

Data File : VU033446.D
Acq On : 26 Jul 2019 12:29
Operator : JC/SP
Sample : K3976-04RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CB7

Quant Time: Jul 27 02:01:19 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	247417	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	258231	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	108607	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	107521	57.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	114.82%
7) Chloroethane-d5	1.67	69	96541	60.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.68%
11) 1,1-Dichloroethene-d2	2.26	63	167019	49.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.32%
21) 2-Butanone-d5	4.15	46	137694	116.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.03%
24) Chloroform-d	4.62	84	172276	54.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.78%
26) 1,2-Dichloroethane-d4	5.29	65	120061	59.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.28%
32) Benzene-d6	5.32	84	361708	57.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.20%
36) 1,2-Dichloropropane-d6	6.31	67	116711	57.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.02%
41) Toluene-d8	7.55	98	318707	53.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.70%
43) trans-1,3-Dichloropropene-	7.83	79	51787	52.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.08%
47) 2-Hexanone-d5	8.30	63	96502	105.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.49%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	173254	56.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.82%
64) 1,2-Dichlorobenzene-d4	11.85	152	119749	61.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.66%#

Target Compounds

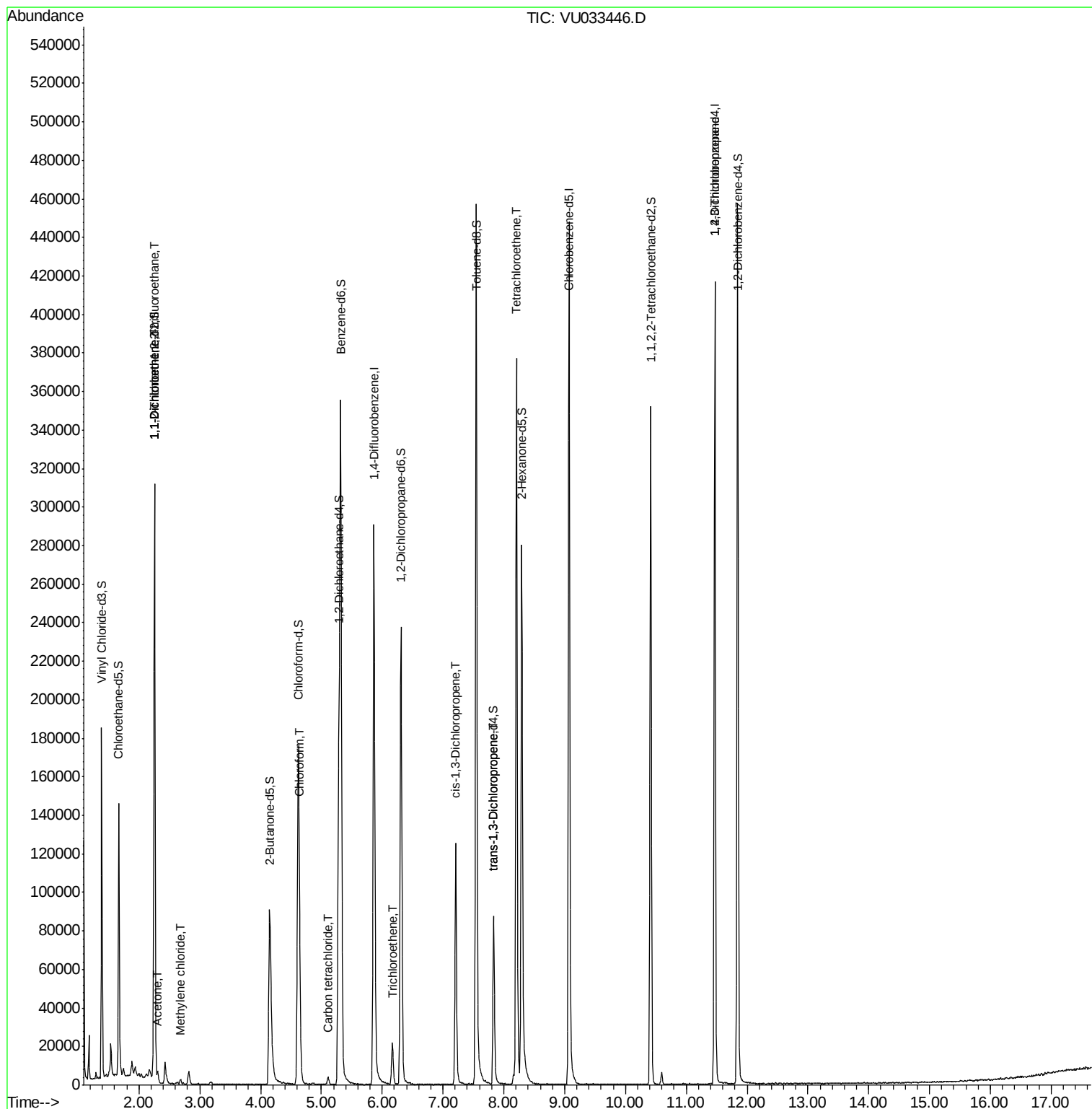
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1490	0.883 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1606	0.972 ug/L #	1
13) Acetone	2.31	43	4346	2.931 ug/L	97
16) Methylene chloride	2.68	84	1058	0.561 ug/L	94
25) Chloroform	4.65	83	21909	6.279 ug/L	99
31) Carbon tetrachloride	5.11	117	2775	1.053 ug/L #	37
34) Trichloroethene	6.17	95	7819	3.970 ug/L	99
39) cis-1,3-Dichloropropene	7.21	75	3064	0.978 ug/L #	72
44) trans-1,3-Dichloropropene	7.83	75	2461	0.871 ug/L	89
46) Tetrachloroethene	8.21	164	83149	54.537 ug/L	98
59) 1,2,3-Trichloropropane	11.47	75	12921	4.860 ug/L	89

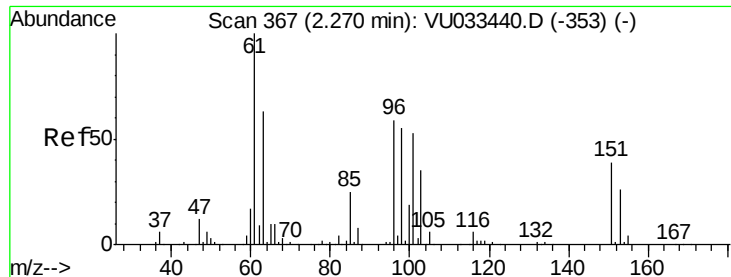
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.883 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

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Instrument :

MSVOA_U

ClientSampleId :

C0CB7

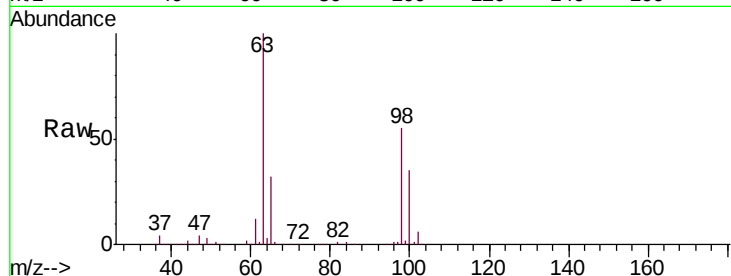
Tgt Ion: 101 Resp: 1490

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

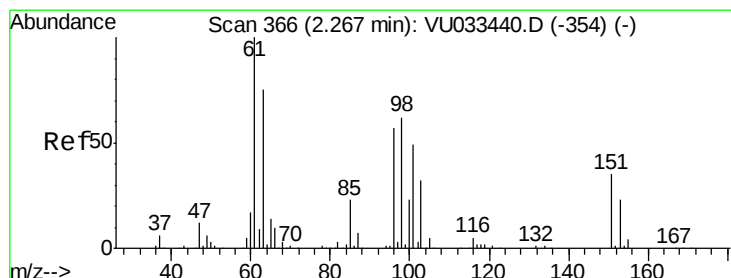
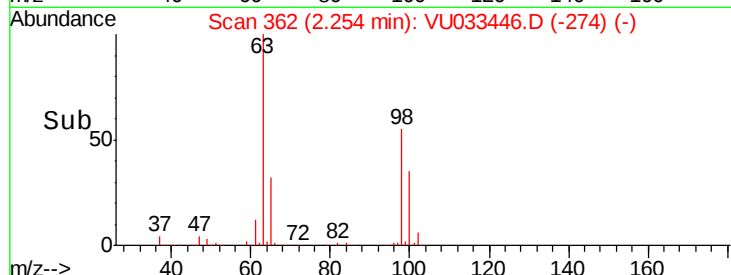
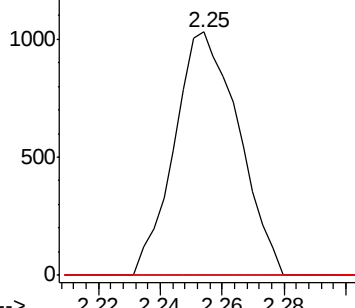
151 0.0 56.7 85.1#



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: 0.972 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033446.D

Acq: 26 Jul 2019 12:29

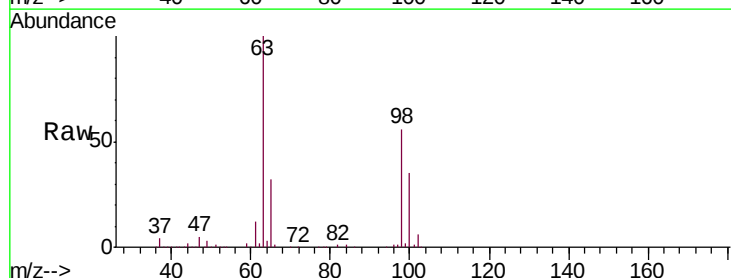
Tgt Ion: 96 Resp: 1606

Ion Ratio Lower Upper

96 100

61 1231.3 126.1 234.1#

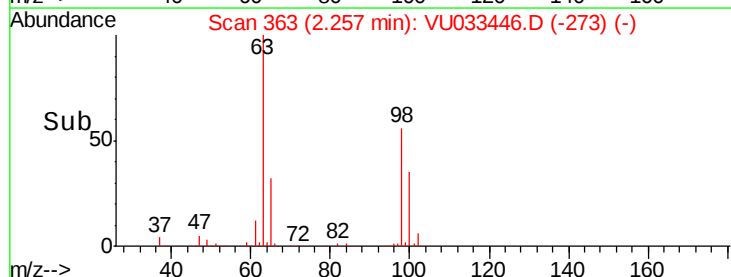
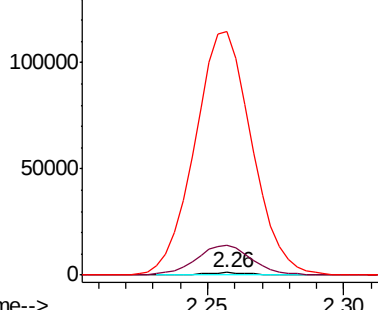
63 10060.8 96.8 179.8#

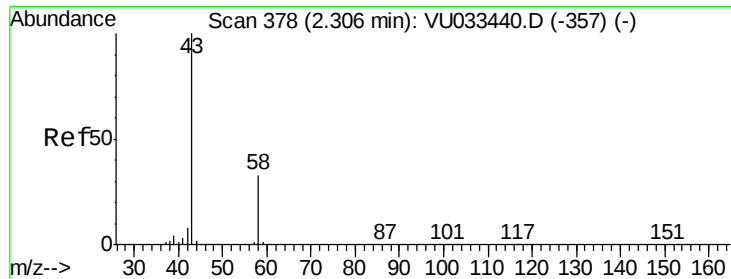


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.931 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033446.D

Acq: 26 Jul 2019 12:29

Instrument :

MSVOA_U

ClientSampleId :

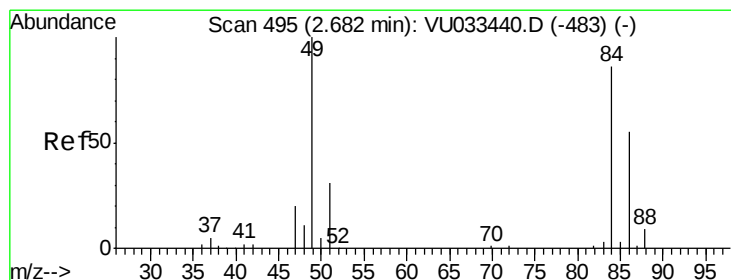
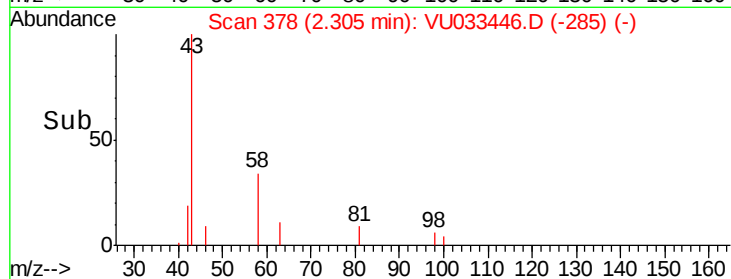
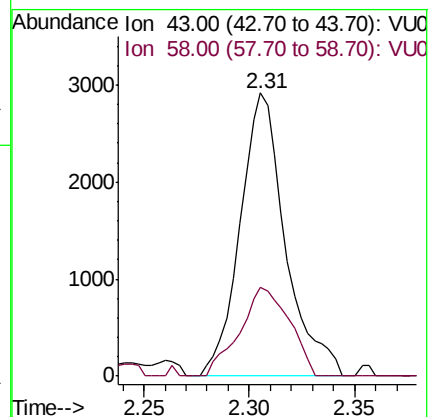
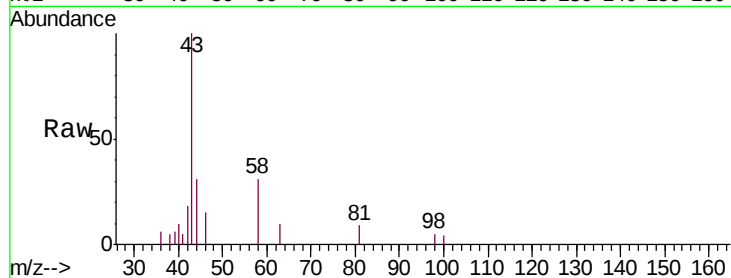
C0CB7

Tgt Ion: 43 Resp: 4346

Ion Ratio Lower Upper

43 100

58 34.5 0.0 65.4



#16

Methylene chloride

Concen: 0.561 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU033446.D

Acq: 26 Jul 2019 12:29

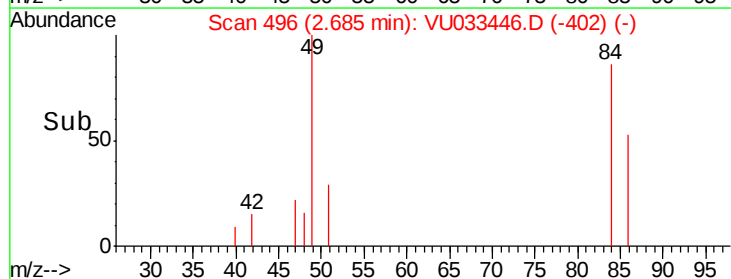
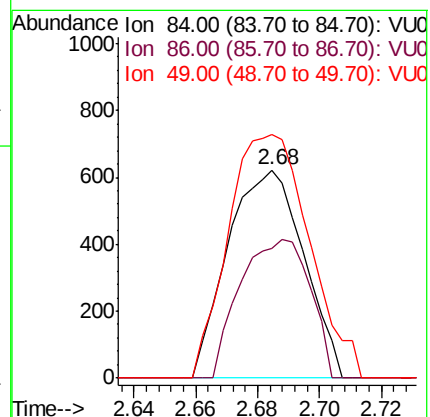
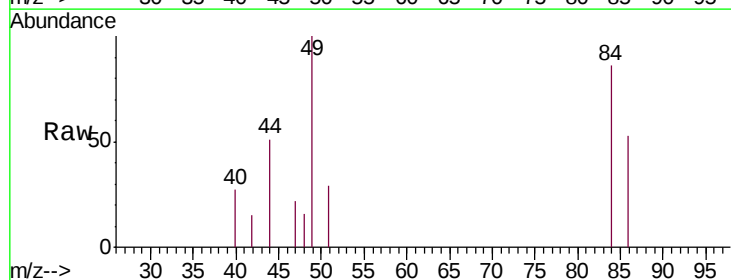
Tgt Ion: 84 Resp: 1058

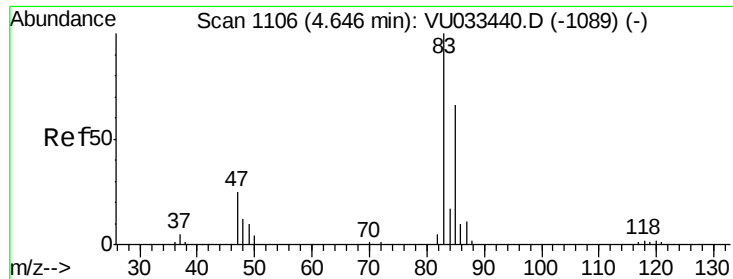
Ion Ratio Lower Upper

84 100

86 62.4 45.7 84.9

49 116.9 87.7 162.9

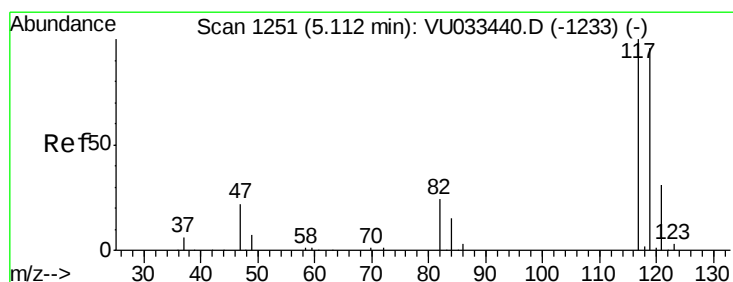
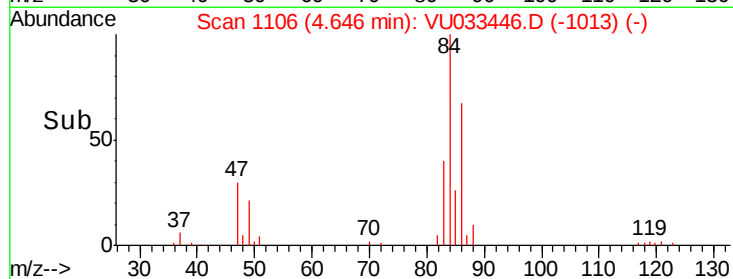
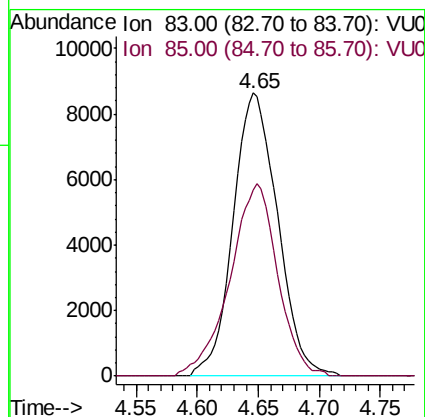
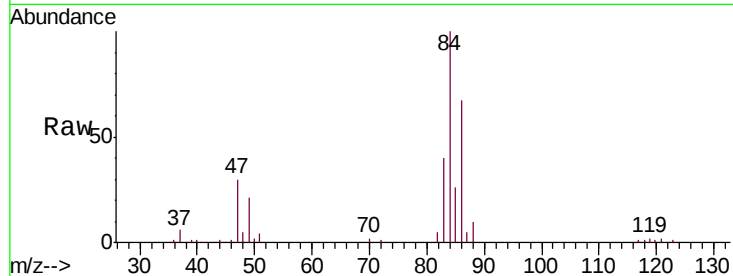




#25
Chloroform
Concen: 6.279 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033446.D
Acq: 26 Jul 2019 12:29

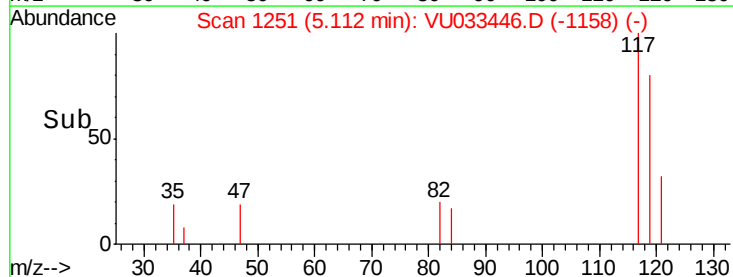
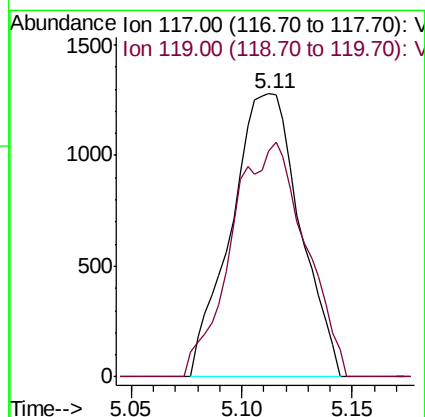
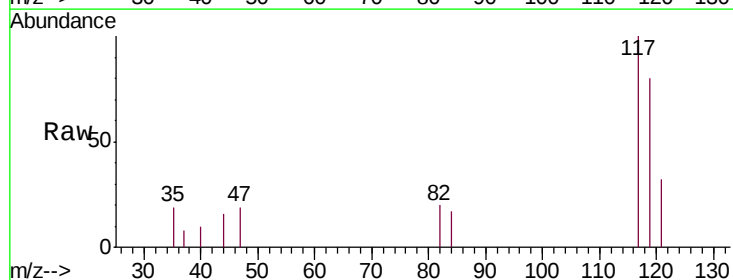
Instrument :
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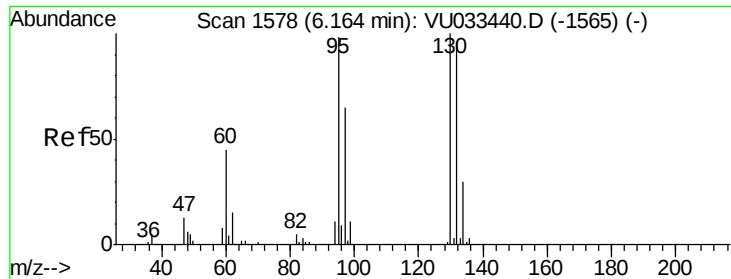
Tgt Ion: 83 Resp: 21909
Ion Ratio Lower Upper
83 100
85 65.6 45.4 84.4



#31
Carbon tetrachloride
Concen: 1.053 ug/L
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU033446.D
Acq: 26 Jul 2019 12:29

Tgt Ion: 117 Resp: 2775
Ion Ratio Lower Upper
117 100
119 34.5 76.9 115.3#





#34

Trichloroethene

Concen: 3.970 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033446.D

Acq: 26 Jul 2019 12:29

Instrument :

MSVOA_U

ClientSampleId :

C0CB7

Tgt Ion: 95 Resp: 7819

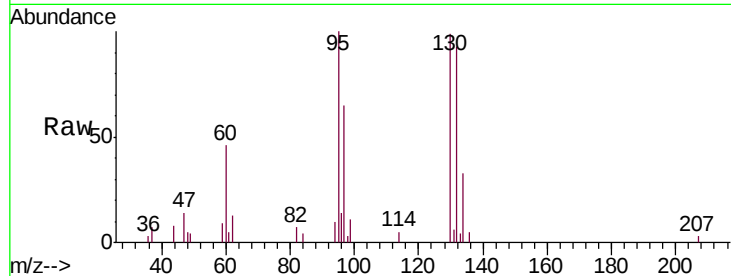
Ion Ratio Lower Upper

95 100

97 64.9 43.8 81.4

132 92.8 65.5 121.6

130 98.8 69.7 129.5

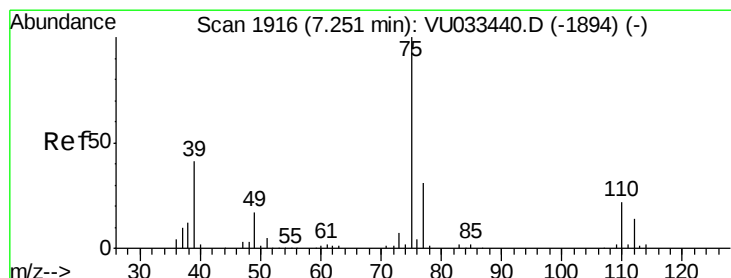
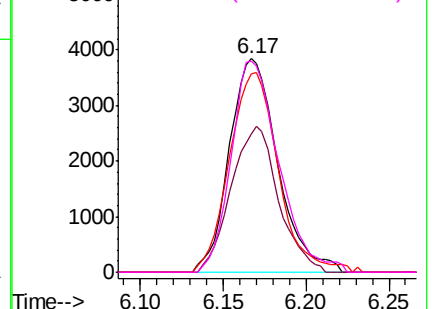
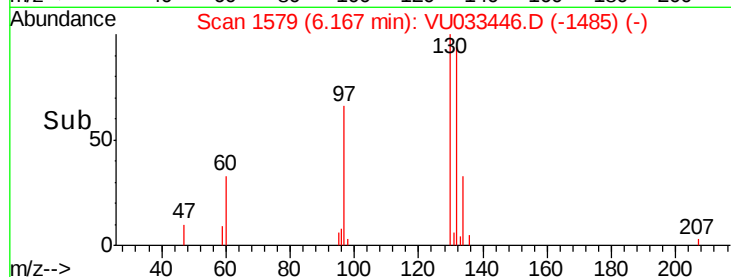


Abundance Ion 95.00 (94.70 to 95.70): VU033446.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VU033446.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VU033446.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VU033446.D (-1485) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.978 ug/L

RT: 7.21 min Scan# 1904

Delta R.T. -0.04 min

Lab File: VU033446.D

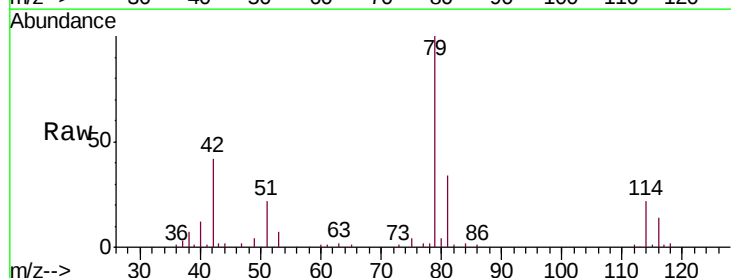
Acq: 26 Jul 2019 12:29

Tgt Ion: 75 Resp: 3064

Ion Ratio Lower Upper

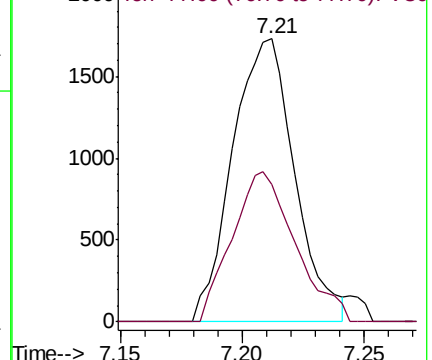
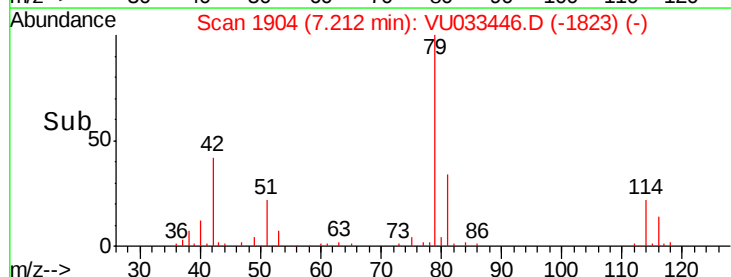
75 100

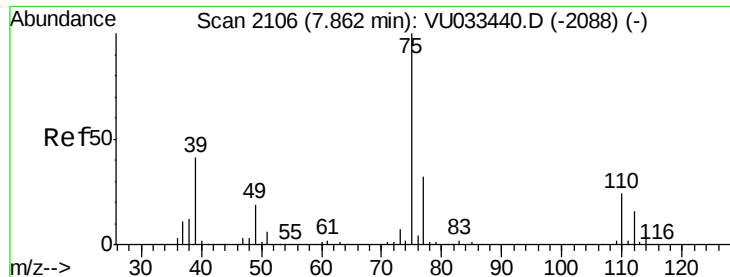
77 48.7 23.1 42.9#



Abundance Ion 75.00 (74.70 to 75.70): VU033446.D (-1823) (-)

Ion 77.00 (76.70 to 77.70): VU033446.D (-1823) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.871 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.03 min

Lab File: VU033446.D

Acq: 26 Jul 2019 12:29

Instrument :

MSVOA_U

ClientSampleId :

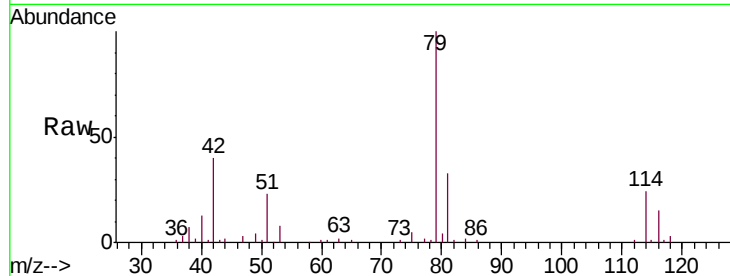
C0CB7

Tgt Ion: 75 Resp: 2461

Ion Ratio Lower Upper

75 100

77 37.9 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU033446.D (-2106) (-)

Ion 77.00 (76.70 to 77.70): VU033446.D (-2106) (-)

7.83

1500

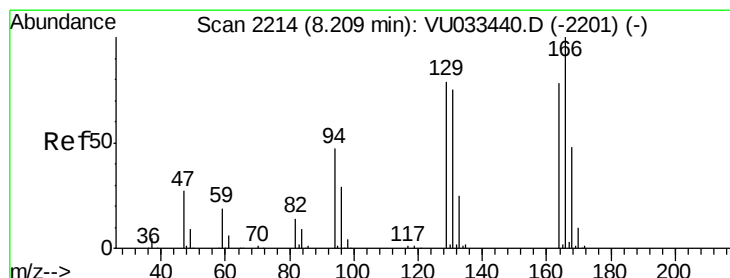
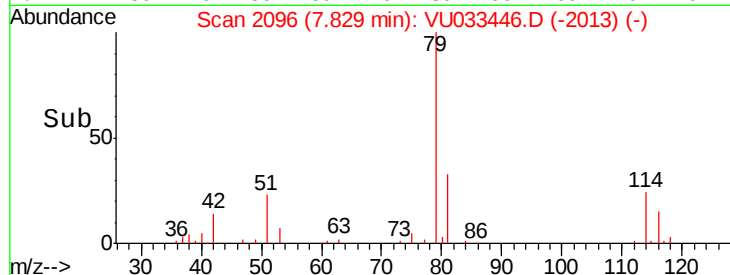
1000

500

0

7.80 7.85

Time-->



#46

Tetrachloroethene

Concen: 54.537 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033446.D

Acq: 26 Jul 2019 12:29

Tgt Ion: 164 Resp: 83149

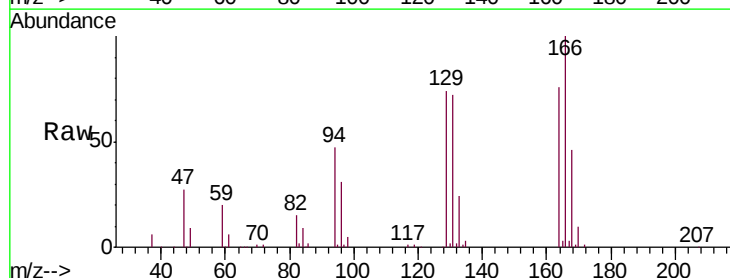
Ion Ratio Lower Upper

164 100

129 97.5 69.6 129.2

131 94.4 65.7 122.1

166 131.5 88.5 164.4



Abundance Ion 164.00 (163.70 to 164.70): VU033446.D (-2214) (-)

Ion 129.00 (128.70 to 129.70): VU033446.D (-2214) (-)

Ion 131.00 (130.70 to 131.70): VU033446.D (-2214) (-)

Ion 166.00 (165.70 to 166.70): VU033446.D (-2214) (-)

8.21

100000

80000

60000

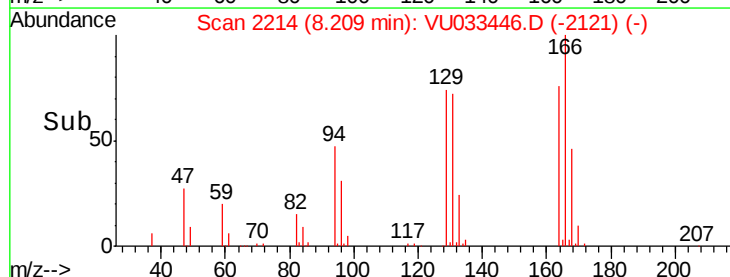
40000

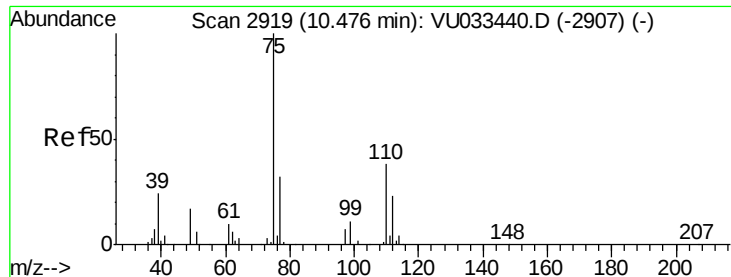
20000

0

8.15 8.20 8.25 8.30

Time-->





#59

1,2,3-Trichloropropane

Concen: 4.860 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033446.D

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Instrument :

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Tgt Ion: 75 Resp: 12921

Ion Ratio Lower Upper

75 100

77 38.9 26.0 39.0

