

Data File : VU032837.D
Acq On : 18 Jun 2019 20:33
Operator : JC/SP
Sample : K3363-02DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JT6DL

Quant Time: Jun 19 04:40:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 19 04:35:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	227215	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	221991	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	110692	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	67195	43.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.54%
7) Chloroethane-d5	1.68	69	57314	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.56%
11) 1,1-Dichloroethene-d2	2.27	63	114985	36.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.52%
21) 2-Butanone-d5	4.17	46	131335	101.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.62%
24) Chloroform-d	4.64	84	142750	47.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.58%
26) 1,2-Dichloroethane-d4	5.30	65	98711	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.18%
32) Benzene-d6	5.33	84	282322	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
36) 1,2-Dichloropropane-d6	6.32	67	92193	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.02%
41) Toluene-d8	7.56	98	261601	48.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.54%
43) trans-1,3-Dichloropropene-	7.84	79	44497	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.80%
47) 2-Hexanone-d5	8.31	63	87852	102.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	134589	47.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	107195	50.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.08%

Target Compounds

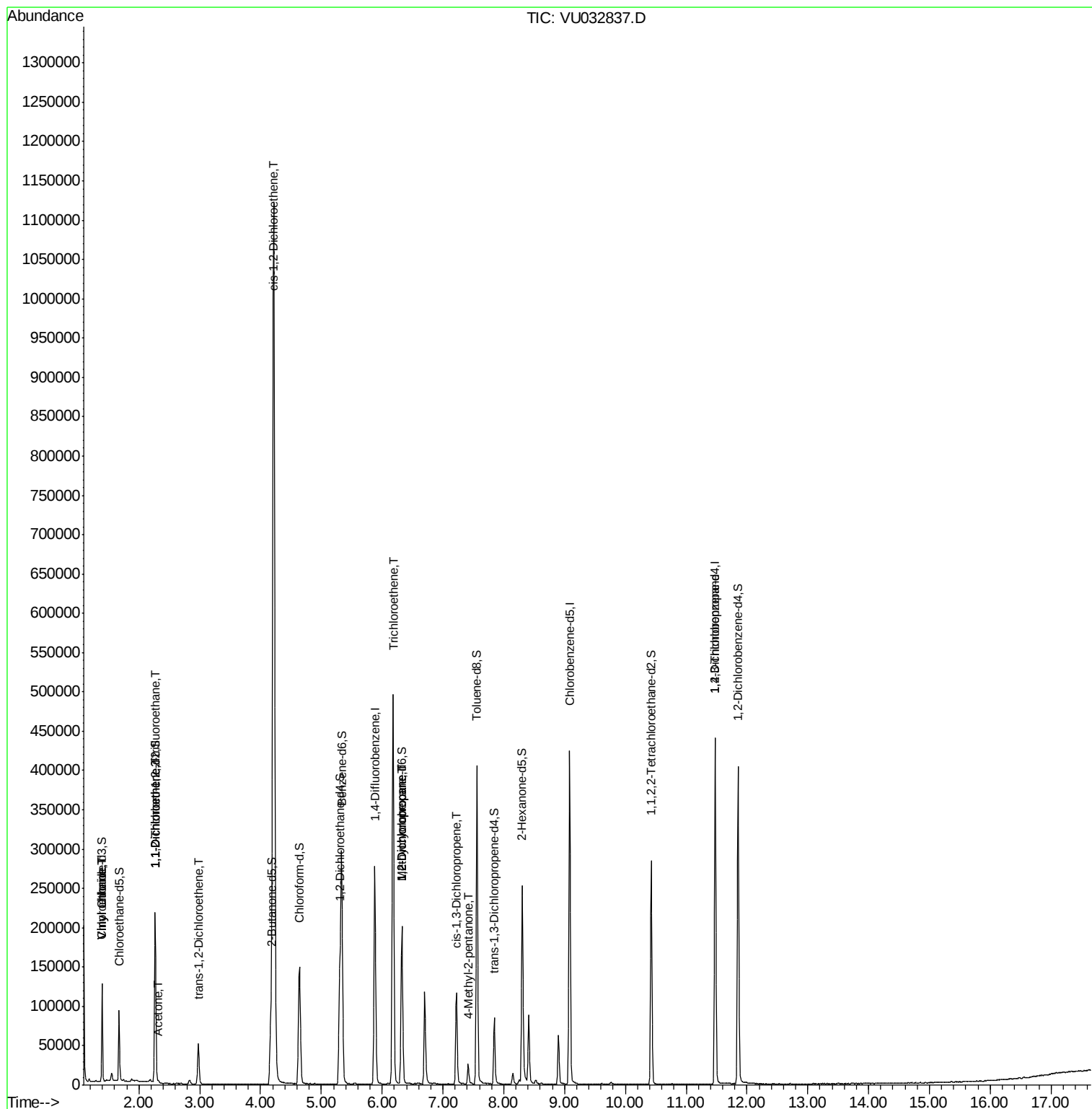
						Qvalue
5) Vinyl chloride	1.40	62	11665	5.654	ug/L	89
8) Chloroethane	1.40	64	4666	3.929	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	925	0.609	ug/L #	17
12) 1,1-Dichloroethene	2.28	96	16125	11.270	ug/L #	1
13) Acetone	2.32	43	2324	1.302	ug/L	87
17) trans-1,2-Dichloroethene	2.98	96	19596	12.629	ug/L	94
20) cis-1,2-Dichloroethene	4.22	96	598335	353.974	ug/L	97
34) Trichloroethene	6.18	95	163053	95.428	ug/L	99
35) Methylcyclohexane	6.32	83	21476	8.131	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	10676	6.086	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3284	1.202	ug/L #	74
40) 4-Methyl-2-pentanone	7.41	43	9686	3.459	ug/L #	51
59) 1,2,3-Trichloropropane	11.48	75	13842	5.913	ug/L	89

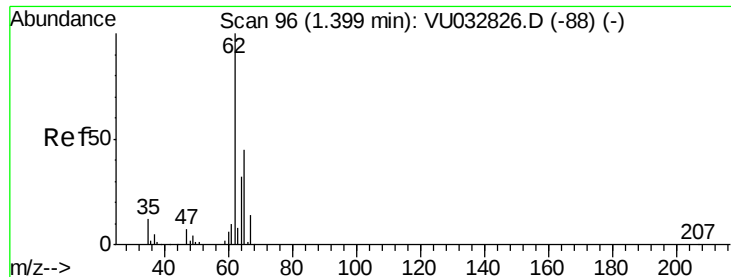
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.654 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032837.D

Acq: 18 Jun 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

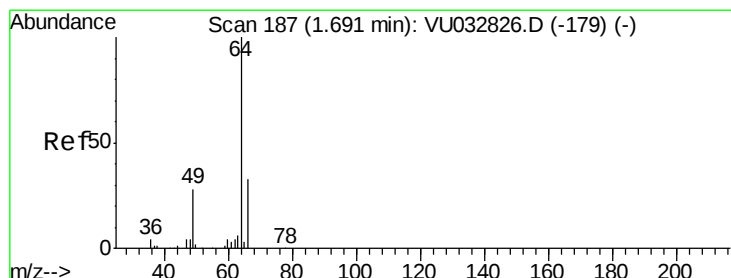
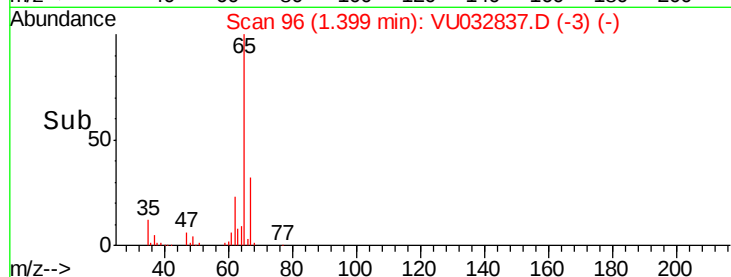
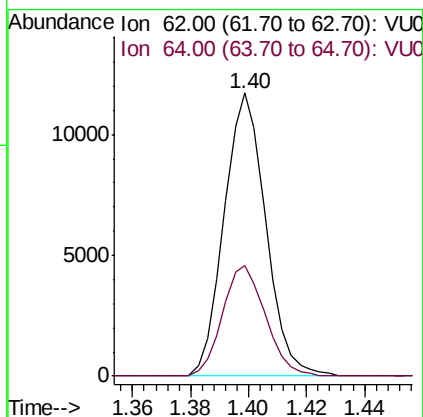
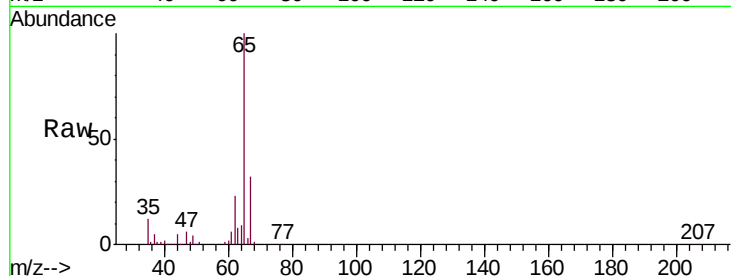
C0JT6DL

Tgt Ion: 62 Resp: 11665

Ion Ratio Lower Upper

62 100

64 39.0 23.0 42.6



#8

Chloroethane

Concen: 3.929 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.29 min

Lab File: VU032837.D

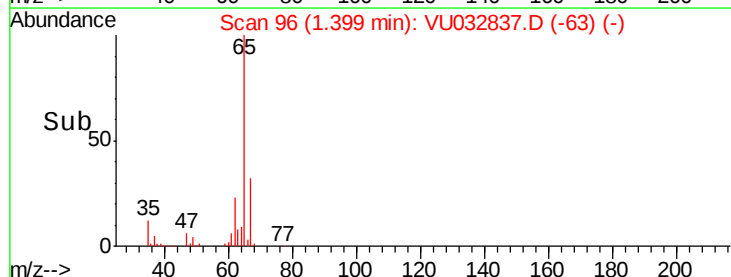
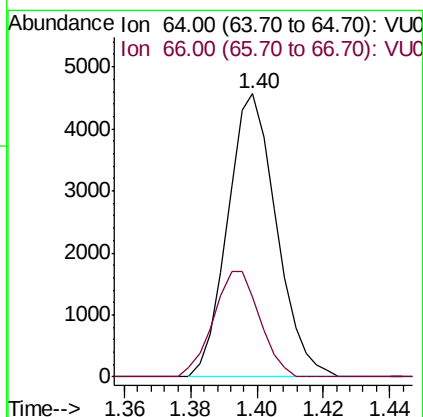
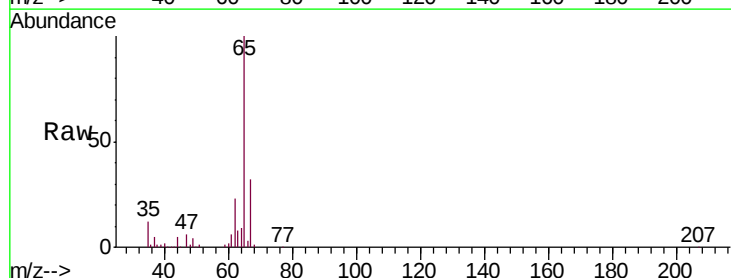
Acq: 18 Jun 2019 20:33

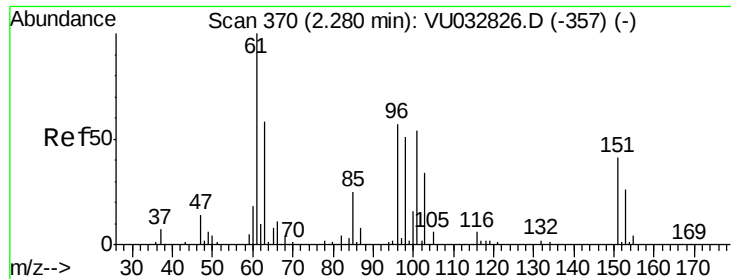
Tgt Ion: 64 Resp: 4666

Ion Ratio Lower Upper

64 100

66 28.3 22.5 41.7





#10

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

Concen: 0.609 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032837.D

Acq: 18 Jun 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

C0JT6DL

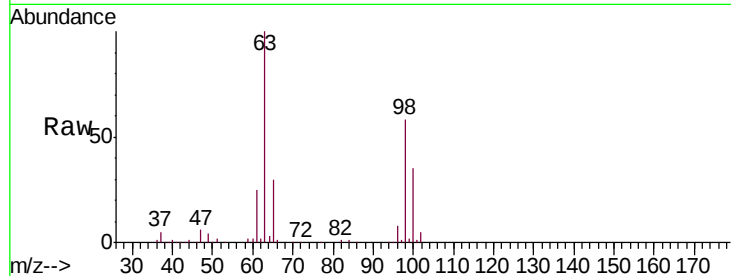
Tgt Ion: 101 Resp: 925

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

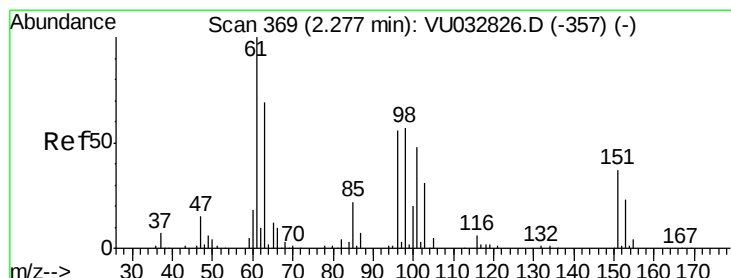
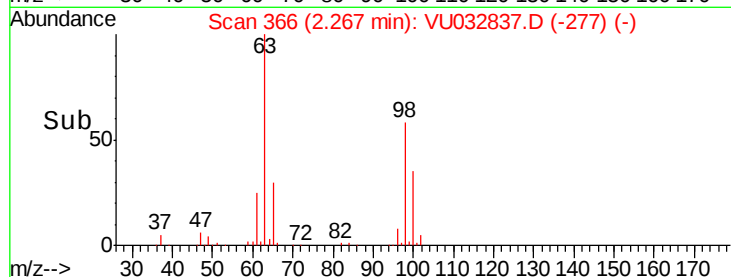
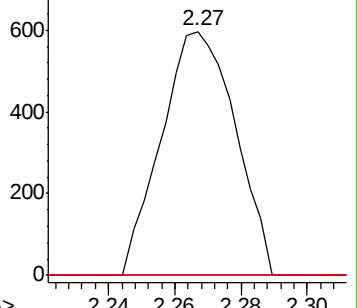
151 0.0 63.6 95.4#



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: 11.270 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032837.D

Acq: 18 Jun 2019 20:33

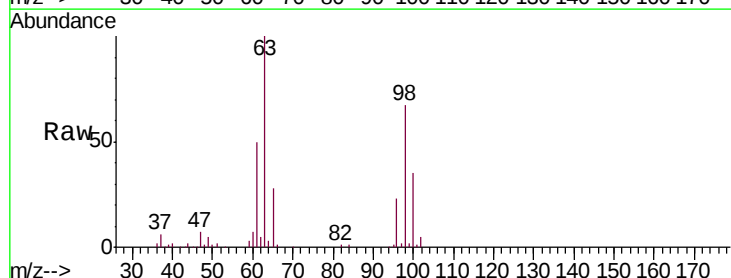
Tgt Ion: 96 Resp: 16125

Ion Ratio Lower Upper

96 100

61 219.5 131.0 243.4

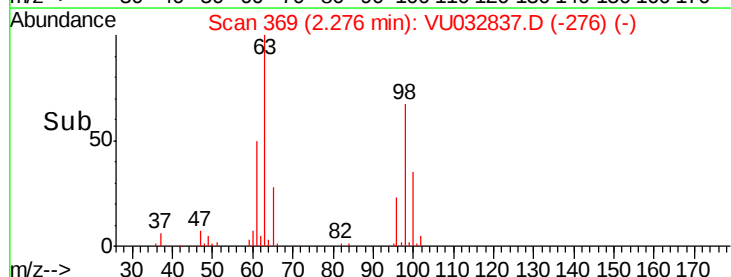
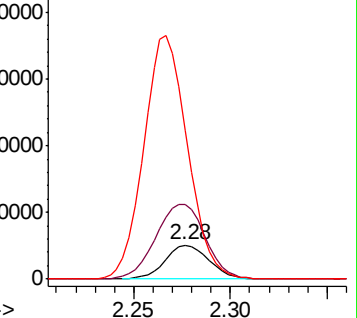
63 437.1 101.0 187.6#

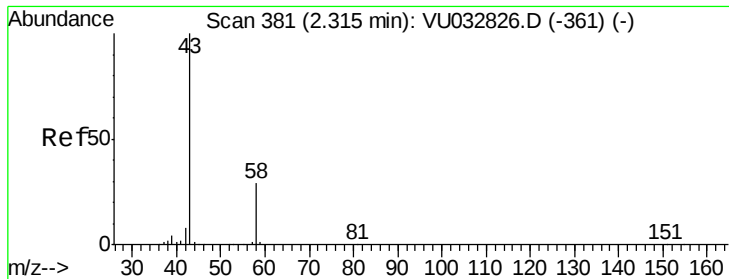


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.302 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032837.D

Acq: 18 Jun 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

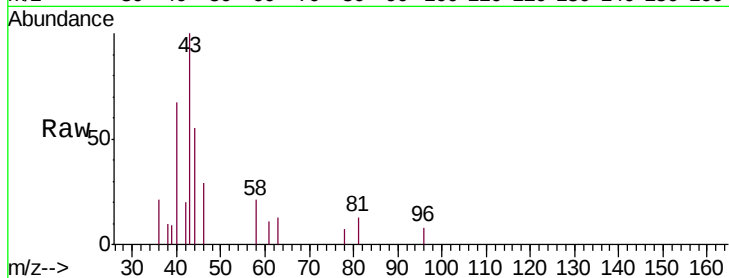
C0JT6DL

Tgt Ion: 43 Resp: 2324

Ion Ratio Lower Upper

43 100

58 23.2 0.0 60.6

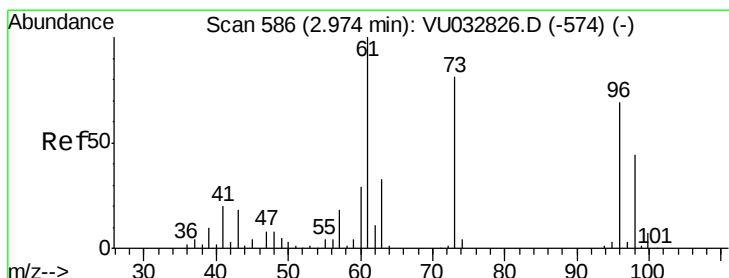
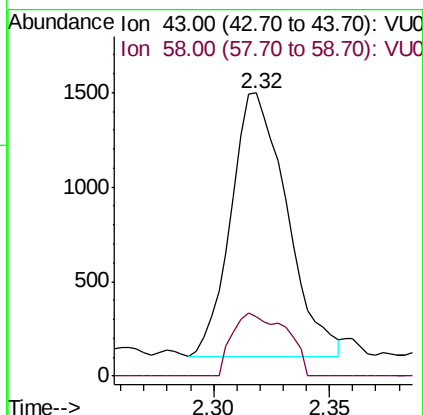
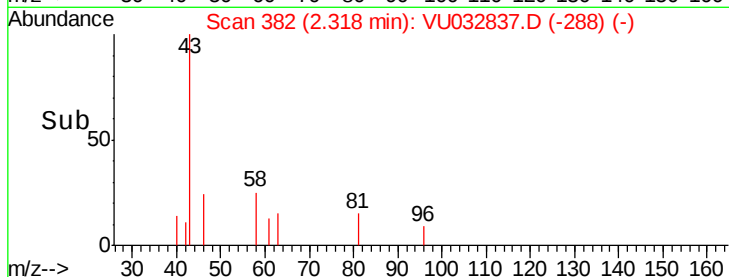


Abundance Ion 43.00 (42.70 to 43.70): VU032826.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU032826.D (-361) (-)

2.32

2.35



#17

trans-1,2-Dichloroethene

Concen: 12.629 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032837.D

Acq: 18 Jun 2019 20:33

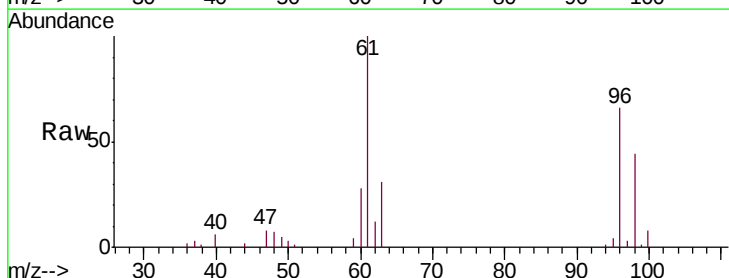
Tgt Ion: 96 Resp: 19596

Ion Ratio Lower Upper

96 100

61 151.8 100.9 187.5

98 66.4 44.0 81.8



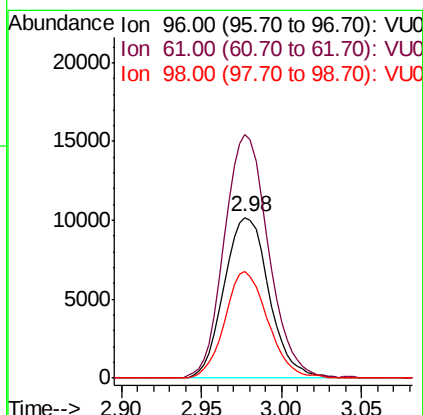
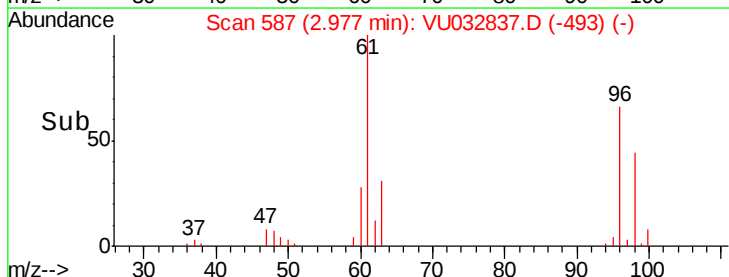
Abundance Ion 96.00 (95.70 to 96.70): VU032826.D (-574) (-)

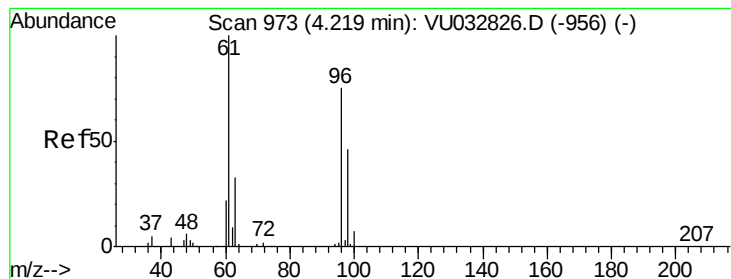
Ion 61.00 (60.70 to 61.70): VU032826.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU032826.D (-574) (-)

2.98

3.05



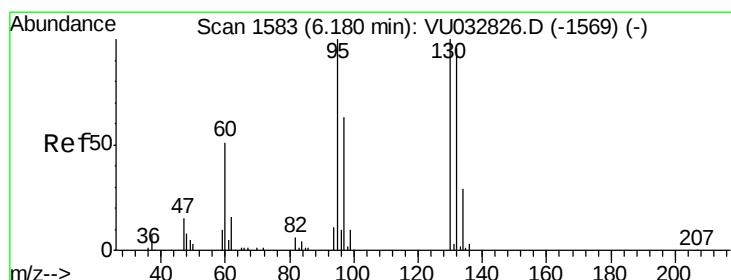
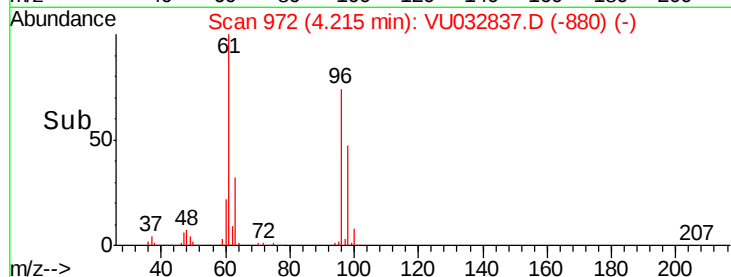
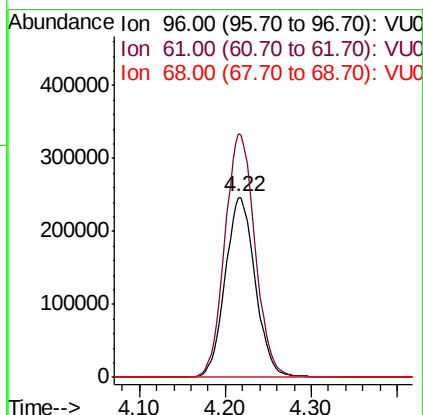
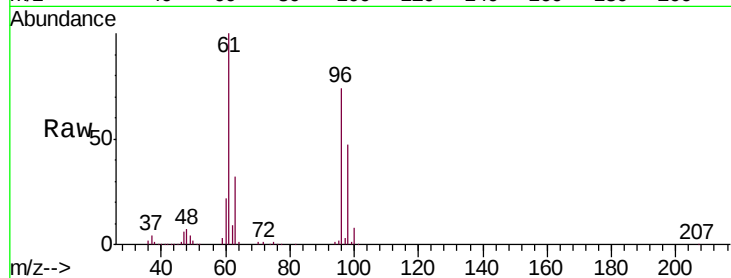


#20

cis-1,2-Dichloroethene
Concen: 353.974 ug/L
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU032837.D
Acq: 18 Jun 2019 20:33

Instrument :
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ClientSampleId :
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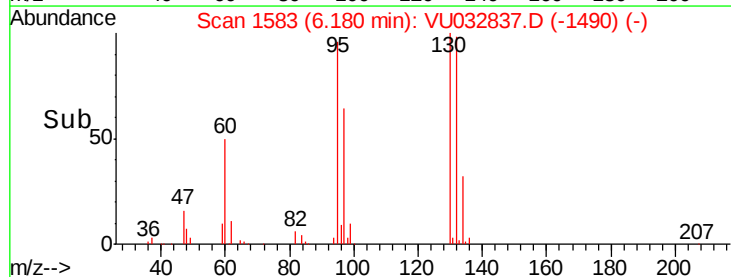
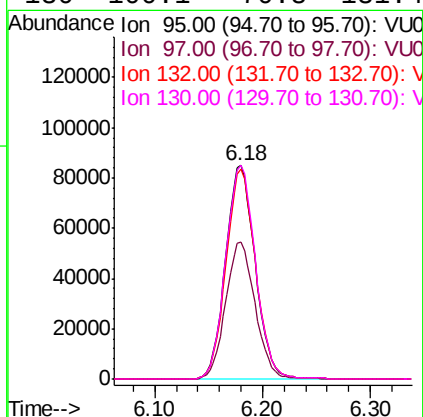
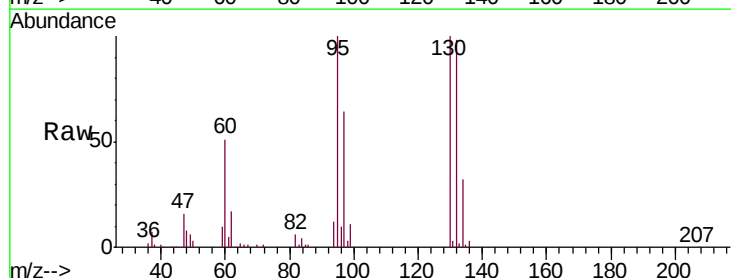
Tgt Ion: 96 Resp: 598335
Ion Ratio Lower Upper
96 100
61 135.3 92.4 171.6
68 0.0 0.0 0.0

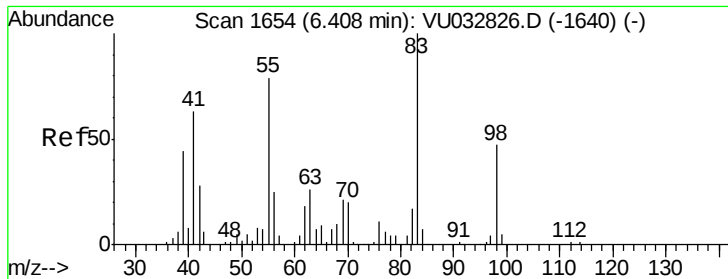


#34

Trichloroethene
Concen: 95.428 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU032837.D
Acq: 18 Jun 2019 20:33

Tgt Ion: 95 Resp: 163053
Ion Ratio Lower Upper
95 100
97 64.1 45.9 85.3
132 98.2 68.5 127.3
130 100.1 70.8 131.4





#35

Methylcyclohexane

Concen: 8.131 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032837.D

Acq: 18 Jun 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

C0JT6DL

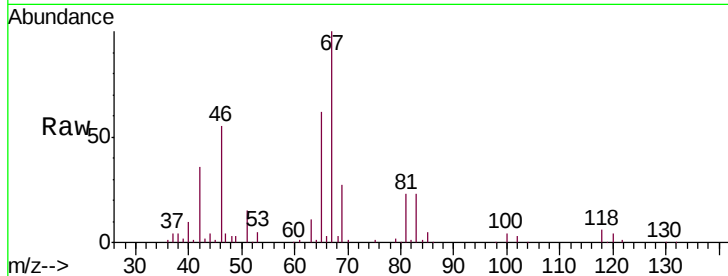
Tgt Ion: 83 Resp: 21476

Ion Ratio Lower Upper

83 100

55 0.2 62.6 94.0#

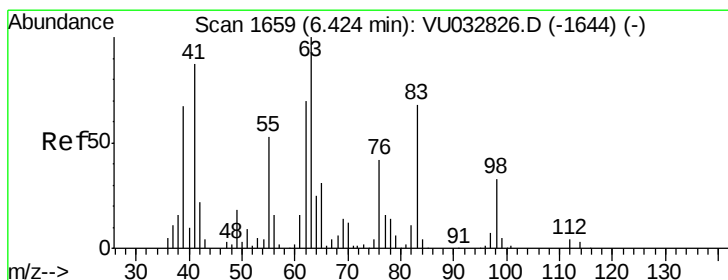
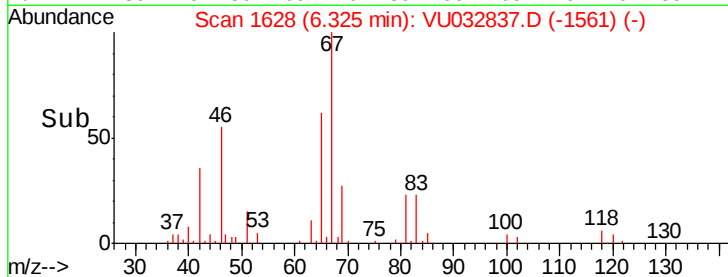
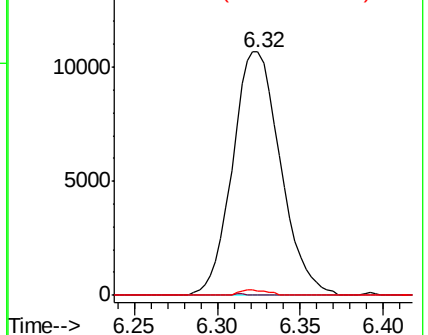
98 1.2 37.4 56.0#



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: 6.086 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.10 min

Lab File: VU032837.D

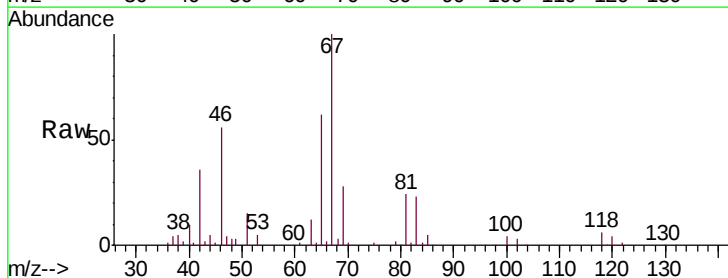
Acq: 18 Jun 2019 20:33

Tgt Ion: 63 Resp: 10676

Ion Ratio Lower Upper

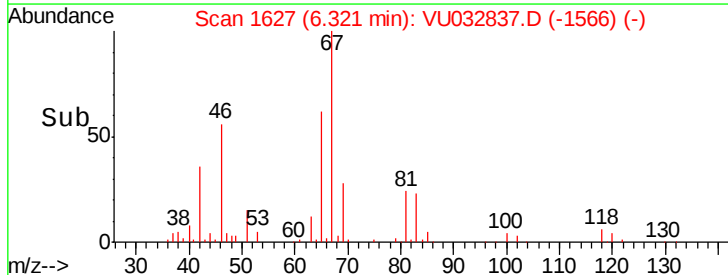
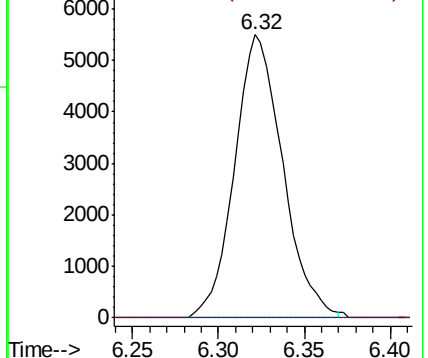
63 100

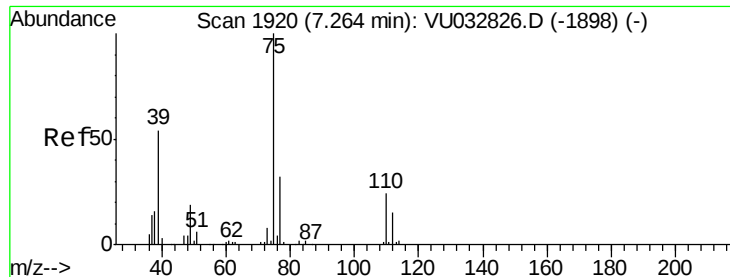
112 0.0 3.0 4.6#



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: 1.202 ug/L

RT: 7.22 min Scan# 1906

Delta R.T. -0.05 min

Lab File: VU032837.D

Acq: 18 Jun 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

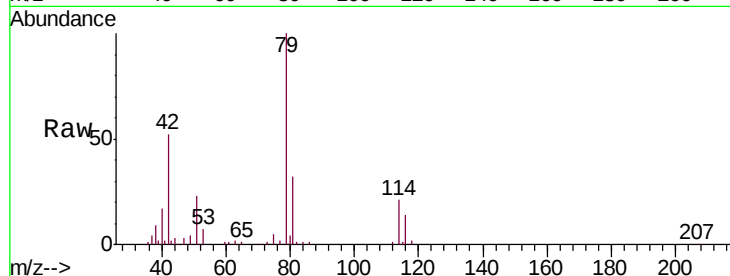
C0JT6DL

Tgt Ion: 75 Resp: 3284

Ion Ratio Lower Upper

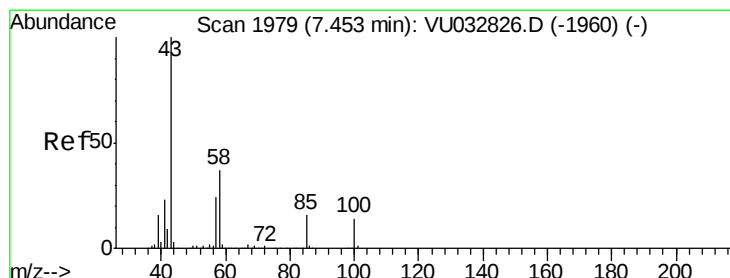
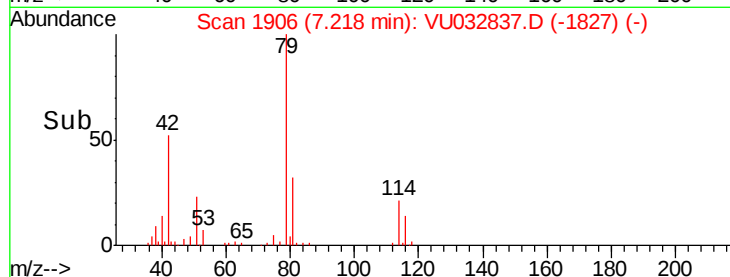
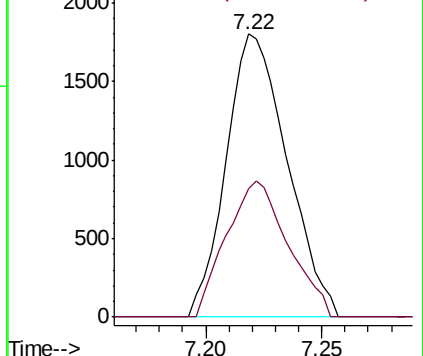
75 100

77 45.5 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 3.459 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. -0.04 min

Lab File: VU032837.D

Acq: 18 Jun 2019 20:33

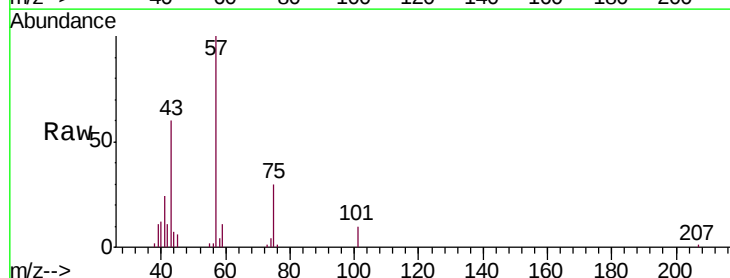
Tgt Ion: 43 Resp: 9686

Ion Ratio Lower Upper

43 100

58 4.6 29.4 44.2#

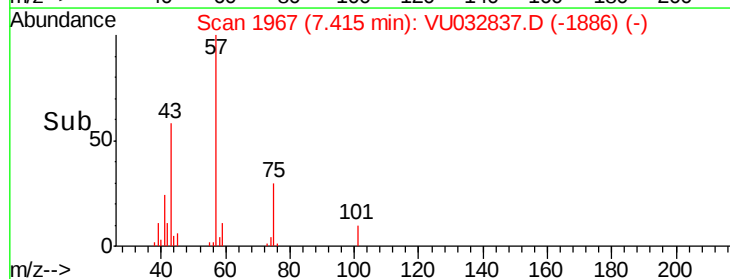
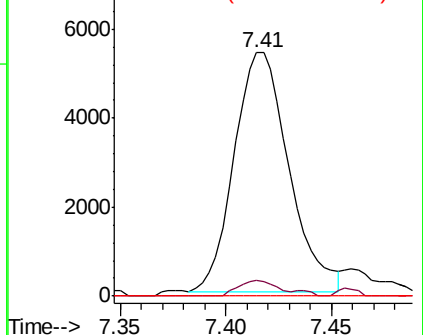
100 0.0 11.2 16.8#

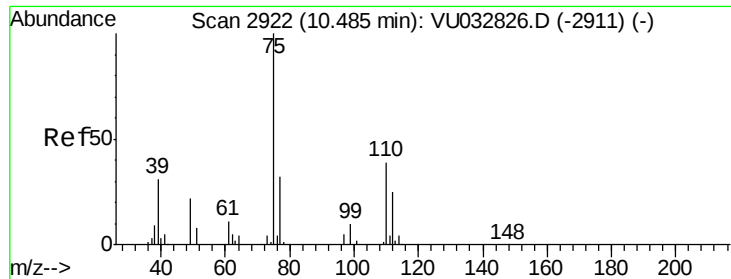


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.913 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032837.D

Acq: 18 Jun 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

C0JT6DL

Tgt Ion: 75 Resp: 13842

Ion Ratio Lower Upper

75 100

77 38.0 25.5 38.3

