

Data File : VU033454.D
Acq On : 26 Jul 2019 15:33
Operator : JC/SP
Sample : K3976-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CC9

Quant Time: Jul 27 02:02:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 27 01:57:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	267512	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	272018	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	119113	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	97906	48.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.70%
7) Chloroethane-d5	1.67	69	88512	51.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.32%
11) 1,1-Dichloroethene-d2	2.25	63	141734	38.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.18%
21) 2-Butanone-d5	4.15	46	138707	108.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.10%
24) Chloroform-d	4.62	84	161680	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.28%
26) 1,2-Dichloroethane-d4	5.29	65	115594	53.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.22%
32) Benzene-d6	5.32	84	336476	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.84%
36) 1,2-Dichloropropane-d6	6.31	67	110206	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.12%
41) Toluene-d8	7.55	98	292429	46.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.94%
43) trans-1,3-Dichloropropene-	7.83	79	49779	47.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.98%
47) 2-Hexanone-d5	8.30	63	93693	97.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.23%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	165417	51.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.26%
64) 1,2-Dichlorobenzene-d4	11.85	152	115572	54.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.82%

Target Compounds

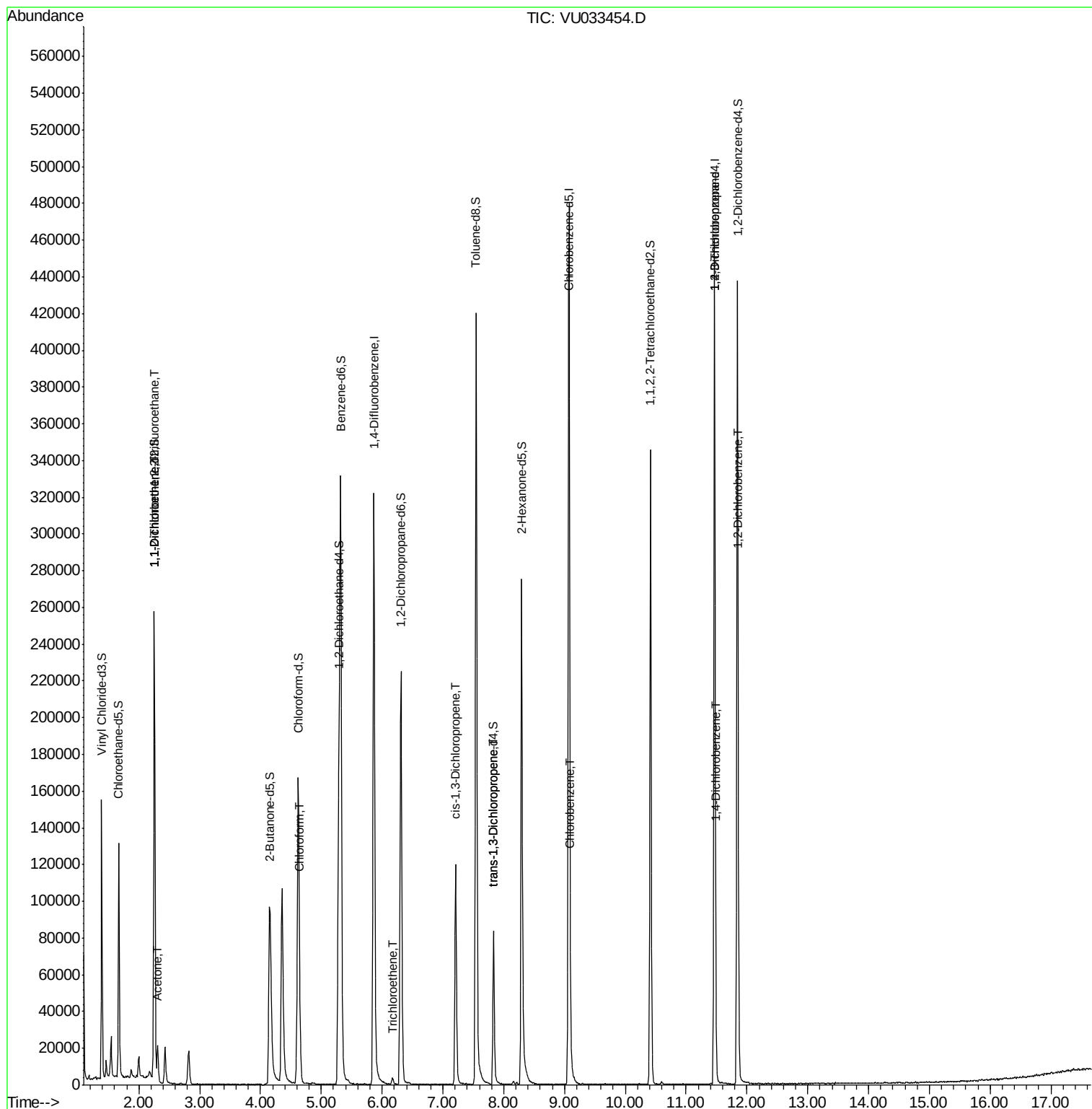
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1219	0.668 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1057	0.592 ug/L #	1
13) Acetone	2.31	43	19775	12.335 ug/L	99
25) Chloroform	4.65	83	10391	2.754 ug/L	98
34) Trichloroethene	6.17	95	1348	0.650 ug/L #	84
39) cis-1,3-Dichloropropene	7.21	75	3093	0.938 ug/L #	66
44) trans-1,3-Dichloropropene	7.83	75	2362	0.794 ug/L #	75
51) Chlorobenzene	9.10	112	5045	0.904 ug/L	97
59) 1,2,3-Trichloropropane	11.47	75	14717	5.255 ug/L	93
63) 1,4-Dichlorobenzene	11.49	146	2511	0.655 ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	3676	0.978 ug/L	95

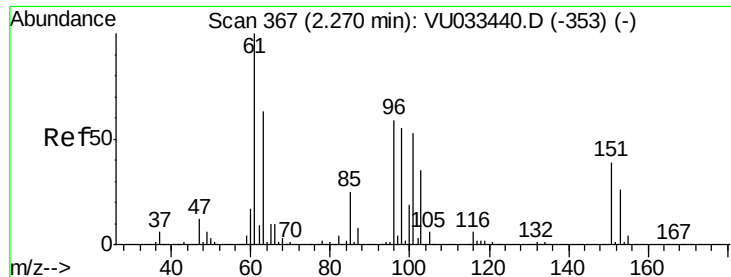
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.668 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

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Instrument :

MSVOA_U

ClientSampleId :

C0CC9

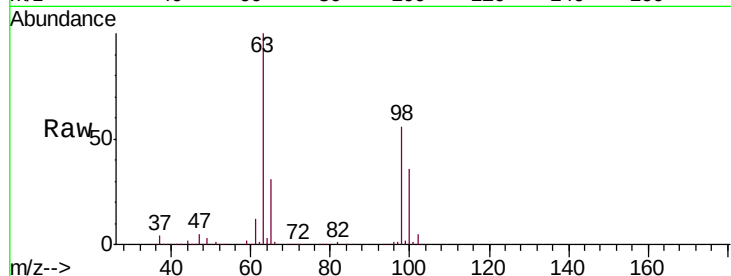
Tgt Ion: 101 Resp: 1219

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

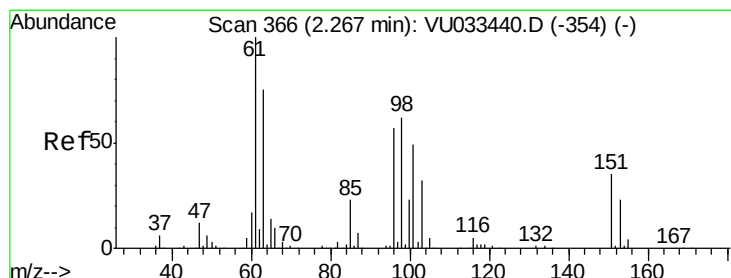
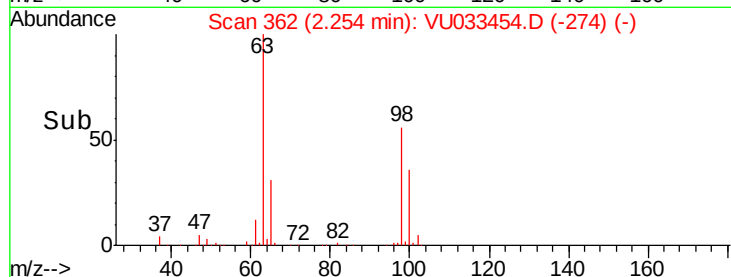
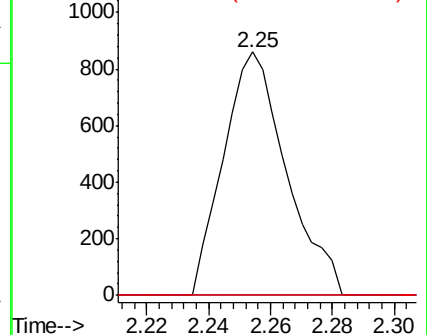
151 0.0 56.7 85.1#



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: 0.592 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033454.D

Acq: 26 Jul 2019 15:33

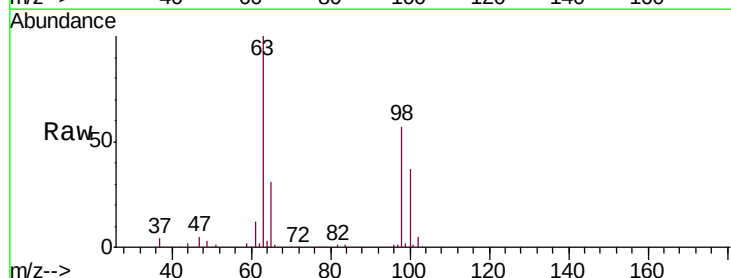
Tgt Ion: 96 Resp: 1057

Ion Ratio Lower Upper

96 100

61 1469.8 126.1 234.1#

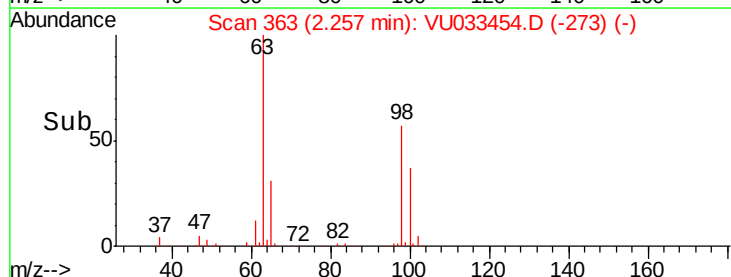
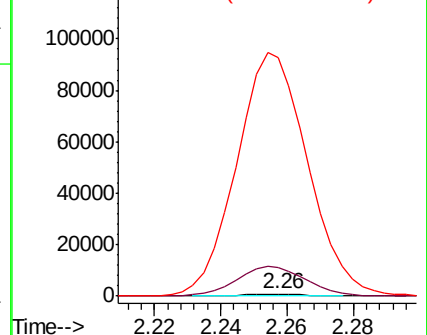
63 12191.8 96.8 179.8#

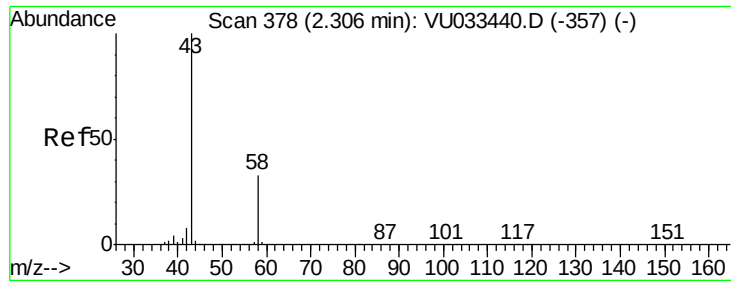


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 12.335 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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Acq: 26 Jul 2019 15:33

Instrument :

MSVOA_U

ClientSampleId :

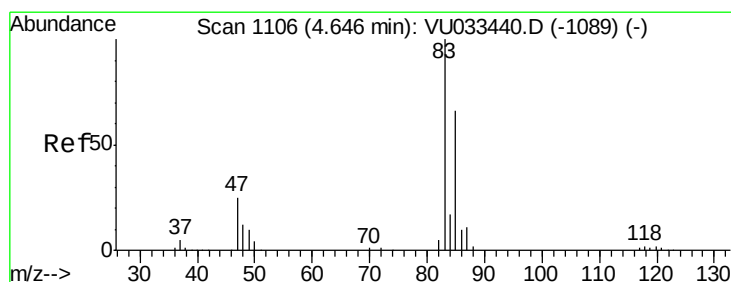
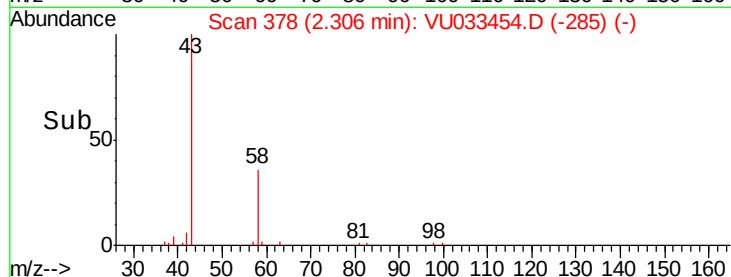
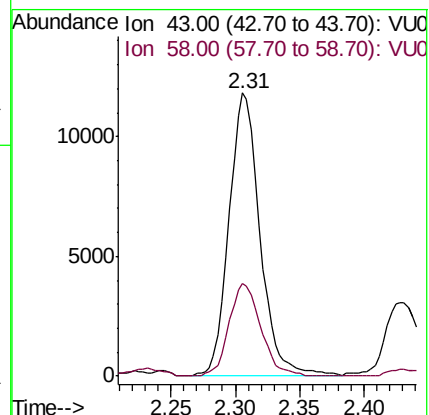
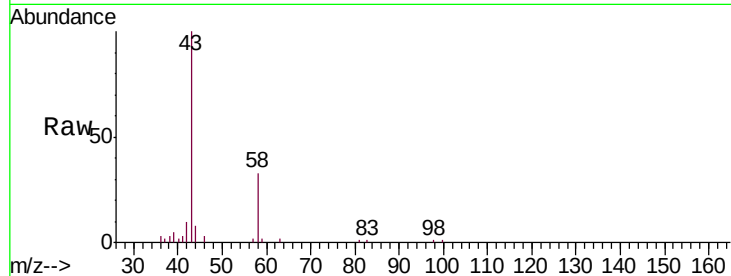
C0CC9

Tgt Ion: 43 Resp: 19775

Ion Ratio Lower Upper

43 100

58 33.4 0.0 65.4



#25

Chloroform

Concen: 2.754 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033454.D

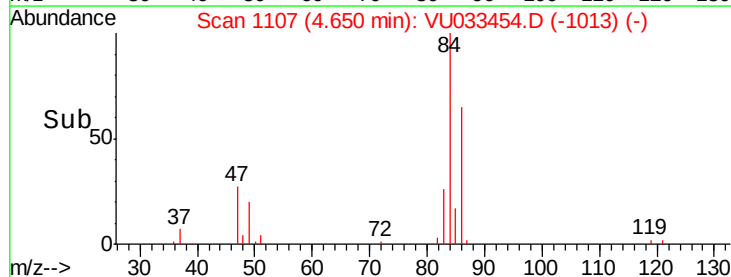
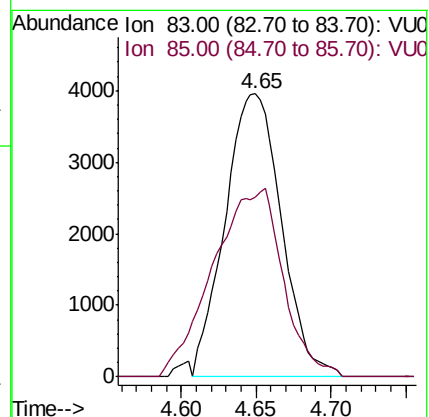
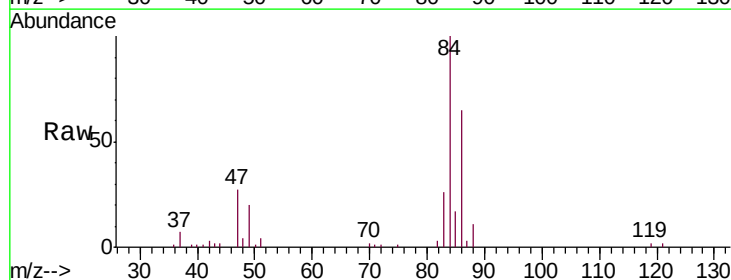
Acq: 26 Jul 2019 15:33

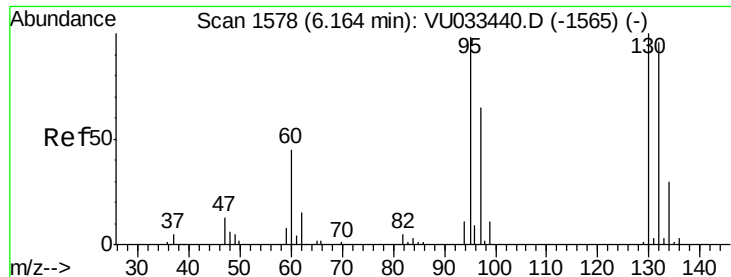
Tgt Ion: 83 Resp: 10391

Ion Ratio Lower Upper

83 100

85 63.5 45.4 84.4





#34

Trichloroethene

Concen: 0.650 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033454.D

Acq: 26 Jul 2019 15:33

Instrument :

MSVOA_U

ClientSampleId :

C0CC9

Tgt Ion: 95 Resp: 1348

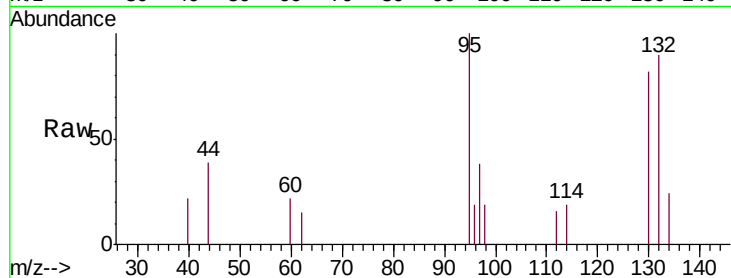
Ion Ratio Lower Upper

95 100

97 38.3 43.8 81.4#

132 90.1 65.5 121.6

130 81.8 69.7 129.5

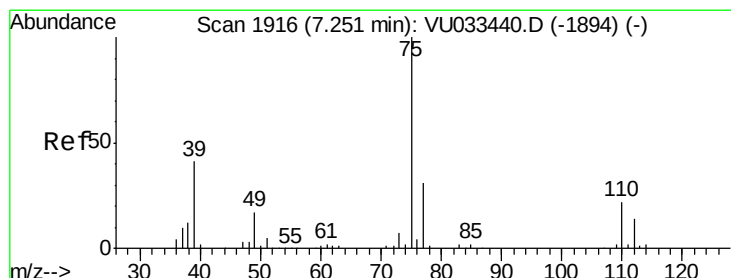
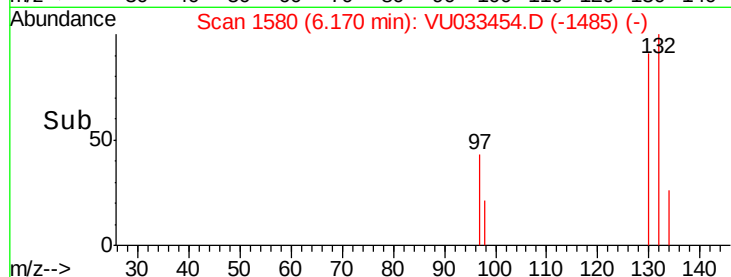
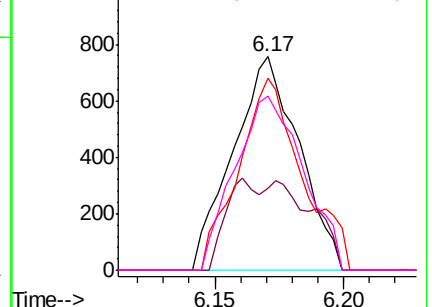


Abundance Ion 95.00 (94.70 to 95.70): VU033440.D (-1565) (-)

Ion 97.00 (96.70 to 97.70): VU033440.D (-1565) (-)

Ion 132.00 (131.70 to 132.70): VU033440.D (-1565) (-)

Ion 130.00 (129.70 to 130.70): VU033440.D (-1565) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.938 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033454.D

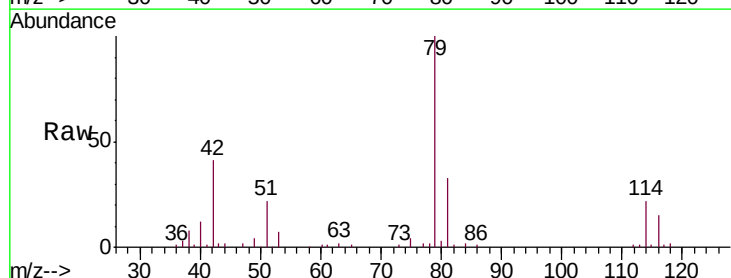
Acq: 26 Jul 2019 15:33

Tgt Ion: 75 Resp: 3093

Ion Ratio Lower Upper

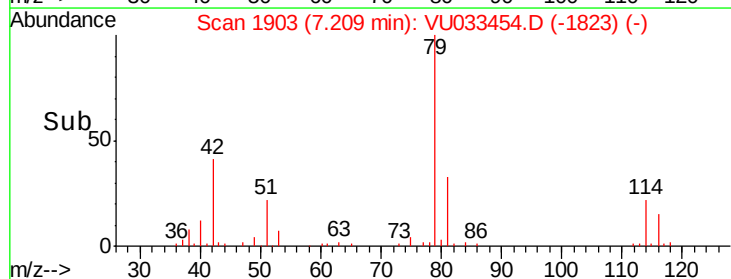
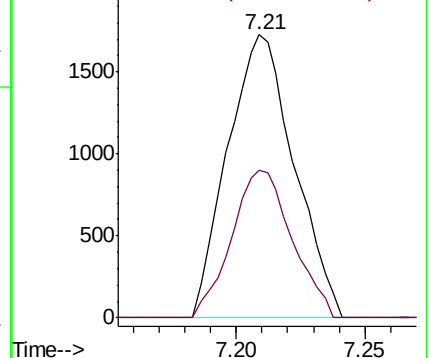
75 100

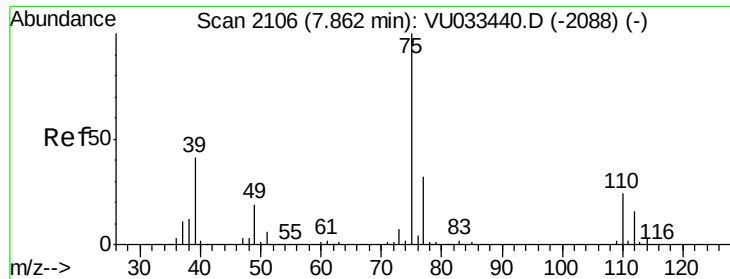
77 52.4 23.1 42.9#



Abundance Ion 75.00 (74.70 to 75.70): VU033440.D (-1894) (-)

Ion 77.00 (76.70 to 77.70): VU033440.D (-1894) (-)

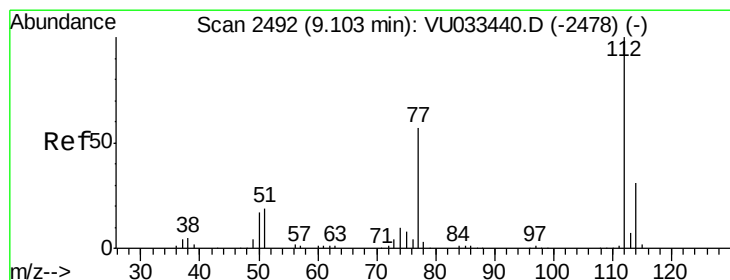
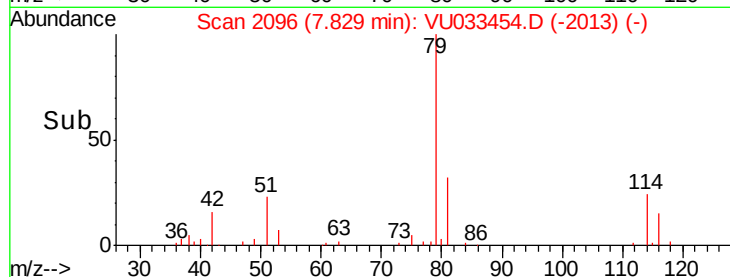
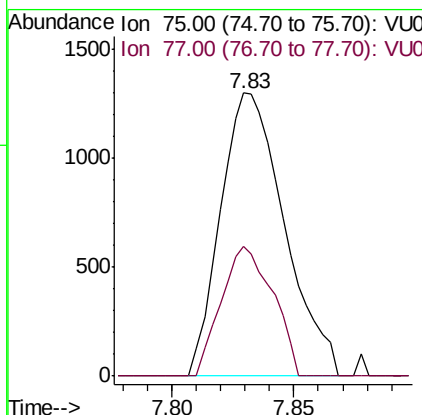
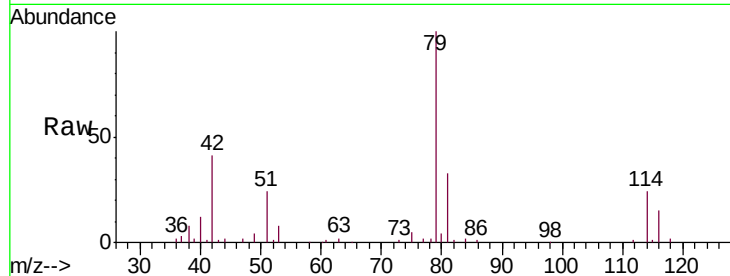




#44
trans-1,3-Dichloropropene
Concen: 0.794 ug/L
RT: 7.83 min Scan# 2096
Delta R.T. -0.03 min
Lab File: VU033454.D
Acq: 26 Jul 2019 15:33

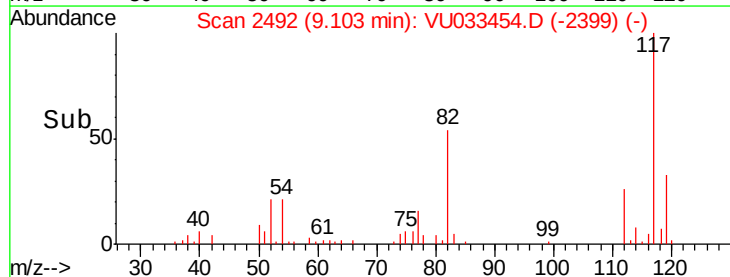
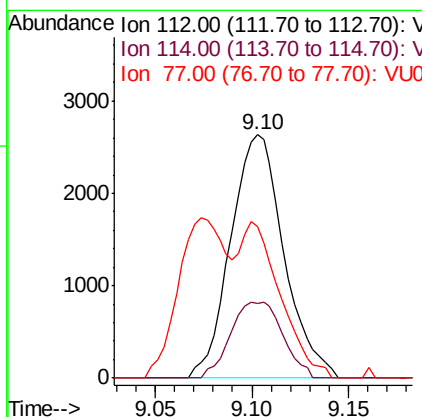
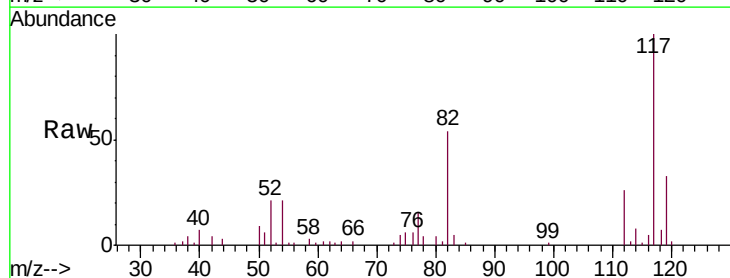
Instrument :
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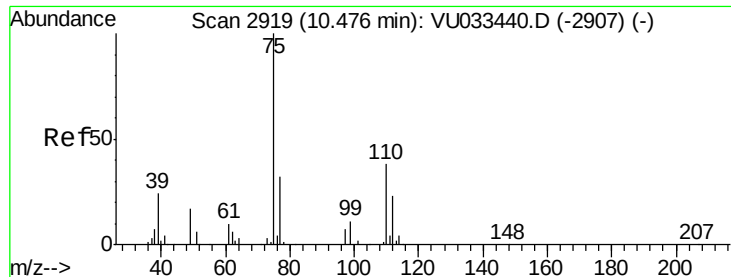
Tgt Ion: 75 Resp: 2362
Ion Ratio Lower Upper
75 100
77 46.0 22.4 41.6#



#51
Chlorobenzene
Concen: 0.904 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033454.D
Acq: 26 Jul 2019 15:33

Tgt Ion: 112 Resp: 5045
Ion Ratio Lower Upper
112 100
114 30.9 22.3 41.3
77 62.3 47.2 70.8





#59

1,2,3-Trichloropropane

Concen: 5.255 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033454.D

Acq: 26 Jul 2019 15:33

Instrument :

MSVOA_U

ClientSampleId :

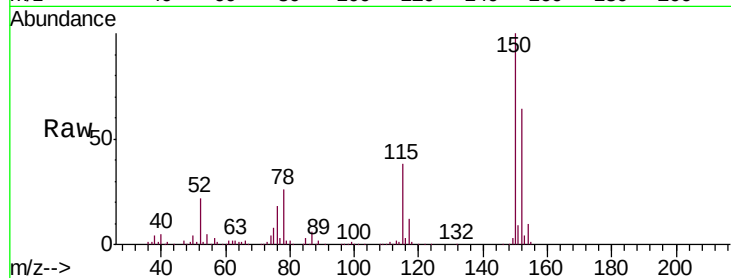
C0CC9

Tgt Ion: 75 Resp: 14717

Ion Ratio Lower Upper

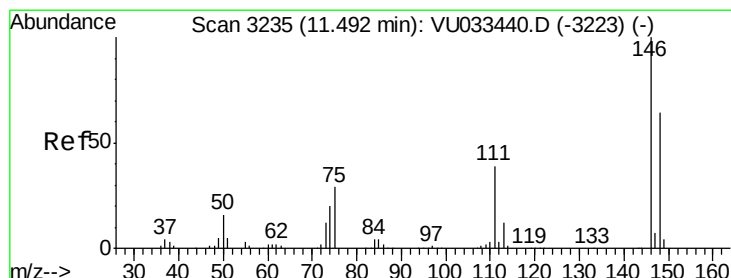
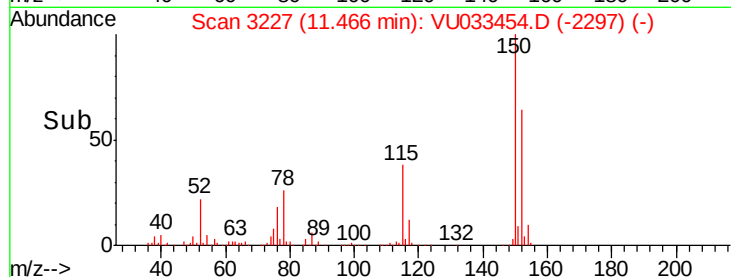
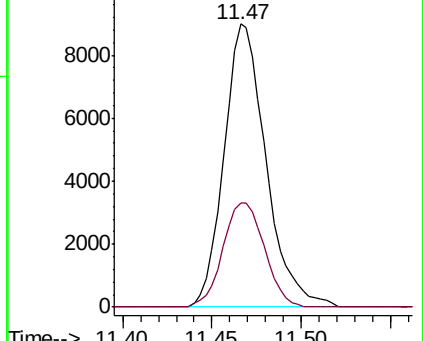
75 100

77 36.3 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU033440.D (-2907) (-)

Ion 77.00 (76.70 to 77.70): VU033440.D (-2907) (-)



#63

1,4-Dichlorobenzene

Concen: 0.655 ug/L

RT: 11.49 min Scan# 3236

Delta R.T. 0.00 min

Lab File: VU033454.D

Acq: 26 Jul 2019 15:33

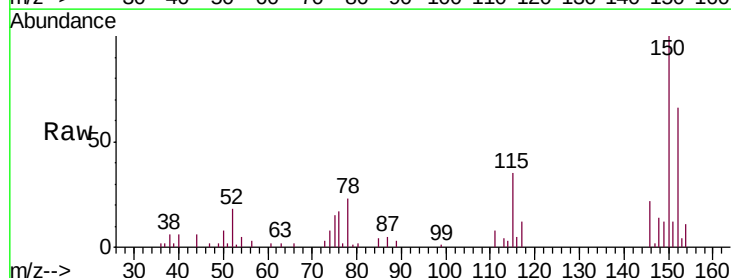
Tgt Ion: 146 Resp: 2511

Ion Ratio Lower Upper

146 100

111 38.5 27.8 51.6

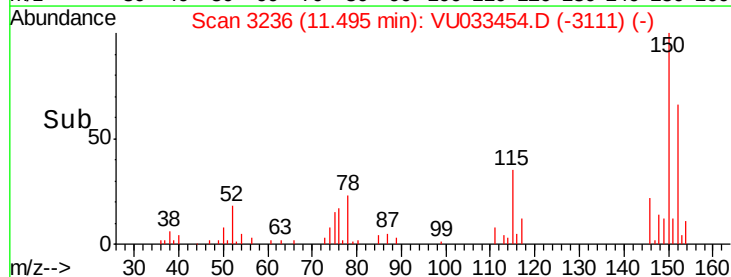
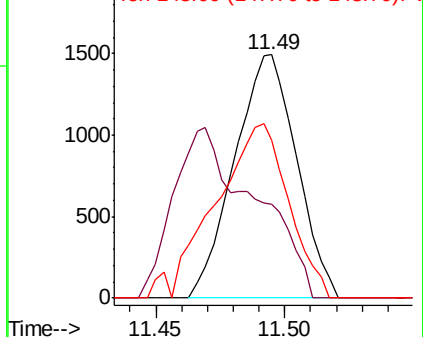
148 65.0 44.6 82.8

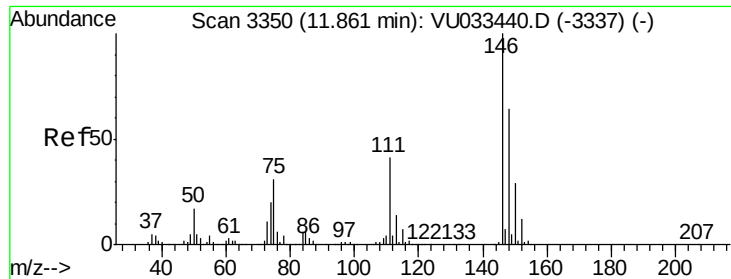


Abundance Ion 146.00 (145.70 to 146.70): VU033440.D (-3223) (-)

Ion 111.00 (110.70 to 111.70): VU033440.D (-3223) (-)

Ion 148.00 (147.70 to 148.70): VU033440.D (-3223) (-)





#65

1,2-Dichlorobenzene

Concen: 0.978 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

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Acq: 26 Jul 2019 15:33

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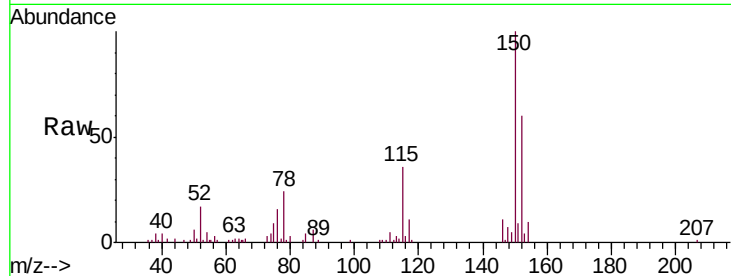
Tgt Ion:146 Resp: 3676

Ion Ratio Lower Upper

146 100

111 47.9 34.3 51.5

148 66.7 51.5 77.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

