

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028879.D
 Acq On : 21 Dec 2018 17:25
 Operator : MD/SY
 Sample : J6506-20RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 21 23:32:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 23:27:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	193235	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	178876	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	74140	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54049	34.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.78%
7) Chloroethane-d5	1.67	69	45719	38.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.42%
11) 1,1-Dichloroethene-d2	2.27	63	73300	28.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.28%#
21) 2-Butanone-d5	4.18	46	117235	108.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.01%
24) Chloroform-d	4.65	84	104471	42.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.78%
26) 1,2-Dichloroethane-d4	5.31	65	67826	45.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.34%
32) Benzene-d6	5.34	84	221830	43.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.33	67	80758	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.08%
41) Toluene-d8	7.57	98	188668	41.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	7.85	79	33291	43.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.56%
47) 2-Hexanone-d5	8.31	63	91346	112.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.03%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	115884	48.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	71303	47.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.10%

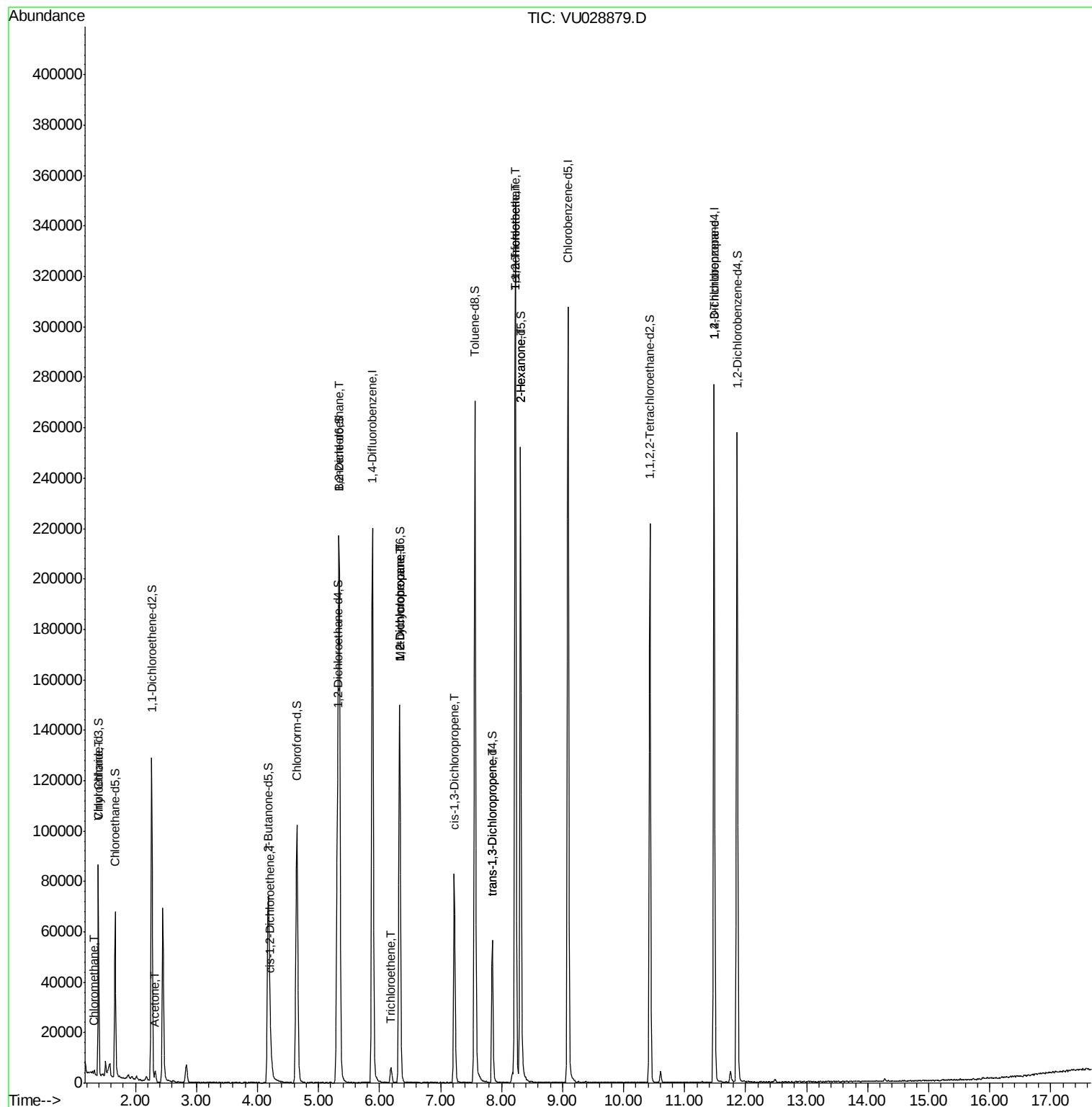
Target Compounds

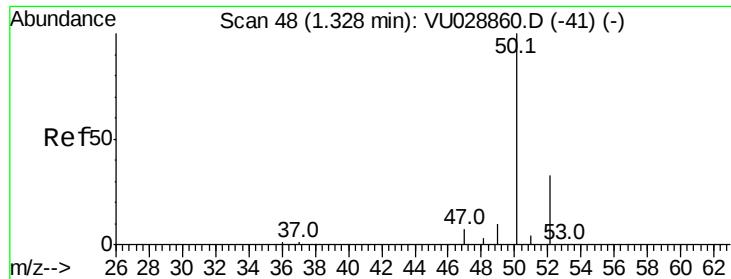
					Ovalue
3) Chloromethane	1.33	50	1418	0.662 ug/L	99
8) Chloroethane	1.40	64	774	0.716 ug/L #	1
13) Acetone	2.32	43	3662	3.311 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	1374	0.904 ug/L	77
27) 1,2-Dichloroethane	5.34	62	1012	0.548 ug/L #	74
34) Trichloroethene	6.19	95	2338	1.701 ug/L	94
35) Methylcyclohexane	6.33	83	16574	7.238 ug/L #	17
37) 1,2-Dichloropropane	6.33	63	7619	4.786 ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1697	0.748 ug/L #	38
44) trans-1,3-Dichloropropene	7.85	75	1214	0.600 ug/L	98
45) 1,1,2-Trichloroethane	8.23	97	544	0.400 ug/L #	1
46) Tetrachloroethene	8.23	164	83330	78.697 ug/L	97
48) 2-Hexanone	8.31	43	9667	5.505 ug/L #	65
59) 1,2,3-Trichloropropane	11.48	75	8967	4.720 ug/L	95

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

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#3

Chloromethane

Concen: 0.662 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028879.D

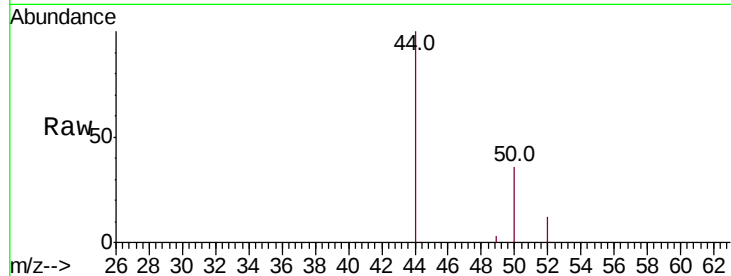
Acq: 21 Dec 2018 17:25

Tot Ion: 50 Resp: 1418

Ion Ratio Lower Upper

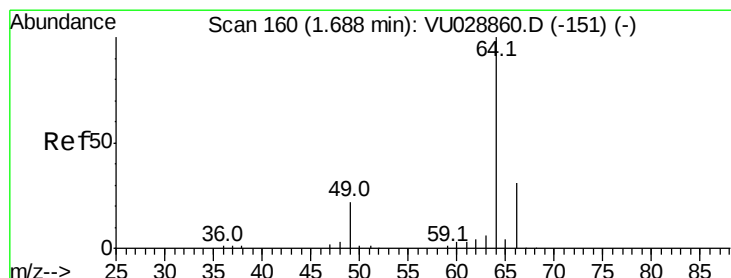
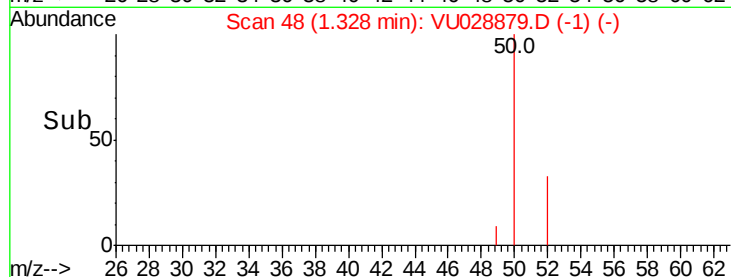
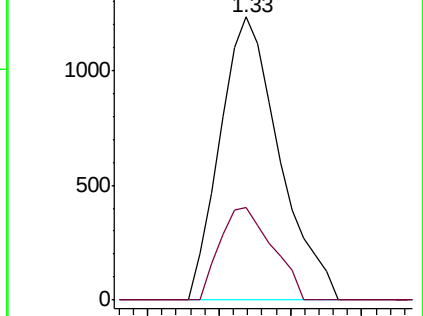
50 100

52 32.6 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#8

Chloroethane

Concen: 0.716 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028879.D

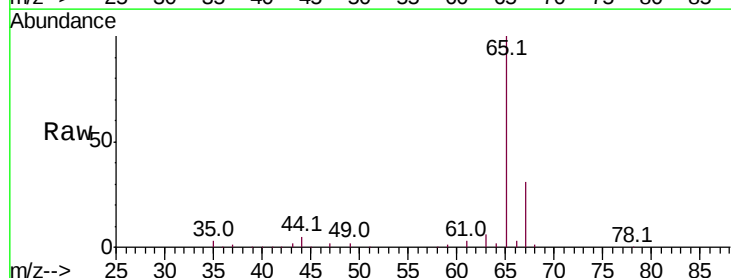
Acq: 21 Dec 2018 17:25

Tgt Ion: 64 Resp: 774

Ion Ratio Lower Upper

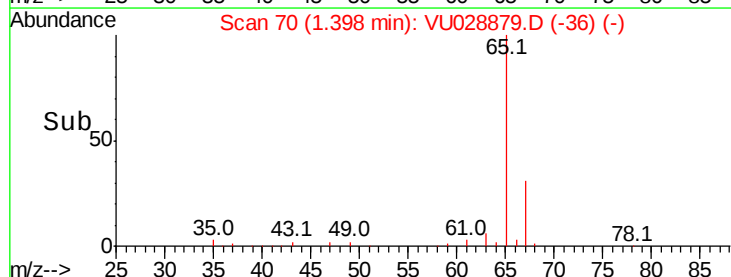
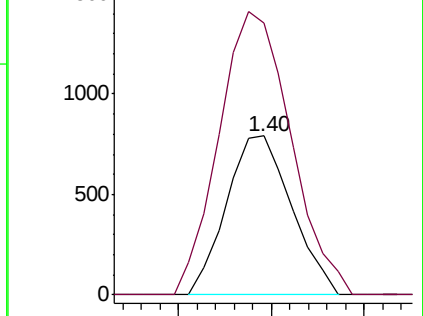
64 100

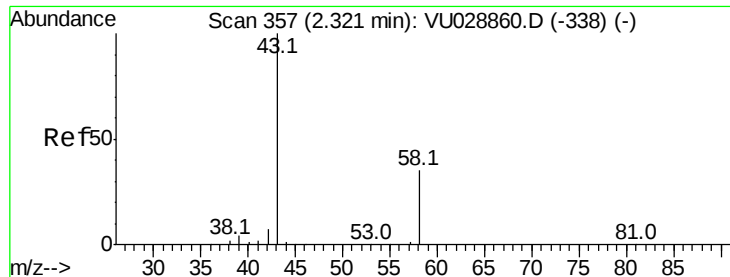
66 171.3 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#13

Acetone

Concen: 3.311 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028879.D

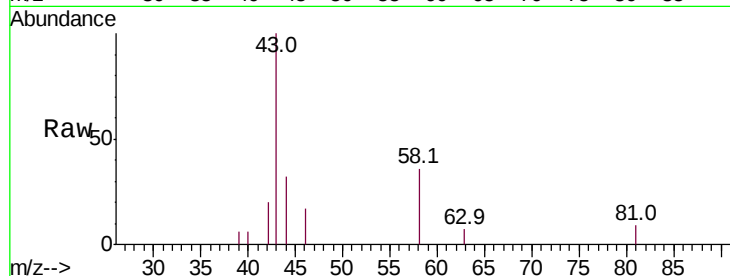
Acq: 21 Dec 2018 17:25

Tot Ion: 43 Resp: 3662

Ion Ratio Lower Upper

43 100

58 34.0 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU028860.D (-338) (-)

Ion 58.00 (57.70 to 58.70): VU028860.D (-338) (-)

2.32

2000

1500

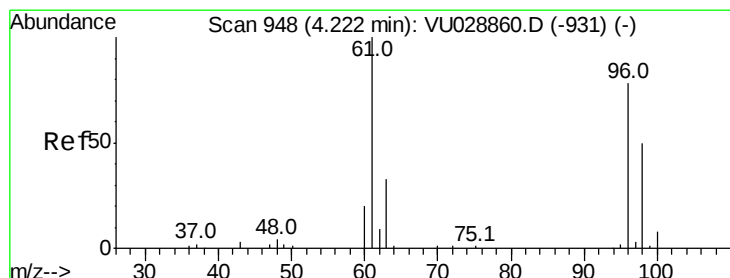
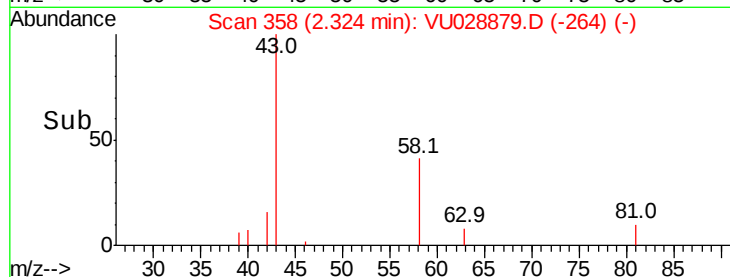
1000

500

0

2.30 2.35

Time-->



#20

cis-1,2-Dichloroethene

Concen: 0.904 ug/L

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028879.D

Acq: 21 Dec 2018 17:25

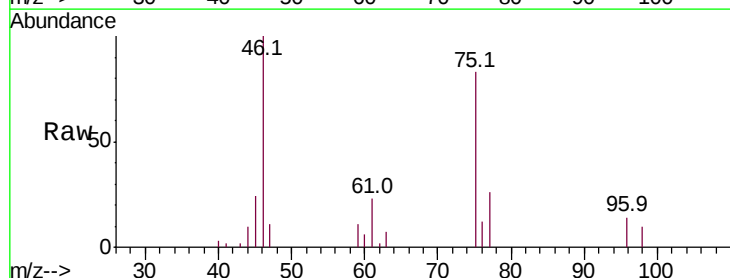
Tgt Ion: 96 Resp: 1374

Ion Ratio Lower Upper

96 100

61 158.9 92.1 171.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU028860.D (-931) (-)

Ion 61.00 (60.70 to 61.70): VU028860.D (-931) (-)

Ion 68.00 (67.70 to 68.70): VU028860.D (-931) (-)

1500

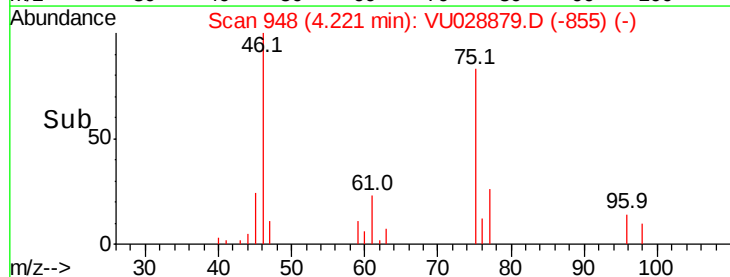
1000

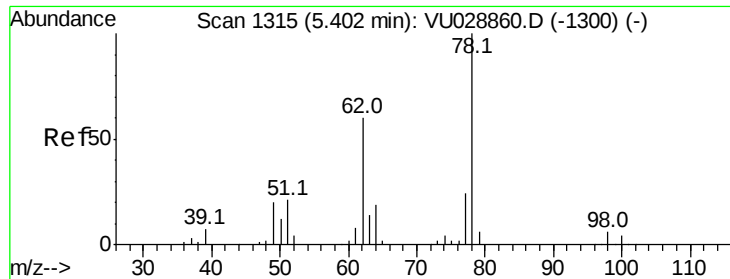
500

0

4.18 4.20 4.22 4.24

Time-->





#27

1,2-Dichloroethane

Concen: 0.548 ug/L

RT: 5.34 min Scan# 1295

Delta R.T. -0.06 min

Lab File: VU028879.D

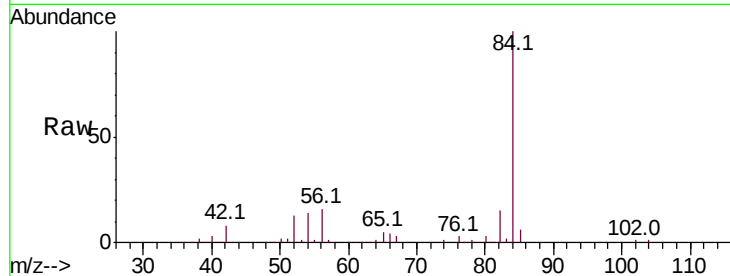
Acq: 21 Dec 2018 17:25

Tot Ion: 62 Resp: 1012

Ion Ratio Lower Upper

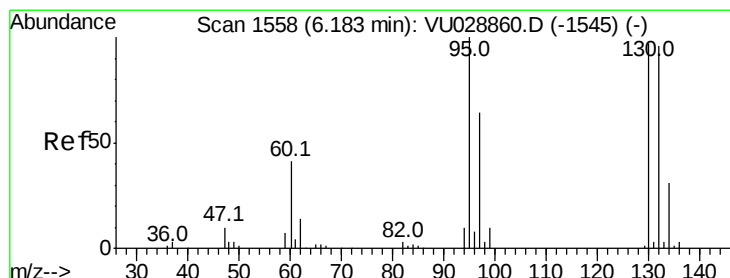
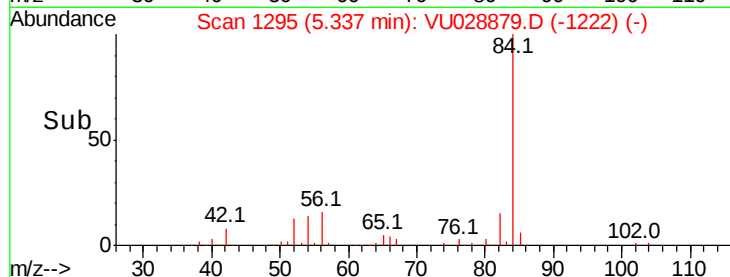
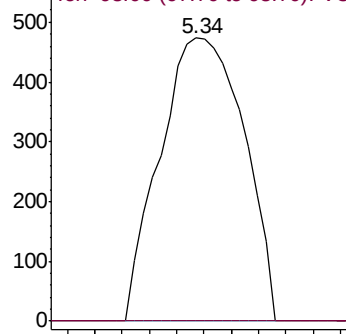
62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#34

Trichloroethene

Concen: 1.701 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028879.D

Acq: 21 Dec 2018 17:25

Tgt Ion: 95 Resp: 2338

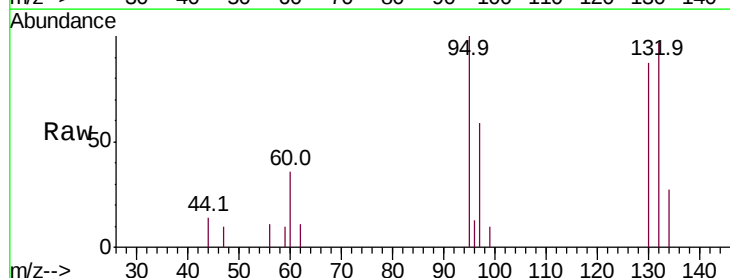
Ion Ratio Lower Upper

95 100

97 59.4 43.3 80.3

132 96.9 64.2 119.2

130 86.7 67.1 124.7

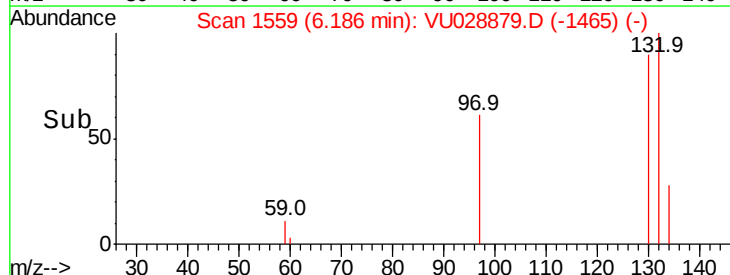
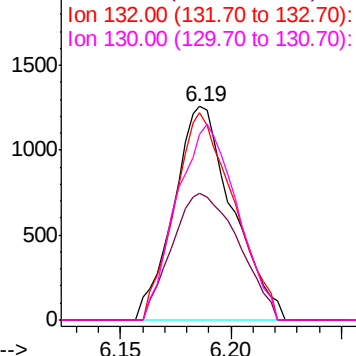


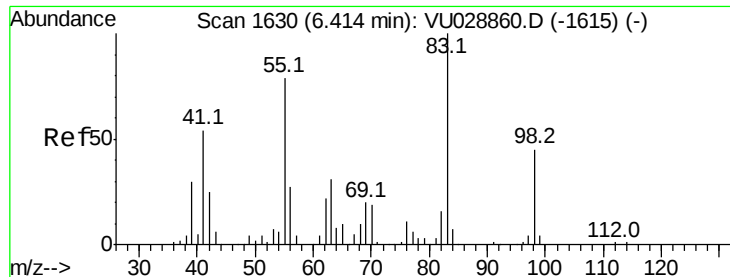
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methvlcvclohexane

Concen: 7.238 ug/L

RT: 6.33 min Scan# 1604

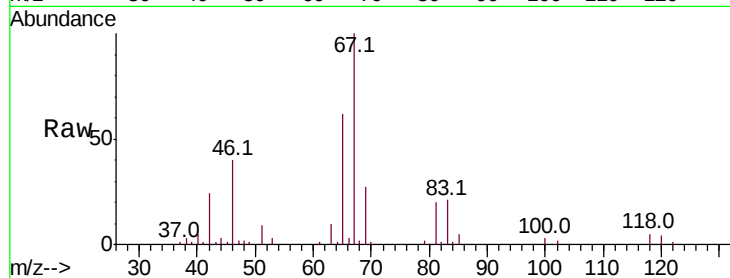
Delta R.T. -0.08 min

Lab File: VU028879.D

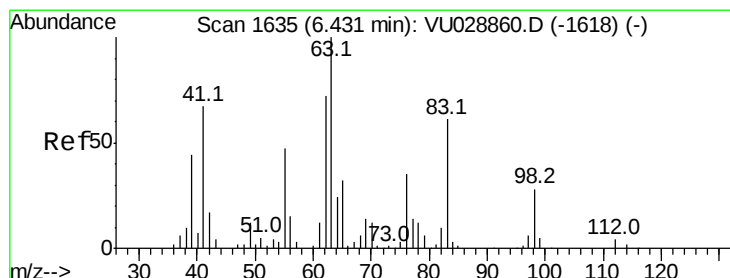
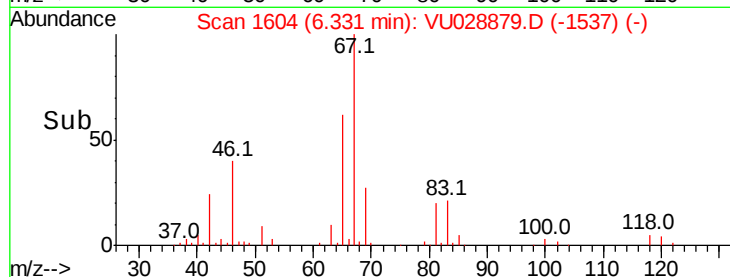
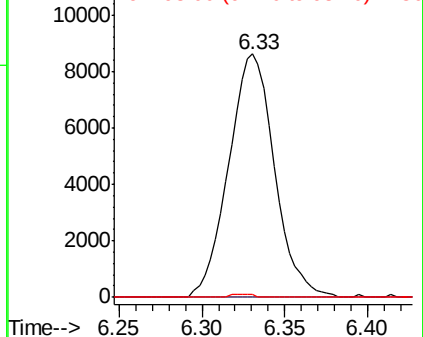
Acq: 21 Dec 2018 17:25

Tot Ion: 83 Resp: 16574

Ion	Ratio	Lower	Upper
83	100		
55	0.0	63.7	95.5#
98	0.0	35.6	53.4#



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: 4.786 ug/L

RT: 6.33 min Scan# 1604

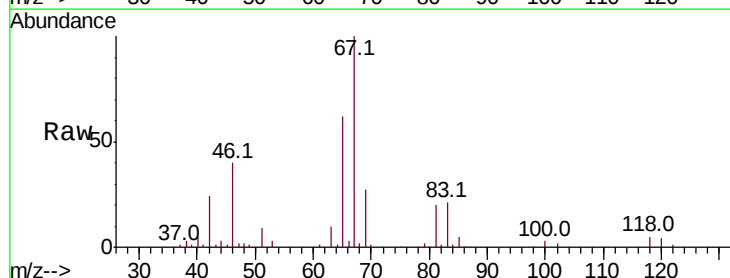
Delta R.T. -0.10 min

Lab File: VU028879.D

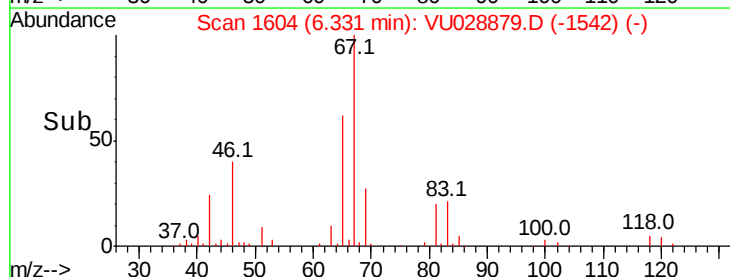
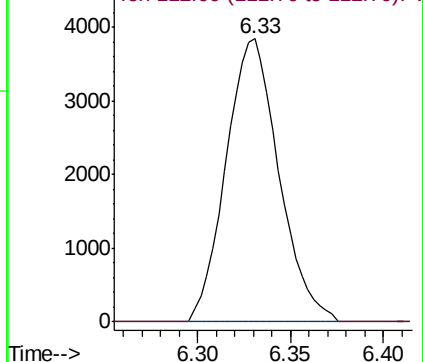
Acq: 21 Dec 2018 17:25

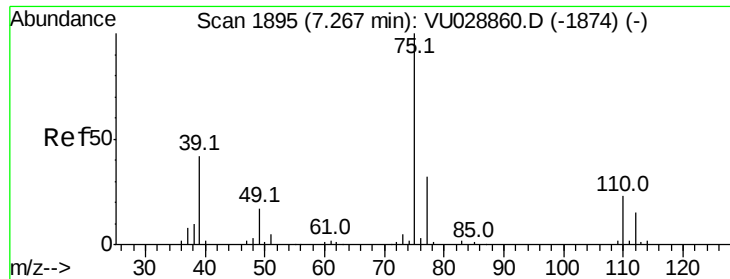
Tgt Ion: 63 Resp: 7619

Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.7	4.1#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 0.748 ug/L

RT: 7.22 min Scan# 1882

Delta R.T. -0.04 min

Lab File: VU028879.D

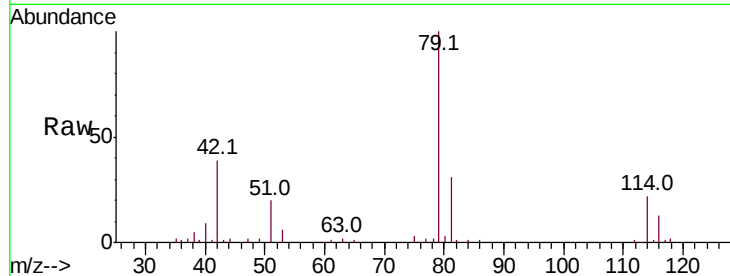
Acq: 21 Dec 2018 17:25

Tot Ion: 75 Resp: 1697

Ion Ratio Lower Upper

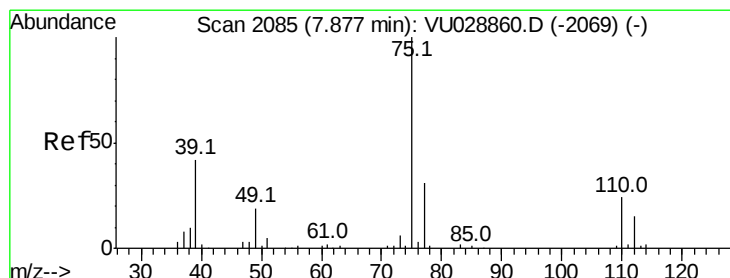
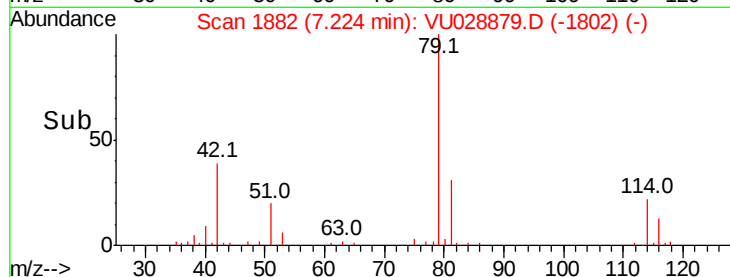
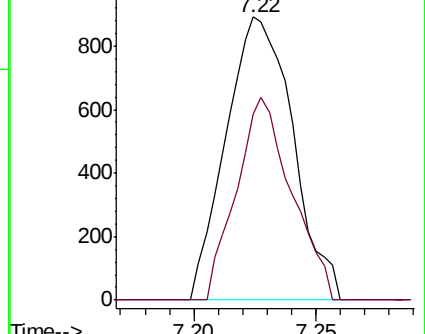
75 100

77 65.6 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.600 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028879.D

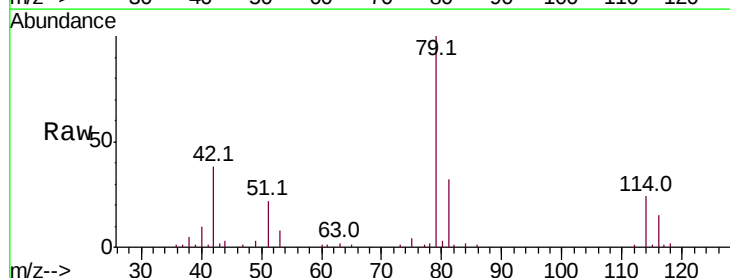
Acq: 21 Dec 2018 17:25

Tgt Ion: 75 Resp: 1214

Ion Ratio Lower Upper

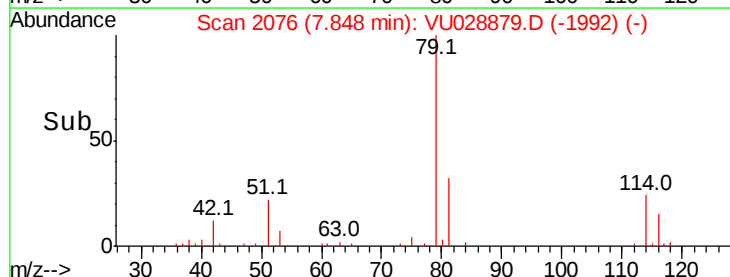
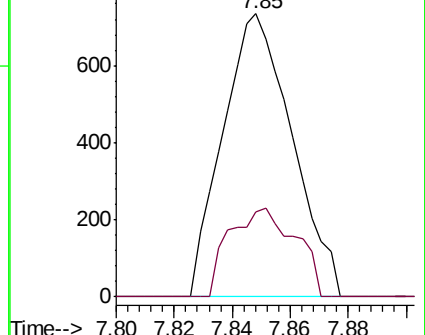
75 100

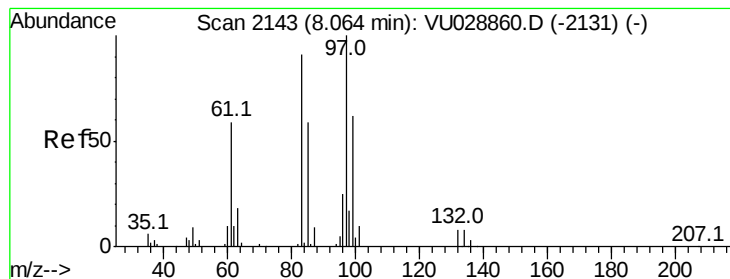
77 30.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 0.400 ug/L

RT: 8.23 min Scan# 2194

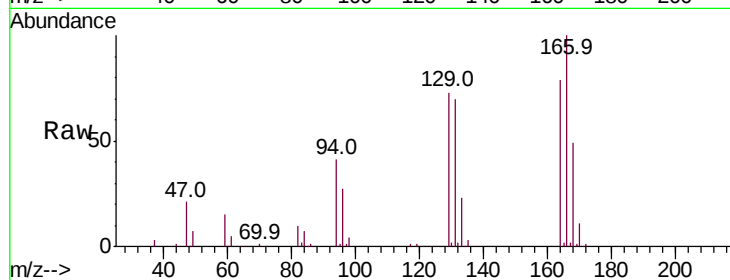
Delta R.T. 0.16 min

Lab File: VU028879.D

Acq: 21 Dec 2018 17:25

Tot Ion: 97 Resp: 544

Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.2	82.2#
83	381.4	64.5	119.9#
85	41.8	40.9	75.9

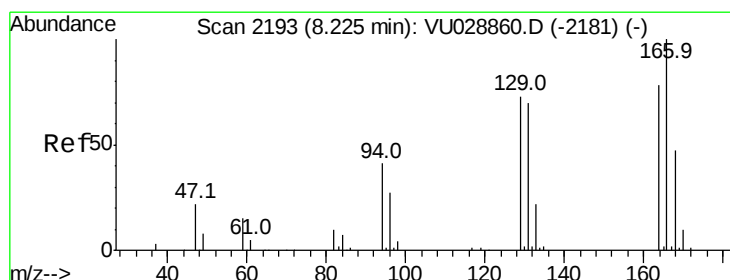
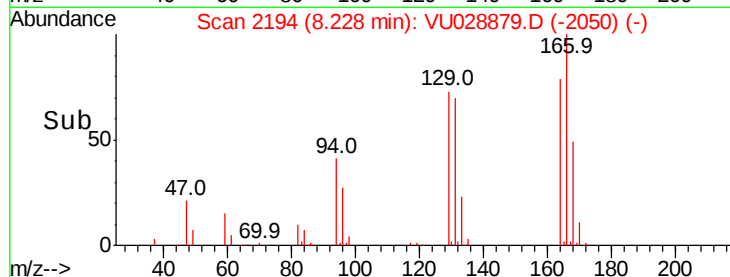
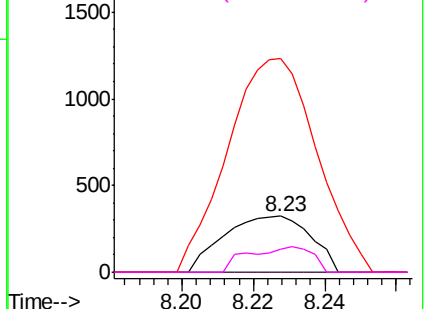


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 78.697 ug/L

RT: 8.23 min Scan# 2194

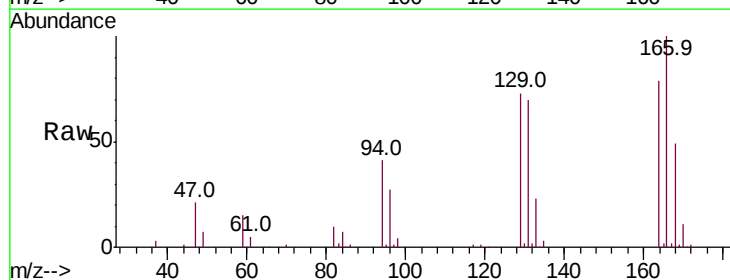
Delta R.T. 0.00 min

Lab File: VU028879.D

Acq: 21 Dec 2018 17:25

Tgt Ion: 164 Resp: 83330

Ion	Ratio	Lower	Upper
164	100		
129	92.0	66.8	124.0
131	88.8	64.2	119.2
166	126.5	90.8	168.6

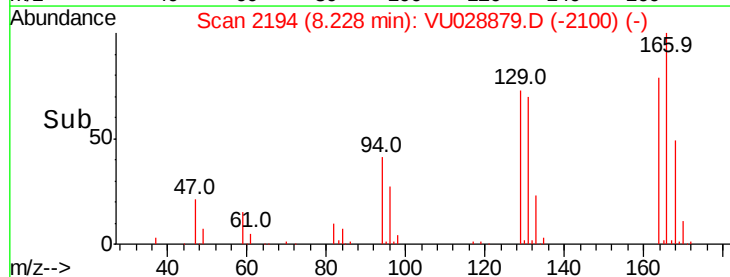
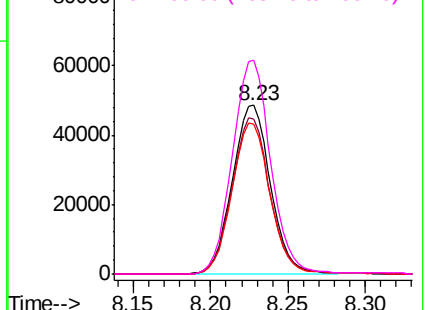


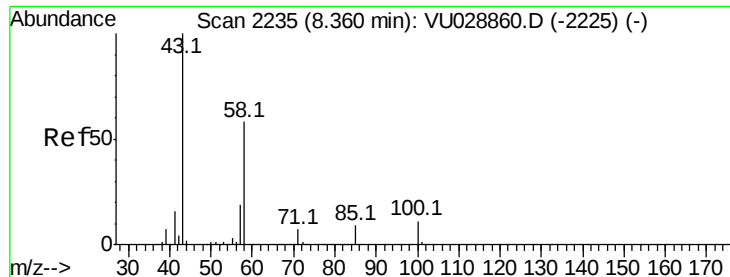
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

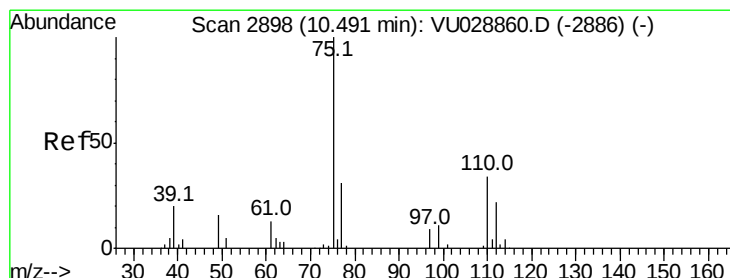
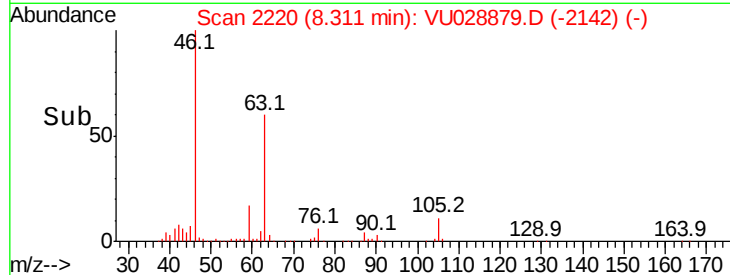
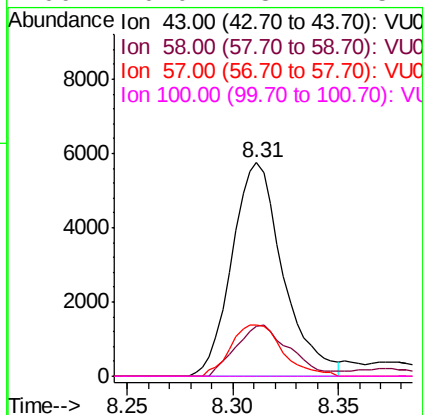
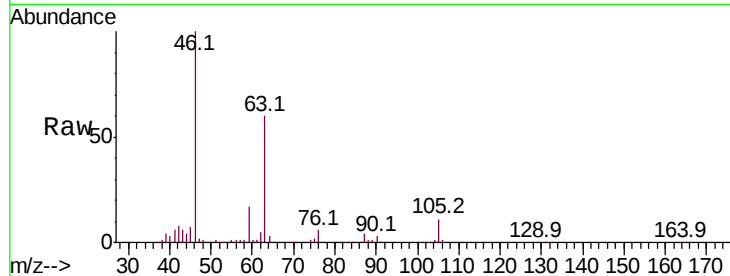
Ion 166.00 (165.70 to 166.70): V





#48
 2-Hexanone
 Concen: 5.505 ug/L
 RT: 8.31 min Scan# 2220
 Delta R.T. -0.05 min
 Lab File: VU028879.D
 Acq: 21 Dec 2018 17:25

Tot Ion:	43	Resp:	9667
Ion	Ratio	Lower	Upper
43	100		
58	25.1	45.9	68.9#
57	24.2	15.0	22.4#
100	0.0	8.7	13.1#



#59
 1,2,3-Trichloropropane
 Concen: 4.720 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028879.D
 Acq: 21 Dec 2018 17:25

Tgt Ion:	75	Resp:	8967
Ion	Ratio	Lower	Upper
75	100		
77	34.8	25.5	38.3

