

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032820\
 Data File : VU037424.D
 Acq On : 28 Mar 2020 18:11
 Operator : JC/MD
 Sample : L2002-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 30 00:24:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Mar 30 00:15:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	113538	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	108910	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	53607	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	39410	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.93	69	32041	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.59	63	60809	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	4.67	46	105627	46.24	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.48%
24) Chloroform-d	5.10	84	72112	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.74	65	44221	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.76	84	152739	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.72	67	50368	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.93	98	143237	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	8.20	79	23462	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.66	63	95339	48.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.94%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	40272	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	53508	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

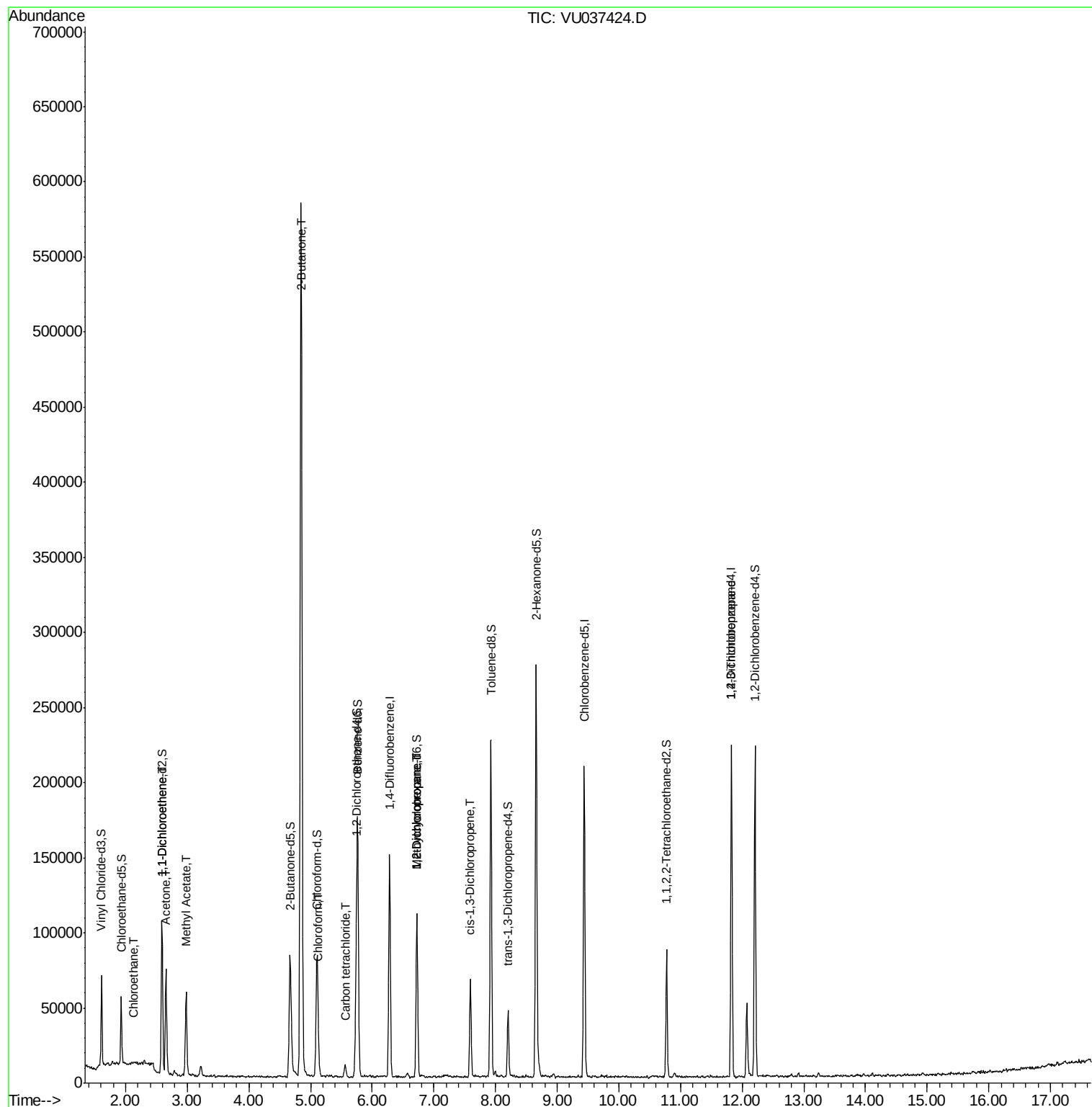
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	2.13	64	575	0.116	ug/L	85
12) 1,1-Dichloroethene	2.59	96	766	0.103	ug/L #	1
13) Acetone	2.66	43	73281	55.830	ug/L	100
15) Methyl Acetate	2.98	43	65777	17.937	ug/L	97
21) 2-Butanone	4.84	43	750974	336.547	ug/L #	46
25) Chloroform	5.13	83	9738	0.634	ug/L	99
31) Carbon tetrachloride	5.56	117	5419	0.458	ug/L	96
35) Methylcyclohexane	6.72	83	11155	0.767	ug/L #	20
37) 1,2-Dichloropropane	6.72	63	5516	0.662	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	1679	0.123	ug/L #	50
59) 1,2,3-Trichloropropane	11.83	75	7422	1.280	ug/L	96

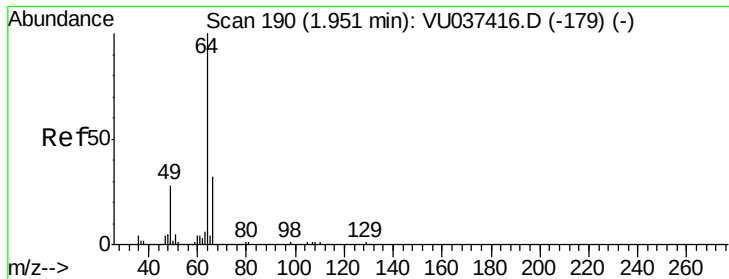
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.116 ug/L

RT: 2.13 min Scan# 246

Delta R.T. 0.18 min

Lab File: VU037424.D

Acq: 28 Mar 2020 18:11

Instrument :

MSVOA_U

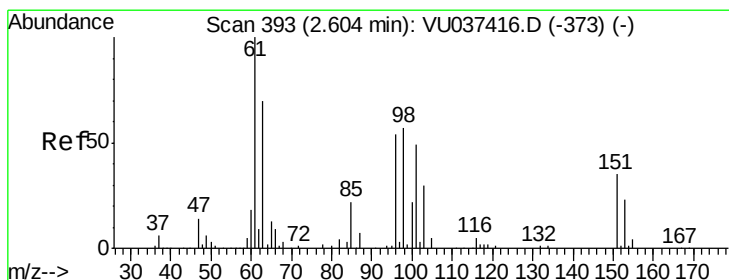
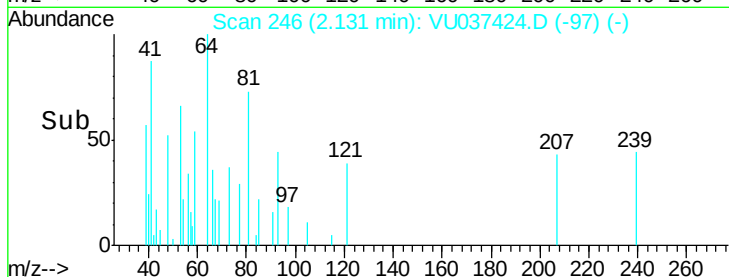
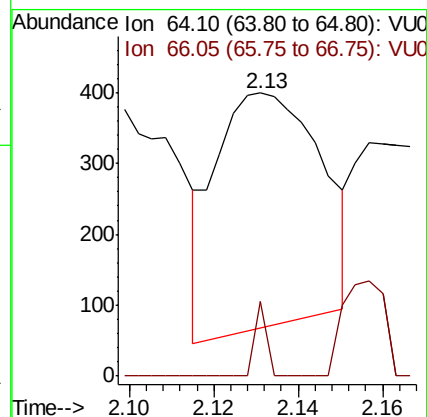
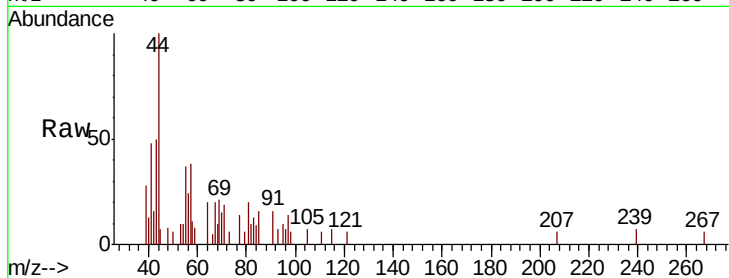
ClientSampled :

Tot Ion: 64 Resp: 575

Ion Ratio Lower Upper

64 100

66 26.6 24.8 46.0



#12

1,1-Dichloroethene

Concen: 0.103 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU037424.D

Acq: 28 Mar 2020 18:11

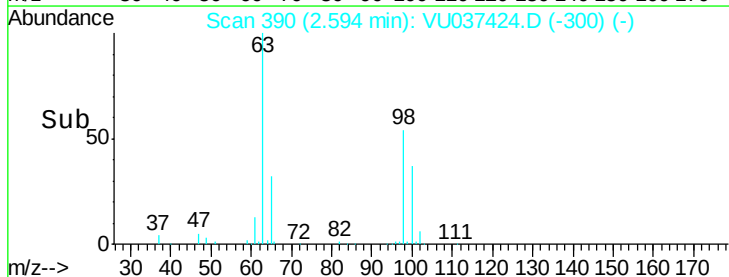
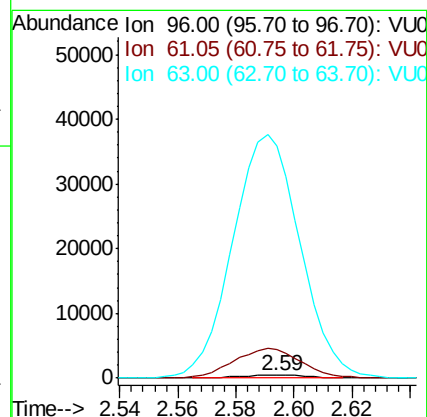
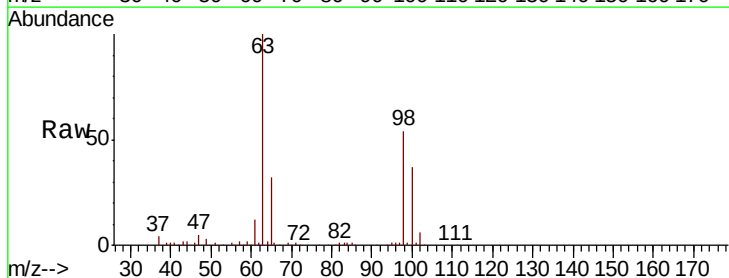
Tgt Ion: 96 Resp: 766

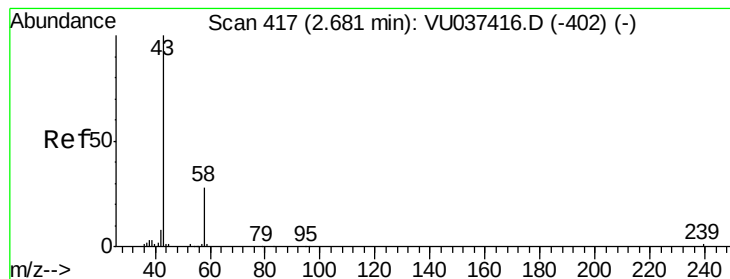
Ion Ratio Lower Upper

96 100

61 983.7 125.4 232.8#

63 7885.5 90.9 168.7#





#13

Acetone

Concen: 55.830 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.03 min

Lab File: VU037424.D

Acq: 28 Mar 2020 18:11

Instrument :

MSVOA_U

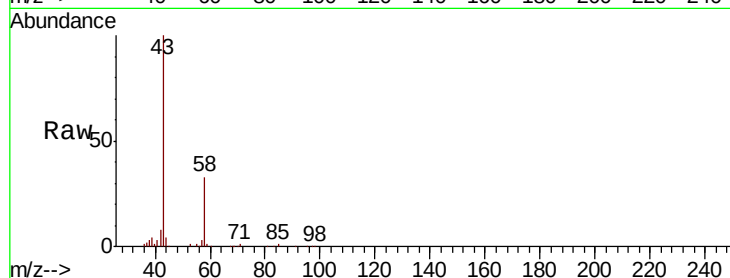
ClientSampleId :

Tot Ion: 43 Resp: 73281

Ion Ratio Lower Upper

43 100

58 33.2 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU037416.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU037416.D (-402) (-)

2.66

50000

40000

30000

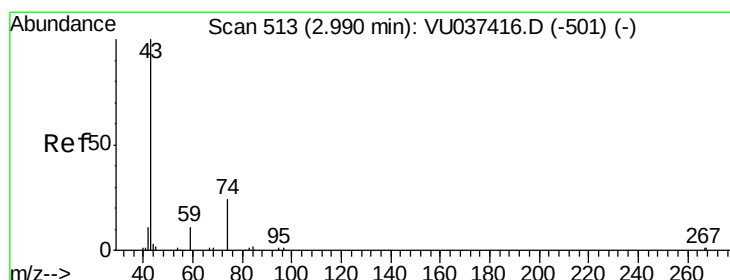
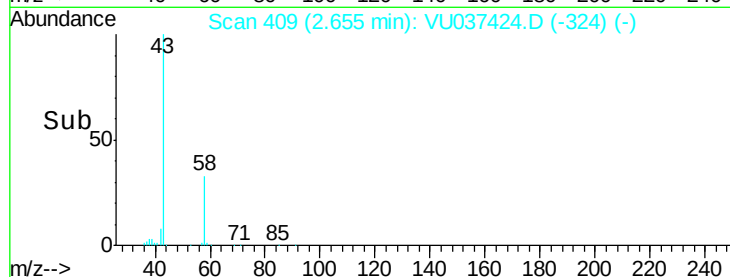
20000

10000

0

Time-->

2.60 2.65 2.70



#15

Methyl Acetate

Concen: 17.937 ug/L

RT: 2.98 min Scan# 510

Delta R.T. -0.01 min

Lab File: VU037424.D

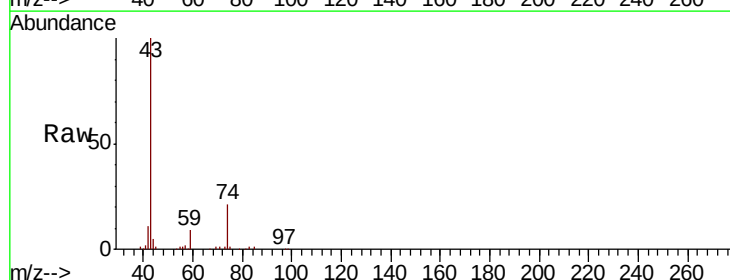
Acq: 28 Mar 2020 18:11

Tgt Ion: 43 Resp: 65777

Ion Ratio Lower Upper

43 100

74 23.4 19.8 29.6



Abundance Ion 43.05 (42.75 to 43.75): VU037416.D (-501) (-)

Ion 74.05 (73.75 to 74.75): VU037416.D (-501) (-)

2.98

40000

30000

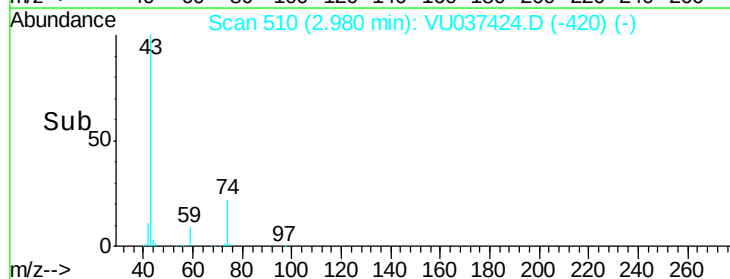
20000

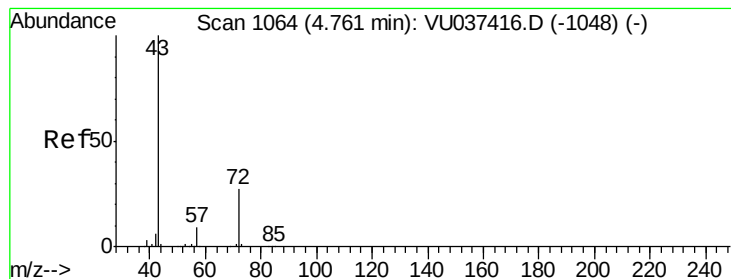
10000

0

Time-->

2.90 2.95 3.00 3.05





#21

2-Butanone

Concen: 336.547 ug/L

RT: 4.84 min Scan# 1090

Delta R.T. 0.08 min

Lab File: VU037424.D

Acq: 28 Mar 2020 18:11

Instrument :

MSVOA_U

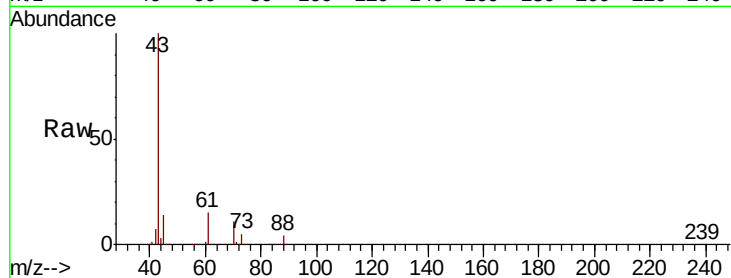
ClientSampleId :

Tot Ion: 43 Resp: 750974

Ion Ratio Lower Upper

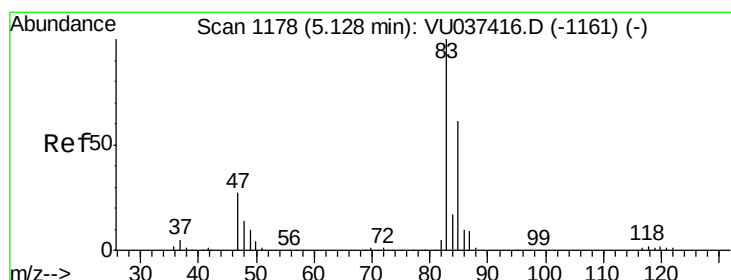
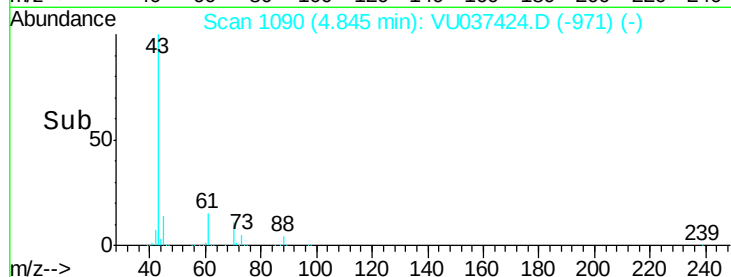
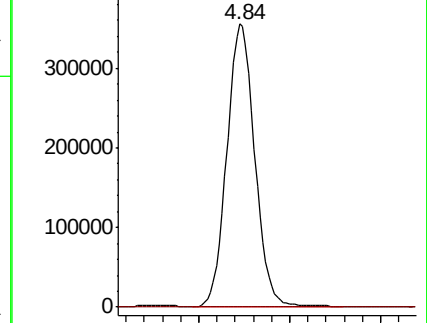
43 100

72 0.0 14.2 42.6#



Abundance Ion 43.05 (42.75 to 43.75): VU037416.D (-1048) (-)

Ion 72.10 (71.80 to 72.80): VU037416.D (-1048) (-)



#25

Chloroform

Concen: 0.634 ug/L

RT: 5.13 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VU037424.D

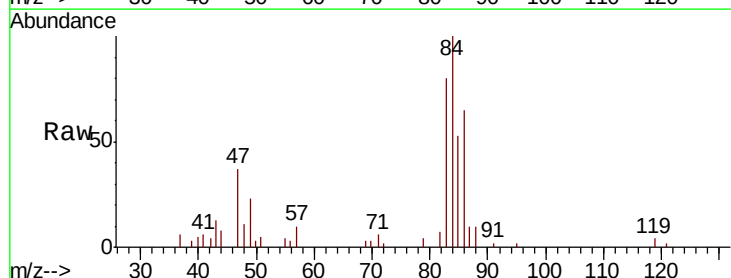
Acq: 28 Mar 2020 18:11

Tgt Ion: 83 Resp: 9738

Ion Ratio Lower Upper

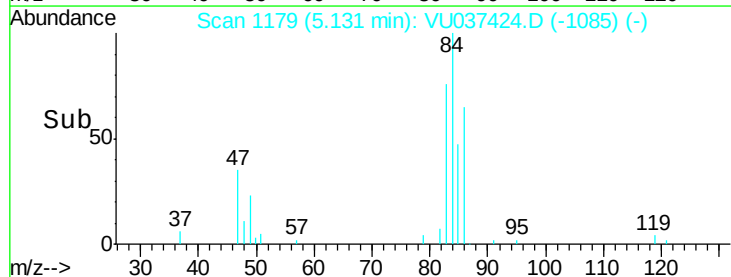
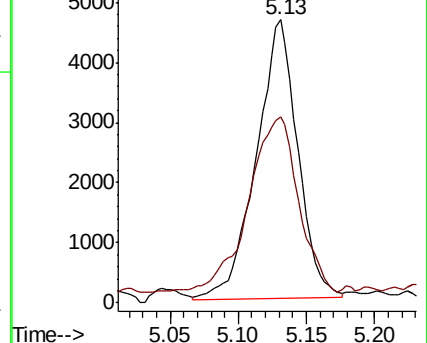
83 100

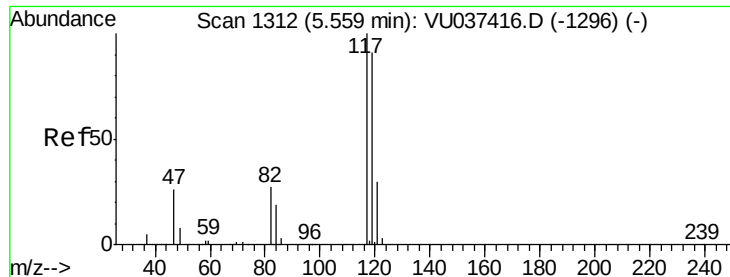
85 65.6 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU037416.D (-1161) (-)

Ion 85.00 (84.70 to 85.70): VU037416.D (-1161) (-)

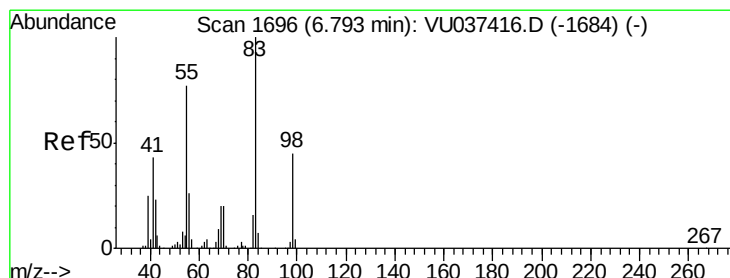
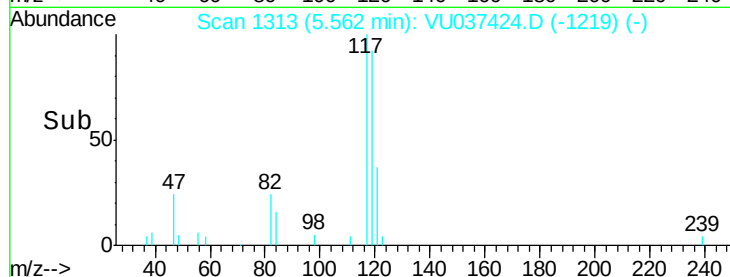
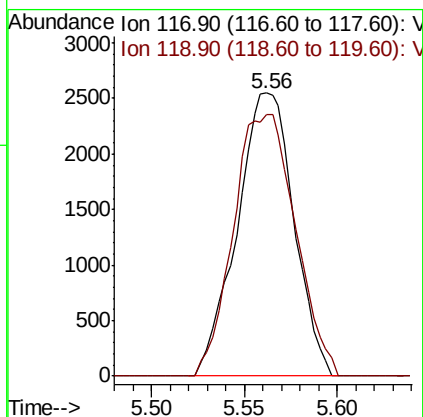
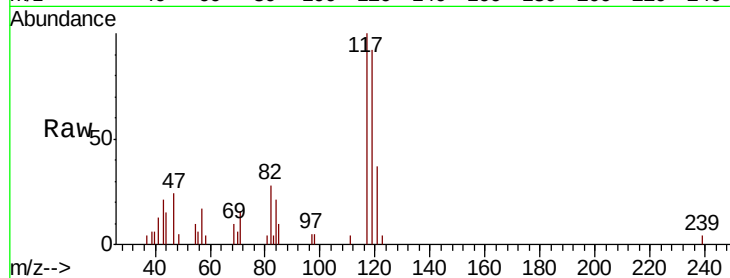




#31
Carbon tetrachloride
Concen: 0.458 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU037424.D
Acq: 28 Mar 2020 18:11

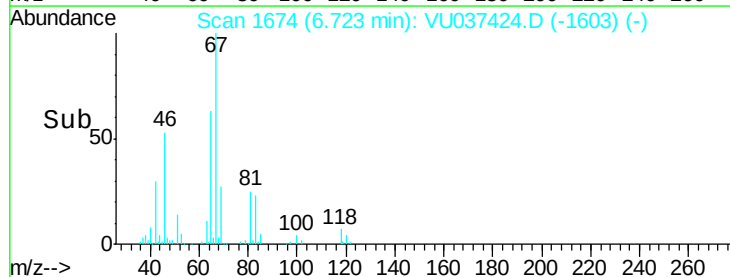
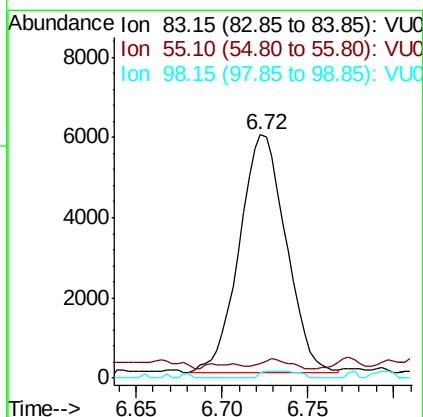
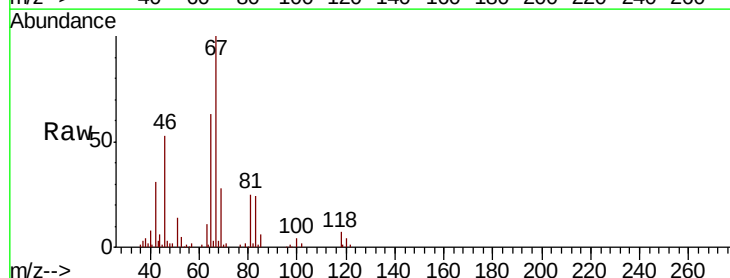
Instrument :
MSVOA_U
ClientSampled :

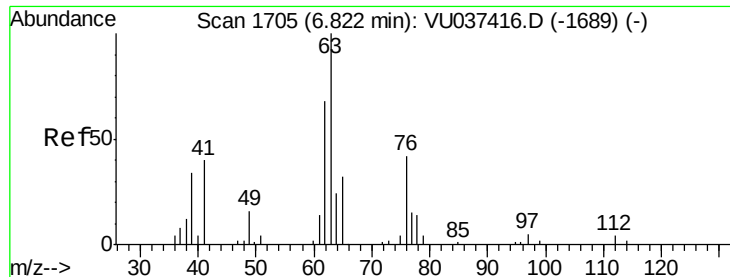
Tot Ion:117 Resp: 5419
Ion Ratio Lower Upper
117 100
119 101.1 77.7 116.5



#35
Methylcyclohexane
Concen: 0.767 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037424.D
Acq: 28 Mar 2020 18:11

Tgt Ion: 83 Resp: 11155
Ion Ratio Lower Upper
83 100
55 2.4 64.2 96.4#
98 2.4 36.3 54.5#

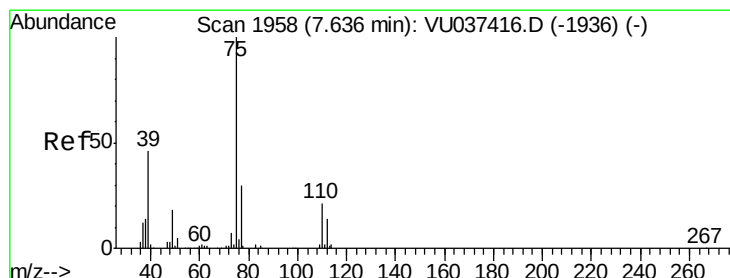
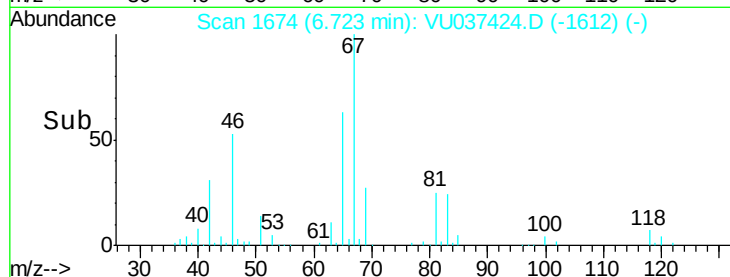
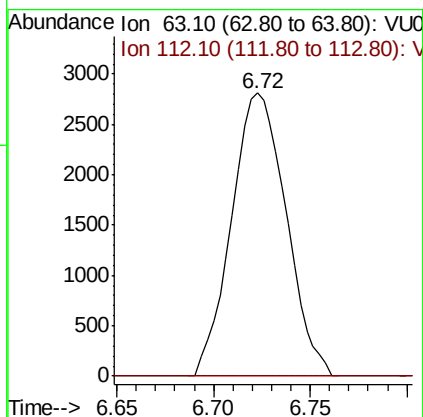
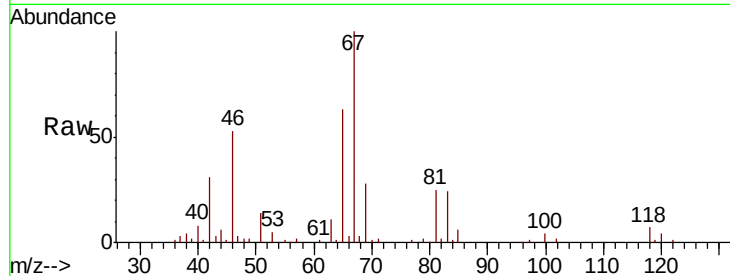




#37
 1,2-Dichloropropane
 Concen: 0.662 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037424.D
 Acq: 28 Mar 2020 18:11

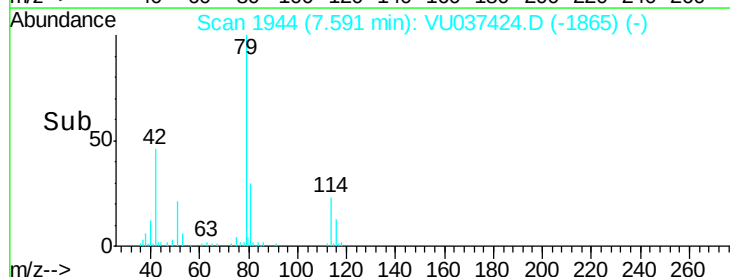
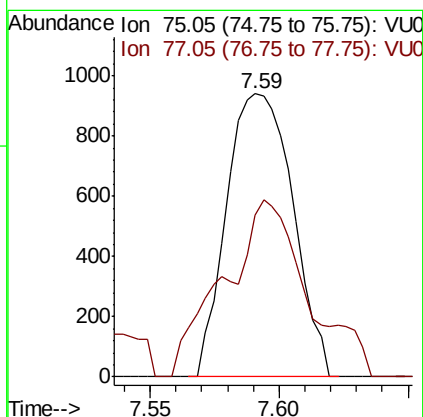
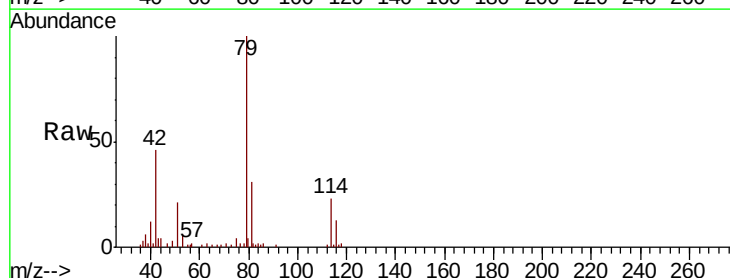
Instrument :
 MSVOA_U
 ClientSampleId :

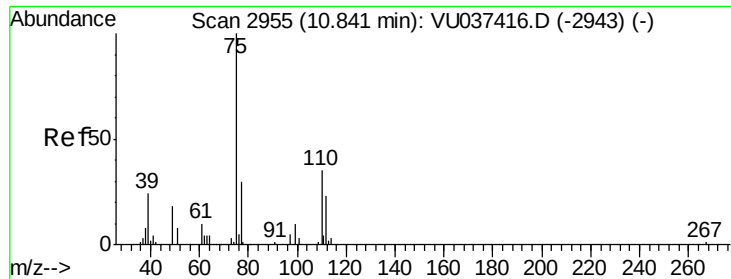
Tot Ion: 63 Resp: 5516
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.123 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037424.D
 Acq: 28 Mar 2020 18:11

Tgt Ion: 75 Resp: 1679
 Ion Ratio Lower Upper
 75 100
 77 57.1 21.1 39.3#





#59

1,2,3-Trichloropropane

Concen: 1.280 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037424.D

Acq: 28 Mar 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7422

Ion Ratio Lower Upper

75 100

77 36.5 27.4 41.2

