

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
 Data File : VU038314.D
 Acq On : 27 May 2020 12:41
 Operator : JC/MD
 Sample : L2749-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 28 04:18:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 04:16:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	293499	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	289914	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	146481	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	90450	3.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.40%
7) Chloroethane-d5	1.93	69	87800	3.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.60%
11) 1,1-Dichloroethene-d2	2.59	63	143011	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.66	46	370670	55.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.92%
24) Chloroform-d	5.10	84	202684	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.74	65	122185	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.76	84	425755	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.72	67	135146	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.92	98	380875	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	8.20	79	54945	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.65	63	302692	57.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.14%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	114347	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	151756	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

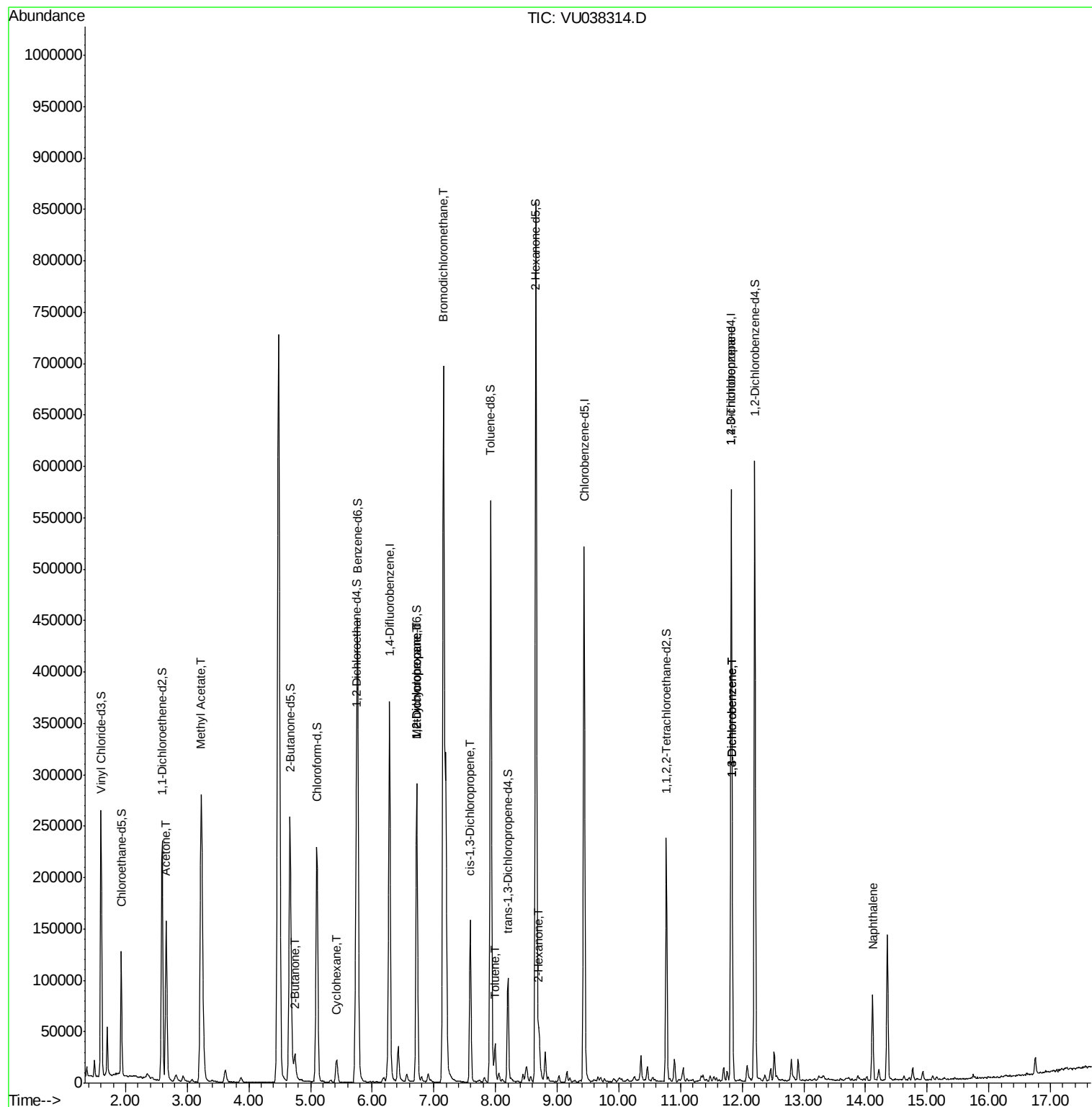
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	186409	44.856	ug/L	97
15) Methyl Acetate	3.23	43	56361	4.848	ug/L #	53
21) 2-Butanone	4.75	43	30658	4.180	ug/L	97
30) Cyclohexane	5.42	56	10952	0.279	ug/L	95
35) Methylcyclohexane	6.72	83	32324	0.859	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	14546	0.577	ug/L #	88
38) Bromodichloromethane	7.16	83	5959	0.204	ug/L #	1
39) cis-1,3-Dichloropropene	7.59	75	4019	0.111	ug/L #	76
42) Toluene	7.99	91	24521	0.250	ug/L	98
48) 2-Hexanone	8.71	43	27824	2.174	ug/L #	92
59) 1,2,3-Trichloropropane	11.82	75	22754	1.344	ug/L	98
62) 1,3-Dichlorobenzene	11.85	146	12277	0.258	ug/L	95
63) 1,4-Dichlorobenzene	11.85	146	12277	0.254	ug/L	92
69) Naphthalene	14.11	128	63709	0.965	ug/L	99

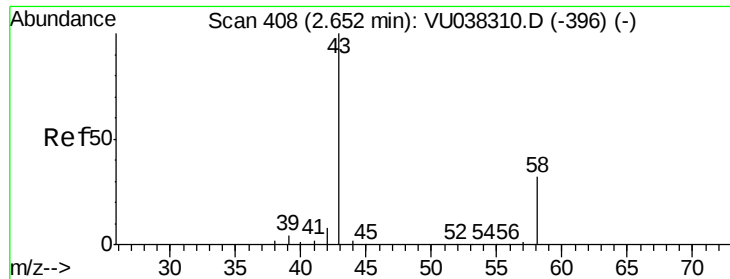
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 04:16:01 2020
Response via : Initial Calibration





#13

Acetone

Concen: 44.856 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU038314.D

Acq: 27 May 2020 12:41

Instrument :

MSVOA_U

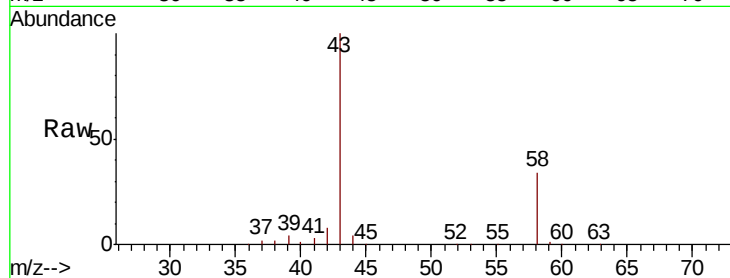
ClientSampleId :

Tot Ion: 43 Resp: 186409

Ion Ratio Lower Upper

43 100

58 33.5 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038314.D (-410) (-)

Ion 58.05 (57.75 to 58.75): VU038314.D (-410) (-)

2.66

100000

80000

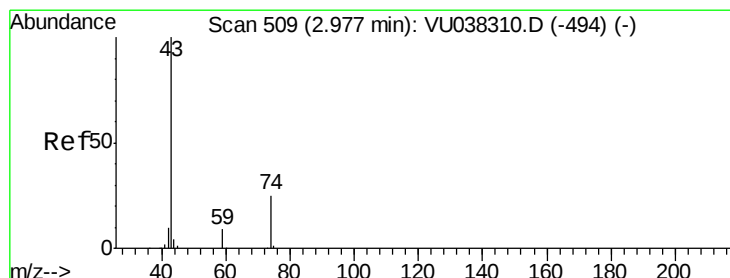
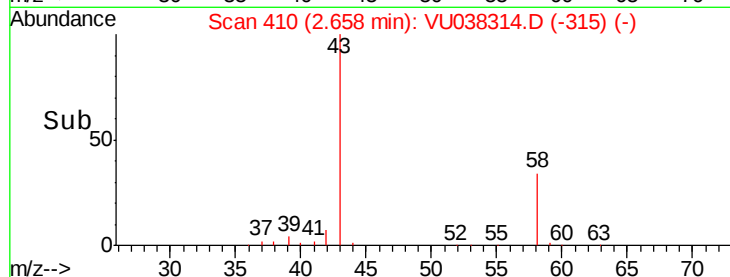
60000

40000

20000

0

Time--> 2.55 2.60 2.65 2.70 2.75



#15

Methyl Acetate

Concen: 4.848 ug/L

RT: 3.23 min Scan# 587

Delta R.T. 0.25 min

Lab File: VU038314.D

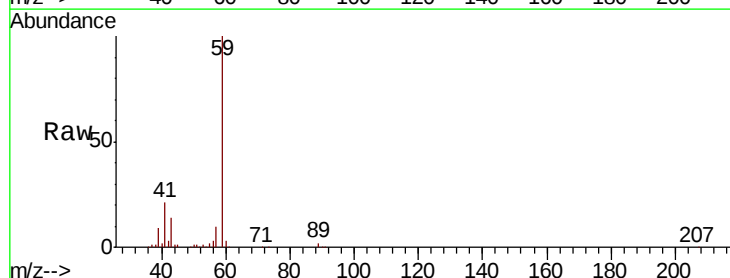
Acq: 27 May 2020 12:41

Tgt Ion: 43 Resp: 56361

Ion Ratio Lower Upper

43 100

74 0.1 18.0 27.0#



Abundance Ion 43.05 (42.75 to 43.75): VU038314.D (-587) (-)

Ion 74.05 (73.75 to 74.75): VU038314.D (-587) (-)

3.23

25000

20000

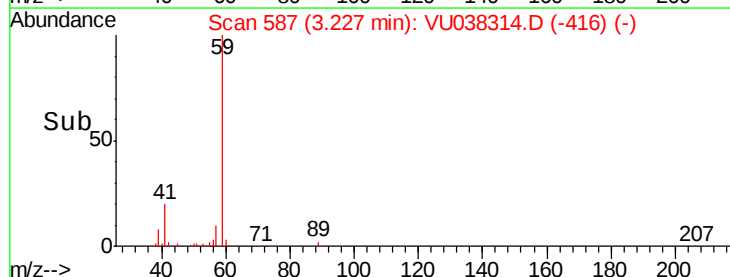
15000

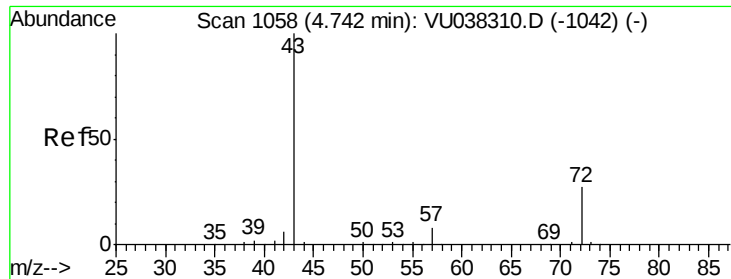
10000

5000

0

Time--> 3.15 3.20 3.25

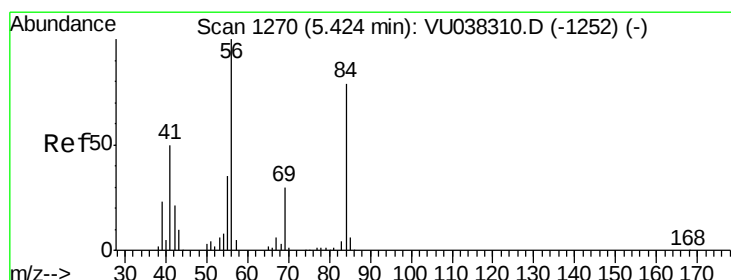
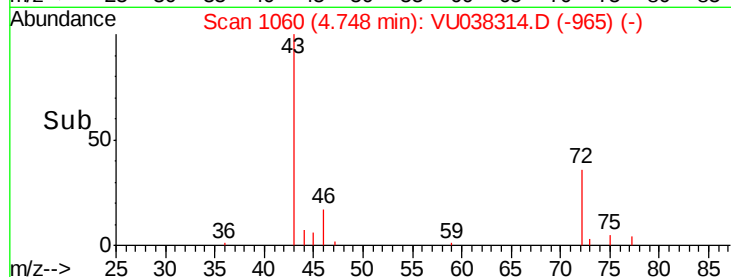
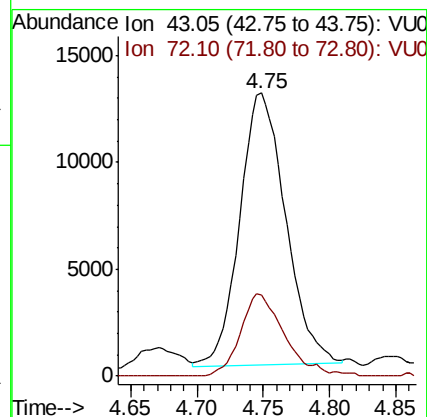
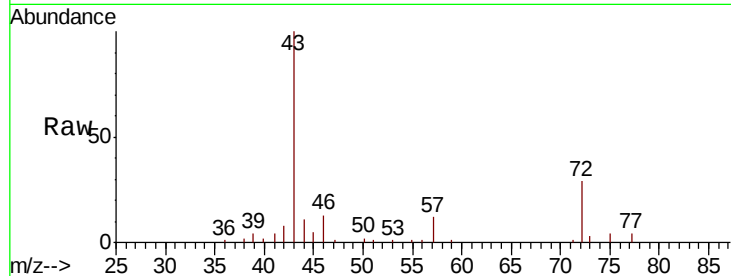




#21
2-Butanone
Concen: 4.180 ug/L
RT: 4.75 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VU038314.D
Acq: 27 May 2020 12:41

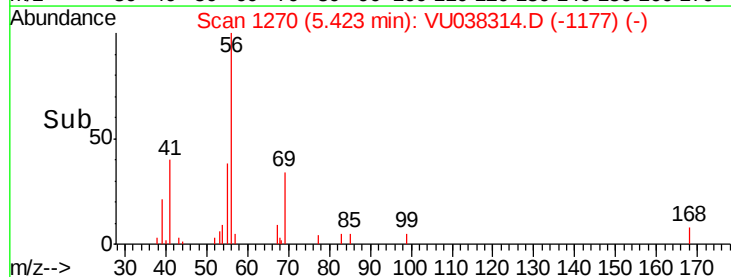
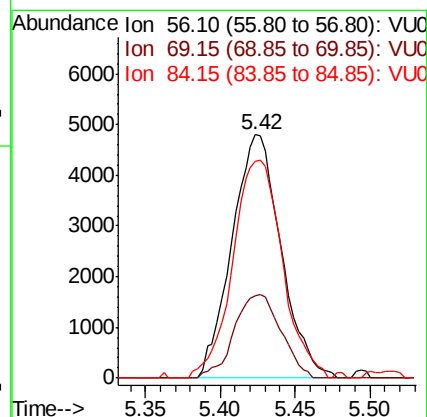
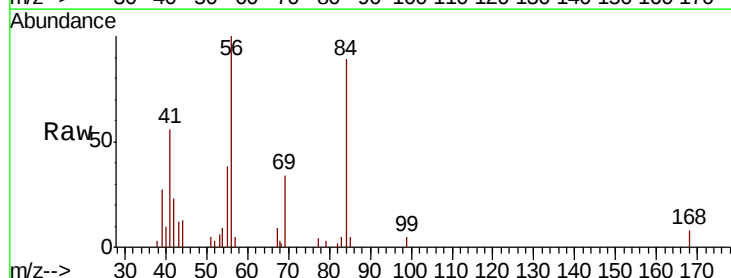
Instrument :
MSVOA_U
ClientSampled :

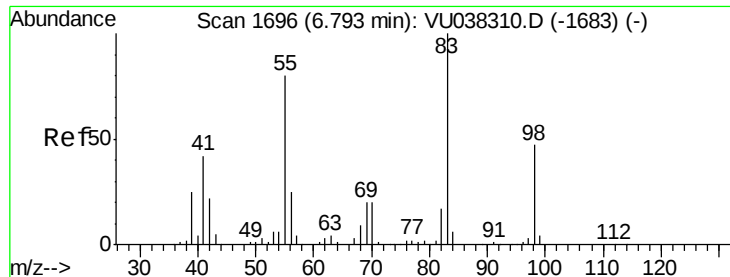
Tot Ion: 43 Resp: 30658
Ion Ratio Lower Upper
43 100
72 28.7 13.5 40.4



#30
Cyclohexane
Concen: 0.279 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038314.D
Acq: 27 May 2020 12:41

Tgt Ion: 56 Resp: 10952
Ion Ratio Lower Upper
56 100
69 32.7 24.2 36.4
84 90.3 68.5 102.7





#35

Methylcyclohexane

Concen: 0.859 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU038314.D

Acq: 27 May 2020 12:41

Instrument :
MSVOA_U
ClientSampleId :

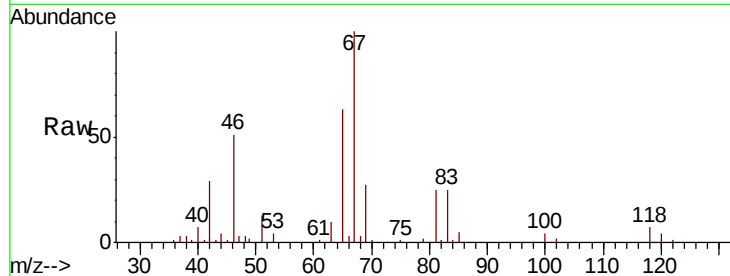
Tot Ion: 83 Resp: 32324

Ion Ratio Lower Upper

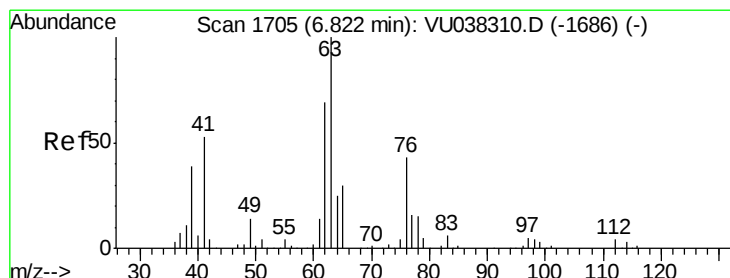
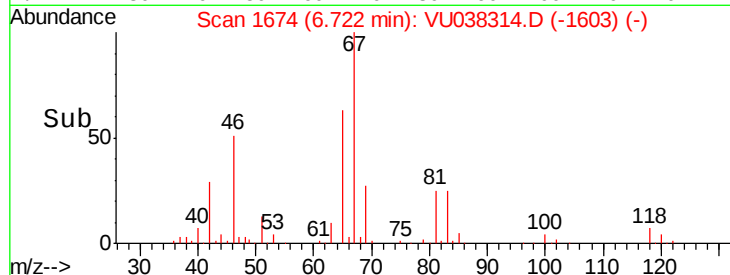
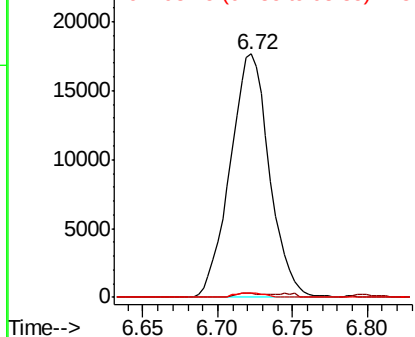
83 100

55 1.4 66.7 100.1#

98 1.4 39.4 59.2#



Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.577 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038314.D

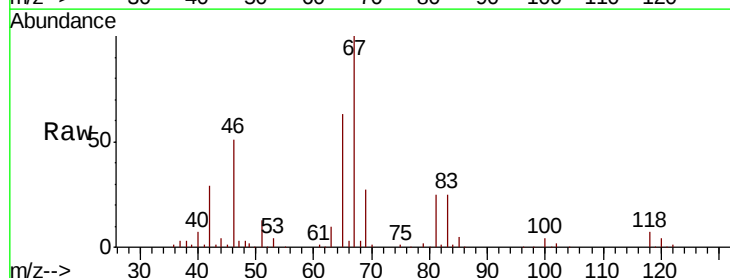
Acq: 27 May 2020 12:41

Tgt Ion: 63 Resp: 14546

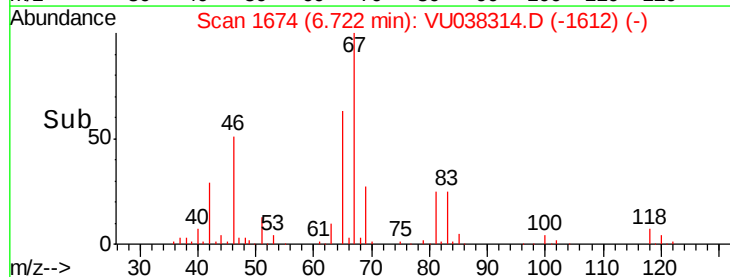
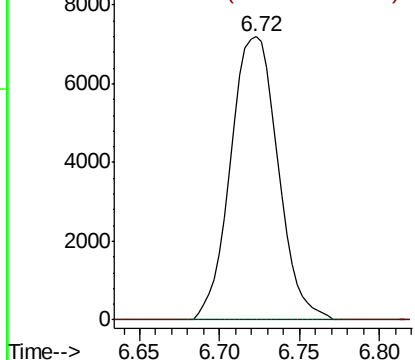
Ion Ratio Lower Upper

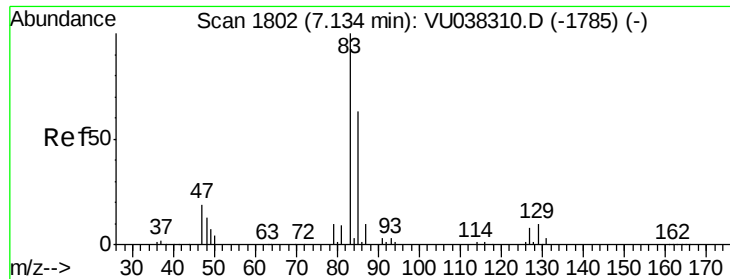
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

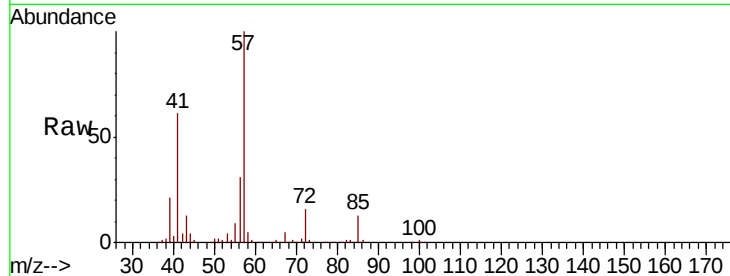




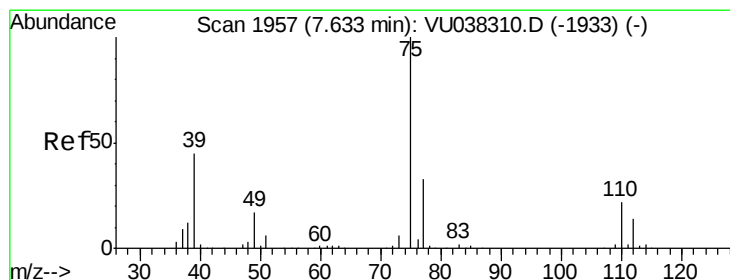
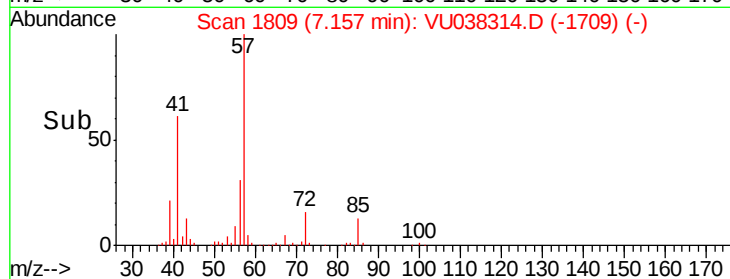
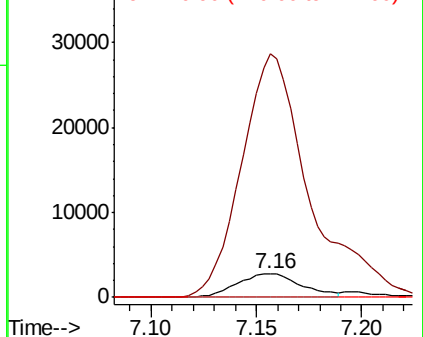
#38
 Bromodichloromethane
 Concen: 0.204 ug/L
 RT: 7.16 min Scan# 1809
 Delta R.T. 0.02 min
 Lab File: VU038314.D
 Acq: 27 May 2020 12:41

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 83 Resp: 5959
 Ion Ratio Lower Upper
 83 100
 85 1012.6 44.6 82.8#
 127 0.0 6.4 9.6#

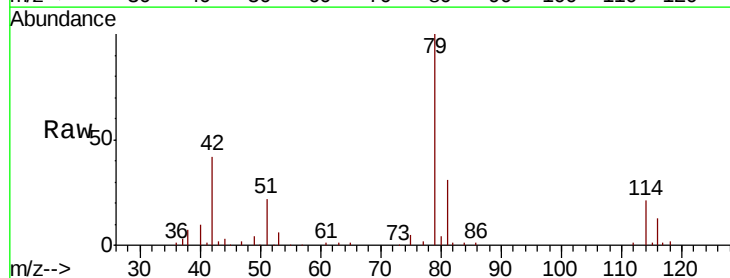


Abundance Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 126.90 (126.60 to 127.60): V

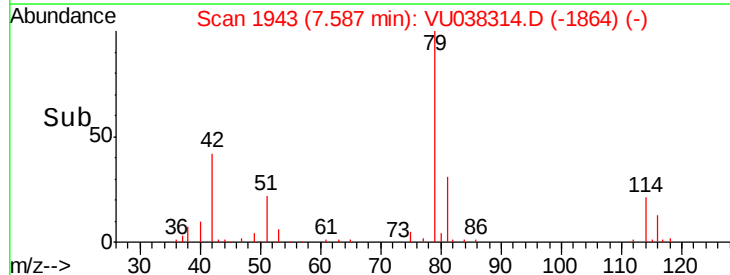
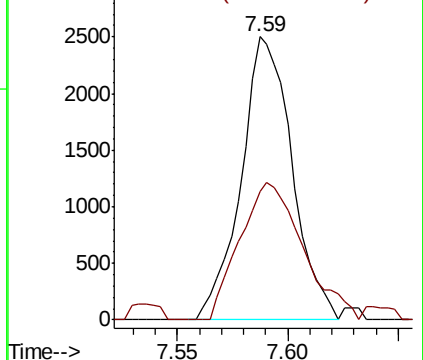


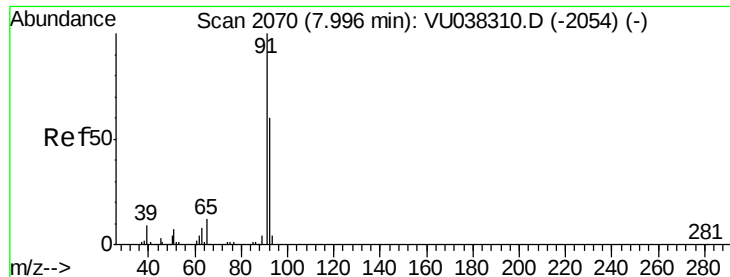
#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU038314.D
 Acq: 27 May 2020 12:41

Tgt Ion: 75 Resp: 4019
 Ion Ratio Lower Upper
 75 100
 77 45.4 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0





#42

Toluene

Concen: 0.250 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038314.D

Acq: 27 May 2020 12:41

Instrument :

MSVOA_U

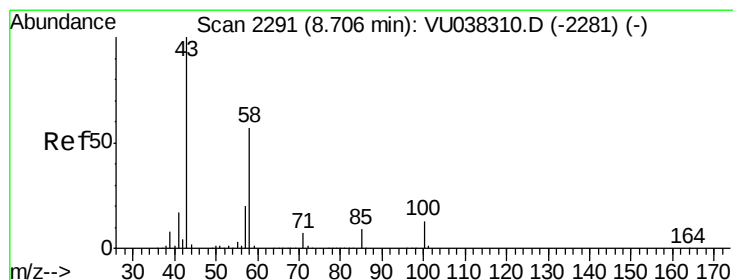
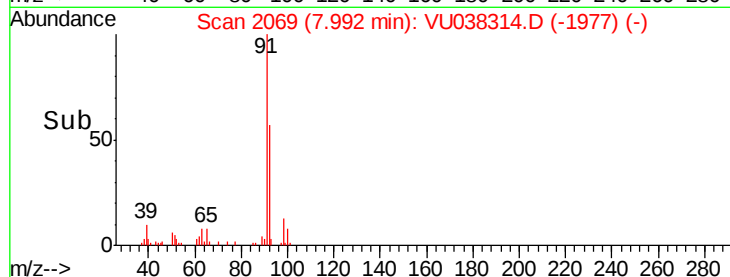
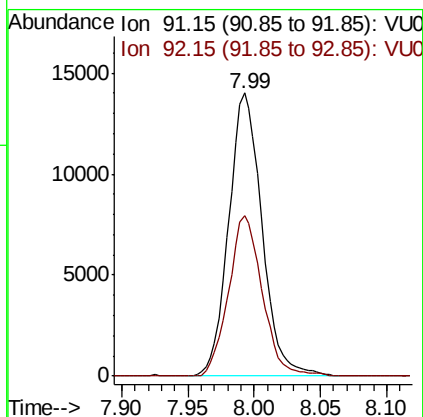
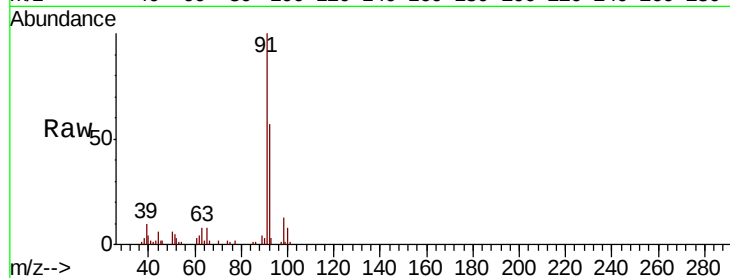
ClientSampleId :

Tot Ion: 91 Resp: 24521

Ion Ratio Lower Upper

91 100

92 56.7 40.9 75.9



#48

2-Hexanone

Concen: 2.174 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038314.D

Acq: 27 May 2020 12:41

Tgt Ion: 43 Resp: 27824

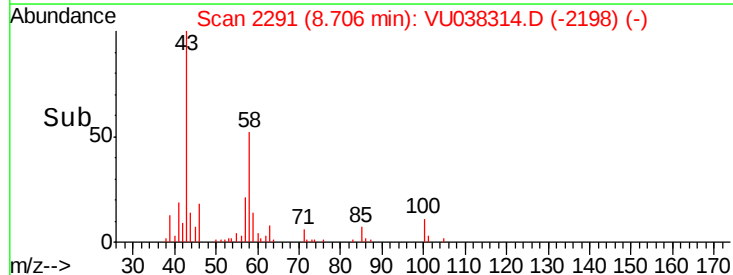
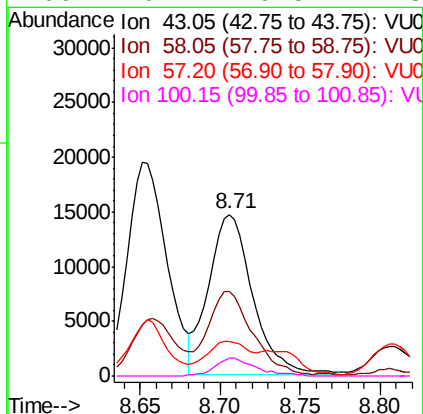
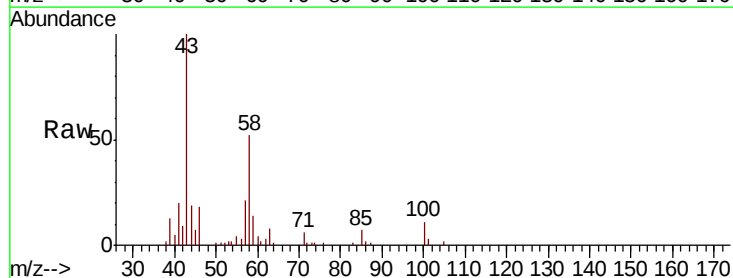
Ion Ratio Lower Upper

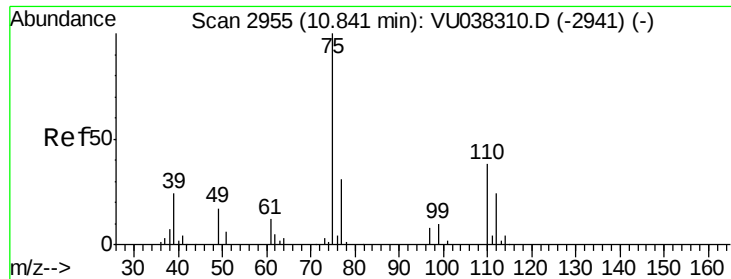
43 100

58 52.5 45.2 67.8

57 11.9 15.5 23.3#

100 10.2 9.5 14.3

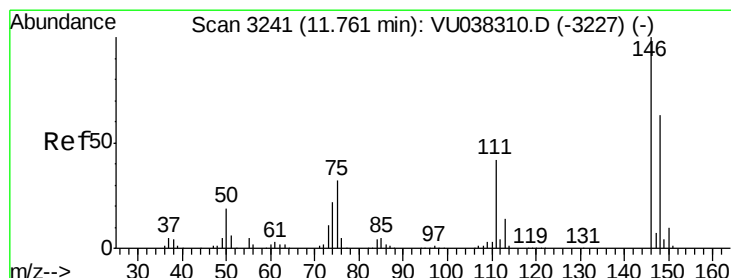
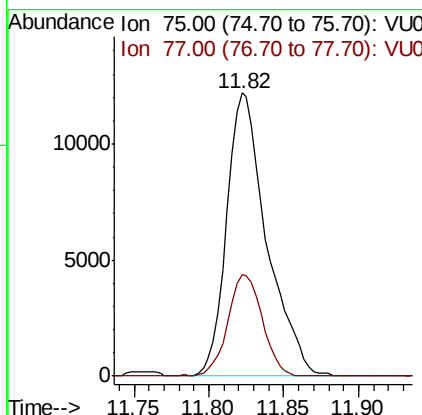
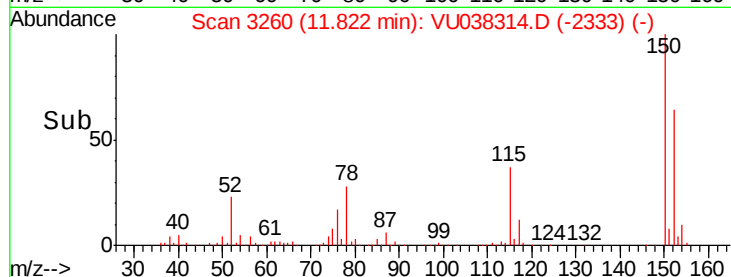
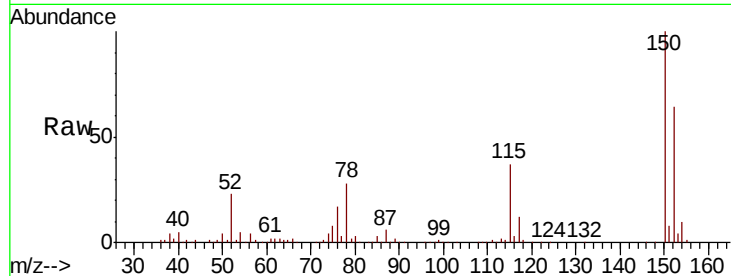




#59
 1,2,3-Trichloropropane
 Concen: 1.344 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU038314.D
 Acq: 27 May 2020 12:41

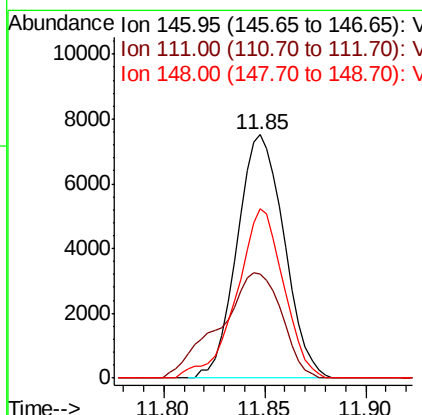
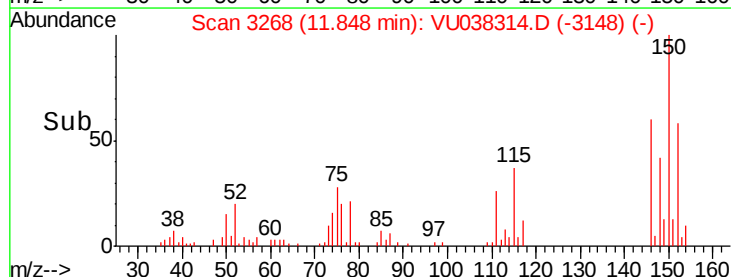
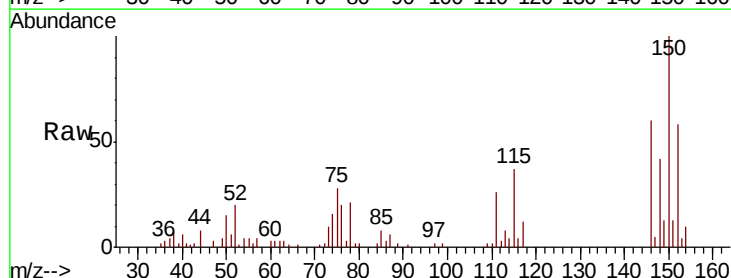
Instrument :
 MSVOA_U
 ClientSampled :

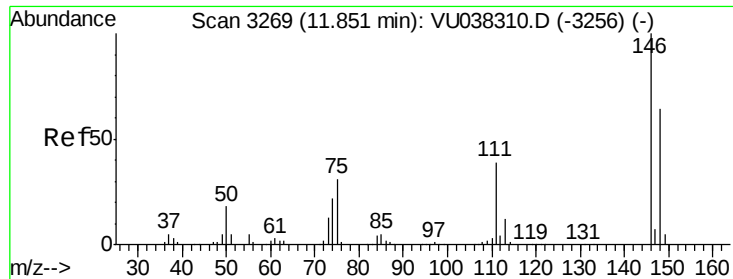
Tot Ion: 75 Resp: 22754
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.4 38.0



#62
 1,3-Dichlorobenzene
 Concen: 0.258 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.09 min
 Lab File: VU038314.D
 Acq: 27 May 2020 12:41

Tgt Ion: 146 Resp: 12277
 Ion Ratio Lower Upper
 146 100
 111 42.9 28.6 53.2
 148 69.3 45.2 84.0





#63

1,4-Dichlorobenzene

Concen: 0.254 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038314.D

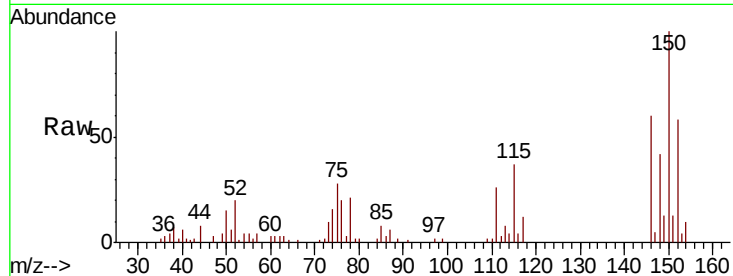
Acq: 27 May 2020 12:41

Instrument :

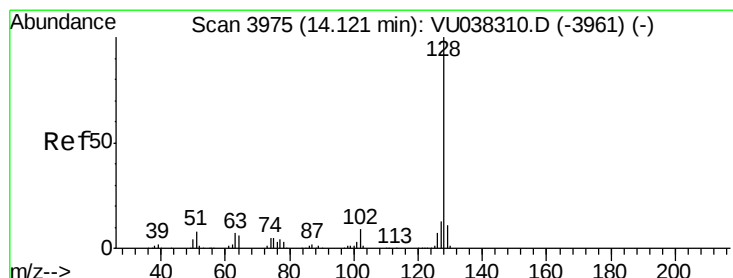
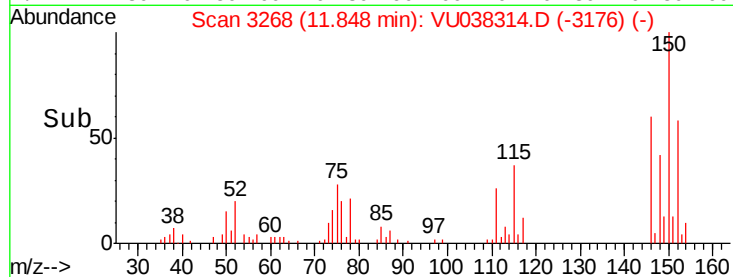
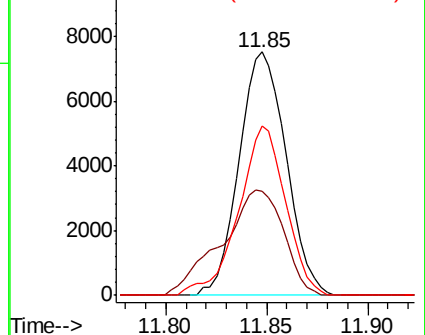
MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	12277
Ion Ratio	Lower	Upper
146	100	
111	42.9	27.2 50.6
148	69.3	43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#69

Naphthalene

Concen: 0.965 ug/L

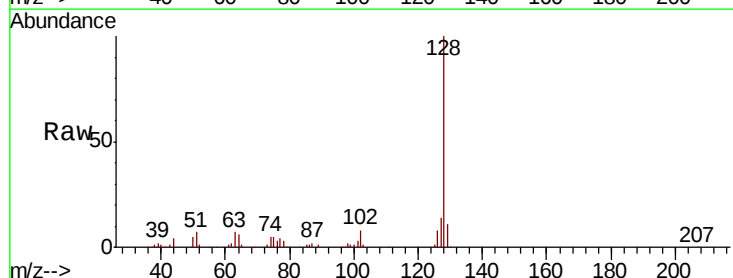
RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038314.D

Acq: 27 May 2020 12:41

Tgt Ion:128	Resp:	63709
Ion Ratio	Lower	Upper
128	100	
129	10.3	8.7 13.1
127	13.1	10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

