: VU032542.D
 Acq: 08 Jun 2019 14:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK53

Tgt Ion:180 Resp: 862
 Ion Ratio Lower Upper
 180 100
 182 134.6 76.5 114.7#
 145 12.5 23.8 35.6#

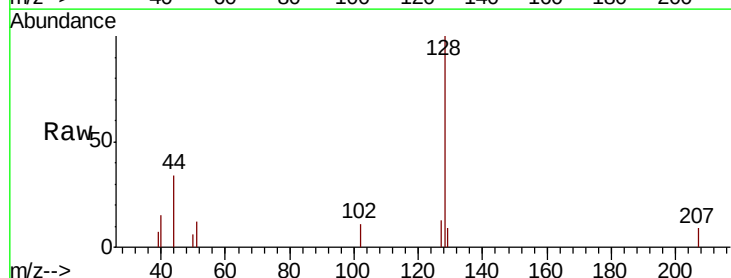


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

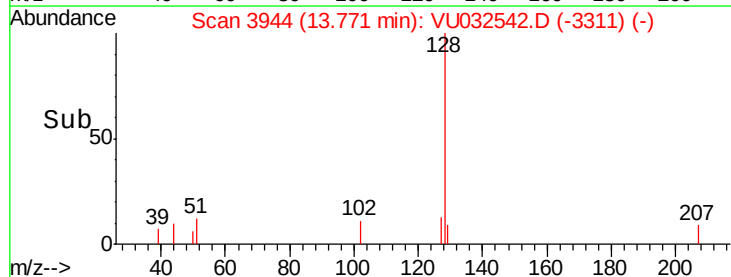
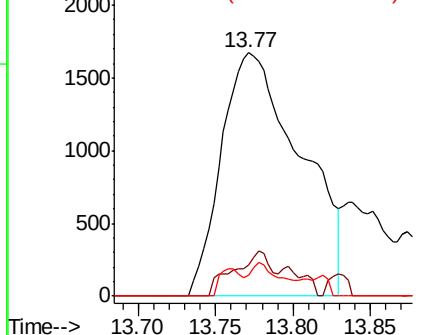


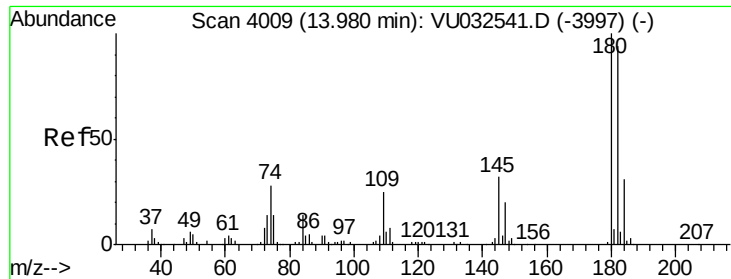
#69
 Naphthalene
 Concen: 0.885 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.04 min
 Lab File: VU032542.D
 Acq: 08 Jun 2019 14:55

Tgt Ion:128 Resp: 5942
 Ion Ratio Lower Upper
 128 100
 127 3.3 10.4 15.6#
 129 5.1 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.820 ug/L
 RT: 14.00 min Scan# 4015
 Delta R.T. 0.02 min
 Lab File: VU032542.D
 Acq: 08 Jun 2019 14:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.7	115.1#
145	16.0	25.4	38.2#

