

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
 Data File : VU038380.D
 Acq On : 29 May 2020 16:52
 Operator : JC/MD
 Sample : L2749-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 00:04:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 00:03:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	305762	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	295356	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	148486	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	97205	3.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.60%
7) Chloroethane-d5	1.93	69	91050	3.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.20%
11) 1,1-Dichloroethene-d2	2.59	63	148297	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.68	46	362194	52.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.98%
24) Chloroform-d	5.10	84	210495	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.74	65	123292	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.76	84	428222	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.72	67	133772	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.92	98	370270	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	8.20	79	51316	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.66	63	294579	54.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.04%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	112881	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	148791	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	12234	0.363	ug/L #	51
8) Chloroethane	2.08	64	2423	0.119	ug/L #	53
12) 1,1-Dichloroethene	2.59	96	1317	0.062	ug/L #	1
13) Acetone	2.68	43	3588	0.829	ug/L	54
17) Methyl tert-butyl Ether	3.40	73	38763	0.657	ug/L	98
22) cis-1,2-Dichloroethene	4.70	96	3141	0.126	ug/L	84
33) Benzene	5.81	78	234492	2.479	ug/L	100
35) Methylcyclohexane	6.72	83	31832	0.831	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	14504	0.565	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3744	0.102	ug/L #	78
48) 2-Hexanone	8.71	43	13954	1.070	ug/L #	86
51) Chlorobenzene	9.47	112	29376	0.474	ug/L	97
56) Isopropylbenzene	10.50	105	13040	0.127	ug/L	97
59) 1,2,3-Trichloropropane	11.83	75	20205	1.172	ug/L	94
69) Naphthalene	14.12	128	8044	0.120	ug/L	97

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QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration

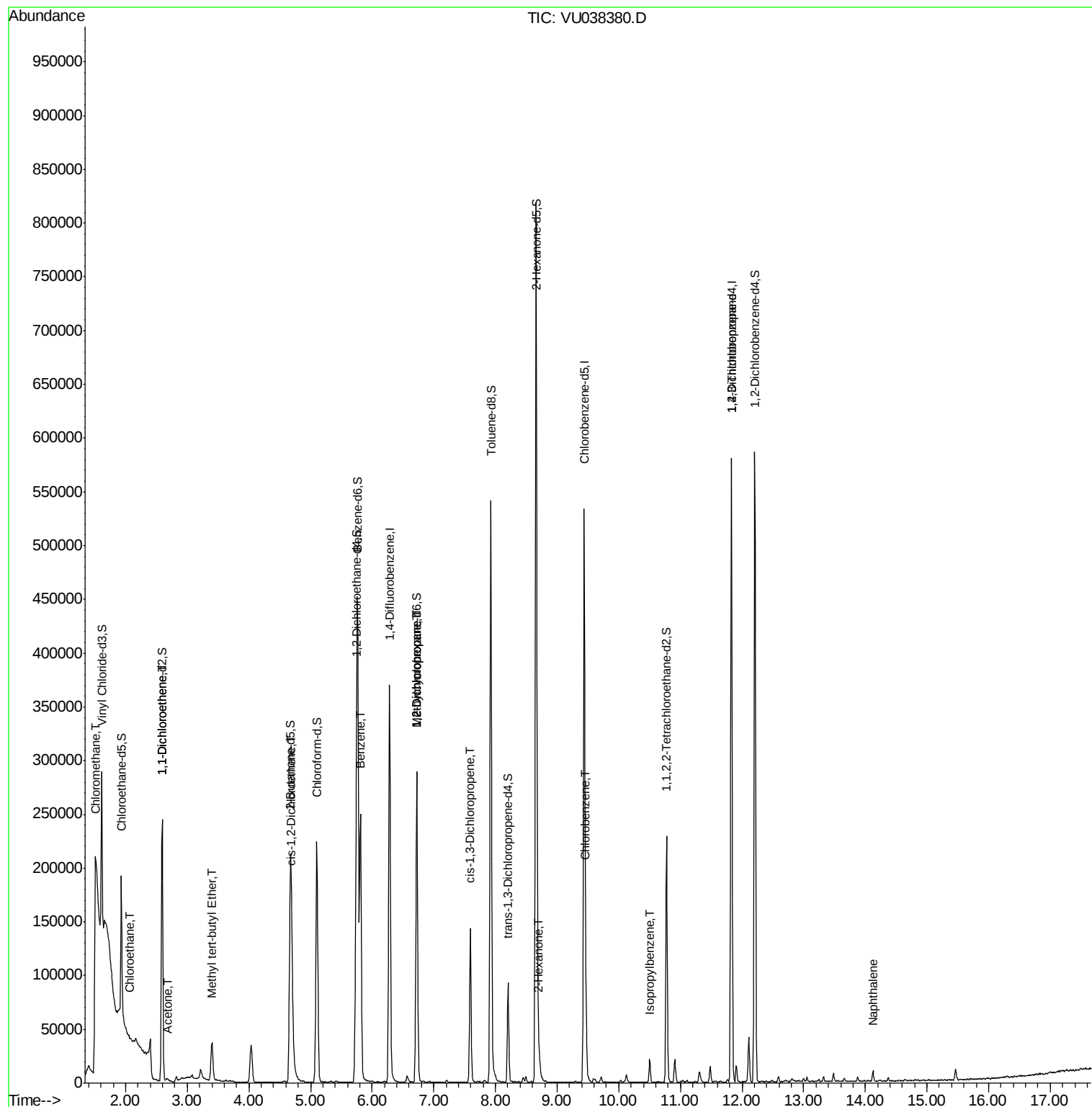
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

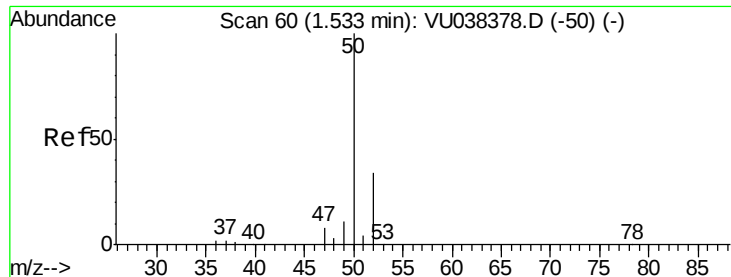
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.363 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU038380.D

Acq: 29 May 2020 16:52

Instrument :

MSVOA_U

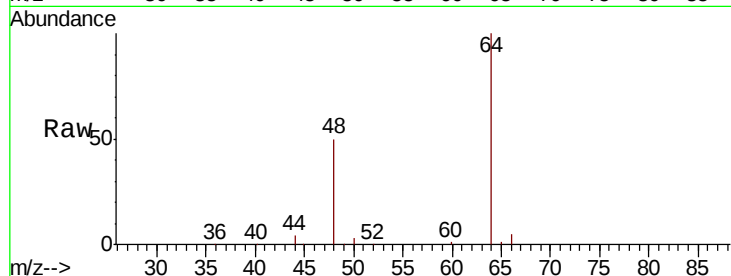
ClientSampled :

Tot Ion: 50 Resp: 12234

Ion Ratio Lower Upper

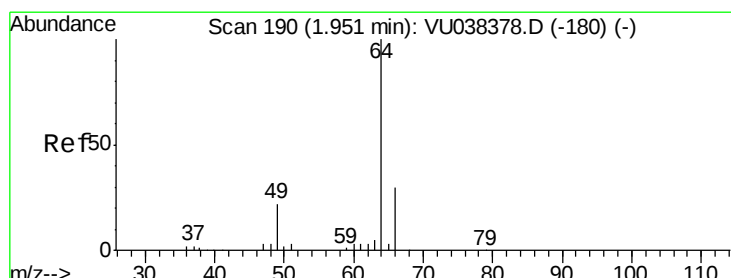
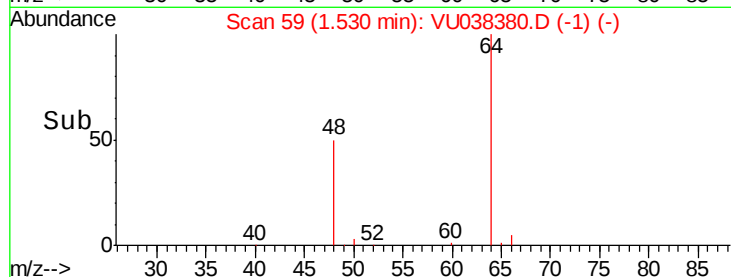
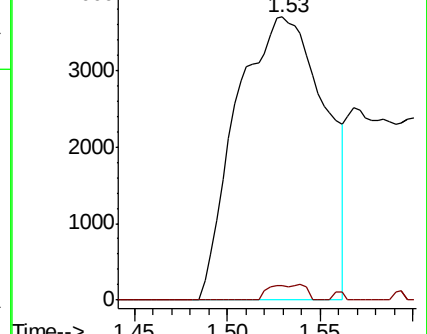
50 100

52 5.0 22.5 41.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.119 ug/L

RT: 2.08 min Scan# 231

Delta R.T. 0.13 min

Lab File: VU038380.D

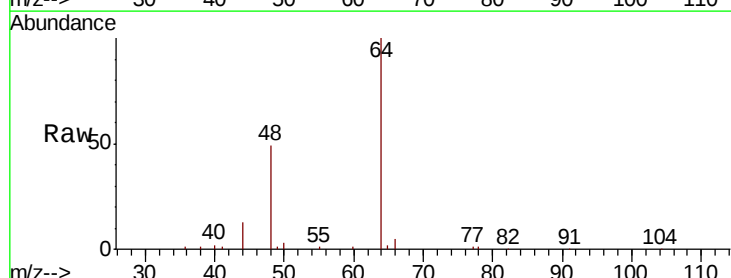
Acq: 29 May 2020 16:52

Tgt Ion: 64 Resp: 2423

Ion Ratio Lower Upper

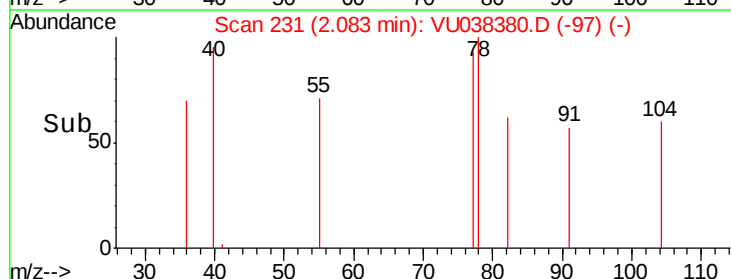
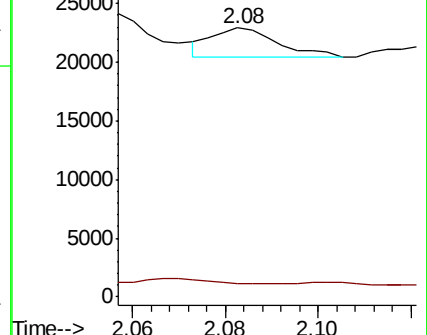
64 100

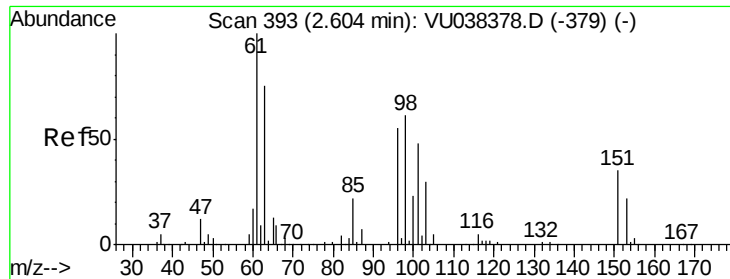
66 5.1 21.8 40.4#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#12

1,1-Dichloroethene

Concen: 0.062 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU038380.D

Acq: 29 May 2020 16:52

Instrument :

MSVOA_U

ClientSampled :

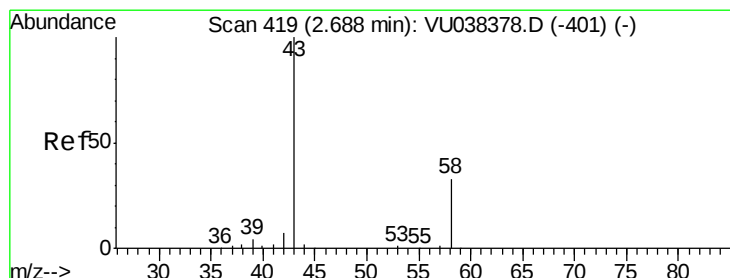
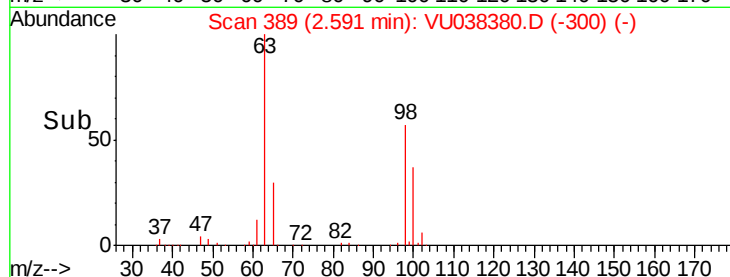
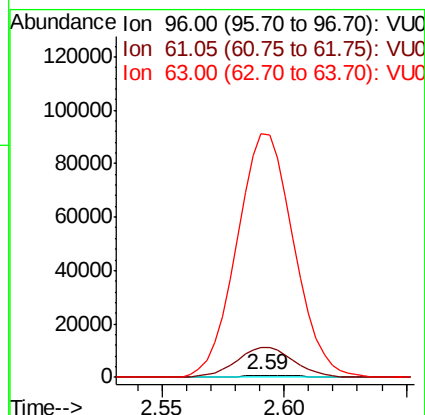
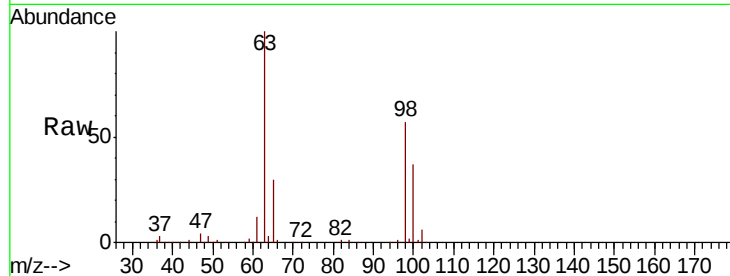
Tot Ion: 96 Resp: 1317

Ion Ratio Lower Upper

96 100

61 1551.5 126.2 234.4#

63 12658.9 96.9 179.9#



#13

Acetone

Concen: 0.829 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.01 min

Lab File: VU038380.D

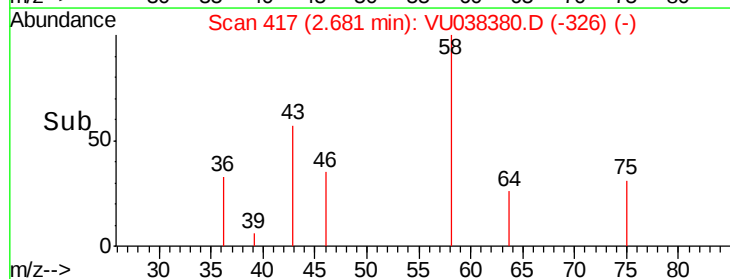
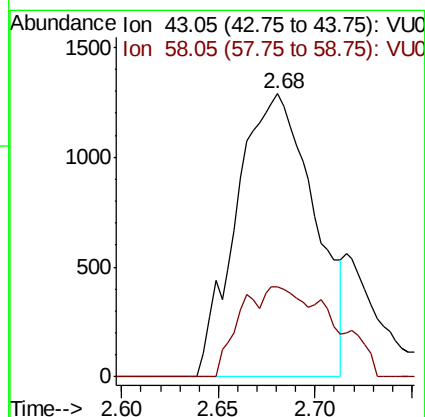
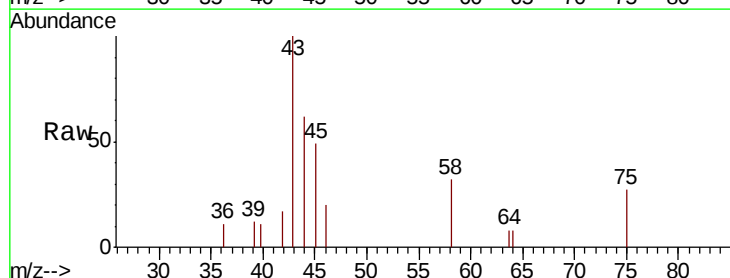
Acq: 29 May 2020 16:52

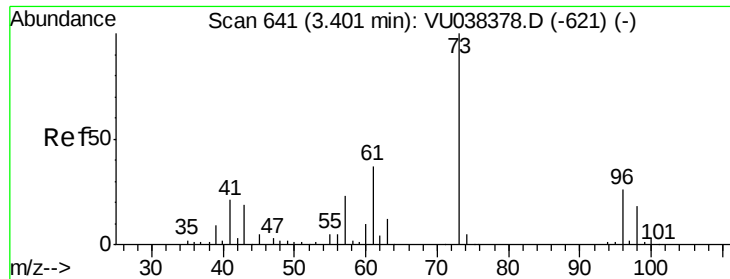
Tgt Ion: 43 Resp: 3588

Ion Ratio Lower Upper

43 100

58 6.0 0.0 63.6

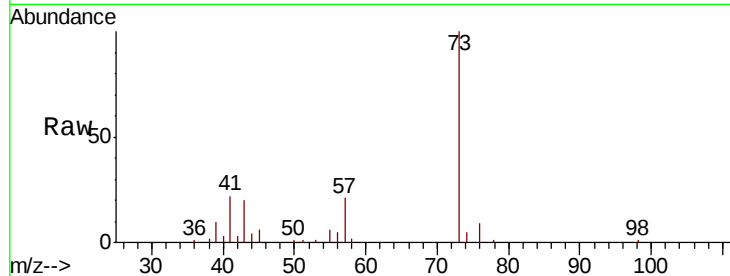




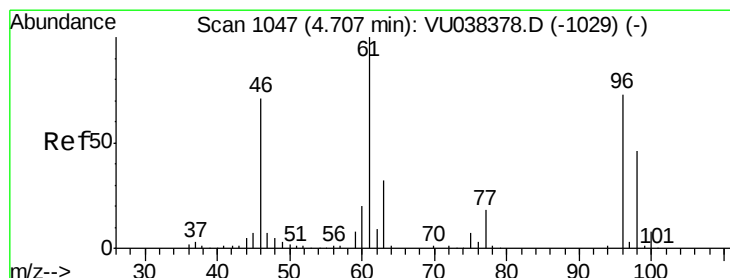
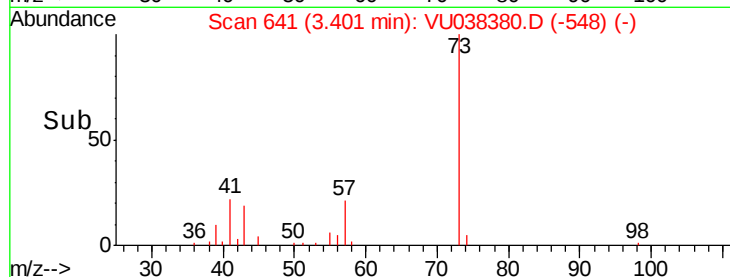
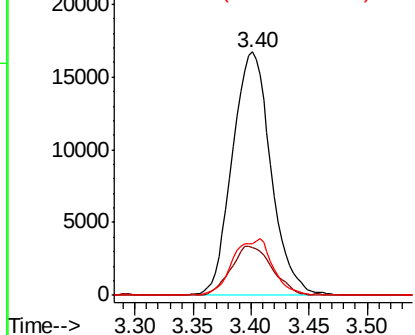
#17
Methvl tert-butvl Ether
Concen: 0.657 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038380.D
Acq: 29 May 2020 16:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 38763
Ion Ratio Lower Upper
73 100
43 21.4 16.9 25.3
57 24.1 18.2 27.2

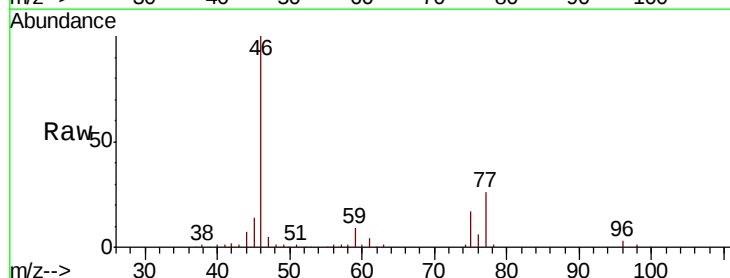


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

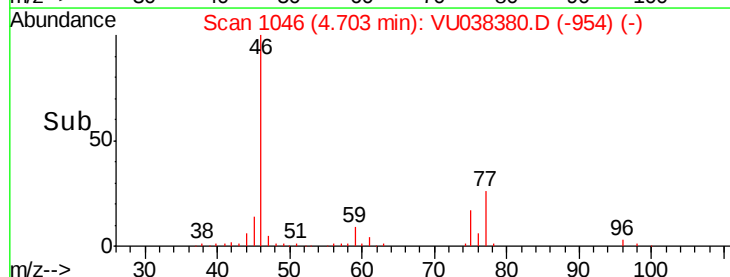
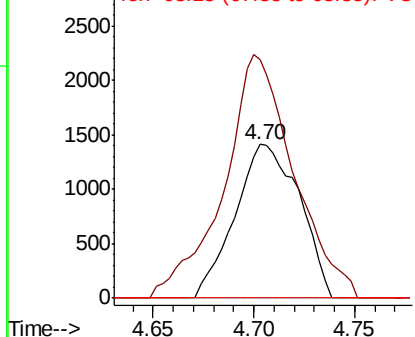


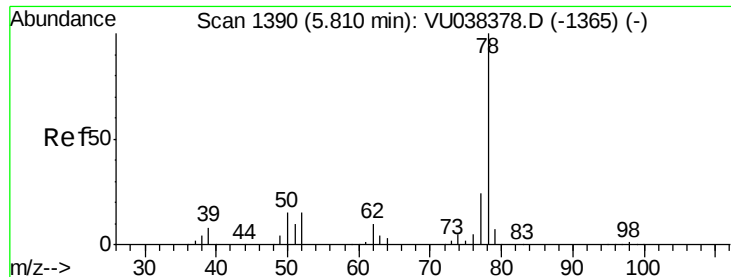
#22
cis-1,2-Dichloroethene
Concen: 0.126 ug/L
RT: 4.70 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VU038380.D
Acq: 29 May 2020 16:52

Tgt Ion: 96 Resp: 3141
Ion Ratio Lower Upper
96 100
61 155.4 95.3 176.9
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0





#33

Benzene

Concen: 2.479 ug/L

RT: 5.81 min Scan# 1390

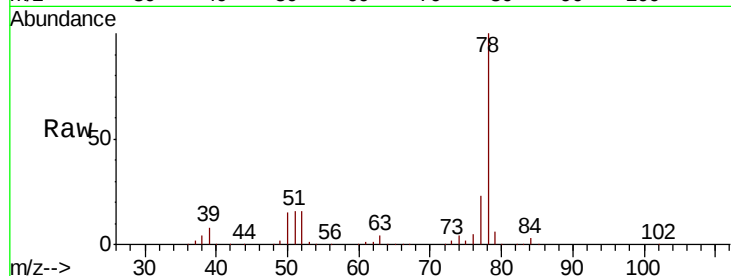
Delta R.T. -0.00 min

Lab File: VU038380.D

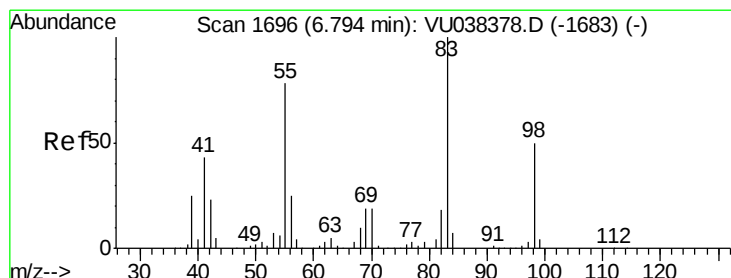
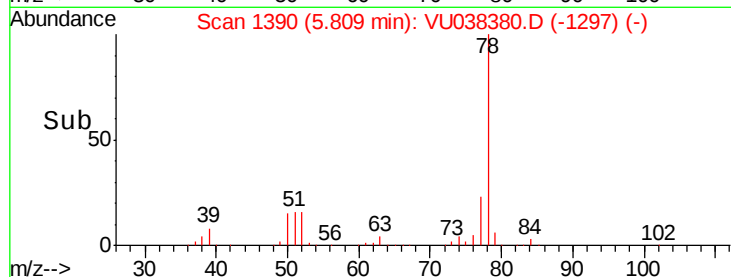
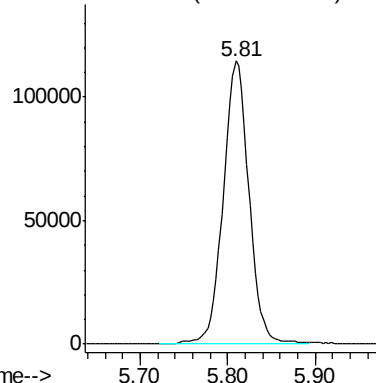
Acq: 29 May 2020 16:52

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 234492



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.831 ug/L

RT: 6.72 min Scan# 1674

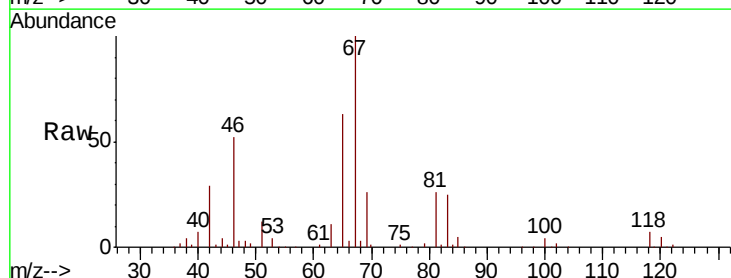
Delta R.T. -0.07 min

Lab File: VU038380.D

Acq: 29 May 2020 16:52

Tgt Ion: 83 Resp: 31832

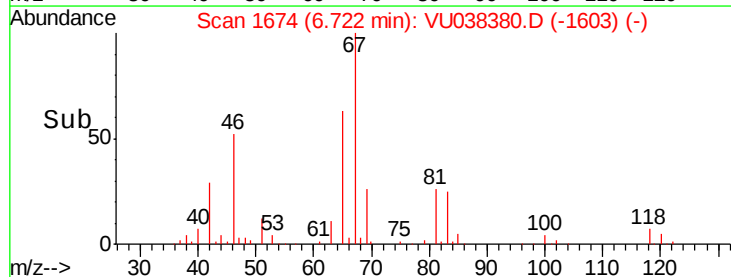
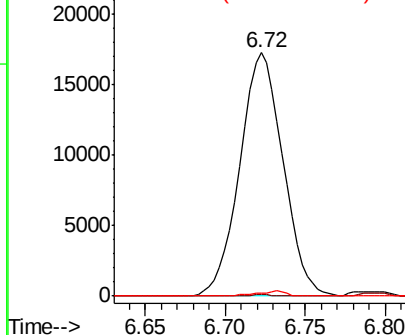
Ion	Ratio	Lower	Upper
83	100		
55	0.2	66.7	100.1#
98	1.4	39.4	59.2#

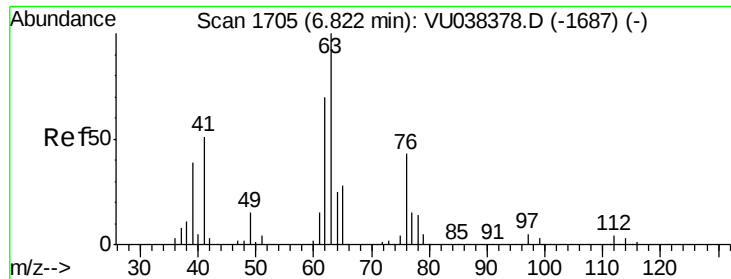


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

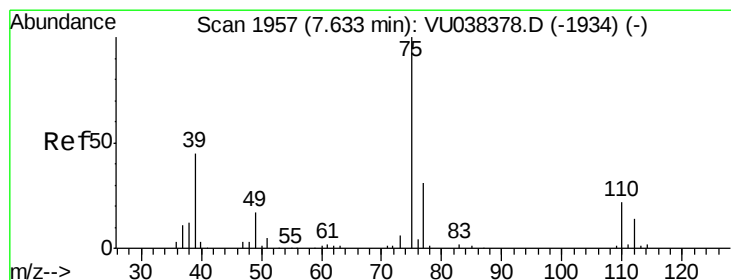
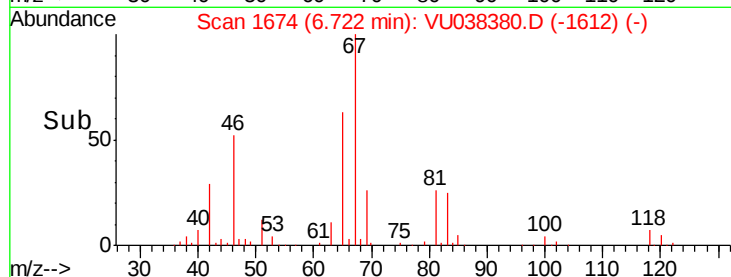
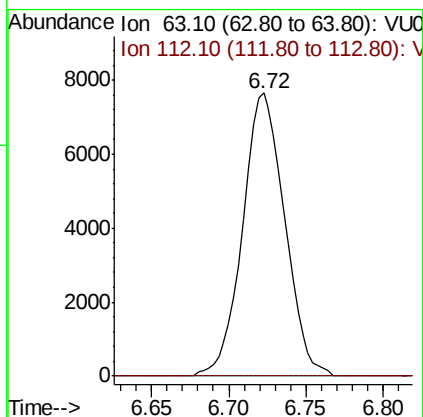
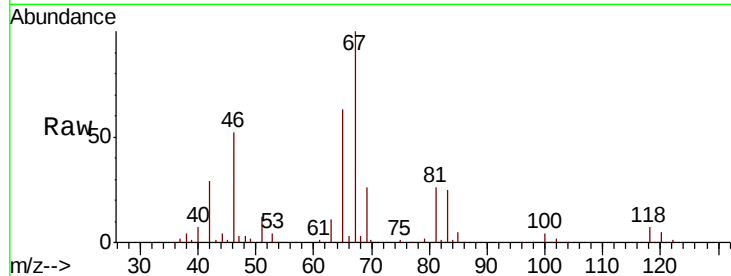




#37
 1,2-Dichloropropane
 Concen: 0.565 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038380.D
 Acq: 29 May 2020 16:52

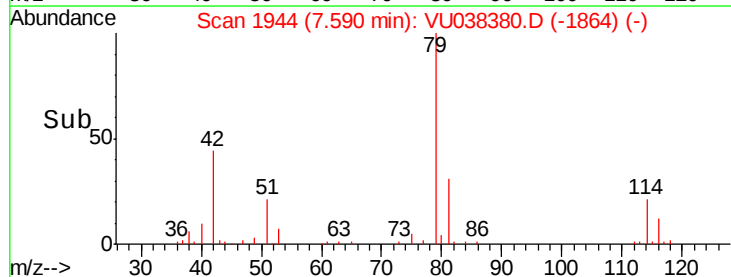
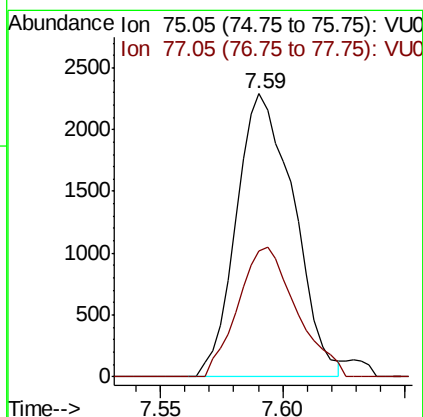
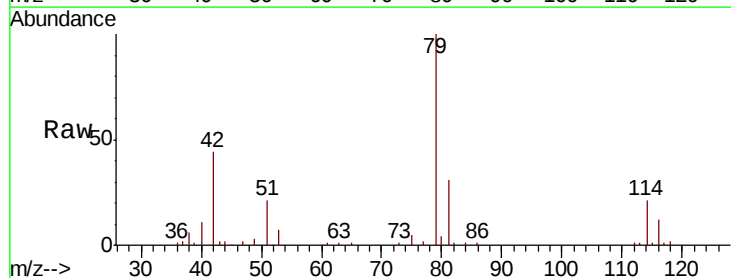
Instrument :
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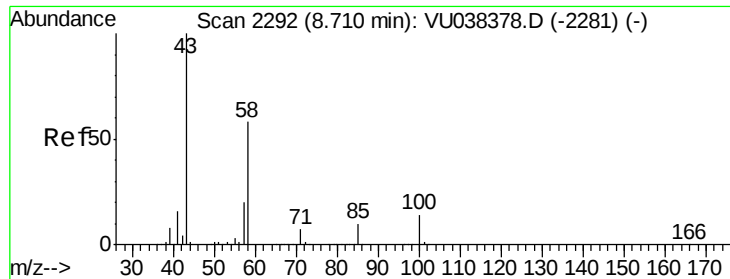
Tot Ion: 63 Resp: 14504
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038380.D
 Acq: 29 May 2020 16:52

Tgt Ion: 75 Resp: 3744
 Ion Ratio Lower Upper
 75 100
 77 44.3 22.4 41.6#

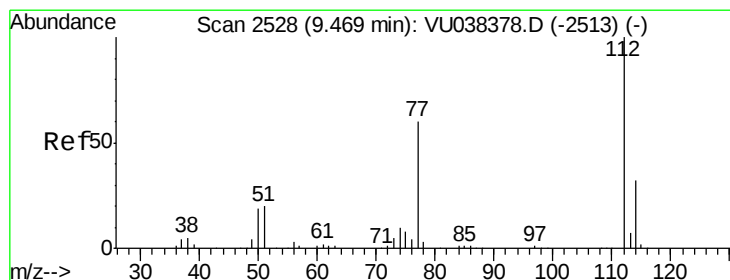
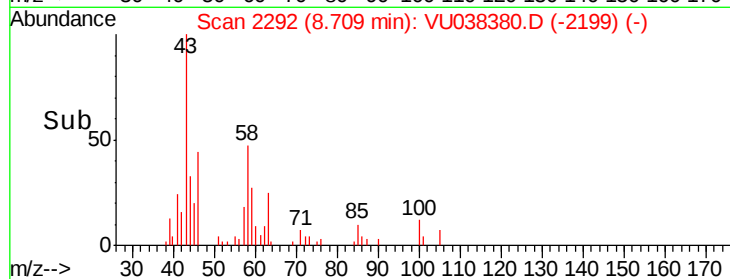
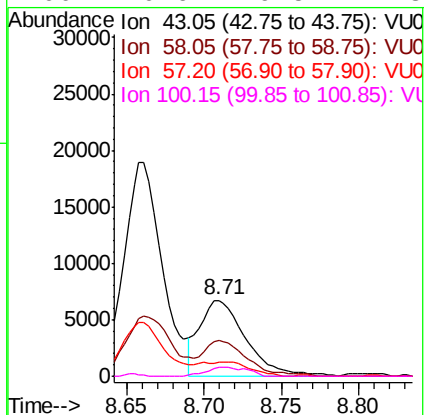
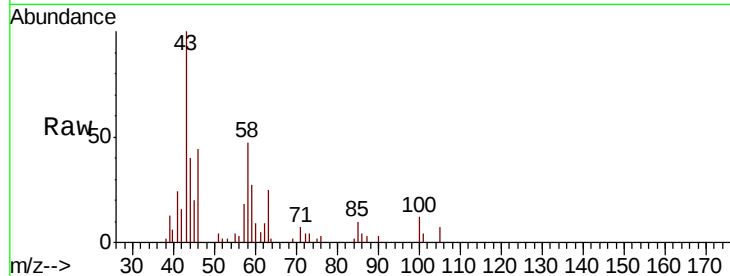




#48
2-Hexanone
Concen: 1.070 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU038380.D
Acq: 29 May 2020 16:52

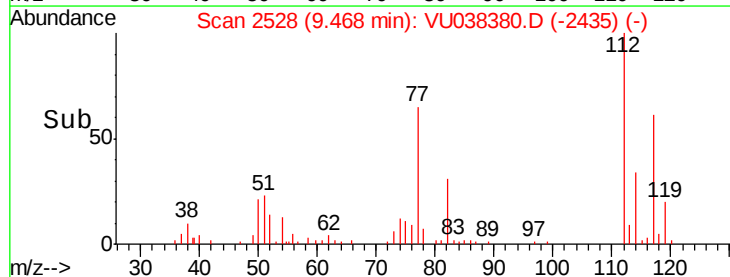
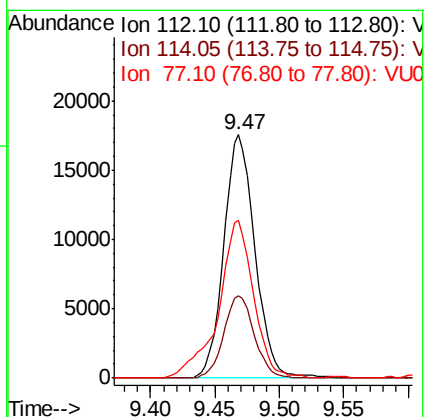
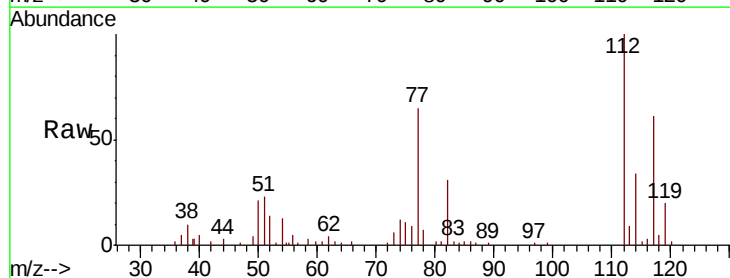
Instrument :
MSVOA_U
ClientSampled :

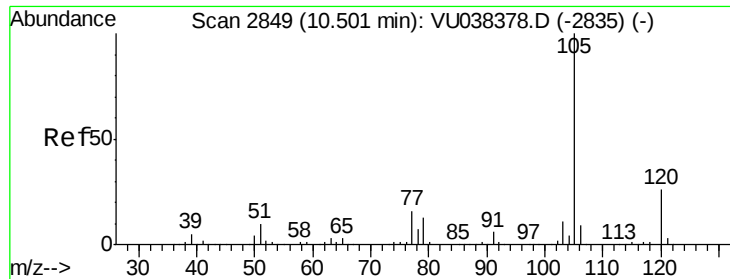
Tot Ion	Ratio	Lower	Upper
43	100		
58	44.6	45.2	67.8#
57	13.3	15.5	23.3#
100	10.6	9.5	14.3



#51
Chlorobenzene
Concen: 0.474 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU038380.D
Acq: 29 May 2020 16:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.9	22.5	41.7
77	65.0	49.9	74.9





#56

Isopropylbenzene

Concen: 0.127 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU038380.D

Acq: 29 May 2020 16:52

Instrument :

MSVOA_U

ClientSampled :

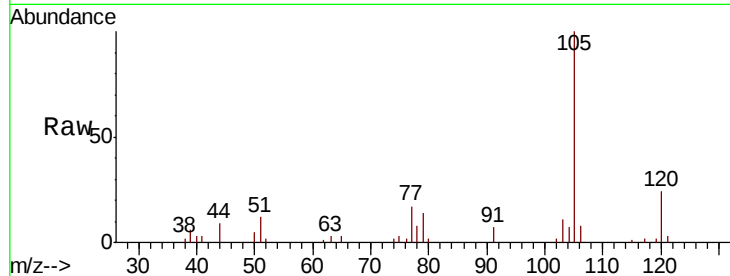
Tot Ion:105 Resp: 13040

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

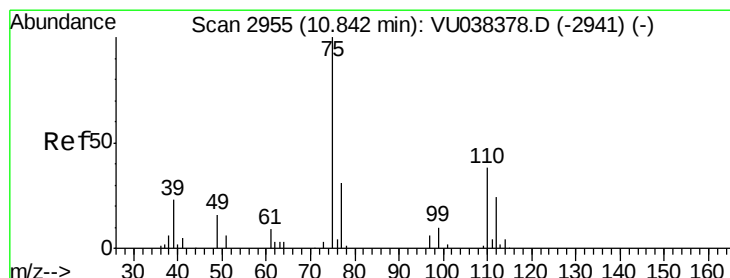
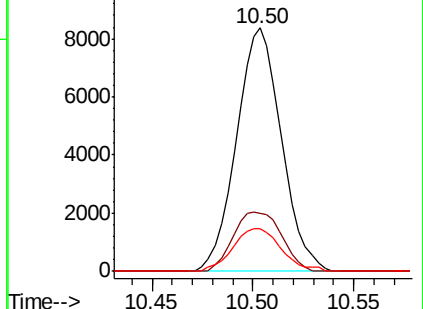
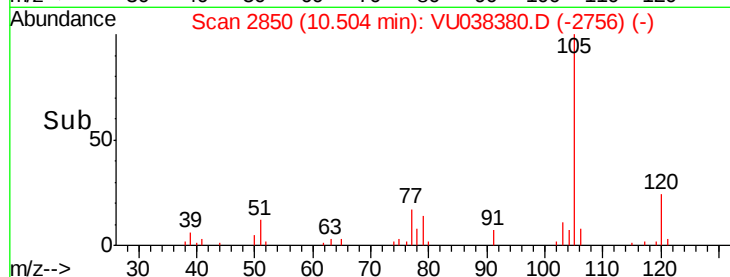
77 19.0 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 1.172 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU038380.D

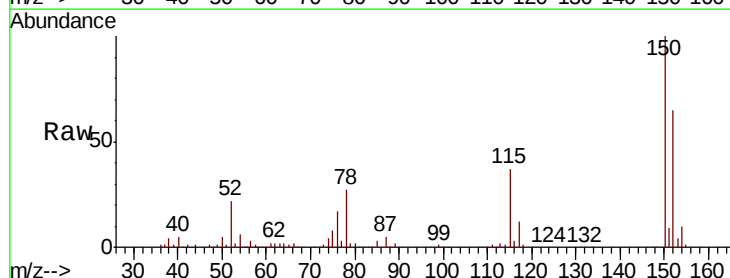
Acq: 29 May 2020 16:52

Tgt Ion: 75 Resp: 20205

Ion Ratio Lower Upper

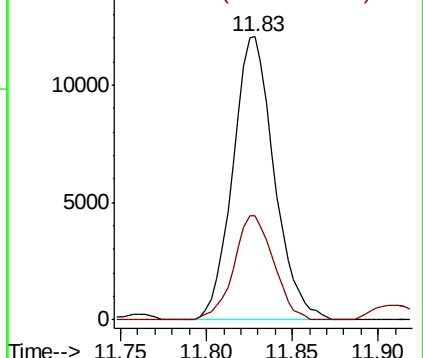
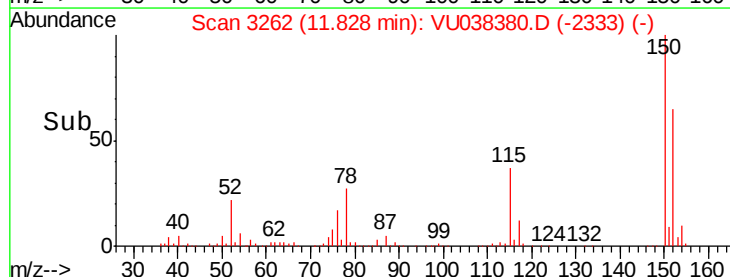
75 100

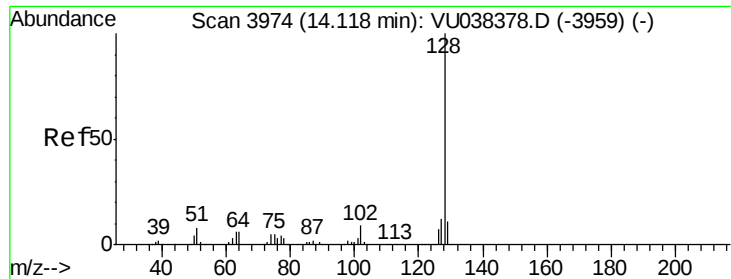
77 35.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#69

Naphthalene

Concen: 0.120 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

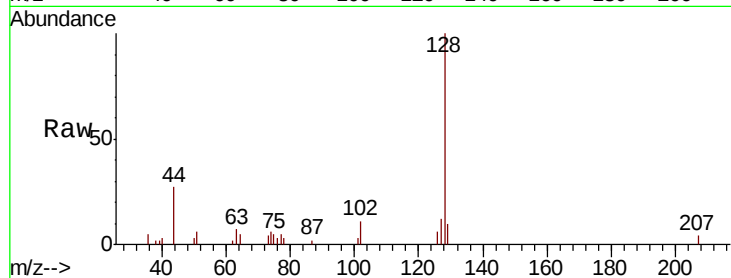
Lab File: VU038380.D

Acq: 29 May 2020 16:52

Instrument :

MSVOA_U

ClientSampleId :



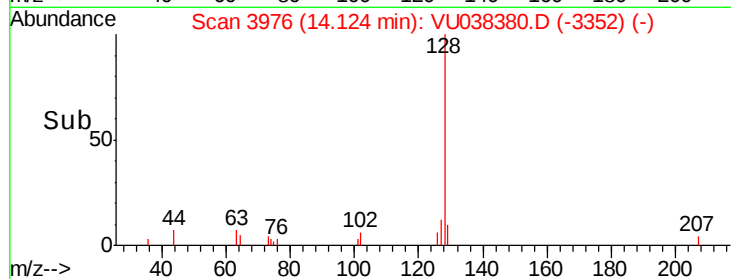
Tot Ion:128 Resp: 8044

Ion Ratio Lower Upper

128 100

129 9.7 8.7 13.1

127 11.3 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

