

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037915.D
 Acq On : 29 Apr 2020 16:36
 Operator : JC/MD
 Sample : L2411-02MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBFF7MS

Quant Time: Apr 30 03:11:01 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	589005	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	575729	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	266190	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	207398	40.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.60%
7) Chloroethane-d5	1.93	69	194249	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.59	63	381934	45.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.70%
21) 2-Butanone-d5	4.66	46	476758	116.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.92%
24) Chloroform-d	5.10	84	409512	52.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.48%
26) 1,2-Dichloroethane-d4	5.74	65	284706	52.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.90%
32) Benzene-d6	5.76	84	848629	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.24%
36) 1,2-Dichloropropane-d6	6.72	67	291384	53.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.02%
41) Toluene-d8	7.92	98	758654	50.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	8.20	79	134856	48.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.22%
47) 2-Hexanone-d5	8.65	63	384146	129.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	129.59%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	425312	56.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.28%
64) 1,2-Dichlorobenzene-d4	12.20	152	286906	55.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.78%

Target Compounds

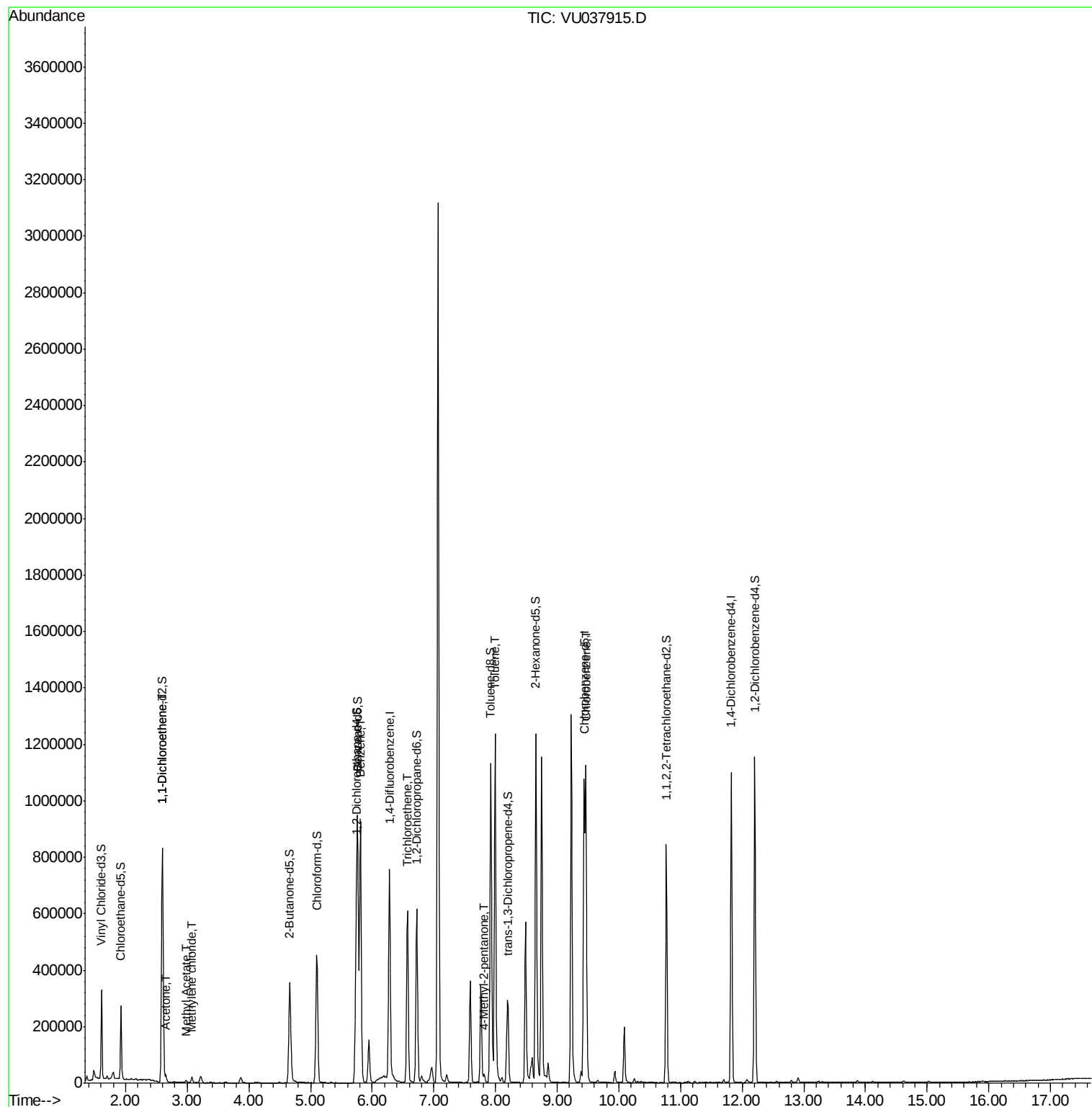
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	176417	49.335	ug/L	90
13) Acetone	2.65	43	29752	12.229	ug/L	99
15) Methyl Acetate	2.98	43	9496	1.615	ug/L	97
16) Methylene chloride	3.08	84	9107	2.143	ug/L	98
33) Benzene	5.81	78	858874	49.150	ug/L	100
34) Trichloroethene	6.57	95	204692	47.755	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	16594	1.999	ug/L	98
42) Toluene	7.99	91	912194	49.789	ug/L	99
51) Chlorobenzene	9.47	112	564582	49.543	ug/L	100

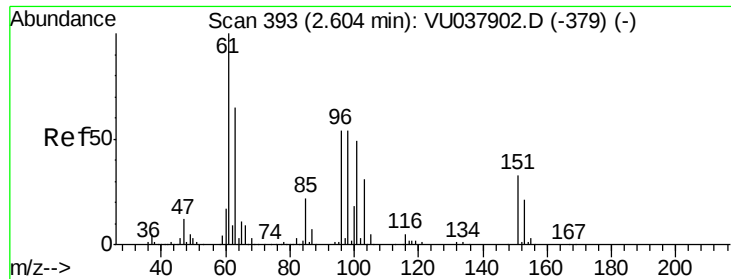
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 49.335 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037915.D

Acq: 29 Apr 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

DBFF7MS

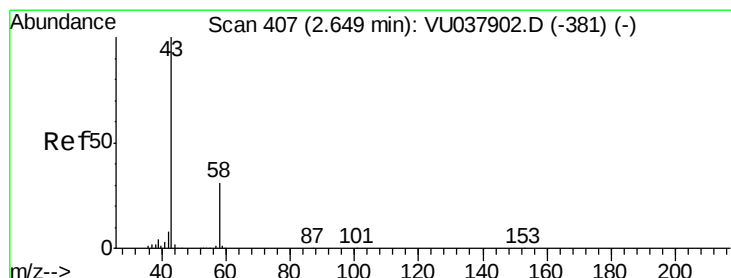
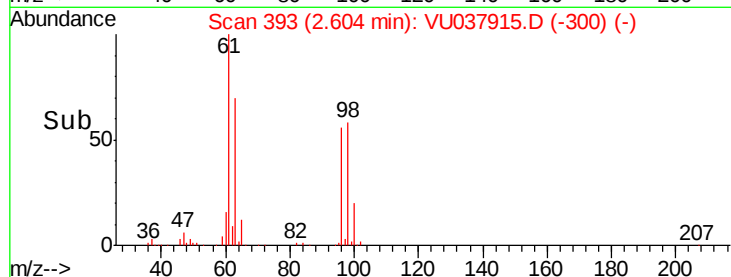
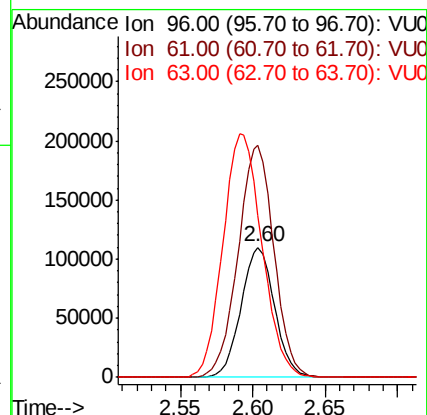
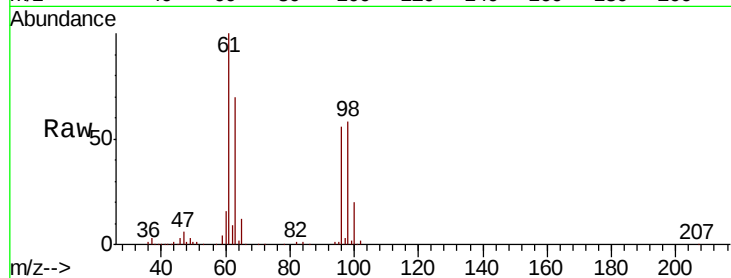
Tot Ion: 96 Resp: 176417

Ion Ratio Lower Upper

96 100

61 178.3 134.1 249.0

63 124.1 96.5 179.1



#13

Acetone

Concen: 12.229 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037915.D

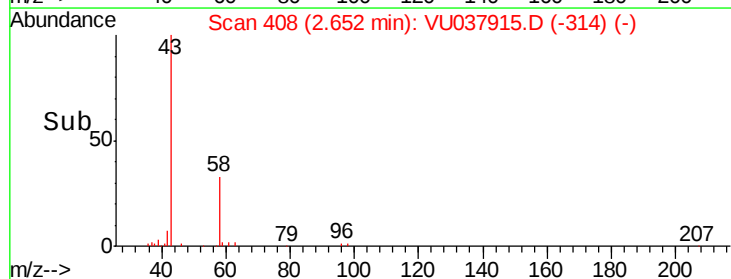
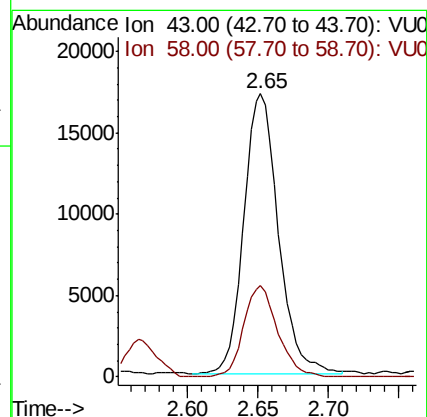
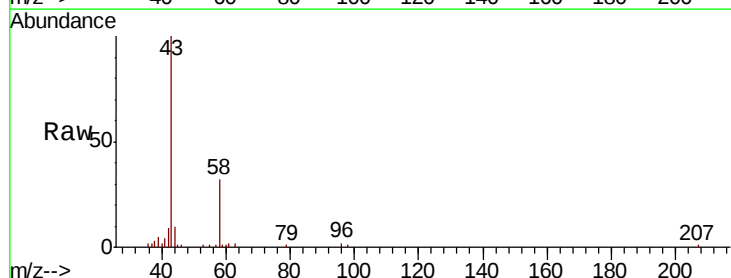
Acq: 29 Apr 2020 16:36

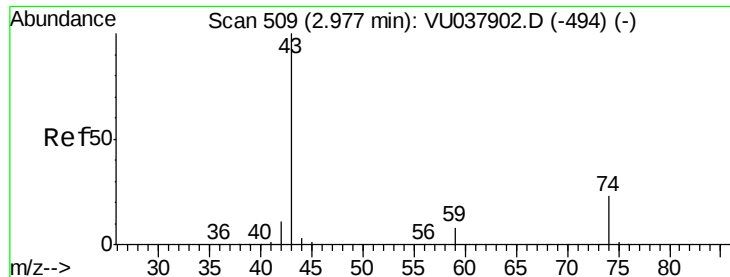
Tgt Ion: 43 Resp: 29752

Ion Ratio Lower Upper

43 100

58 31.8 0.0 62.0

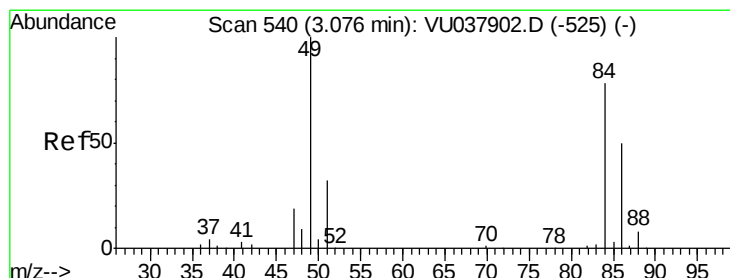
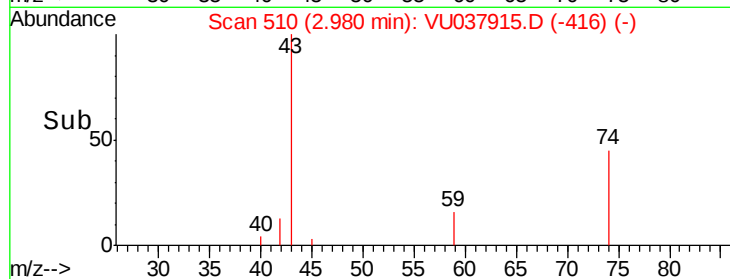
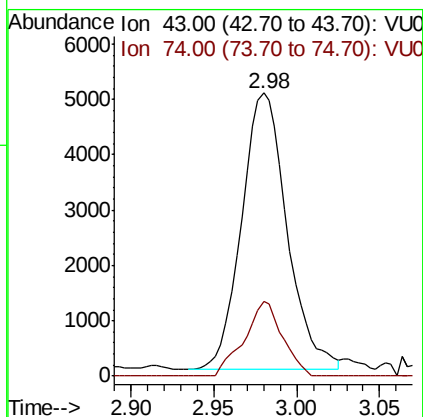
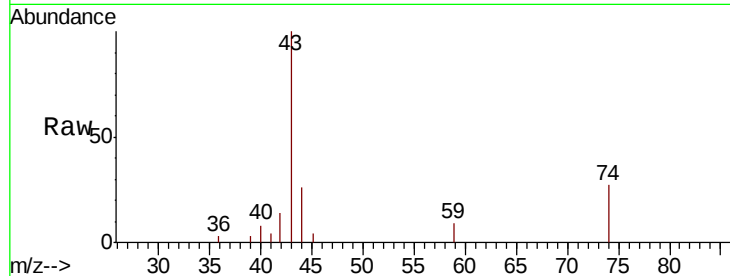




#15
Methvl Acetate
Concen: 1.615 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037915.D
Acq: 29 Apr 2020 16:36

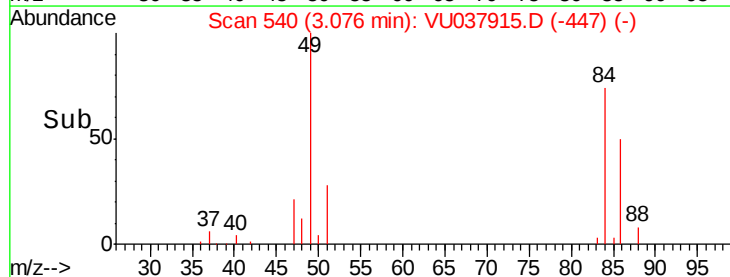
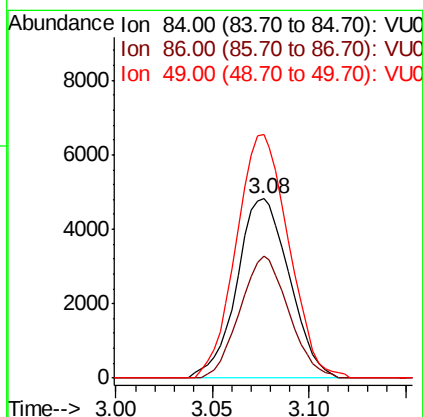
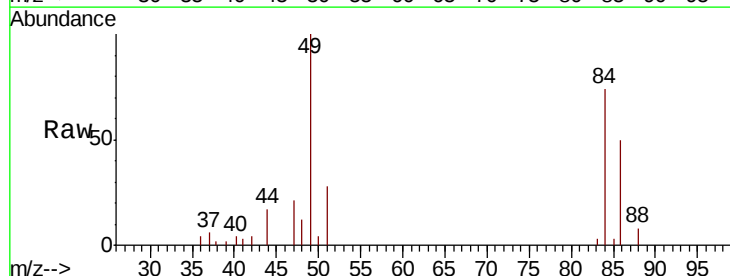
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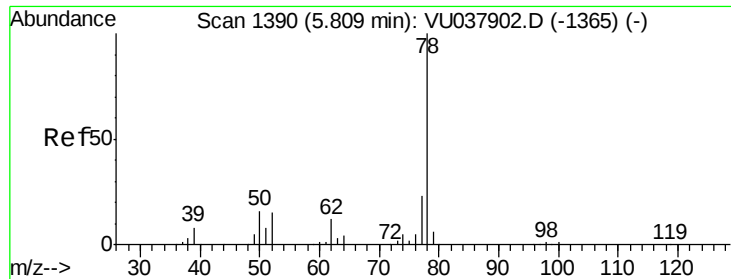
Tot Ion: 43 Resp: 9496
Ion Ratio Lower Upper
43 100
74 22.6 17.0 25.4



#16
Methylene chloride
Concen: 2.143 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037915.D
Acq: 29 Apr 2020 16:36

Tgt Ion: 84 Resp: 9107
Ion Ratio Lower Upper
84 100
86 68.1 43.5 80.7
49 135.9 95.1 176.7





#33

Benzene

Concen: 49.150 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037915.D

Acq: 29 Apr 2020 16:36

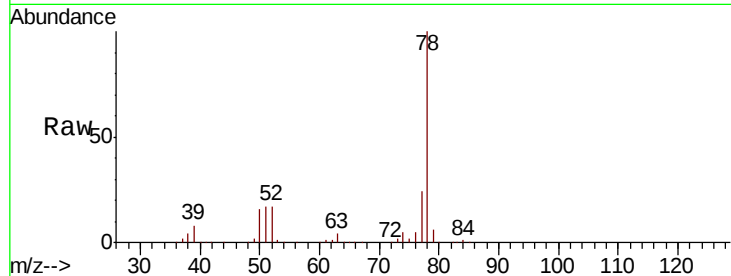
Instrument :

MSVOA_U

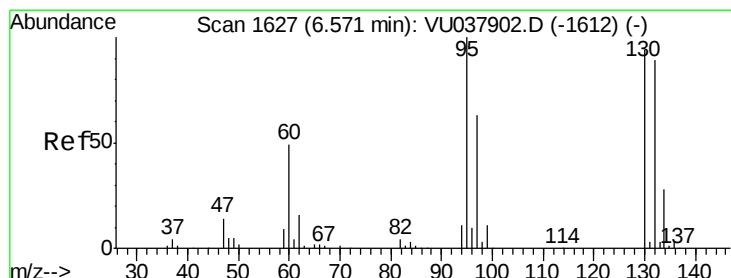
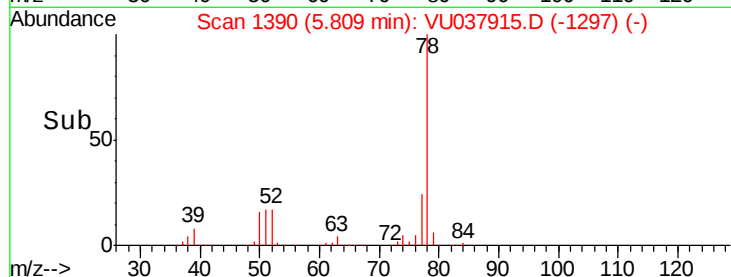
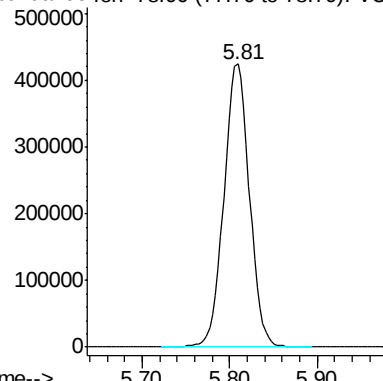
ClientSampleId :

DBFF7MS

Tgt Ion: 78 Resp: 858874



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 47.755 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037915.D

Acq: 29 Apr 2020 16:36

Tgt Ion: 95 Resp: 204692

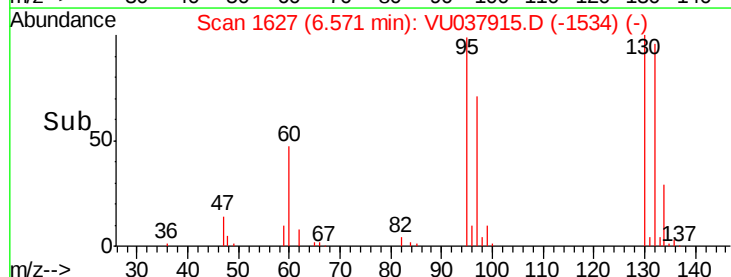
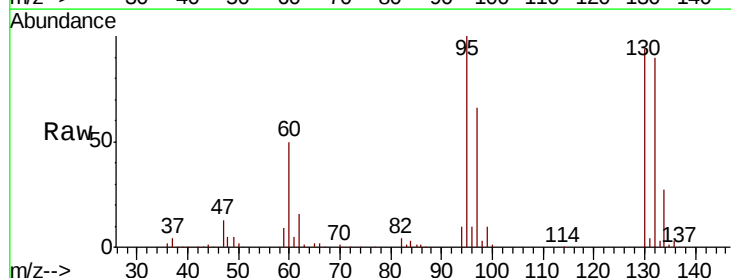
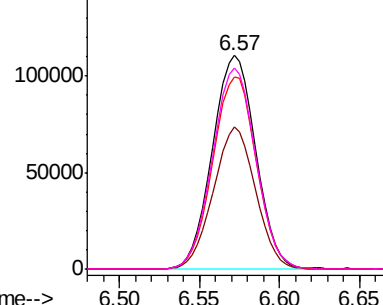
Ion	Ratio	Lower	Upper
95	100		
97	66.3	44.4	82.5
132	90.2	65.0	120.6
130	94.0	65.5	121.7

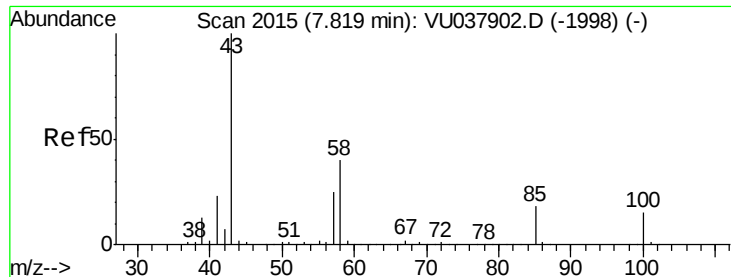
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

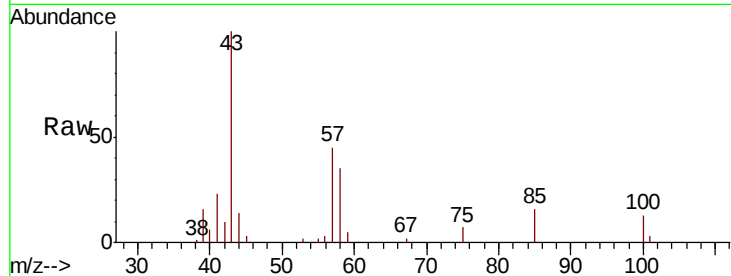




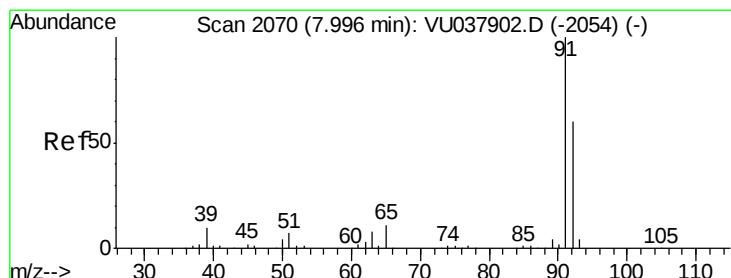
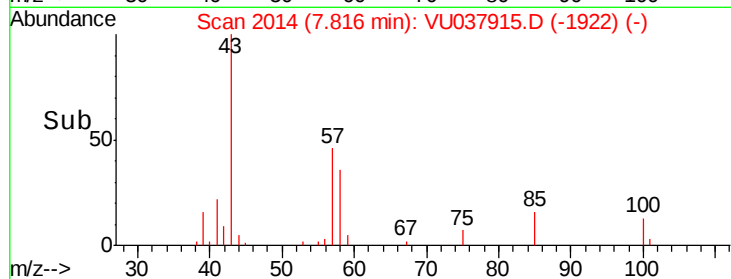
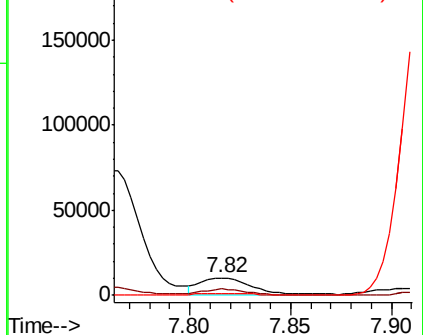
#40
4-Methyl-2-pentanone
Concen: 1.999 ug/L
RT: 7.82 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VU037915.D
Acq: 29 Apr 2020 16:36

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Tot Ion: 43 Resp: 16594
Ion Ratio Lower Upper
43 100
58 36.0 30.2 45.2
100 14.3 10.9 16.3

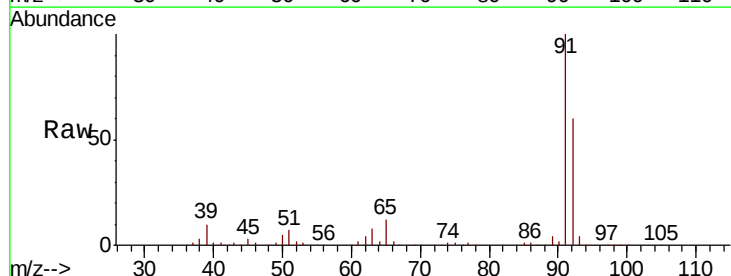


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

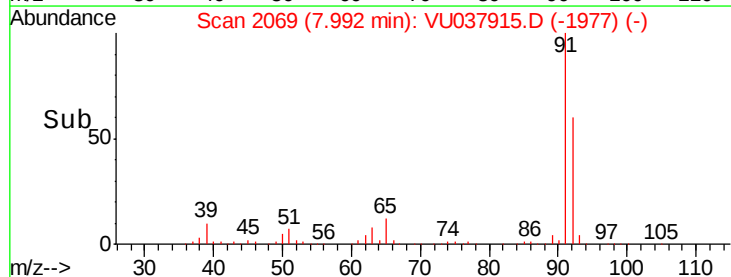
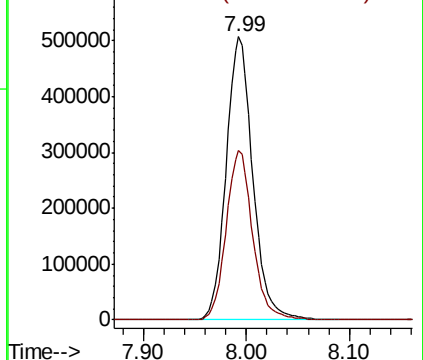


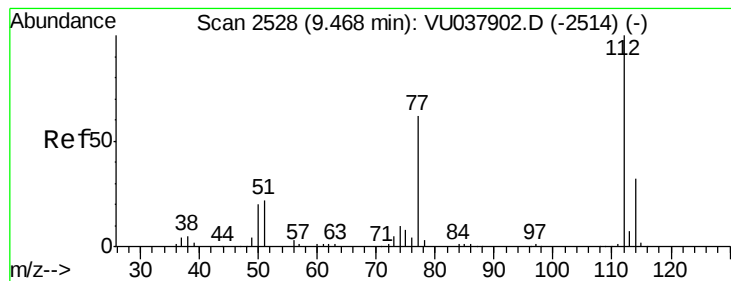
#42
Toluene
Concen: 49.789 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU037915.D
Acq: 29 Apr 2020 16:36

Tgt Ion: 91 Resp: 912194
Ion Ratio Lower Upper
91 100
92 59.9 41.2 76.6



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





#51

Chlorobenzene

Concen: 49.543 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU037915.D

Acq: 29 Apr 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

DBFF7MS

Tot Ion:112 Resp: 564582

Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

77 62.2 49.8 74.6

