

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037916.D
 Acq On : 29 Apr 2020 16:58
 Operator : JC/MD
 Sample : L2411-03MSD
 Misc : 5.6mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 01:21:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 01:17:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	629714	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	616821	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	288009	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	199844	36.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.64%
7) Chloroethane-d5	1.93	69	186283	43.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.36%
11) 1,1-Dichloroethene-d2	2.59	63	371092	41.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.34%
21) 2-Butanone-d5	4.66	46	456083	104.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.62%
24) Chloroform-d	5.10	84	386166	46.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.16%
26) 1,2-Dichloroethane-d4	5.74	65	272767	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.00%
32) Benzene-d6	5.76	84	812140	46.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.12%
36) 1,2-Dichloropropane-d6	6.72	67	278914	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.62%
41) Toluene-d8	7.92	98	726066	45.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.58%
43) trans-1,3-Dichloropropene-	8.20	79	131213	43.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.40%
47) 2-Hexanone-d5	8.65	63	374243	117.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.84%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	411131	50.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.30%
64) 1,2-Dichlorobenzene-d4	12.20	152	275705	49.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

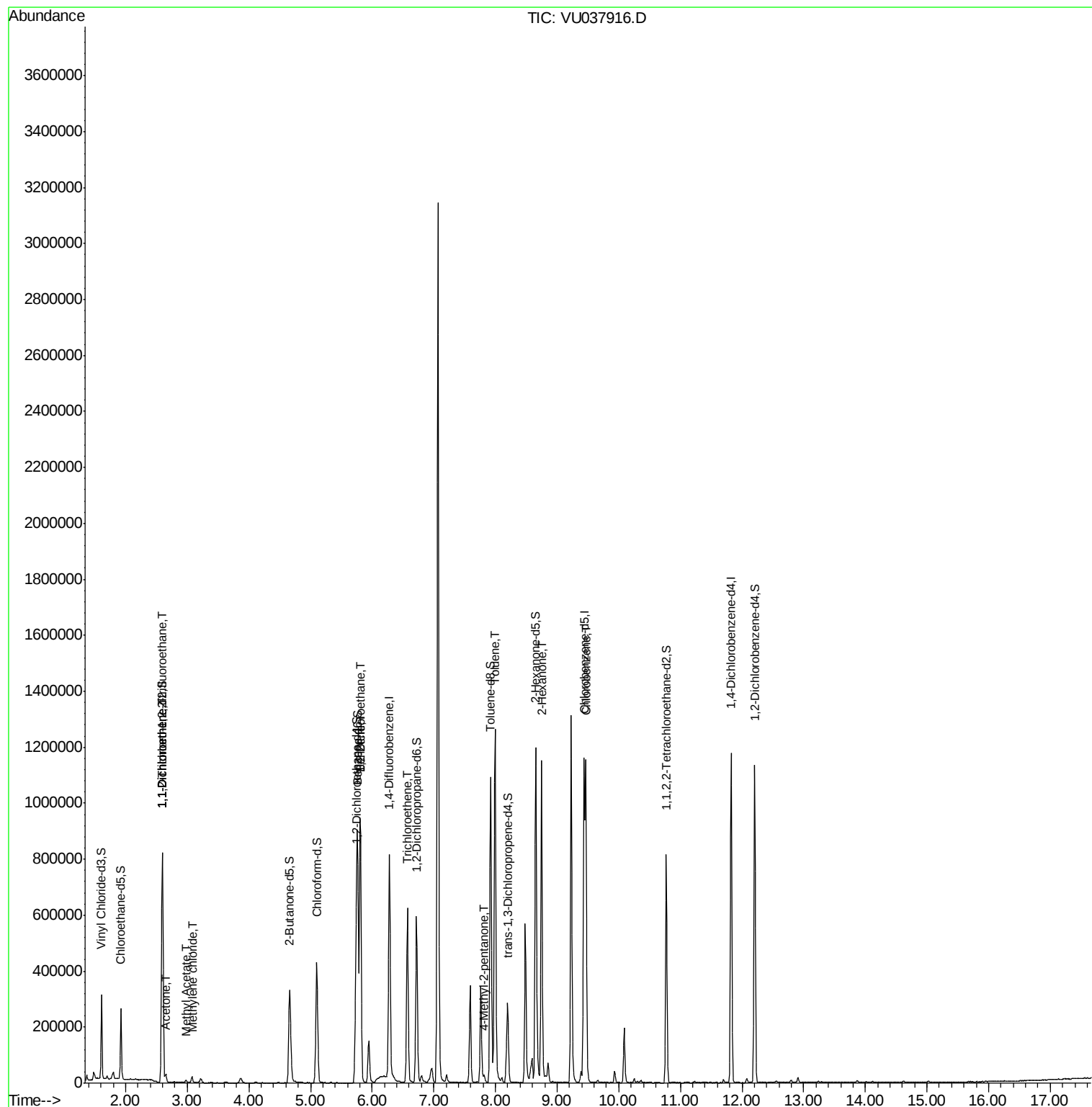
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2780	0.718	ug/L #	21
12) 1,1-Dichloroethene	2.60	96	177379	46.397	ug/L	90
13) Acetone	2.65	43	31010	11.922	ug/L	98
15) Methyl Acetate	2.98	43	10152	1.615	ug/L #	90
16) Methylene chloride	3.08	84	8988	1.979	ug/L	90
27) 1,2-Dichloroethane	5.81	62	8596	1.245	ug/L #	75
33) Benzene	5.81	78	877979	46.896	ug/L	100
34) Trichloroethene	6.57	95	208742	45.455	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	16154	1.817	ug/L	96
42) Toluene	7.99	91	937886	47.781	ug/L	100
48) 2-Hexanone	8.75	43	169727	24.140	ug/L #	1
51) Chlorobenzene	9.47	112	573091	46.939	ug/L	99

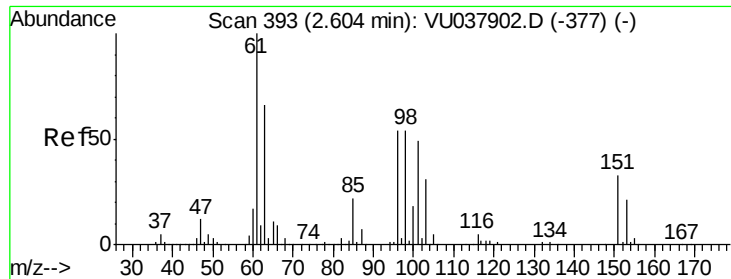
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.718 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037916.D

Acq: 29 Apr 2020 16:58

Instrument :

MSVOA_U

ClientSampleId :

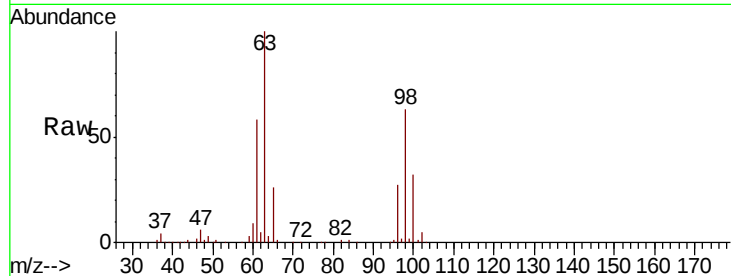
Tot Ion:101 Resp: 2780

Ion Ratio Lower Upper

101 100

85 0.0 36.2 54.4#

151 0.0 55.5 83.3#



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

2.59

2000

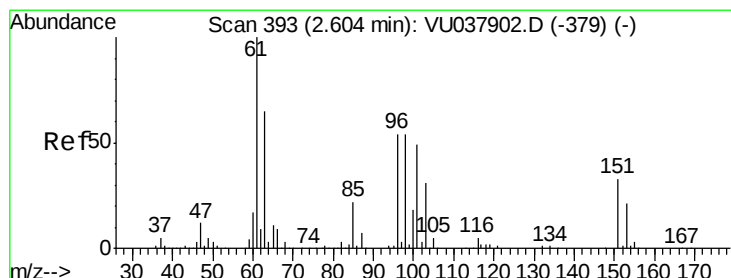
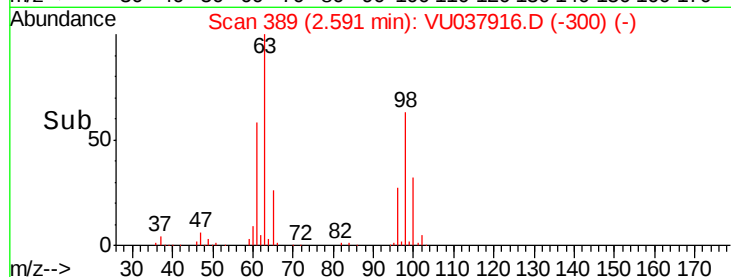
1500

1000

500

0

Time-->



#12

1,1-Dichloroethene

Concen: 46.397 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037916.D

Acq: 29 Apr 2020 16:58

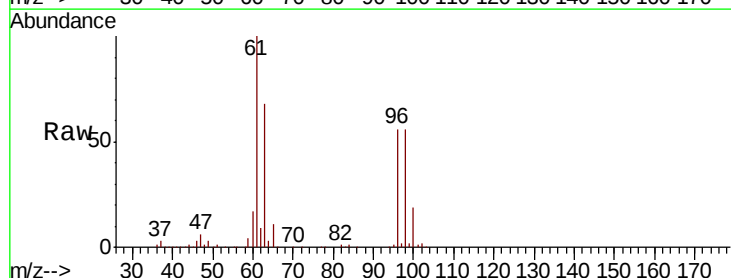
Tgt Ion: 96 Resp: 177379

Ion Ratio Lower Upper

96 100

61 179.0 134.1 249.0

63 122.5 96.5 179.1



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

2.60

250000

200000

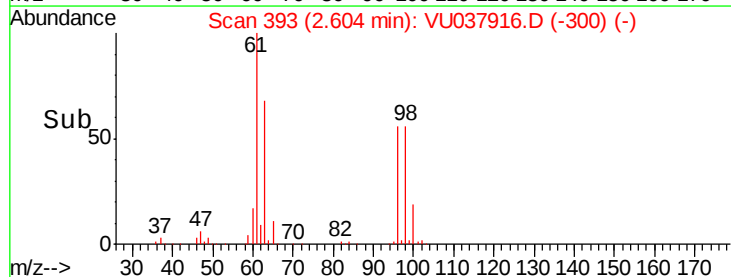
150000

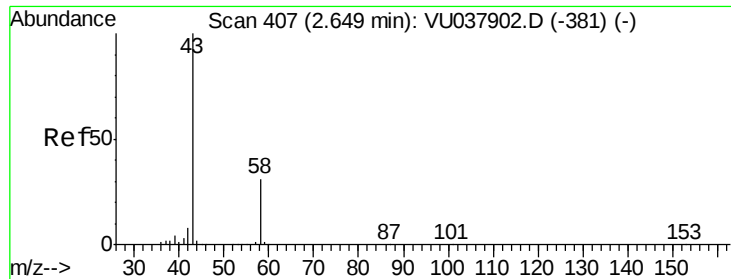
100000

50000

0

Time-->





#13

Acetone

Concen: 11.922 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037916.D

Acq: 29 Apr 2020 16:58

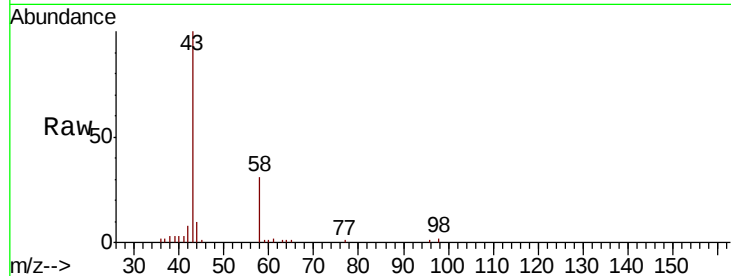
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 31010

Ion Ratio Lower Upper

43 100

58 32.2 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU037916.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VU037916.D (-314) (-)

20000

15000

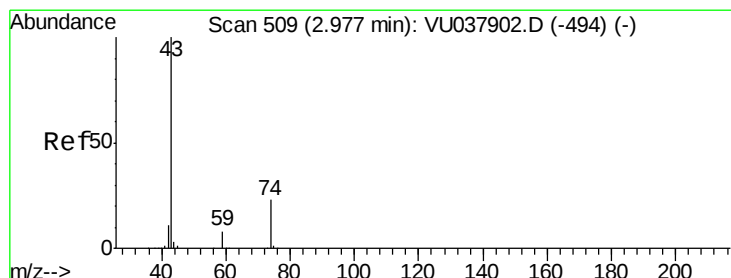
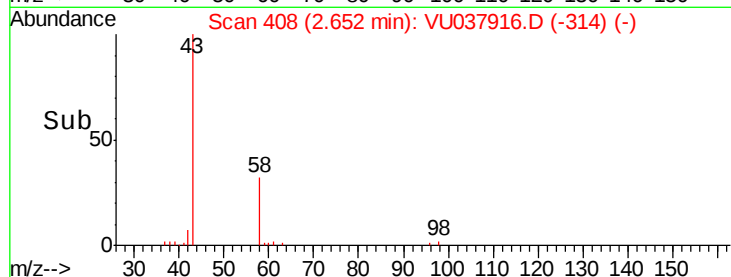
10000

5000

0

2.55 2.60 2.65 2.70

Time-->



#15

Methyl Acetate

Concen: 1.615 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.00 min

Lab File: VU037916.D

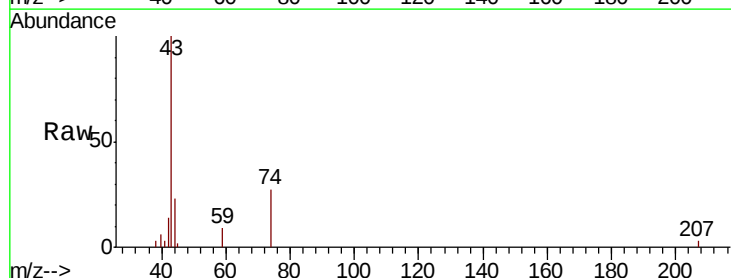
Acq: 29 Apr 2020 16:58

Tgt Ion: 43 Resp: 10152

Ion Ratio Lower Upper

43 100

74 25.7 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VU037916.D (-416) (-)

Ion 74.00 (73.70 to 74.70): VU037916.D (-416) (-)

6000

5000

4000

3000

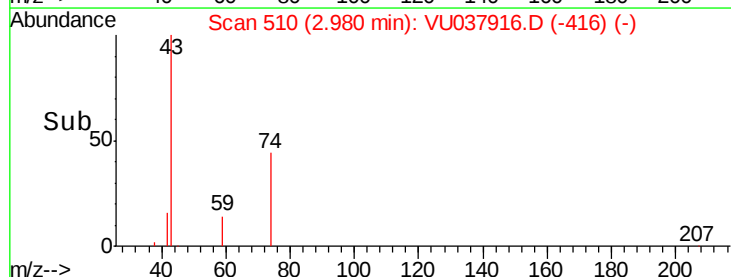
2000

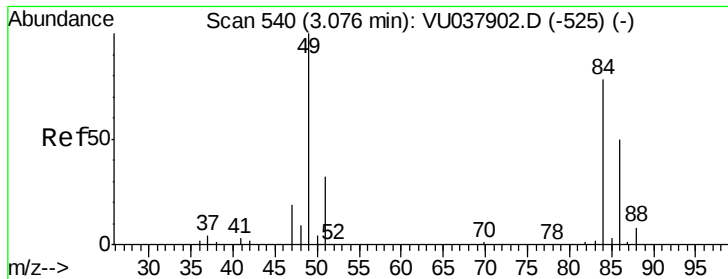
1000

0

2.95 3.00 3.05

Time-->

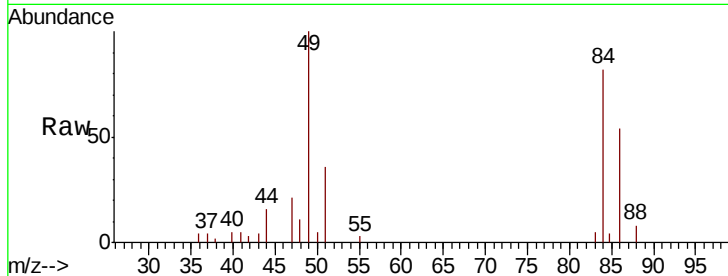




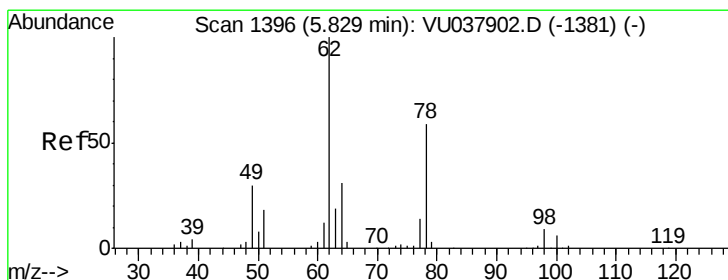
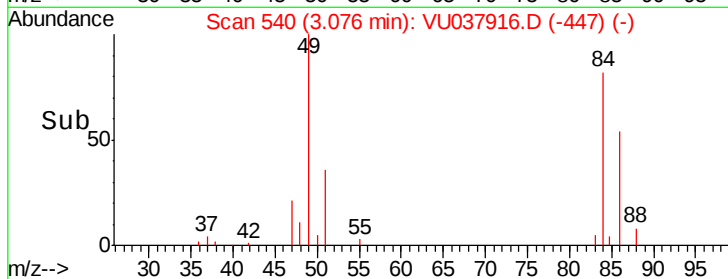
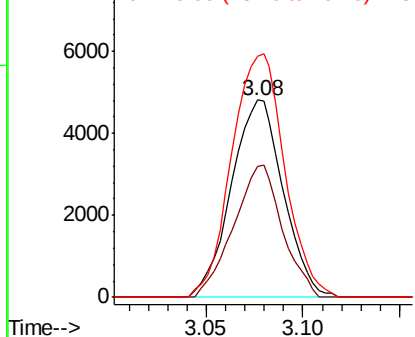
#16
Methvlene chloride
Concen: 1.979 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037916.D
Acq: 29 Apr 2020 16:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 8988
Ion Ratio Lower Upper
84 100
86 66.6 43.5 80.7
49 122.2 95.1 176.7

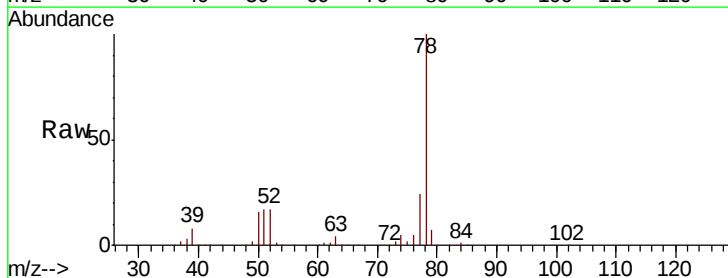


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

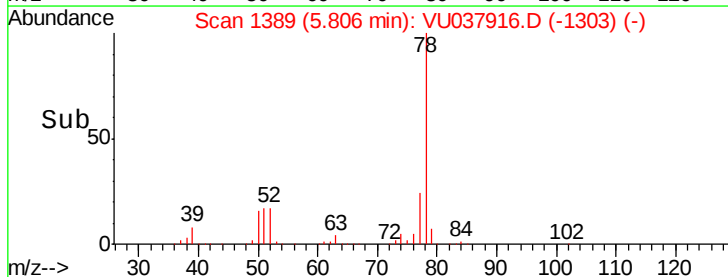
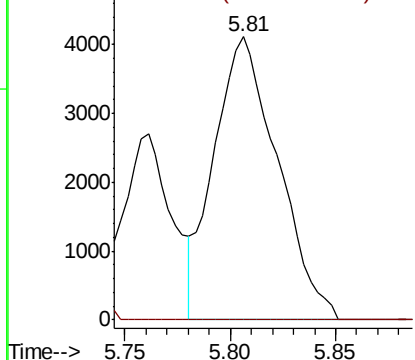


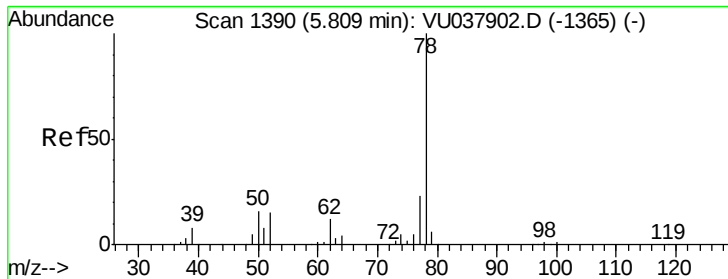
#27
1,2-Dichloroethane
Concen: 1.245 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.02 min
Lab File: VU037916.D
Acq: 29 Apr 2020 16:58

Tgt Ion: 62 Resp: 8596
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#33

Benzene

Concen: 46.896 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU037916.D

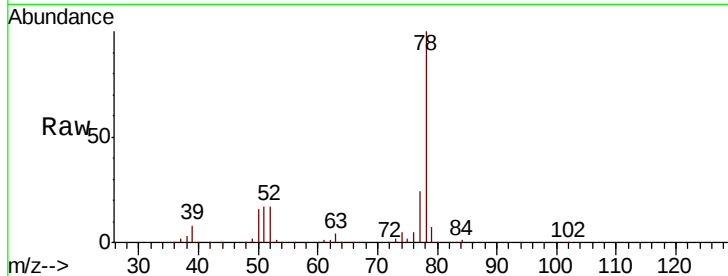
Acq: 29 Apr 2020 16:58

Instrument :

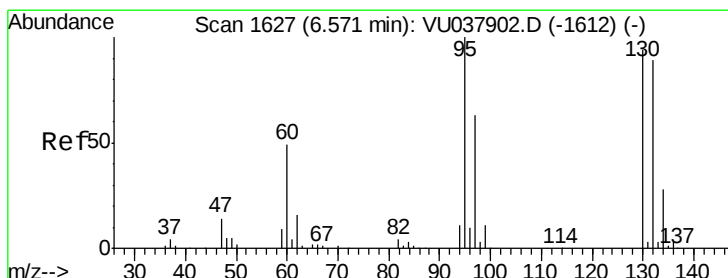
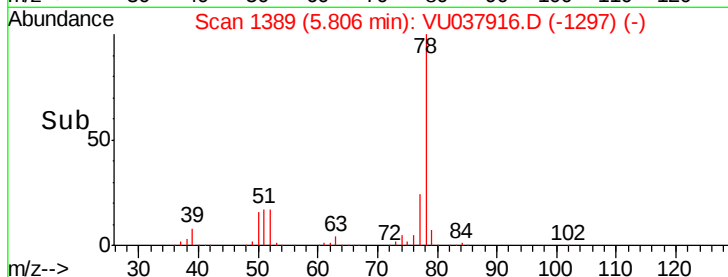
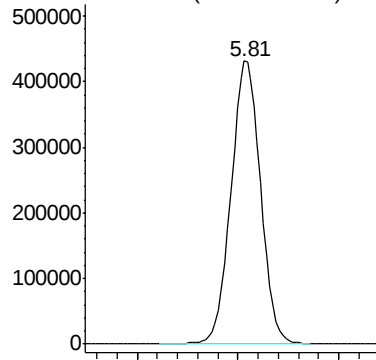
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 877979



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 45.455 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037916.D

Acq: 29 Apr 2020 16:58

Tgt Ion: 95 Resp: 208742

Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.4	82.5
132	91.6	65.0	120.6
130	93.4	65.5	121.7

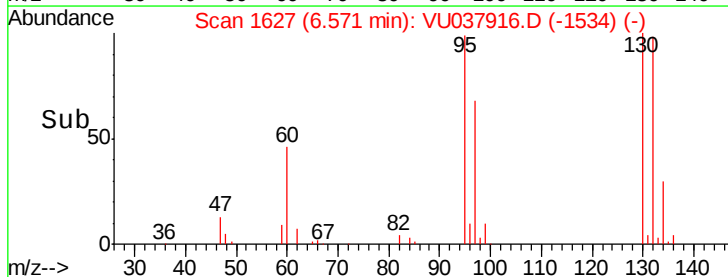
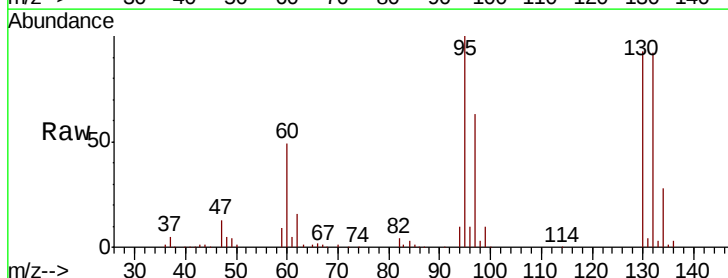
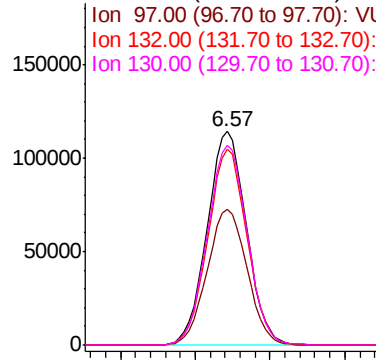
Ion 95.00 (94.70 to 95.70): VU0

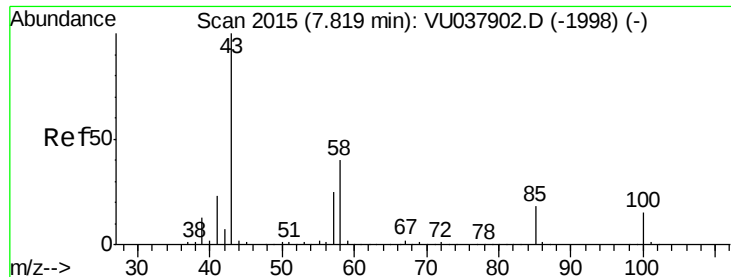
Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

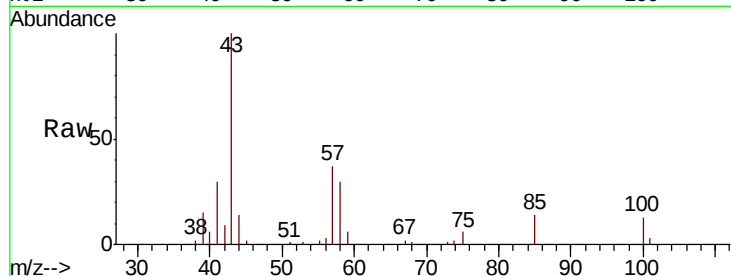




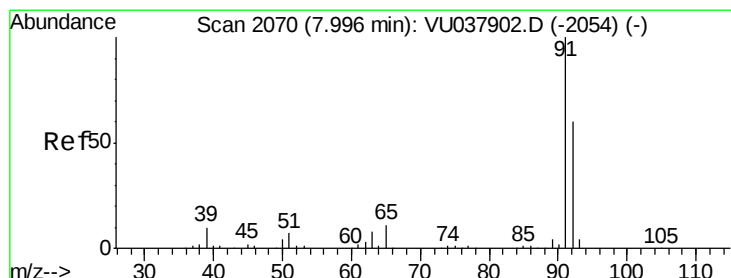
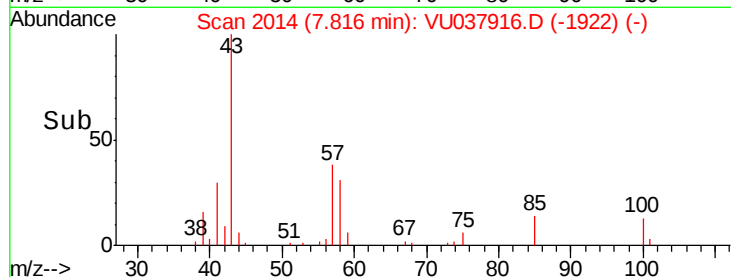
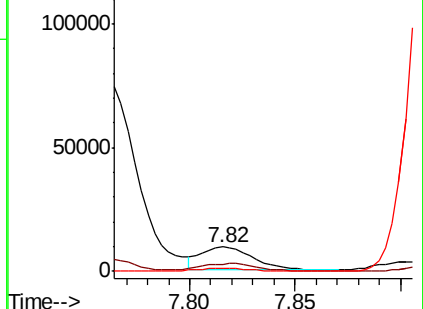
#40
4-Methyl-2-pentanone
Concen: 1.817 ug/L
RT: 7.82 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VU037916.D
Acq: 29 Apr 2020 16:58

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 16154
Ion Ratio Lower Upper
43 100
58 40.7 30.2 45.2
100 14.1 10.9 16.3

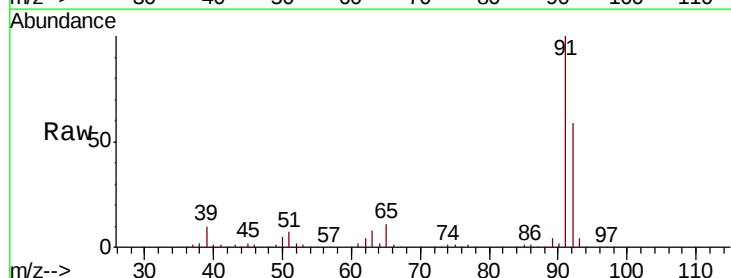


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

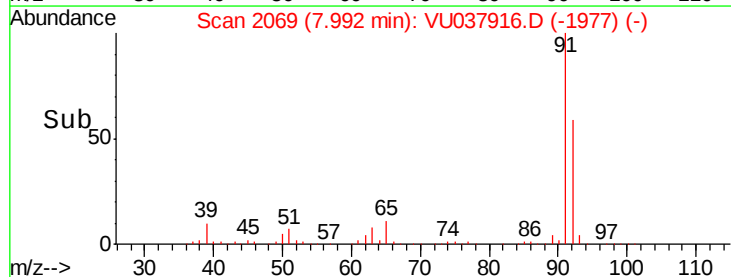
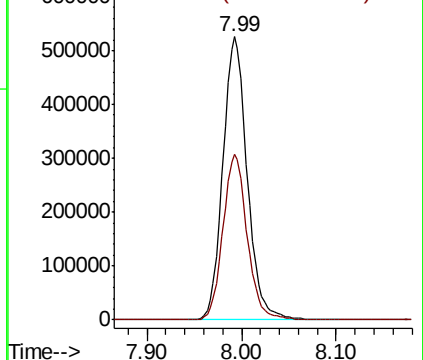


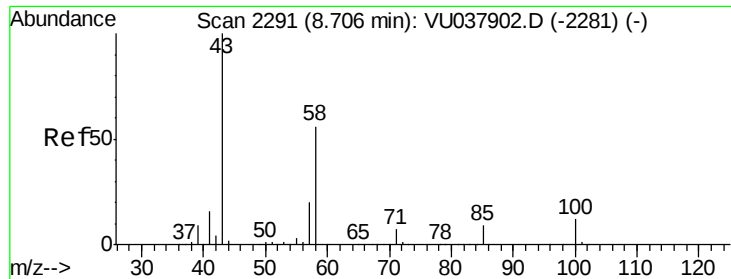
#42
Toluene
Concen: 47.781 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU037916.D
Acq: 29 Apr 2020 16:58

Tgt Ion: 91 Resp: 937886
Ion Ratio Lower Upper
91 100
92 58.7 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0

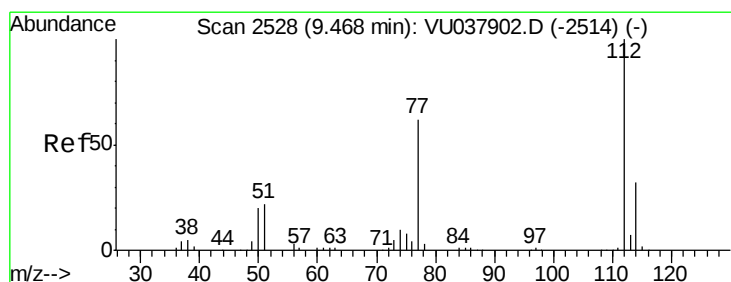
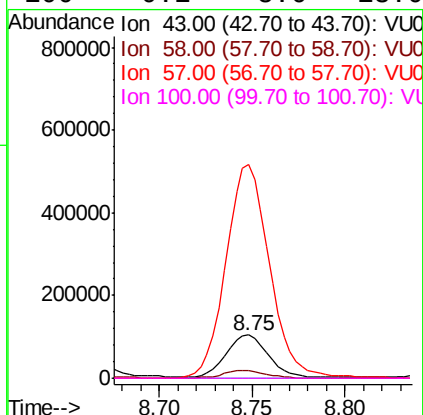
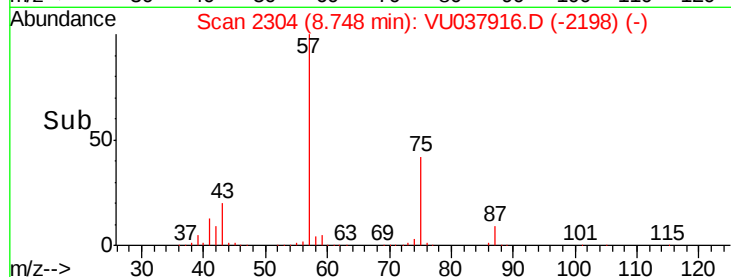
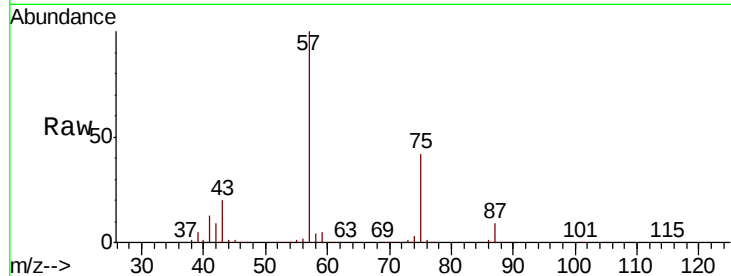




#48
2-Hexanone
Concen: 24.140 ug/L
RT: 8.75 min Scan# 2304
Delta R.T. 0.04 min
Lab File: VU037916.D
Acq: 29 Apr 2020 16:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 169727
Ion Ratio Lower Upper
43 100
58 17.7 42.6 63.8#
57 499.6 14.6 22.0#
100 0.1 8.6 13.0#



#51
Chlorobenzene
Concen: 46.939 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU037916.D
Acq: 29 Apr 2020 16:58

Tgt Ion: 112 Resp: 573091
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.3
77 62.7 49.8 74.6

