

Data File : VU026835.D
Acq On : 17 Sep 2018 20:55
Operator : MD/SY
Sample : J4890-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0SZ3

Quant Time: Sep 18 01:39:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 01:34:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	245293	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	236961	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	95371	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	85793	47.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.56%
7) Chloroethane-d5	1.68	69	76661	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.72%
11) 1,1-Dichloroethene-d2	2.27	63	124781	36.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.68%
21) 2-Butanone-d5	4.18	46	131581	109.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.27%
24) Chloroform-d	4.65	84	162922	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.31	65	106042	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.06%
32) Benzene-d6	5.34	84	330976	49.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.68%
36) 1,2-Dichloropropane-d6	6.33	67	109831	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.66%
41) Toluene-d8	7.57	98	281824	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%
43) trans-1,3-Dichloropropene-	7.85	79	45250	47.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.74%
47) 2-Hexanone-d5	8.31	63	92262	109.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.71%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145732	48.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	108334	54.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

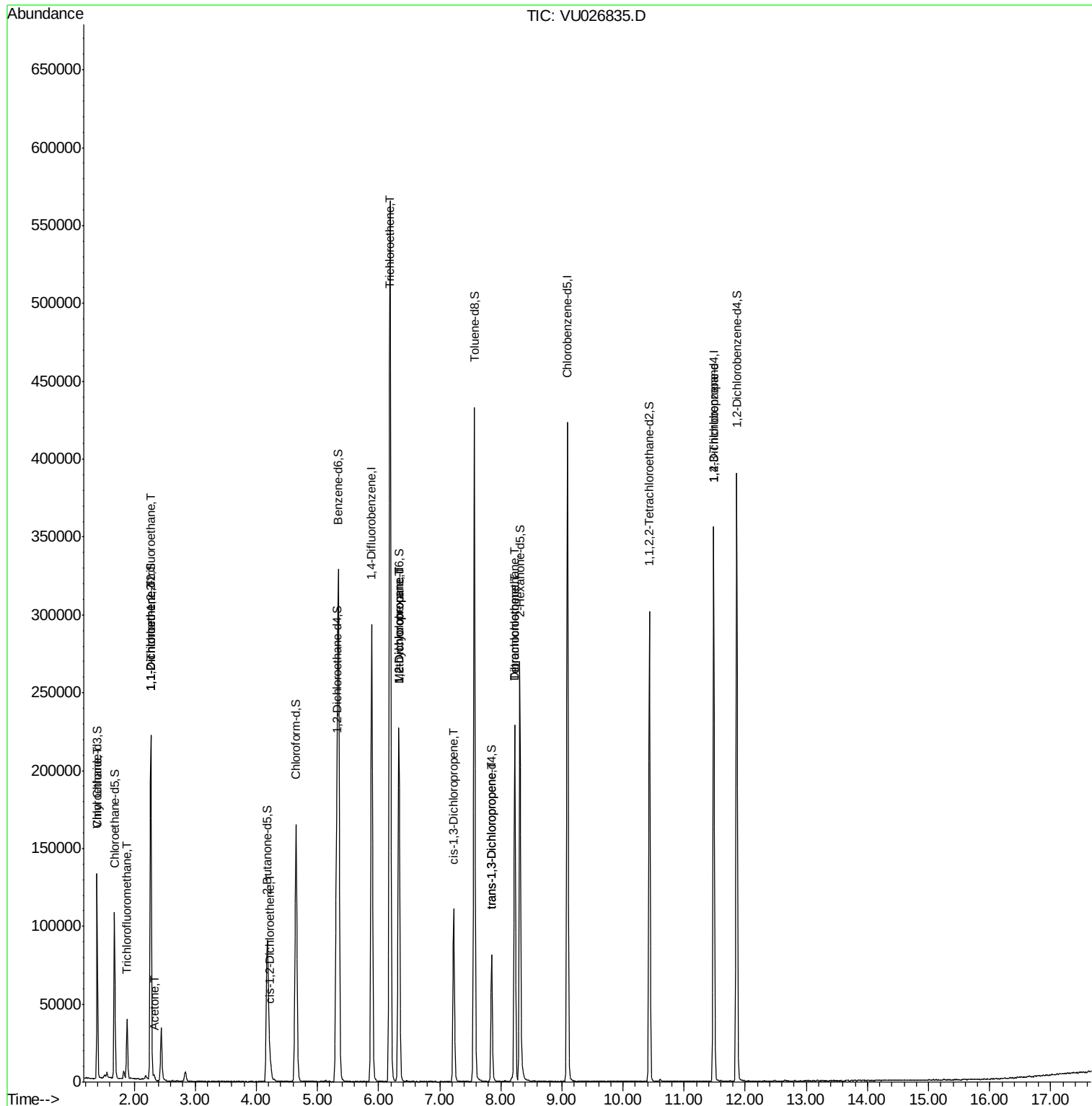
					Qvalue	
8) Chloroethane	1.40	64	1250	0.867	ug/L #	1
9) Trichlorofluoromethane	1.88	101	21927	7.669	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1108	0.654	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1005	0.632	ug/L #	1
13) Acetone	2.32	43	2337	1.975	ug/L	90
20) cis-1,2-Dichloroethene	4.23	96	3905	2.027	ug/L	95
34) Trichloroethene	6.19	95	190676	108.159	ug/L	99
35) Methylcyclohexane	6.33	83	25475	8.865	ug/L #	19
37) 1,2-Dichloropropane	6.33	63	11382	5.640	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2606	0.914	ug/L #	73
44) trans-1,3-Dichloropropene	7.85	75	1858	0.696	ug/L	96
46) Tetrachloroethene	8.23	164	53763	34.401	ug/L	99
49) Dibromochloromethane	8.23	129	47969	23.032	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	10696	4.425	ug/L	89

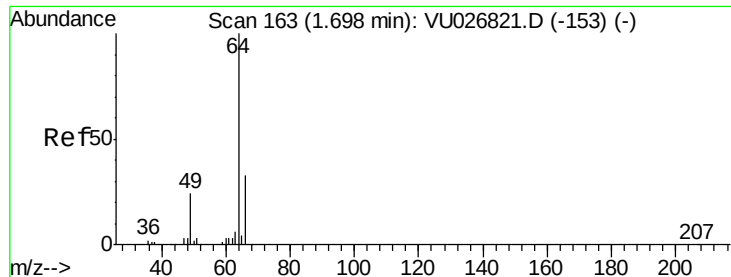
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026835.D
Acq On : 17 Sep 2018 20:55
Operator : MD/SY
Sample : J4890-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0SZ3

Quant Time: Sep 18 01:39:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 01:34:58 2018
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.867 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.30 min

Lab File: VU026835.D

Acq: 17 Sep 2018 20:55

Instrument :

MSVOA_U

ClientSampleId :

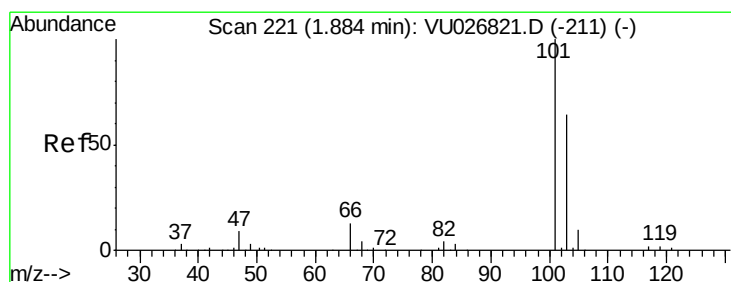
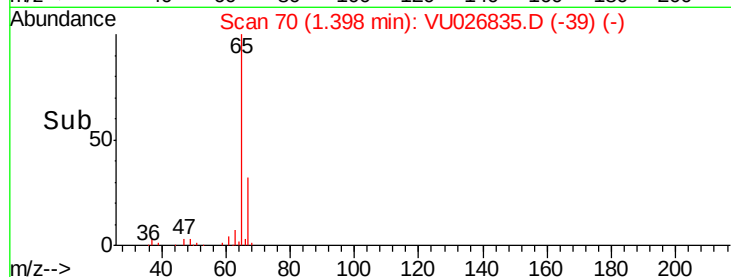
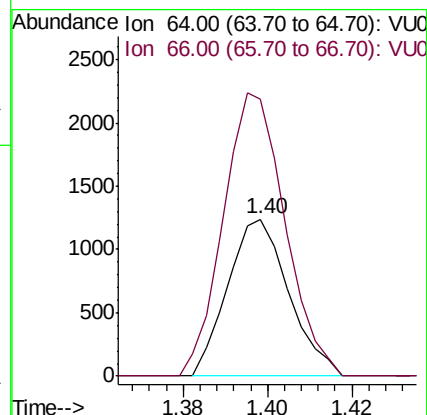
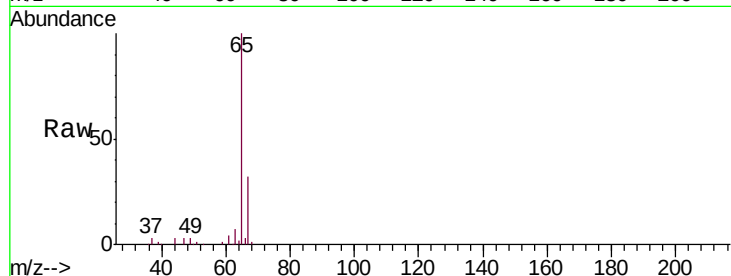
C0SZ3

Tgt Ion: 64 Resp: 1250

Ion Ratio Lower Upper

64 100

66 176.2 23.0 42.8#



#9

Trichlorofluoromethane

Concen: 7.669 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU026835.D

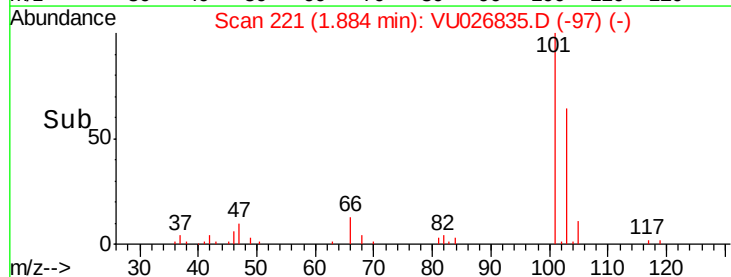
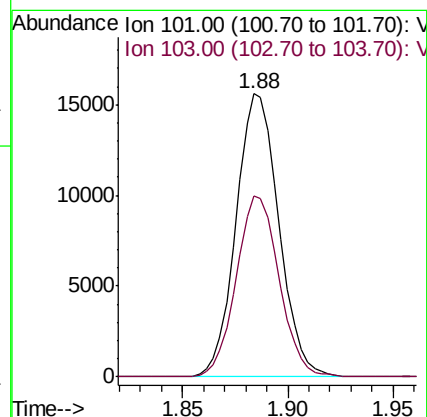
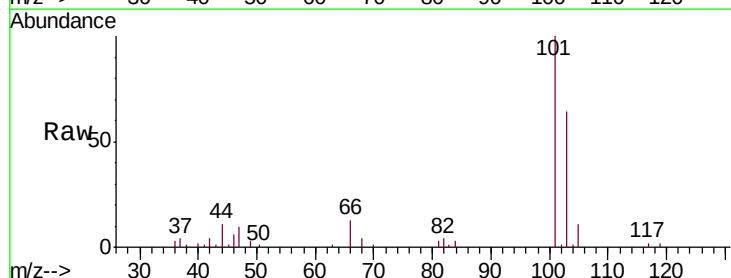
Acq: 17 Sep 2018 20:55

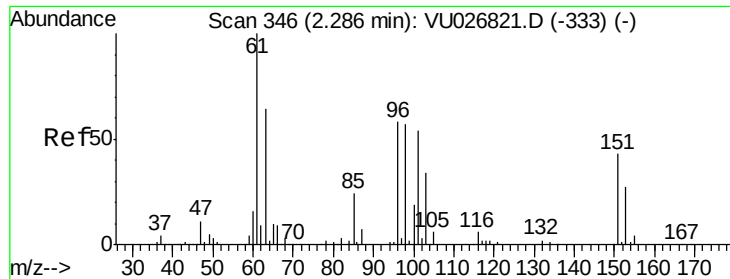
Tgt Ion: 101 Resp: 21927

Ion Ratio Lower Upper

101 100

103 64.0 51.9 77.9





#10

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

Concen: 0.654 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026835.D

Acq: 17 Sep 2018 20:55

Instrument :

MSVOA_U

ClientSampled :

C0S23

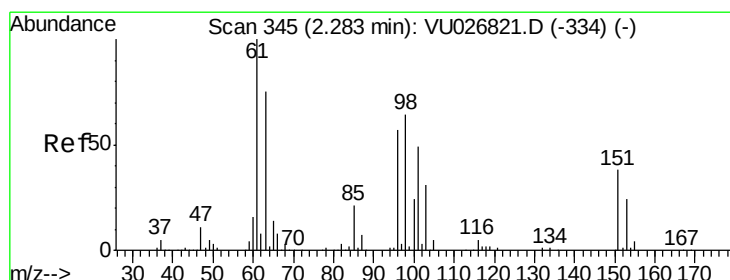
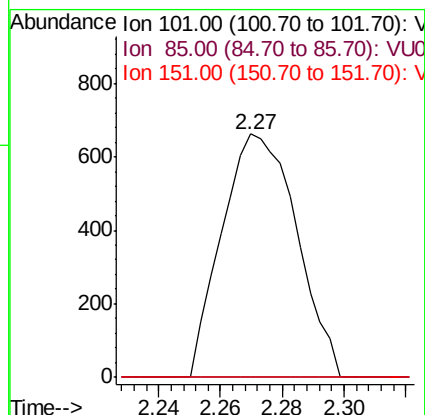
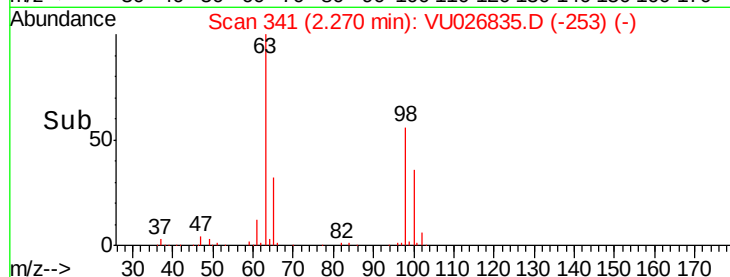
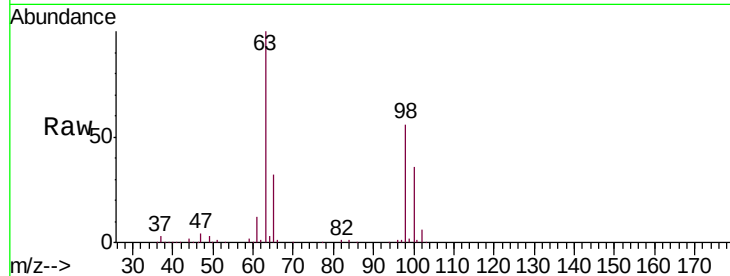
Tgt Ion:101 Resp: 1108

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 0.0 63.0 94.4#



#12

1,1-Dichloroethene

Concen: 0.632 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026835.D

Acq: 17 Sep 2018 20:55

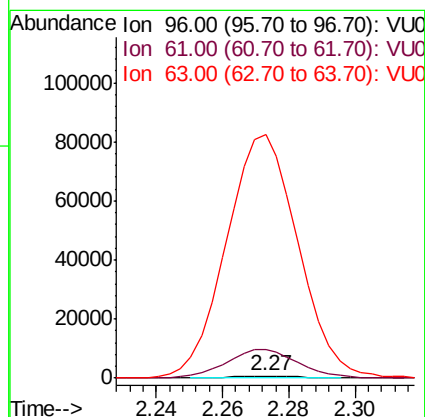
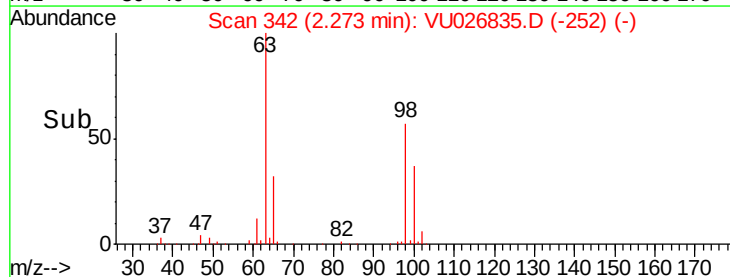
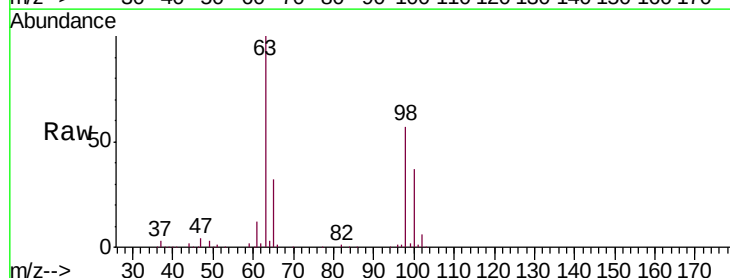
Tgt Ion: 96 Resp: 1005

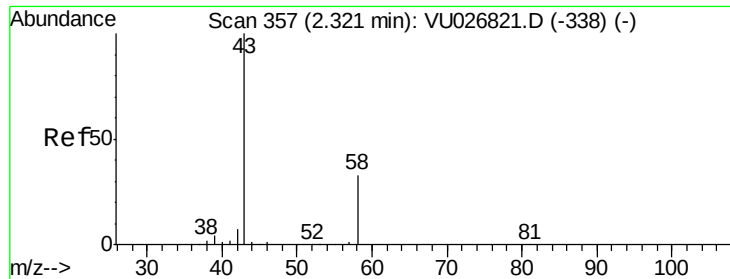
Ion Ratio Lower Upper

96 100

61 1390.2 124.0 230.4#

63 11829.0 97.7 181.5#





#13

Acetone

Concen: 1.975 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026835.D

Acq: 17 Sep 2018 20:55

Instrument :

MSVOA_U

ClientSampleId :

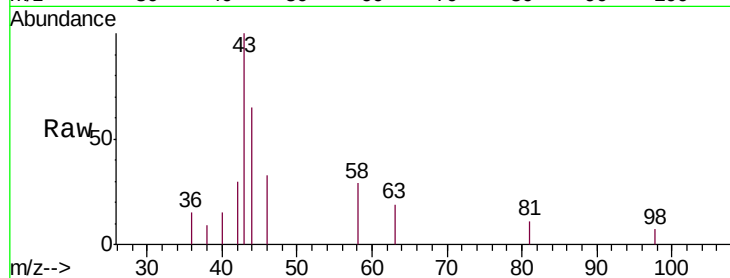
C0SZ3

Tgt Ion: 43 Resp: 2337

Ion Ratio Lower Upper

43 100

58 26.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

1500

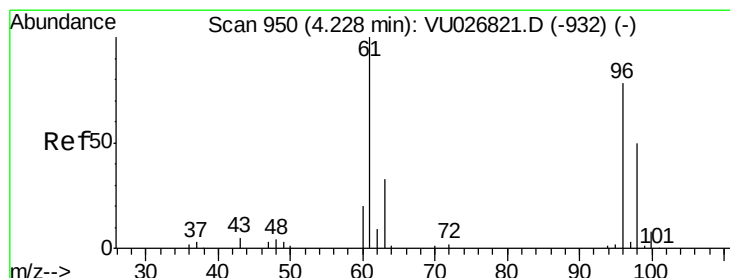
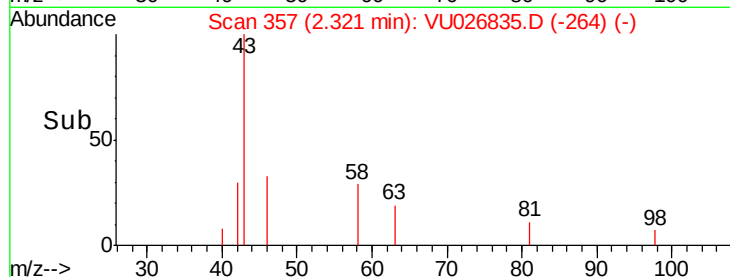
1000

500

0

2.30 2.32 2.35

Time-->



#20

cis-1,2-Dichloroethene

Concen: 2.027 ug/L

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU026835.D

Acq: 17 Sep 2018 20:55

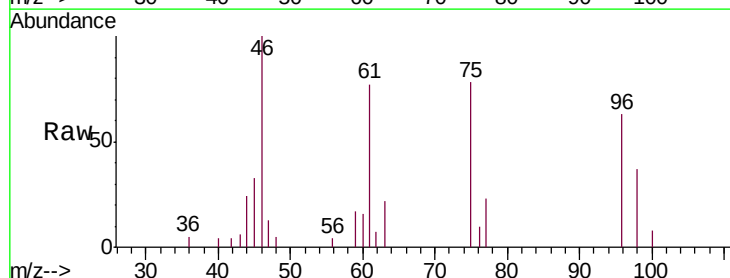
Tgt Ion: 96 Resp: 3905

Ion Ratio Lower Upper

96 100

61 123.0 90.2 167.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0

3000

2500

2000

1500

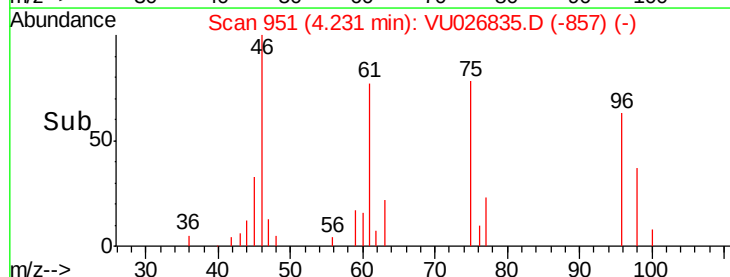
1000

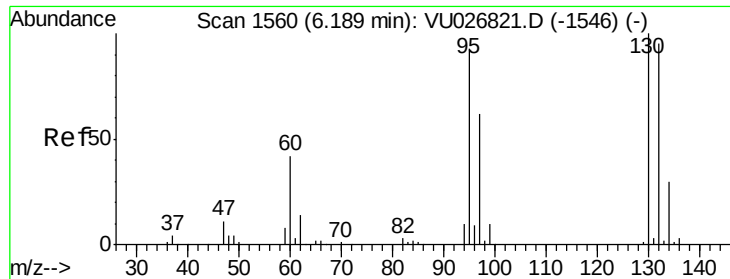
500

0

4.15 4.20 4.23 4.25

Time-->





#34

Trichloroethene

Concen: 108.159 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU026835.D

Acq: 17 Sep 2018 20:55

Instrument :

MSVOA_U

ClientSampleId :

C0SZ3

Tgt Ion: 95 Resp: 190676

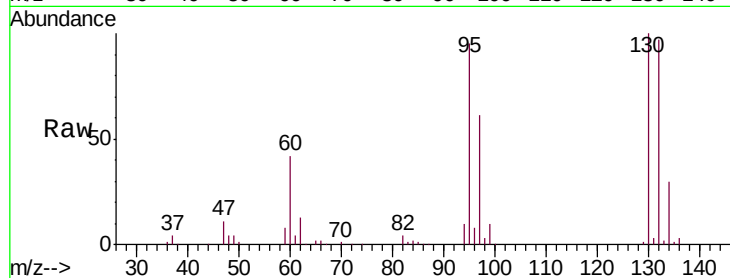
Ion Ratio Lower Upper

95 100

97 64.2 46.3 85.9

132 102.2 71.7 133.1

130 105.4 75.3 139.8

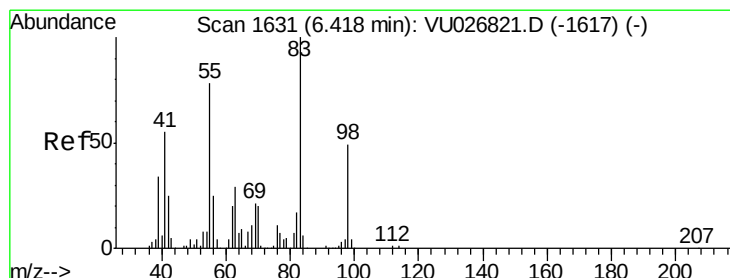
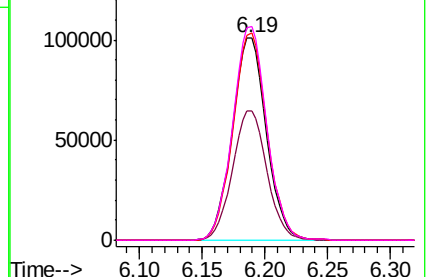
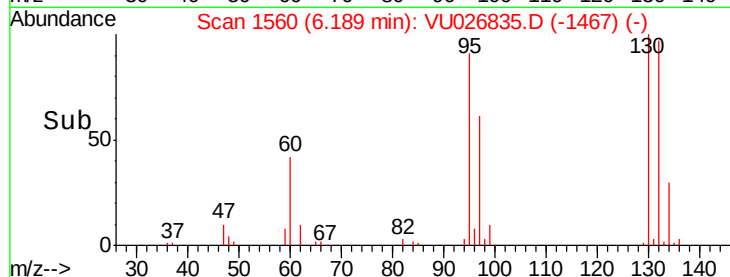


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 8.865 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.09 min

Lab File: VU026835.D

Acq: 17 Sep 2018 20:55

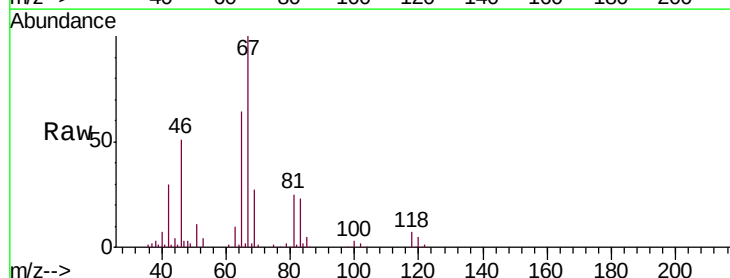
Tgt Ion: 83 Resp: 25475

Ion Ratio Lower Upper

83 100

55 0.0 61.7 92.5#

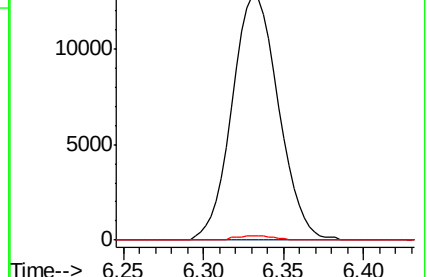
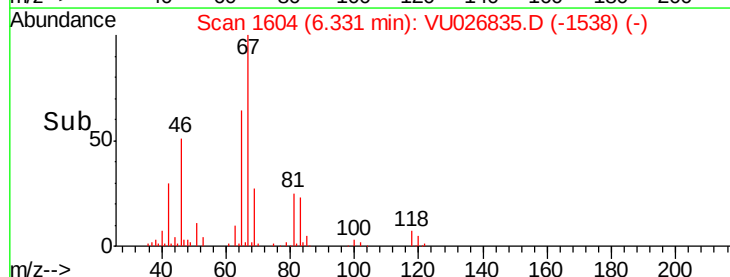
98 1.4 38.3 57.5#

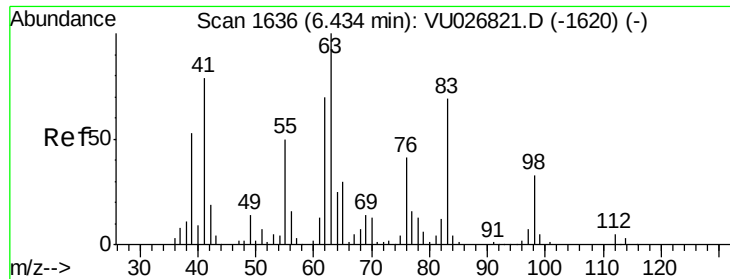


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

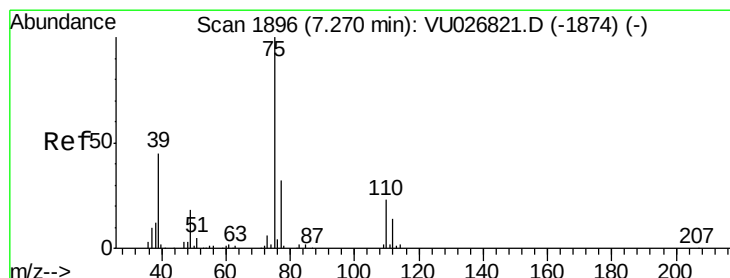
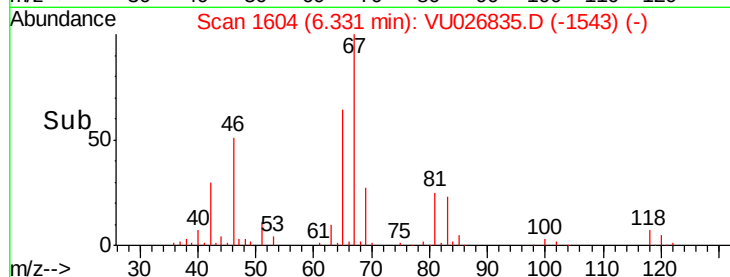
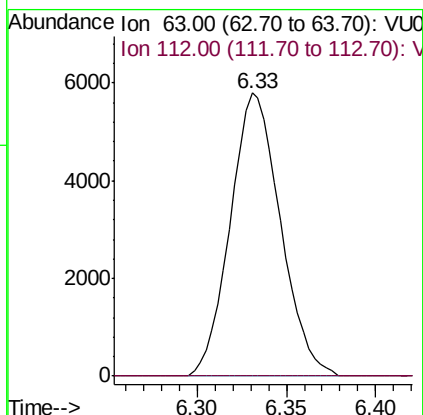
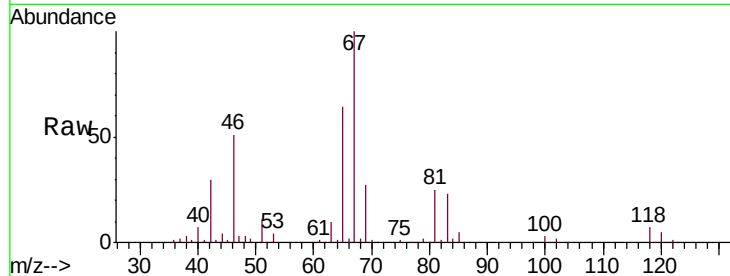




#37
 1,2-Dichloropropane
 Concen: 5.640 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU026835.D
 Acq: 17 Sep 2018 20:55

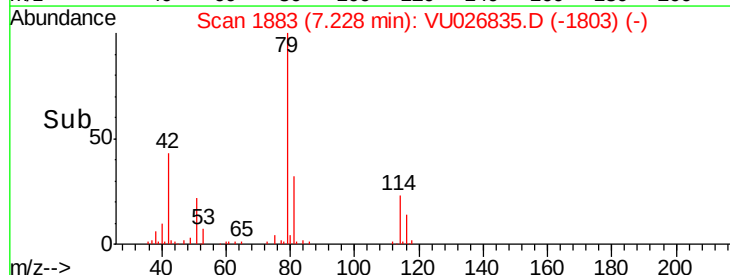
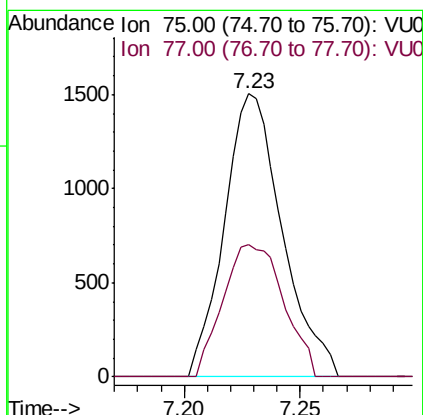
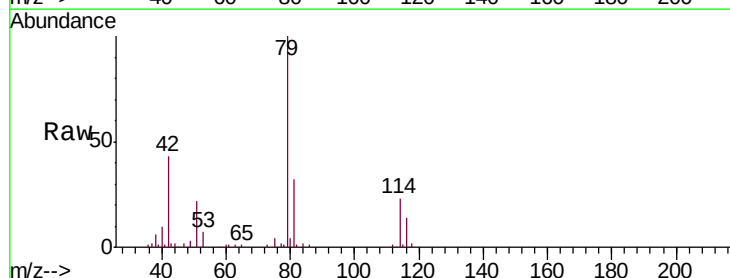
Instrument :
 MSVOA_U
 ClientSampleId :
 C0SZ3

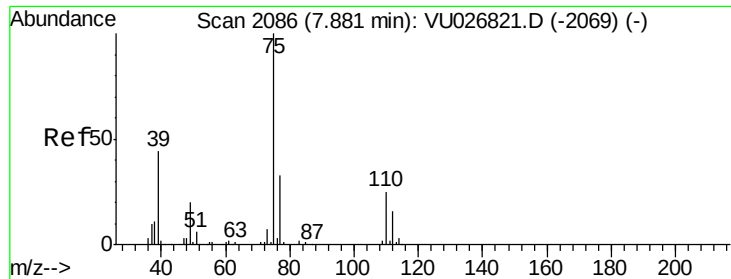
Tgt Ion: 63 Resp: 11382
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.914 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026835.D
 Acq: 17 Sep 2018 20:55

Tgt Ion: 75 Resp: 2606
 Ion Ratio Lower Upper
 75 100
 77 46.7 22.1 41.1#





#44

trans-1,3-Dichloropropene

Concen: 0.696 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026835.D

Acq: 17 Sep 2018 20:55

Instrument :

MSVOA_U

ClientSampleId :

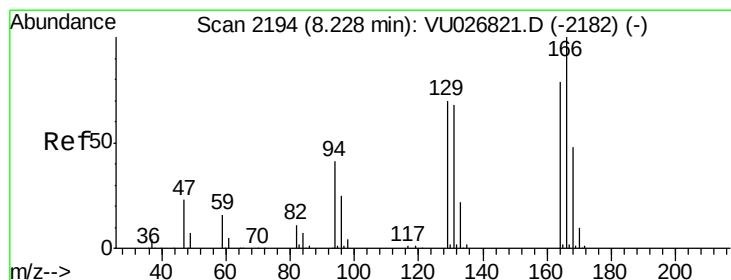
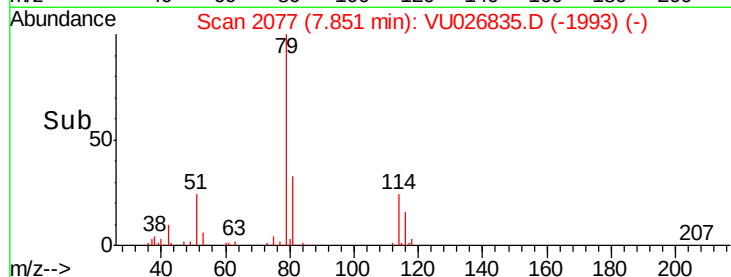
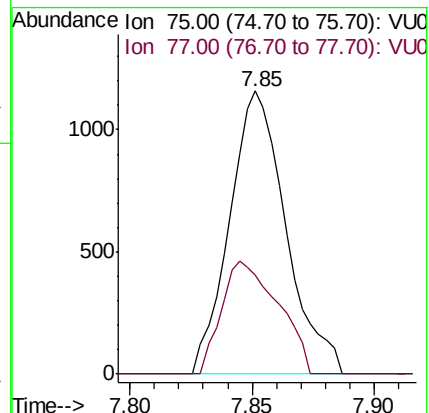
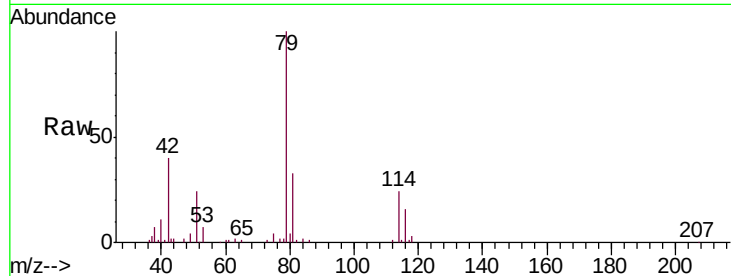
C0SZ3

Tgt Ion: 75 Resp: 1858

Ion Ratio Lower Upper

75 100

77 34.8 22.8 42.4



#46

Tetrachloroethene

Concen: 34.401 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU026835.D

Acq: 17 Sep 2018 20:55

Tgt Ion: 164 Resp: 53763

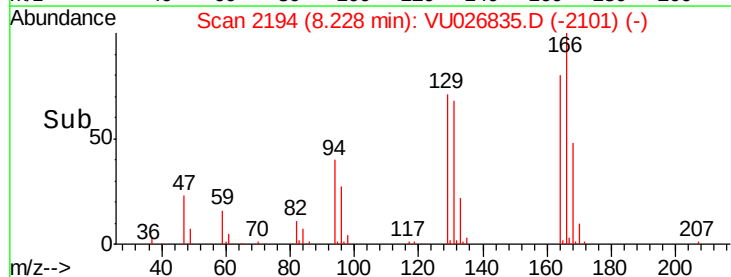
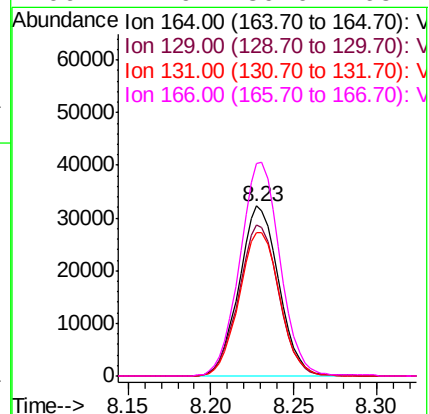
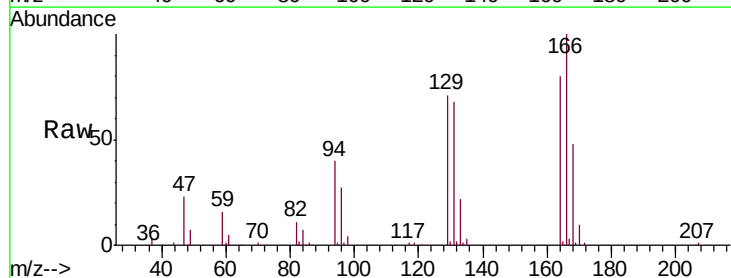
Ion Ratio Lower Upper

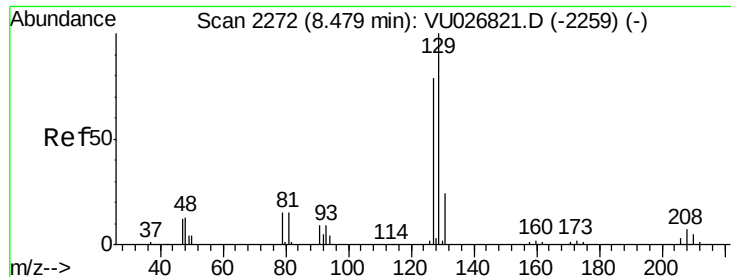
164 100

129 88.9 62.2 115.4

131 84.6 60.5 112.5

166 124.9 89.0 165.2





#49

Dibromochloromethane

Concen: 23.032 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU026835.D

Acq: 17 Sep 2018 20:55

Instrument :

MSVOA_U

ClientSampleId :

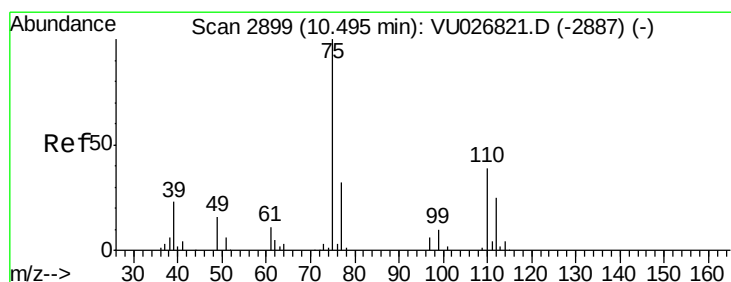
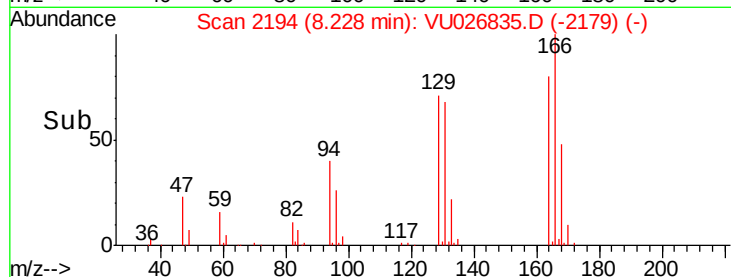
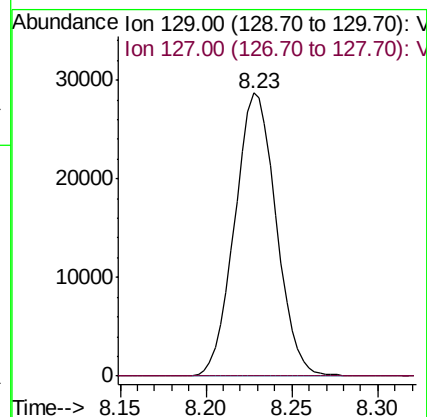
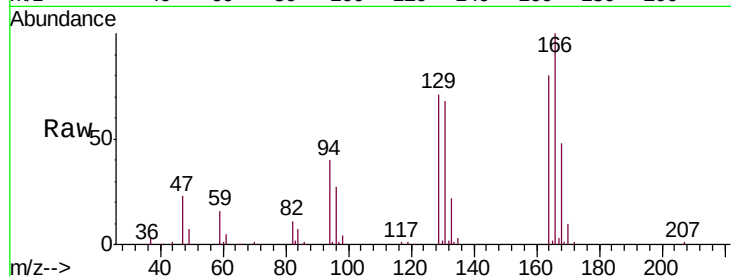
C0SZ3

Tgt Ion:129 Resp: 47969

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.4#



#59

1,2,3-Trichloropropane

Concen: 4.425 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU026835.D

Acq: 17 Sep 2018 20:55

Tgt Ion: 75 Resp: 10696

Ion Ratio Lower Upper

75 100

77 38.0 25.5 38.3

