

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121819\
 Data File : VU036271.D
 Acq On : 18 Dec 2019 14:22
 Operator : JC/MD
 Sample : K6275-20DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 00:53:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 19 00:50:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	247874	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	269530	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	103018	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	130721	5.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.80%
7) Chloroethane-d5	1.93	69	109733	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.20%
11) 1,1-Dichloroethene-d2	2.59	63	125157	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	4.69	46	187860	45.94	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.88%
24) Chloroform-d	5.11	84	172240	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.75	65	89177	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.77	84	326383	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.73	67	104975	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.93	98	260138	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
43) trans-1,3-Dichloropropene-	8.21	79	39209	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.67	63	152019	45.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.52%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	88074	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	96002	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

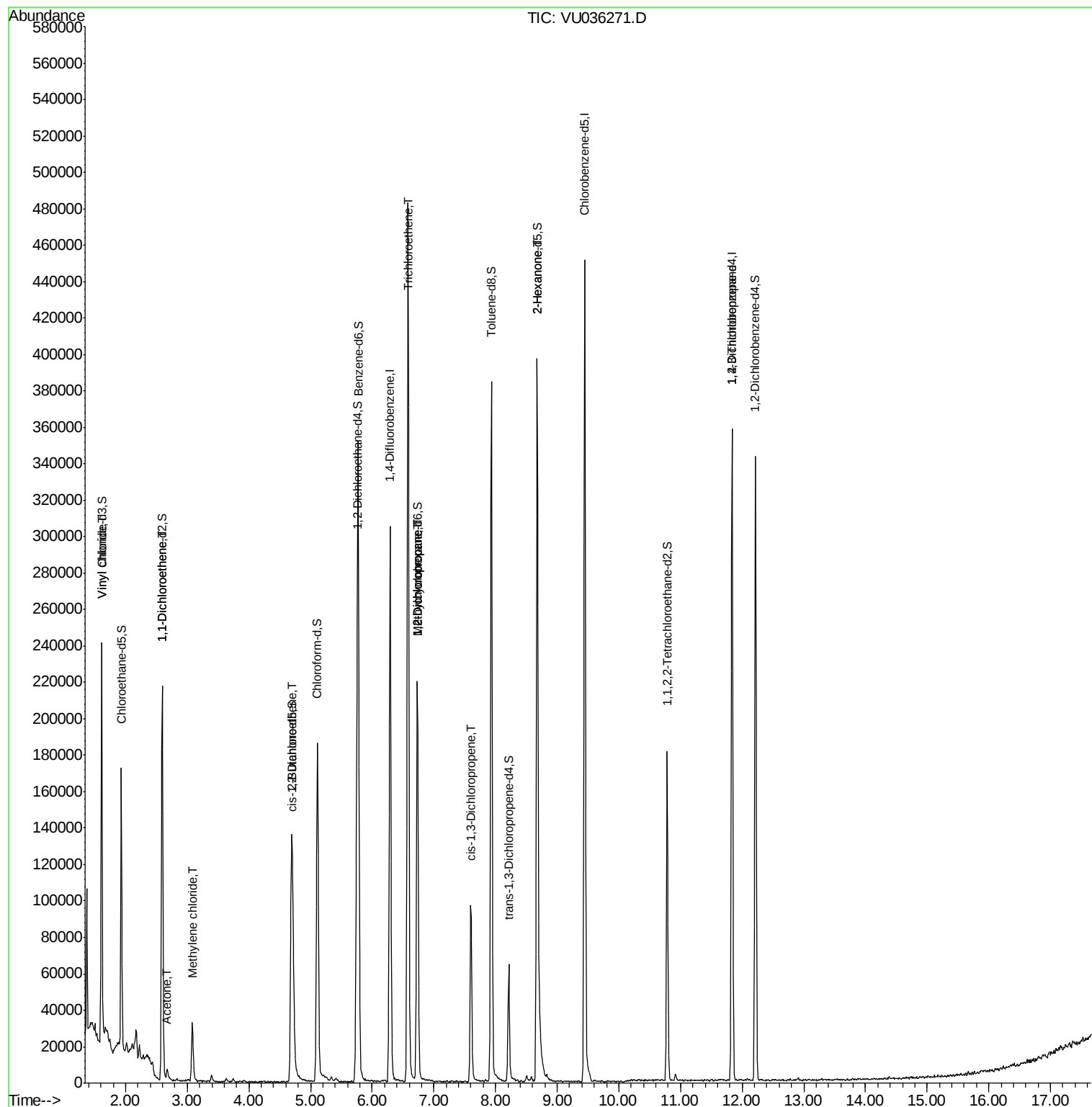
Target Compounds

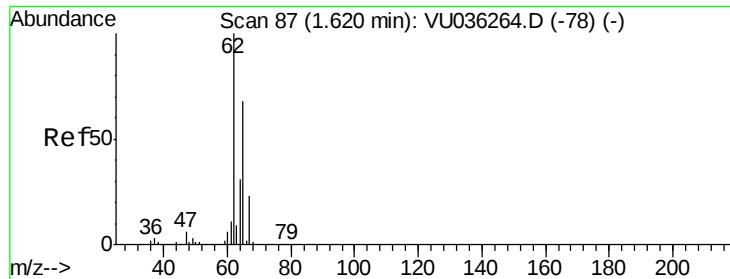
					Ovalue
5) Vinyl chloride	1.62	62	4063	0.123 ug/L #	46
12) 1,1-Dichloroethene	2.60	96	2129	0.116 ug/L #	1
13) Acetone	2.67	43	7552	2.119 ug/L	96
16) Methylene chloride	3.08	84	14763	0.546 ug/L	91
22) cis-1,2-Dichloroethene	4.72	96	22630	1.095 ug/L	95
34) Trichloroethene	6.58	95	165194	7.735 ug/L	97
35) Methylcyclohexane	6.73	83	25693	0.846 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	12151	0.575 ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2443	0.085 ug/L #	58
48) 2-Hexanone	8.67	43	18934	2.295 ug/L #	68
59) 1,2,3-Trichloropropane	11.83	75	11404	0.812 ug/L	99

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

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QLast Update : Thu Dec 19 00:50:55 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.123 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036271.D

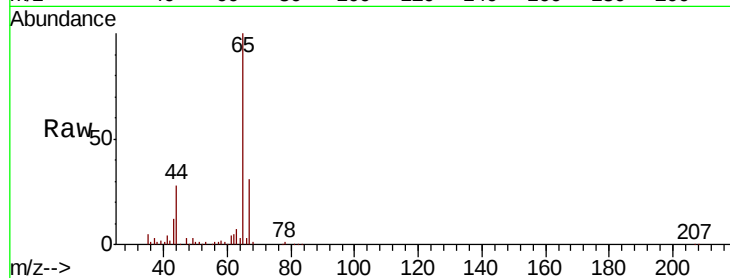
Acq: 18 Dec 2019 14:22

Tot Ion: 62 Resp: 4063

Ion Ratio Lower Upper

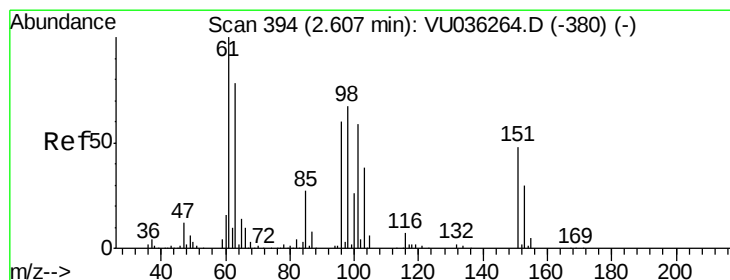
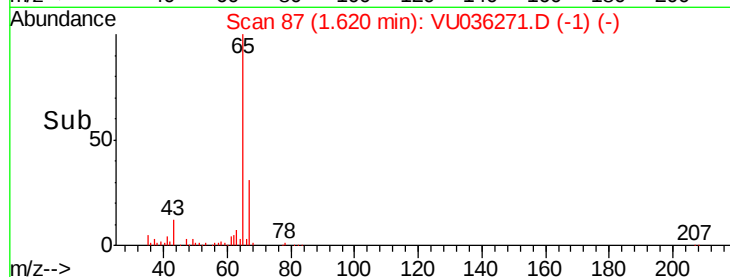
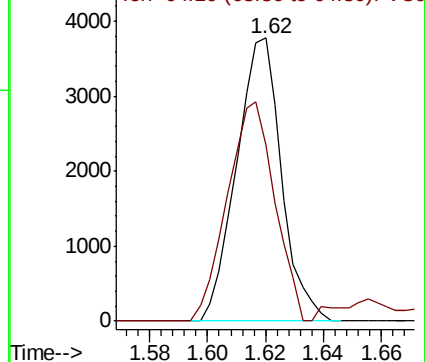
62 100

64 62.3 22.4 41.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.116 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU036271.D

Acq: 18 Dec 2019 14:22

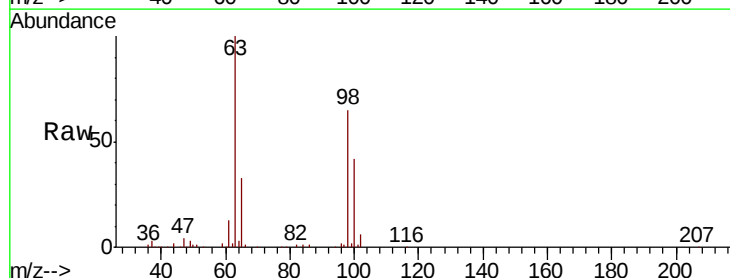
Tgt Ion: 96 Resp: 2129

Ion Ratio Lower Upper

96 100

61 664.9 114.0 211.8#

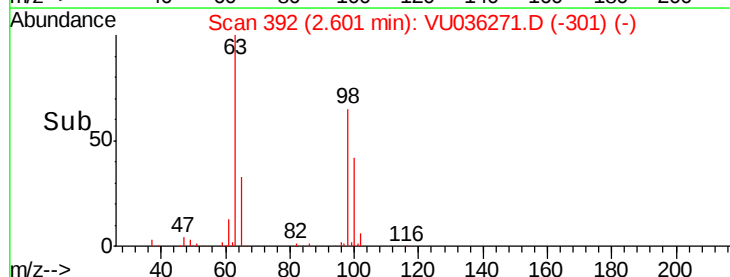
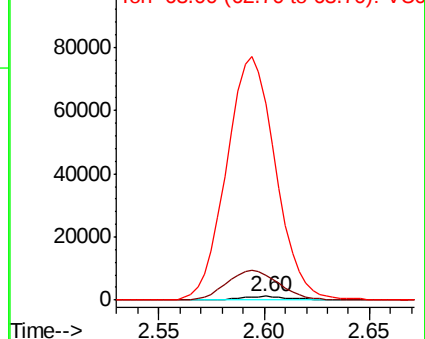
63 5221.1 63.6 118.0#

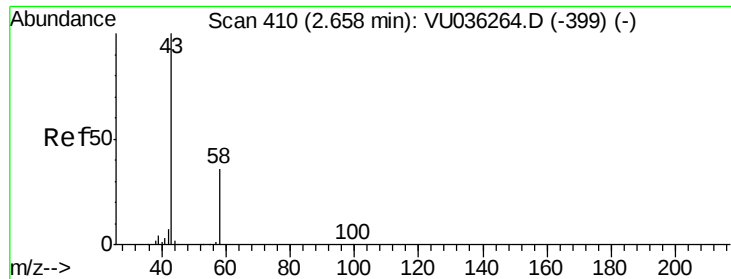


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.119 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.02 min

Lab File: VU036271.D

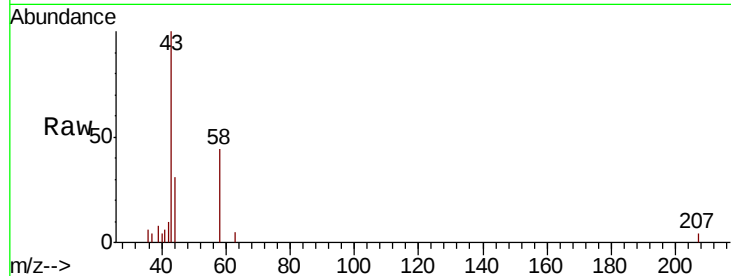
Acq: 18 Dec 2019 14:22

Tot Ion: 43 Resp: 7552

Ion Ratio Lower Upper

43 100

58 36.2 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036271.D (-415) (-)

Ion 58.05 (57.75 to 58.75): VU036271.D (-415) (-)

2.67

3000

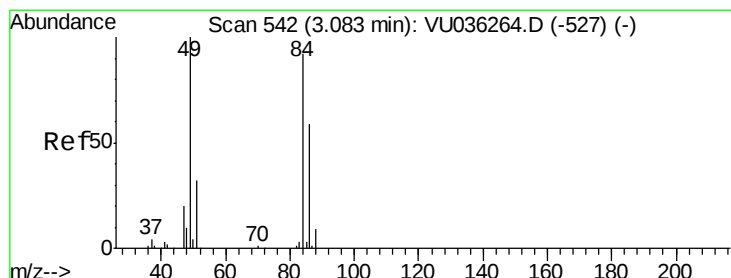
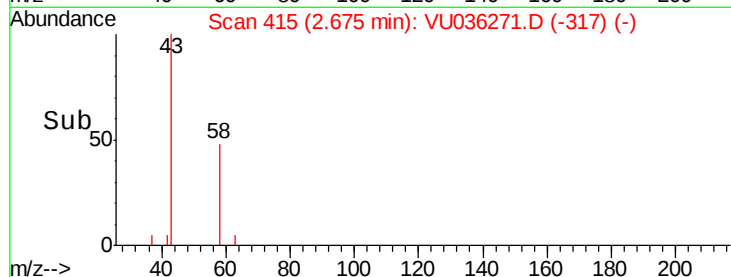
2000

1000

0

Time-->

2.60 2.65 2.70 2.75



#16

Methylene chloride

Concen: 0.546 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036271.D

Acq: 18 Dec 2019 14:22

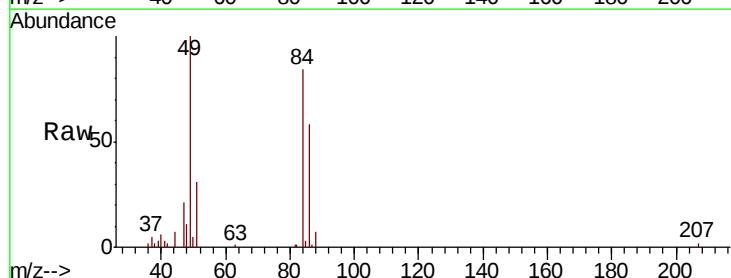
Tgt Ion: 84 Resp: 14763

Ion Ratio Lower Upper

84 100

86 68.9 43.0 79.8

49 119.1 77.3 143.5



Abundance Ion 84.05 (83.75 to 84.75): VU036271.D (-542) (-)

Ion 86.00 (85.70 to 86.70): VU036271.D (-542) (-)

Ion 49.10 (48.80 to 49.80): VU036271.D (-542) (-)

3.08

12000

10000

8000

6000

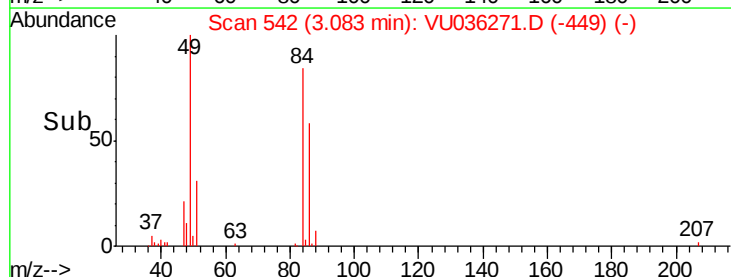
4000

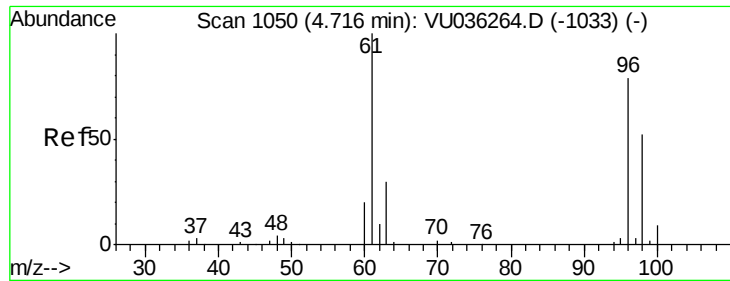
2000

0

Time-->

3.00 3.05 3.10 3.15





#22

cis-1,2-Dichloroethene

Concen: 1.095 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036271.D

Acq: 18 Dec 2019 14:22

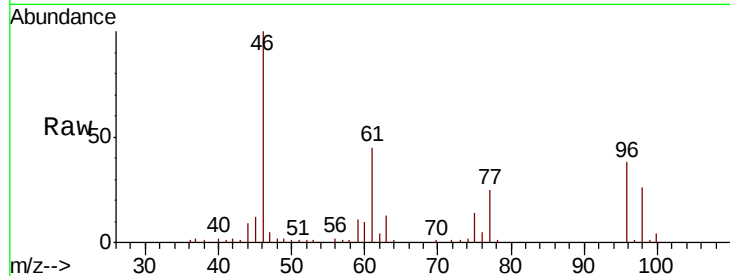
Tot Ion: 96 Resp: 22630

Ion Ratio Lower Upper

96 100

61 117.9 86.7 161.1

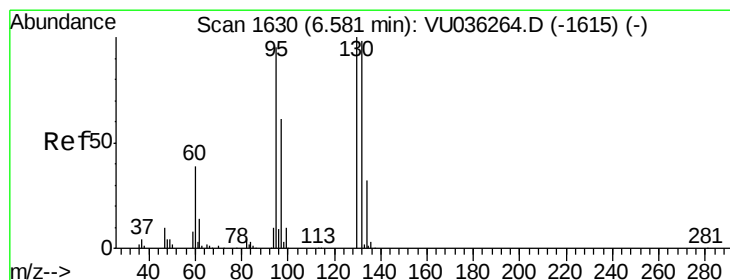
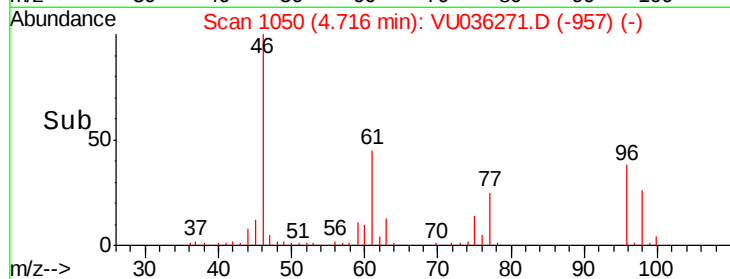
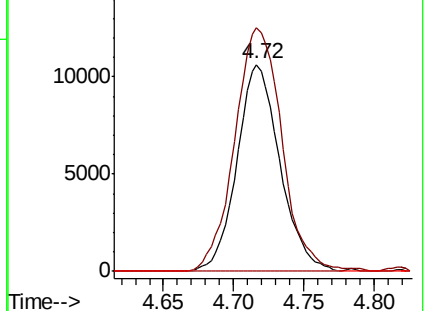
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036271.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036271.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036271.D (-957) (-)



#34

Trichloroethene

Concen: 7.735 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036271.D

Acq: 18 Dec 2019 14:22

Tgt Ion: 95 Resp: 165194

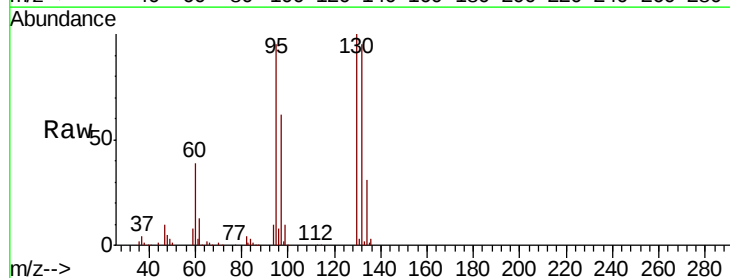
Ion Ratio Lower Upper

95 100

97 65.4 43.6 81.0

132 100.0 69.6 129.2

130 105.8 70.3 130.7

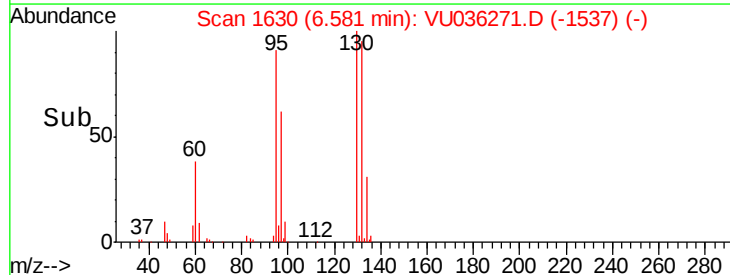
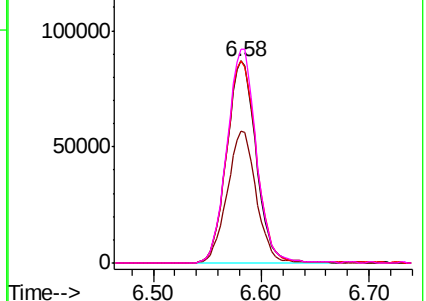


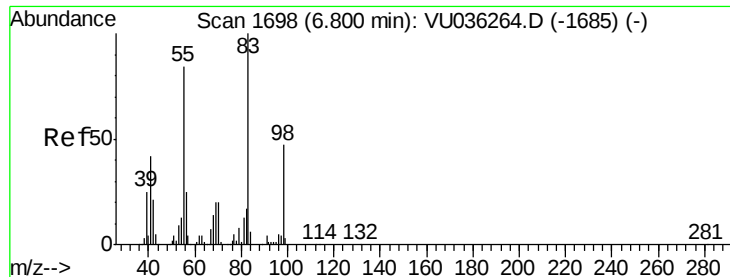
Abundance Ion 95.00 (94.70 to 95.70): VU036271.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU036271.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU036271.D (-1537) (-)

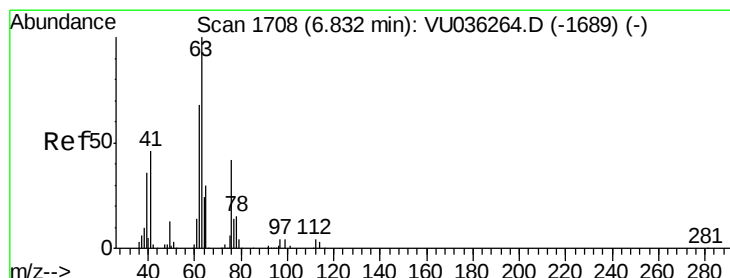
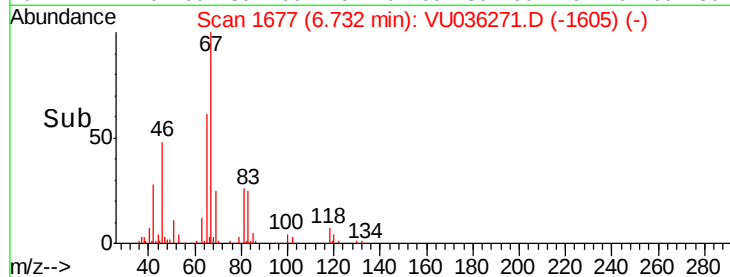
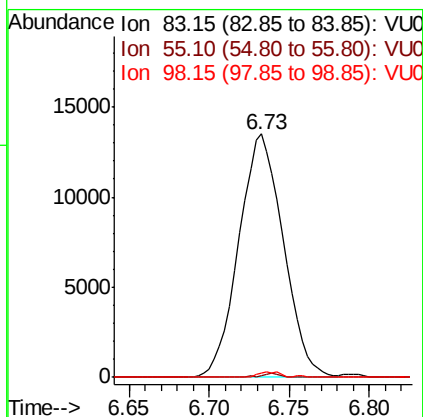
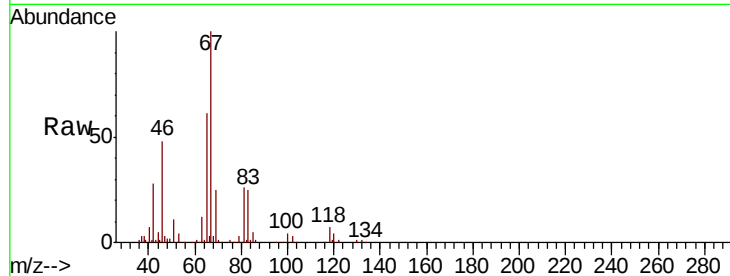
Ion 129.95 (129.65 to 130.65): VU036271.D (-1537) (-)





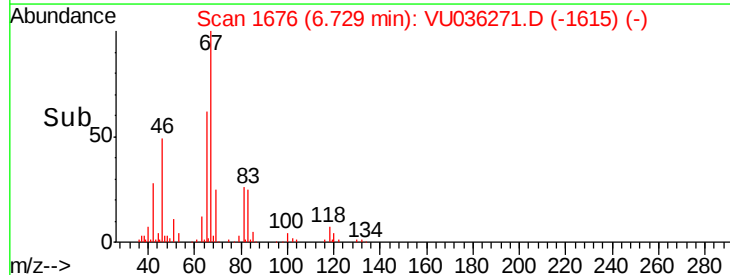
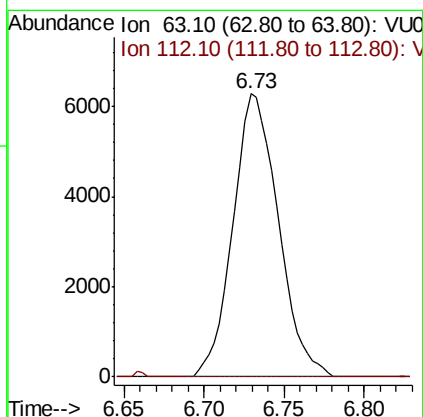
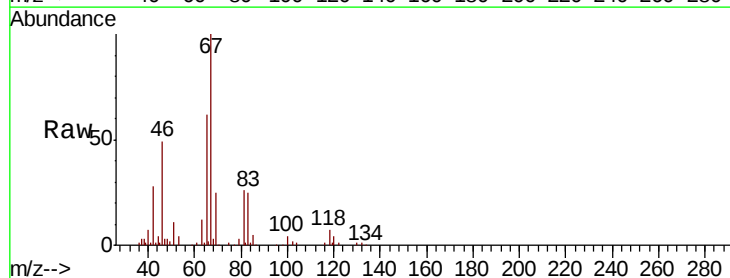
#35
Methylcyclohexane
Concen: 0.846 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036271.D
Acq: 18 Dec 2019 14:22

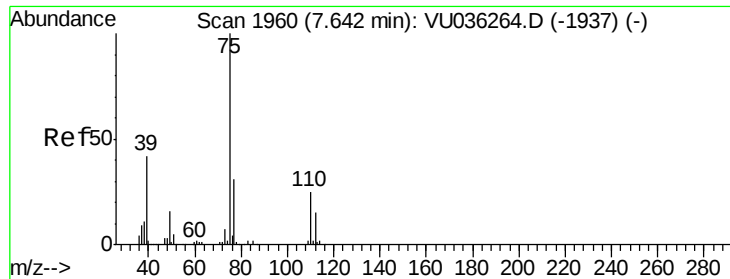
Tot Ion	Ratio	Lower	Upper
83	100		
55	0.7	62.6	94.0#
98	1.1	36.2	54.2#



#37
1,2-Dichloropropane
Concen: 0.575 ug/L
RT: 6.73 min Scan# 1676
Delta R.T. -0.10 min
Lab File: VU036271.D
Acq: 18 Dec 2019 14:22

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.3	3.8	5.8#





#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU036271.D

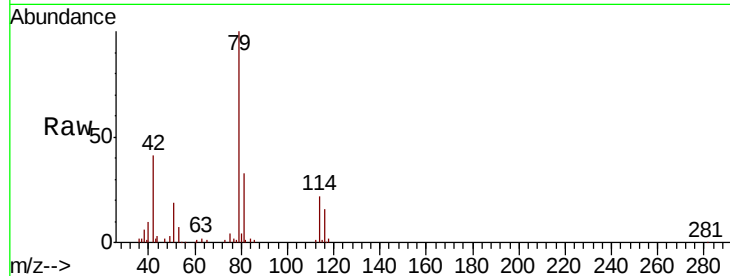
Acq: 18 Dec 2019 14:22

Tot Ion: 75 Resp: 2443

Ion Ratio Lower Upper

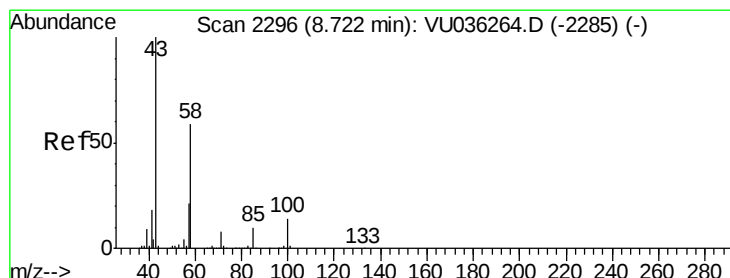
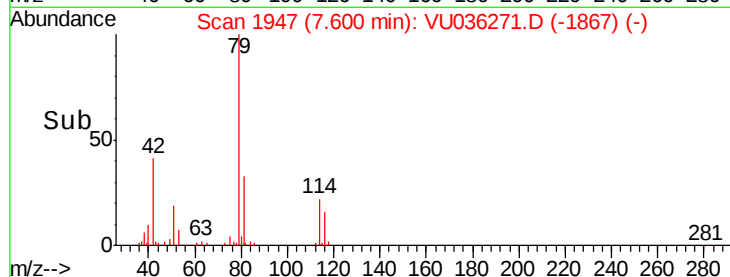
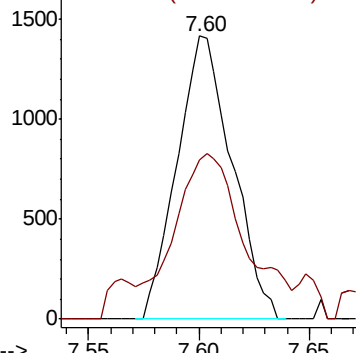
75 100

77 56.1 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 2.295 ug/L

RT: 8.67 min Scan# 2281

Delta R.T. -0.05 min

Lab File: VU036271.D

Acq: 18 Dec 2019 14:22

Tgt Ion: 43 Resp: 18934

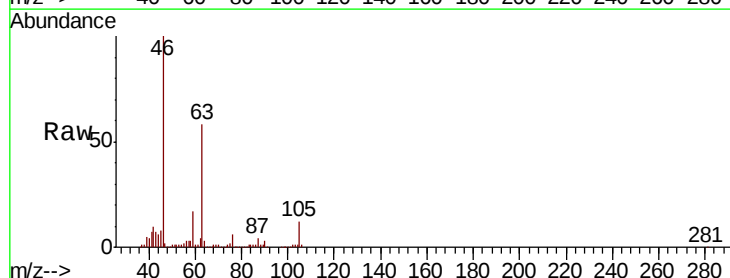
Ion Ratio Lower Upper

43 100

58 35.9 46.2 69.2#

57 40.4 16.2 24.4#

100 2.4 10.2 15.4#

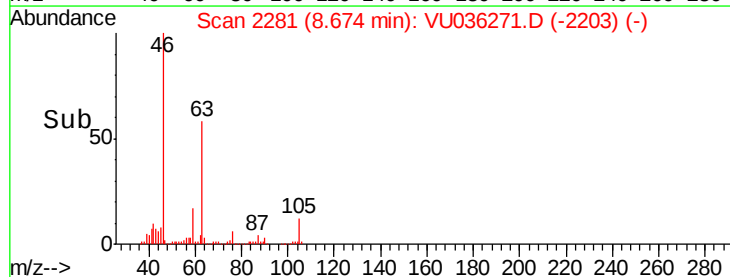
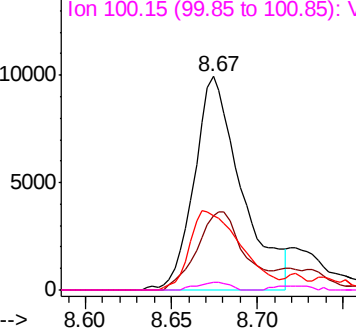


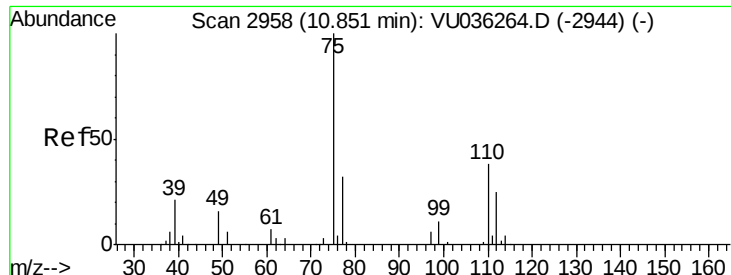
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 0.812 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.98 min

Lab File: VU036271.D

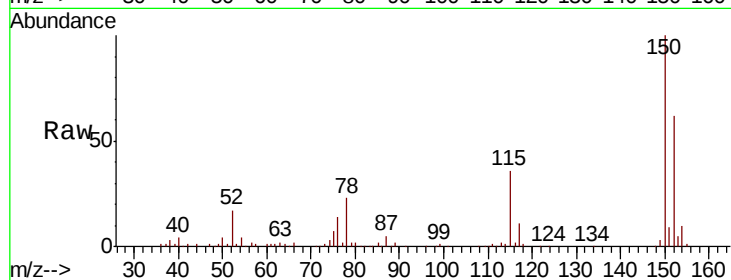
Acq: 18 Dec 2019 14:22

Tot Ion: 75 Resp: 11404

Ion Ratio Lower Upper

75 100

77 34.5 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

